AS/NZS Test Report

Equipment	:	**802.11ac Professional Wi-Fi + BT5.0 Module**
Model No.	:	**SU60-SOMC (453-00003), SU60-SOMC-2G (453-00004) (please refer to section 1.1.1 for more details.)**
Brand Name	:	**Laird**
Applicant	:	**Laird Technologies**
Address	:	**W66N220 Commerce Court, Cedarburg, Wisconsin 53012, USA**
Standard	:	**AS/NZS 4268:2017**
Received Date	:	**Apr. 11, 2018**
Tested Date	:	**Sep. 20 ~ Oct. 11, 2018**

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: **Approved by:**

James Fan / Assistant Manager **Gary Chang / Manager**

Testing Laboratory 2732

Table of Contents

1 GENERAL DESCRIPTION 5

1.1 Information 5
1.2 Local Support Equipment List 8
1.3 Test Setup Chart 8
1.4 Test Equipment and Calibration Data 10
1.5 Testing Applied Standards 12
1.6 Measurement Uncertainty 12

2 TEST CONFIGURATION 13

2.1 Testing Condition 13
2.2 The Worst Test Modes and Channel Details 14

3 TRANSMITTER TEST RESULTS 15

3.1 Maximum EIRP 15
3.2 Emission Bandwidth 28
3.3 Peak Power Spectral Density 33
3.4 Operating Frequencies 36
3.5 Transmitter Spurious Emissions 39

4 RECEIVER TEST RESULTS 150

4.1 Receiver Spurious Emissions 150

5 PHOTOGRAPHS OF THE TEST CONFIGURATION 261

6 TEST LABORATORY INFORMATION 267

Release Record

Report No.	Version	Description	Issued Date
AR841101AI	Rev. 01	Initial issue	Dec. 21, 2018

Summary of Test Result

Ref. Std. Clause	Test Items	Measured	Result
6.3	Maximum EIRP	5.725-5.85GHz: 31.25 dBm	Pass
6.5	Emission Bandwidth	Meet the requirement of limit.	Pass
6.6	Operating Frequencies	Meet the requirement of limit.	Pass
6.4	Transmitter Spurious Emissions	Meet the requirement of limit.	Pass
7.2	Receiver Spurious Emissions	Meet the requirement of limit.	Pass
Row 60 Note2	Peak Power Spectral Density	Meet the requirement of limit.	Pass

Declaration of Conformity:
The judgement of conformity in the report is based on the measurement results excluding the measurement uncertainty.
Comments and Explanations:
None

1 General Description

1.1 Information

1.1.1 Product Details

1.1.2 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
Laird	SU60-SOMC (453-00003)	802.11ac Professional Wi-Fi + BT5.0 Module	2G/1G MCP
	SU60-SOMC-2G (453-00004)		4G/2G MCP
✦ The above models, both options were assessed and **SU60-SOMC-2G (453-00004)** was found to be worst case and was selected for the final testing.			

1.1.3 Specification of the Equipment under Test (EUT)

RF General Information					
IEEE Std. 802.11	**Frequency Range (MHz)**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
a	5725-5850	5745-5825	149-165 [5]	1	6-54 Mbps
				2	6-54 Mbps
n (HT20)	5725-5850	5745-5825	149-165 [5]	1	MCS 0-7
				2	MCS 0-7
				2	MCS 8-15
n (HT40)	5725-5850	5755-5795	151-159 [2]	1	MCS 0-7
				2	MCS 0-7
				2	MCS 8-15
ac (VHT20)	5725-5850	5745-5825	149-165 [5]	1	MCS 0-9
				2	
ac (VHT40)	5725-5850	5755-5795	151-159 [2]	1	MCS 0-9
				2	
ac (VHT80)	5725-5850	5775	155 [1]	1	MCS 0-9
				2	
Note 1: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation. Note 2: The device supports TX antenna diversity function. The conducted power of single chain is same for 1TX and 2TX operating mode. Therefore, Ant1 + Ant 2 configuration is chosen for final testing.					

1.1.4 Antenna Details

Brand	Model	Type	Connector	Operating Frequency (MHz) / Gain (dBi)			
				5150~5250	5250~5350	5470~5725	5725~5850
LSR	001-0009	Dipole	IPEX U.FL	2			
Laird	NanoBlade-IP04	PCB Dipole	IPEX U.FL	3.9		4	4
Laird	MAF95310 Mini NanoBlade Flex	PCB Dipole	IPEX U.FL	3.38			
LSR	FlexPIFA 001-0016	PIFA	IPEX U.FL	3			
Ethertronics	WLAN_1000146	Magnetic Dipole	IPEX U.FL	3.5			
Laird	MIMO FlexPIFA Antenna	PIFA	IPEX U.FL	3			
LSR	001-0009 (with filter)	Dipole	IPEX U.FL	2			

1.1.5 EUT Operational Condition

Power Supply Type	3.3 Vdc from host		
SW Version	6.0.0.x		
Operational Voltage	☒ Vnom (3.30 V)	☒ Vmax (3.63 V)	☒ Vmin (2.97V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (85°C)	☒ Tmin (-30°C)

1.1.6 Accessories

Accessories		
No.	**Equipment**	**Description**
1	AC Adapter	Brand Name: I.T.E POWER SUPPLY Model Name: MU12AY120100-A1 Power Rating: I/P: 100-240Vac, 50/60Hz, 0.3A O/P: 12Vdc, 1A Power Line: 1.48m non-shielded cable without core

1.1.7 Channel List

Frequency band (MHz)		5725~5850	
802.11 a / n HT20 / ac VHT20		802.11n HT40 / ac VHT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
149	5745	151	5755
153	5765	159	5795
157	5785	802.11ac VHT80	
161	5805	155	5775
165	5825	---	---

1.1.8 Test Tool and Duty Cycle

Test tool	Test Command
Duty Cycle Of Test Signal (%)	100% - IEEE 802.11a 100% - IEEE 802.11ac VHT20 100% - IEEE 802.11ac VHT40 100% - IEEE 802.11ac (VHT80)
Duty Factor	0.00 - IEEE 802.11a 0.00 - IEEE 802.11ac VHT20 0.00 - IEEE 802.11ac VHT40 0.00 - IEEE 802.11ac (VHT80)

1.1.9 Power Setting

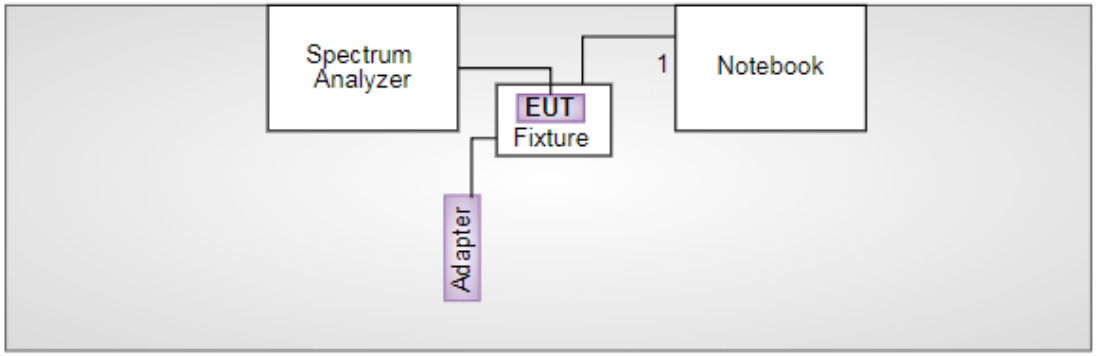
Modulation Mode	Test Frequency (MHz)					
	a / VHT20			VHT40		VHT80
	5745	5785	5825	5755	5795	5775
a	Default	Default	Default	--	--	--
VHT20	Default	Default	Default	--	--	--
VHT40	--	--	--	Default	Default	--
VHT80	--	--	--	--	--	Default

1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**S/N**	**Remarks**
1	Notebook	DELL	Latitude E6430	F2JB4X1	---
2	Notebook	DELL	Latitude E6430	D3LNYW1	---
3	Fixture	---	---	---	Provided by applicant.

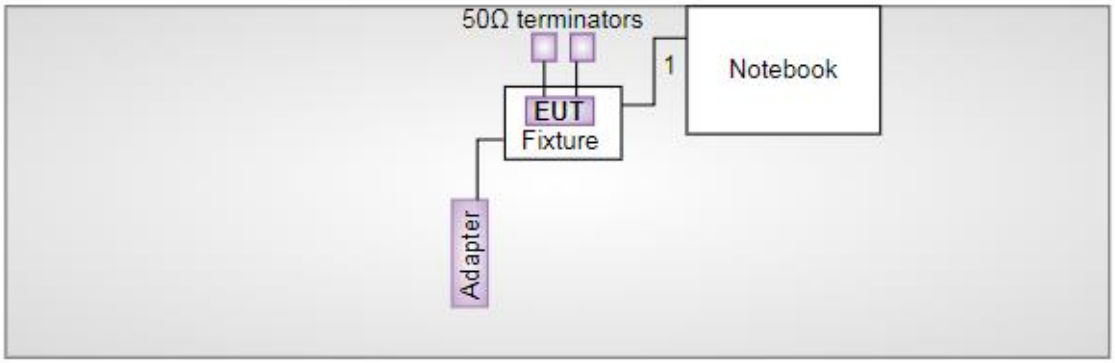
1.3 Test Setup Chart

Test Setup Diagram (Conducted)



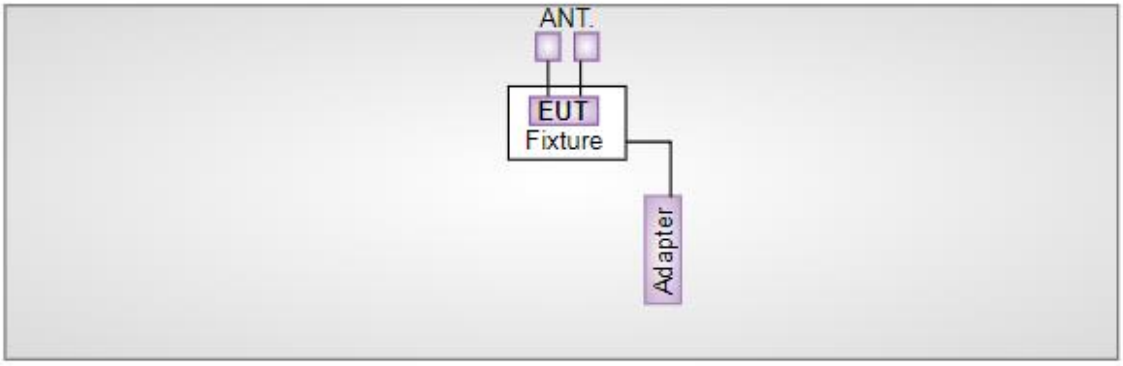
No.	Signal cable / Length (m)
1	USB, 1m shielded.

Test Setup Diagram (Radiated > 30 MHz)



No.	Signal cable / Length (m)
1	USB, 1m shielded.

Test Setup Diagram (Radiated ≤ 30 MHz)



1.4 Test Equipment and Calibration Data

Test Item	Radiated Emissions				
Test Site	Fully-anechoic chamber 2 / (05CH02-WS)				
Tested Date	Sep. 20 ~ Sep. 25, 2018				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	Agilent	N9010A	MY52221474	Oct. 16, 2017	Oct. 15, 2018
Bilog Antenna 30-1000MHz	SCHWARZBECK	VULB9168	9168-563	Jan. 02, 2018	Jan. 01, 2019
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	9120D-1205	Jan. 11, 2018	Jan. 10, 2019
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Dec. 19, 2017	Dec. 18, 2018
Preamplifier	Agilent	83017A	MY53270013	Dec. 26, 2017	Dec. 25, 2018
Preamplifier	EMC	EMC02325	980188	Dec. 12, 2017	Dec. 11, 2018
Preamplifier	EMC	EMC184045B	980192	Aug. 09, 2018	Aug. 08, 2019
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22622/4	Dec. 05, 2017	Dec. 04, 2018
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22623/4	Dec. 05, 2017	Dec. 04, 2018
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22621/4	Dec. 05, 2017	Dec. 04, 2018
RF cable-4M	HUBER+SUHNER	SUCOFLEX104	MY22579/4	Dec. 05, 2017	Dec. 04, 2018
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-002	Dec. 05, 2017	Dec. 04, 2018
LF cable-3M	EMC	EMC8D-NM-NM-3000	131102	Dec. 05, 2017	Dec. 04, 2018
LF cable-10M	EMC	EMC8D-NM-NM-10000	131101	Dec. 05, 2017	Dec. 04, 2018
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Oct. 11, 2018				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101486	Nov. 21, 2017	Nov. 20, 2018
Power Sensor	Agilent	U2021XA	MY53480019	Jan. 29, 2018	Jan. 28, 2019
Power Sensor	Agilent	U2021XA	MY53510003	Jan. 29, 2018	Jan. 28, 2019
Power Sensor	Agilent	U2021XA	MY54070003	Feb. 08, 2018	Feb. 07, 2019
Power Sensor	Agilent	U2021XA	MY54060013	Feb. 08, 2018	Feb. 07, 2019
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 01, 2017	Nov. 30, 2018
Combiner(1X2)	woken	0120A02201801O	DOM2AEW1A23	Dec. 04, 2017	Dec. 03, 2018
Combiner(1X4)	woken	0120A04056002D	111204	Dec. 04, 2017	Dec. 03, 2018
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Measurement Software	Agilent	EN RF test	1.1501125	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emissions				
Test Site	(10CH01-HY)				
Tested Date	Sep. 26, 2018				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	102051	May 03, 2018	May 02, 2019
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 13, 2017	Nov. 12, 2018
RF Cable-R10m	Suhner Switzerland + Rosenberger	RG223/U + UAA220A-0	CB022-DOOR	Nov. 11, 2017	Nov. 10, 2018
Turn Table	HD	DT 60 RPS	1513/004/00	NA	NA
Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

AS/NZS 4268:2017
EN 300 440 V2.1.1 (2017-03)

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty		
Parameters	**Uncertainty**	**Limit**
Radio Frequency	±1.4 x 10^{-9}	±1 × 10^{-5}
RF power conducted	±0.808 dB	±1,5 dB
RF power radiated	±3.398 dB	±6 dB
Spurious emission, conducted	±2.470 dB	±3 dB
Spurious emission, radiated	±3.398 dB	±6 dB
Humidity	±4.7%	±5 %
Temperature	±0.8 ^{o}C	±2 °C
Time	±0.1 %	±10 %

2 Test Configuration

2.1 Testing Condition

Testing Location			
☒	ICC Lab	ADD : No.3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan (R.O.C.) TEL : 886-3-271-8666 FAX : 886-3-318-0155	
☒	Sporton Lab	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973	

Test Item	Test Site	Ambient Condition	Tested By
RF Conducted	TH01-WS	25°C / 65%	Ryan Lee
Radiated Emission > 30 MHz	10CH01-HY*	22°C / 62%	Jack Li
Radiated Emission ≤ 30 MHz	05CH02-WS	24°C / 65%	Ryan Lee

Note: * ICC lab subcontracts this test item to Sporton Lab (TAF:1190).
Sporton Lab is a TAF accreditation test firm and also is an approved provider of ICC lab.

2.2 The Worst Test Modes and Channel Details

Frequency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
Maximum EIRP Power Spectral Density Transmitter Spurious Emissions < 30 MHz Receiver Spurious Emissions < 30MHz	11a VHT20 VHT40 VHT80	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	1, 2, 3, 4
Emission Bandwidth	11a VHT20 VHT40 VHT80	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	2
Operating Frequencies	11a VHT20 VHT40 VHT80	5745 / 5825 5745 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	2
Transmitter Spurious Emissions ≤ 30 MHz Receiver Spurious Emissions ≤ 30 MHz	11a HT20 HT40 VHT80	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	2

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **X-plane** results were found as the worst case and were shown in this report.
2. 4 types antenna are used for this device, highest gain antenna of each type is selected to perform test as below test configuration.

   Configuration 1 : Dipole antenna with 2 dBi gain

   Configuration 2 : PCB Dipole antenna with 4dBi gain

   Configuration 3 : PIFA antenna with 3dBi gain

   Configuration 4 : Magnetic Dipole with 3.5dBi gain
3. Two 50Ω terminators are connected to antenna port of EUT for radiated emission measurement.

3 Transmitter Test Results

3.1 Maximum EIRP

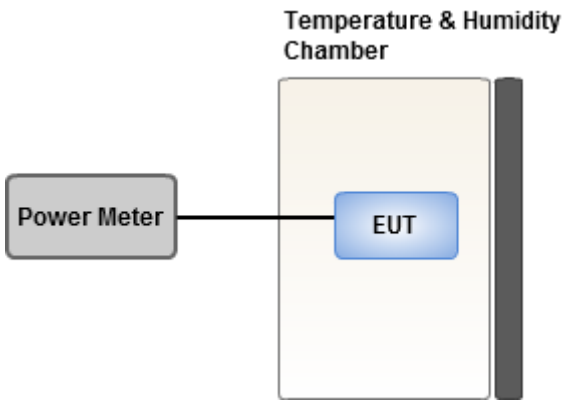
3.1.1 EIRP Limits

Frequency Band	Limits
5725~5850 MHz	4W (36dBm)

3.1.2 Test Procedures

Reference to clause 4.2.2.3 of EN 300 440 V2.1.1 (2017-03).

3.1.3 Test Setup



3.1.4 Test Result of EIRP

Test Configuration 1

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	28.43	18.54	36	Pass
$T_{min}V_{max}$	5745	29.15	19.26	36	Pass
$T_{min}V_{min}$	5745	29.17	19.28	36	Pass
$T_{max}V_{max}$	5745	27.29	17.40	36	Pass
$T_{max}V_{min}$	5745	27.26	17.37	36	Pass
$T_{nom}V_{nom}$	5785	28.49	18.38	36	Pass
$T_{min}V_{max}$	5785	29.23	19.12	36	Pass
$T_{min}V_{min}$	5785	29.25	19.14	36	Pass
$T_{max}V_{max}$	5785	27.47	17.36	36	Pass
$T_{max}V_{min}$	5785	27.45	17.34	36	Pass
$T_{nom}V_{nom}$	5825	28.39	18.10	36	Pass
$T_{min}V_{max}$	5825	29.14	18.85	36	Pass
$T_{min}V_{min}$	5825	29.17	18.88	36	Pass
$T_{max}V_{max}$	5825	27.22	16.93	36	Pass
$T_{max}V_{min}$	5825	27.20	16.91	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	27.50	18.56	36	Pass
$T_{min}V_{max}$	5745	28.22	19.28	36	Pass
$T_{min}V_{min}$	5745	28.24	19.30	36	Pass
$T_{max}V_{max}$	5745	26.33	17.39	36	Pass
$T_{max}V_{min}$	5745	26.30	17.36	36	Pass
$T_{nom}V_{nom}$	5785	27.54	18.49	36	Pass
$T_{min}V_{max}$	5785	28.27	19.22	36	Pass
$T_{min}V_{min}$	5785	28.29	19.24	36	Pass
$T_{max}V_{max}$	5785	26.42	17.37	36	Pass
$T_{max}V_{min}$	5785	26.40	17.35	36	Pass
$T_{nom}V_{nom}$	5825	27.48	18.24	36	Pass
$T_{min}V_{max}$	5825	28.21	18.97	36	Pass
$T_{min}V_{min}$	5825	28.24	19.00	36	Pass
$T_{max}V_{max}$	5825	26.30	17.06	36	Pass
$T_{max}V_{min}$	5825	26.28	17.04	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	26.41	18.35	36	Pass
$T_{min}V_{max}$	5755	27.22	19.16	36	Pass
$T_{min}V_{min}$	5755	27.24	19.18	36	Pass
$T_{max}V_{max}$	5755	25.29	17.23	36	Pass
$T_{max}V_{min}$	5755	25.26	17.20	36	Pass
$T_{nom}V_{nom}$	5795	26.41	18.19	36	Pass
$T_{min}V_{max}$	5795	27.13	18.91	36	Pass
$T_{min}V_{min}$	5795	27.15	18.93	36	Pass
$T_{max}V_{max}$	5795	25.24	17.02	36	Pass
$T_{max}V_{min}$	5795	25.22	17.00	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	23.91	17.65	36	Pass
$T_{min}V_{max}$	5775	24.79	18.53	36	Pass
$T_{min}V_{min}$	5775	24.81	18.55	36	Pass
$T_{max}V_{max}$	5775	22.97	16.71	36	Pass
$T_{max}V_{min}$	5775	22.94	16.68	36	Pass

Test Configuration 2

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	30.43	20.54	36	Pass
$T_{min}V_{max}$	5745	31.15	21.26	36	Pass
$T_{min}V_{min}$	5745	31.17	21.28	36	Pass
$T_{max}V_{max}$	5745	29.29	19.40	36	Pass
$T_{max}V_{min}$	5745	29.26	19.37	36	Pass
$T_{nom}V_{nom}$	5785	30.49	20.38	36	Pass
$T_{min}V_{max}$	5785	31.23	21.12	36	Pass
$T_{min}V_{min}$	5785	**31.25**	21.14	36	Pass
$T_{max}V_{max}$	5785	29.47	19.36	36	Pass
$T_{max}V_{min}$	5785	29.45	19.34	36	Pass
$T_{nom}V_{nom}$	5825	30.39	20.10	36	Pass
$T_{min}V_{max}$	5825	31.14	20.85	36	Pass
$T_{min}V_{min}$	5825	31.17	20.88	36	Pass
$T_{max}V_{max}$	5825	29.22	18.93	36	Pass
$T_{max}V_{min}$	5825	29.20	18.91	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.50	20.56	36	Pass
$T_{min}V_{max}$	5745	30.22	21.28	36	Pass
$T_{min}V_{min}$	5745	30.24	21.30	36	Pass
$T_{max}V_{max}$	5745	28.33	19.39	36	Pass
$T_{max}V_{min}$	5745	28.30	19.36	36	Pass
$T_{nom}V_{nom}$	5785	29.54	20.49	36	Pass
$T_{min}V_{max}$	5785	30.27	21.22	36	Pass
$T_{min}V_{min}$	5785	30.29	21.24	36	Pass
$T_{max}V_{max}$	5785	28.42	19.37	36	Pass
$T_{max}V_{min}$	5785	28.40	19.35	36	Pass
$T_{nom}V_{nom}$	5825	29.48	20.24	36	Pass
$T_{min}V_{max}$	5825	30.21	20.97	36	Pass
$T_{min}V_{min}$	5825	30.24	21.00	36	Pass
$T_{max}V_{max}$	5825	28.30	19.06	36	Pass
$T_{max}V_{min}$	5825	28.28	19.04	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	28.41	20.35	36	Pass
$T_{min}V_{max}$	5755	29.22	21.16	36	Pass
$T_{min}V_{min}$	5755	29.24	21.18	36	Pass
$T_{max}V_{max}$	5755	27.29	19.23	36	Pass
$T_{max}V_{min}$	5755	27.26	19.20	36	Pass
$T_{nom}V_{nom}$	5795	28.41	20.19	36	Pass
$T_{min}V_{max}$	5795	29.13	20.91	36	Pass
$T_{min}V_{min}$	5795	29.15	20.93	36	Pass
$T_{max}V_{max}$	5795	27.24	19.02	36	Pass
$T_{max}V_{min}$	5795	27.22	19.00	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	25.91	19.65	36	Pass
$T_{min}V_{max}$	5775	26.79	20.53	36	Pass
$T_{min}V_{min}$	5775	26.81	20.55	36	Pass
$T_{max}V_{max}$	5775	24.97	18.71	36	Pass
$T_{max}V_{min}$	5775	24.94	18.68	36	Pass

Test Configuration 3

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.43	19.54	36	Pass
$T_{min}V_{max}$	5745	30.15	20.26	36	Pass
$T_{min}V_{min}$	5745	30.17	20.28	36	Pass
$T_{max}V_{max}$	5745	28.29	18.40	36	Pass
$T_{max}V_{min}$	5745	28.26	18.37	36	Pass
$T_{nom}V_{nom}$	5785	29.49	19.38	36	Pass
$T_{min}V_{max}$	5785	30.23	20.12	36	Pass
$T_{min}V_{min}$	5785	30.25	20.14	36	Pass
$T_{max}V_{max}$	5785	28.47	18.36	36	Pass
$T_{max}V_{min}$	5785	28.45	18.34	36	Pass
$T_{nom}V_{nom}$	5825	29.39	19.10	36	Pass
$T_{min}V_{max}$	5825	30.14	19.85	36	Pass
$T_{min}V_{min}$	5825	30.17	19.88	36	Pass
$T_{max}V_{max}$	5825	28.22	17.93	36	Pass
$T_{max}V_{min}$	5825	28.20	17.91	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	28.50	19.56	36	Pass
$T_{min}V_{max}$	5745	29.22	20.28	36	Pass
$T_{min}V_{min}$	5745	29.24	20.30	36	Pass
$T_{max}V_{max}$	5745	27.33	18.39	36	Pass
$T_{max}V_{min}$	5745	27.30	18.36	36	Pass
$T_{nom}V_{nom}$	5785	28.54	19.49	36	Pass
$T_{min}V_{max}$	5785	29.27	20.22	36	Pass
$T_{min}V_{min}$	5785	29.29	20.24	36	Pass
$T_{max}V_{max}$	5785	27.42	18.37	36	Pass
$T_{max}V_{min}$	5785	27.40	18.35	36	Pass
$T_{nom}V_{nom}$	5825	28.48	19.24	36	Pass
$T_{min}V_{max}$	5825	29.21	19.97	36	Pass
$T_{min}V_{min}$	5825	29.24	20.00	36	Pass
$T_{max}V_{max}$	5825	27.30	18.06	36	Pass
$T_{max}V_{min}$	5825	27.28	18.04	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	27.41	19.35	36	Pass
$T_{min}V_{max}$	5755	28.22	20.16	36	Pass
$T_{min}V_{min}$	5755	28.24	20.18	36	Pass
$T_{max}V_{max}$	5755	26.29	18.23	36	Pass
$T_{max}V_{min}$	5755	26.26	18.20	36	Pass
$T_{nom}V_{nom}$	5795	27.41	19.19	36	Pass
$T_{min}V_{max}$	5795	28.13	19.91	36	Pass
$T_{min}V_{min}$	5795	28.15	19.93	36	Pass
$T_{max}V_{max}$	5795	26.24	18.02	36	Pass
$T_{max}V_{min}$	5795	26.22	18.00	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	24.91	18.65	36	Pass
$T_{min}V_{max}$	5775	25.79	19.53	36	Pass
$T_{min}V_{min}$	5775	25.81	19.55	36	Pass
$T_{max}V_{max}$	5775	23.97	17.71	36	Pass
$T_{max}V_{min}$	5775	23.94	17.68	36	Pass

Test Configuration 4

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.93	20.04	36	Pass
$T_{min}V_{max}$	5745	30.65	20.76	36	Pass
$T_{min}V_{min}$	5745	30.67	20.78	36	Pass
$T_{max}V_{max}$	5745	28.79	18.90	36	Pass
$T_{max}V_{min}$	5745	28.76	18.87	36	Pass
$T_{nom}V_{nom}$	5785	29.99	19.88	36	Pass
$T_{min}V_{max}$	5785	30.73	20.62	36	Pass
$T_{min}V_{min}$	5785	30.75	20.64	36	Pass
$T_{max}V_{max}$	5785	28.97	18.86	36	Pass
$T_{max}V_{min}$	5785	28.95	18.84	36	Pass
$T_{nom}V_{nom}$	5825	29.89	19.60	36	Pass
$T_{min}V_{max}$	5825	30.64	20.35	36	Pass
$T_{min}V_{min}$	5825	30.67	20.38	36	Pass
$T_{max}V_{max}$	5825	28.72	18.43	36	Pass
$T_{max}V_{min}$	5825	28.70	18.41	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.00	20.06	36	Pass
$T_{min}V_{max}$	5745	29.72	20.78	36	Pass
$T_{min}V_{min}$	5745	29.74	20.80	36	Pass
$T_{max}V_{max}$	5745	27.83	18.89	36	Pass
$T_{max}V_{min}$	5745	27.80	18.86	36	Pass
$T_{nom}V_{nom}$	5785	29.04	19.99	36	Pass
$T_{min}V_{max}$	5785	29.77	20.72	36	Pass
$T_{min}V_{min}$	5785	29.79	20.74	36	Pass
$T_{max}V_{max}$	5785	27.92	18.87	36	Pass
$T_{max}V_{min}$	5785	27.90	18.85	36	Pass
$T_{nom}V_{nom}$	5825	28.98	19.74	36	Pass
$T_{min}V_{max}$	5825	29.71	20.47	36	Pass
$T_{min}V_{min}$	5825	29.74	20.50	36	Pass
$T_{max}V_{max}$	5825	27.80	18.56	36	Pass
$T_{max}V_{min}$	5825	27.78	18.54	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	27.91	19.85	36	Pass
$T_{min}V_{max}$	5755	28.72	20.66	36	Pass
$T_{min}V_{min}$	5755	28.74	20.68	36	Pass
$T_{max}V_{max}$	5755	26.79	18.73	36	Pass
$T_{max}V_{min}$	5755	26.76	18.70	36	Pass
$T_{nom}V_{nom}$	5795	27.91	19.69	36	Pass
$T_{min}V_{max}$	5795	28.63	20.41	36	Pass
$T_{min}V_{min}$	5795	28.65	20.43	36	Pass
$T_{max}V_{max}$	5795	26.74	18.52	36	Pass
$T_{max}V_{min}$	5795	26.72	18.50	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	25.41	19.15	36	Pass
$T_{min}V_{max}$	5775	26.29	20.03	36	Pass
$T_{min}V_{min}$	5775	26.31	20.05	36	Pass
$T_{max}V_{max}$	5775	24.47	18.21	36	Pass
$T_{max}V_{min}$	5775	24.44	18.18	36	Pass

3.2 Emission Bandwidth

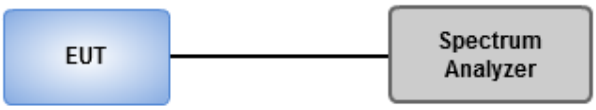
3.2.1 Limit of Emission Bandwidth

The upper and lower frequency limits of the transmitter 99% emission power bandwidth shall at all times remain within the operating frequency limits.

3.2.2 Test Procedures

1. Set RBW=100kHz, VBW=300kHz, Sweep time=Auto, Detector=Peak Trace max hold.
2. Allow trace to stabilize.
3. Use Occupied bandwidth function of spectrum analyzer to measuring 99% occupied bandwidth.

3.2.3 Test Setup



Test Configuration 2

3.2.4 Test Result of Emission Bandwidth

Summary

Mode	Result	Limit (Hz)	fl-OBW (Hz)	fh-OBW (Hz)	OBW (Hz)	N dB (Hz)
5.725-5.85GHz	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	5.725-5.85G	5.736771G	5.833239G	16.483M	16.555M
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	5.725-5.85G	5.736186G	5.833819G	17.638M	17.765M
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	5.725-5.85G	5.736912G	5.813108G	36.205M	36.51M
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	5.725-5.85G	5.737085G	5.812975G	75.891M	76.5M

fl-OBW = fl lower edge 99% occupied bandwidth; **fh-OBW** = fh higher edge 99% occupied bandwidth; **OBW** = 99% occupied bandwidth;

N dB = 6dB down bandwidth;

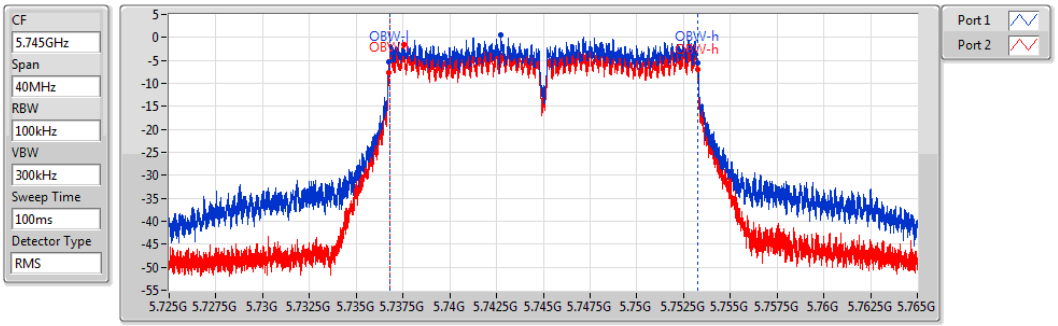
Result

Mode	Result	Limit (Hz)	fl-OBW (Hz)	fh-OBW (Hz)	OBW (Hz)	N dB (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	5.725-5.85G	5.736771G	5.753239G	16.468M	16.55M
5785MHz_TnomVnom	Pass	5.725-5.85G	5.776761G	5.793244G	16.483M	16.555M
5825MHz_TnomVnom	Pass	5.725-5.85G	5.816756G	5.833239G	16.483M	16.545M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	5.725-5.85G	5.736186G	5.753819G	17.633M	17.745M
5785MHz_TnomVnom	Pass	5.725-5.85G	5.776186G	5.793824G	17.638M	17.72M
5825MHz_TnomVnom	Pass	5.725-5.85G	5.816181G	5.833819G	17.638M	17.765M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz_TnomVnom	Pass	5.725-5.85G	5.736912G	5.773118G	36.205M	36.51M
5795MHz_TnomVnom	Pass	5.725-5.85G	5.776912G	5.813108G	36.195M	36.48M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz_TnomVnom	Pass	5.725-5.85G	5.737085G	5.812975G	75.891M	76.5M

fl-OBW = fl lower edge 99% occupied bandwidth; **fh-OBW** = fh higher edge 99% occupied bandwidth; **OBW** = 99% occupied bandwidth;
N dB = 6dB down bandwidth;

802.11a_Nss1,(6Mbps)_2TX **Operating Freq/EBW-AU**

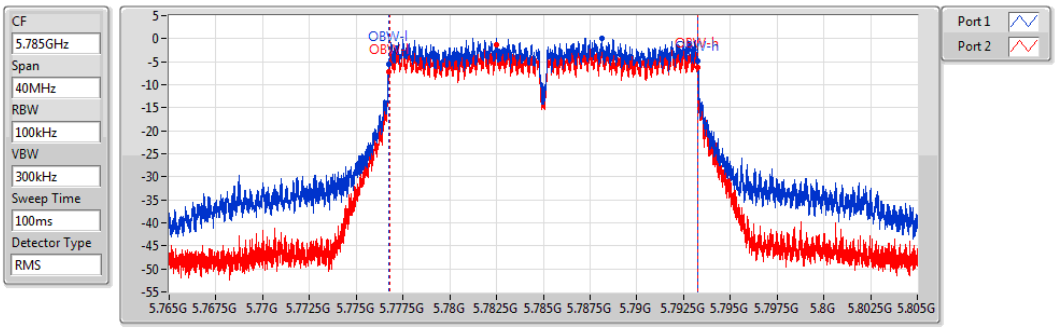
5745MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.495M	5.736765G	5.75326G	16.468M	5.736771G	5.753239G	5.725-5.85G	1
16.55M	5.73673G	5.75328G	16.458M	5.736776G	5.753234G	5.725-5.85G	2

802.11a_Nss1,(6Mbps)_2TX **Operating Freq/EBW-AU**

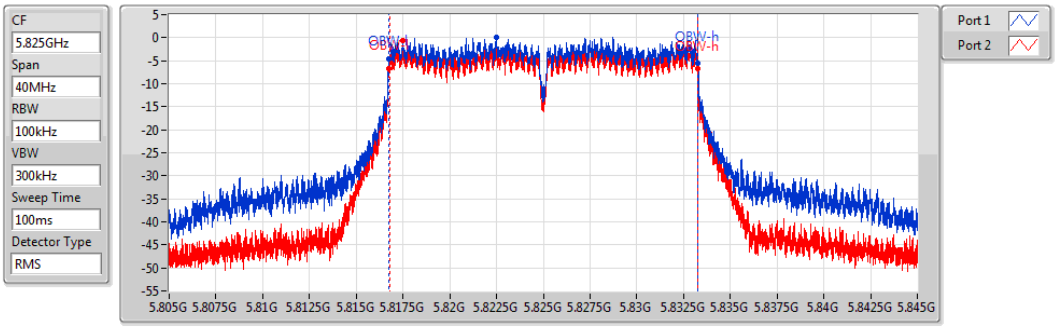
5785MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.54M	5.77673G	5.79327G	16.483M	5.776761G	5.793244G	5.725-5.85G	1
16.555M	5.77672G	5.793275G	16.463M	5.776771G	5.793234G	5.725-5.85G	2

802.11a_Nss1,(6Mbps)_2TX **Operating Freq/EBW-AU**

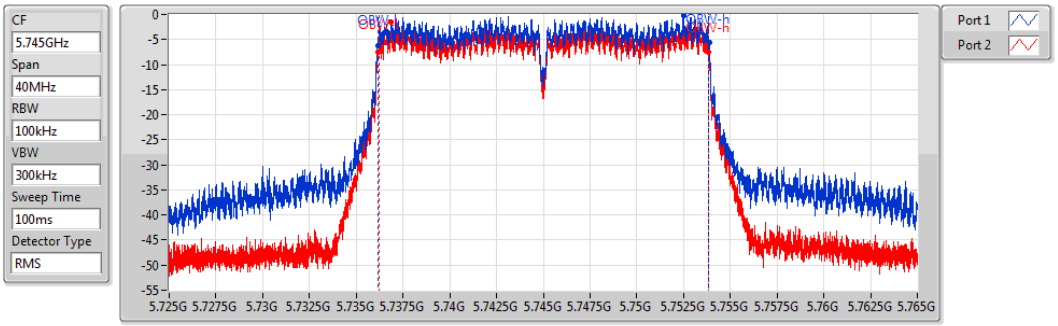
5825MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.545M	5.81673G	5.833275G	16.483M	5.816756G	5.833239G	5.725-5.85G	1
16.54M	5.81674G	5.83328G	16.463M	5.816771G	5.833234G	5.725-5.85G	2

802.11ac VHT20_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

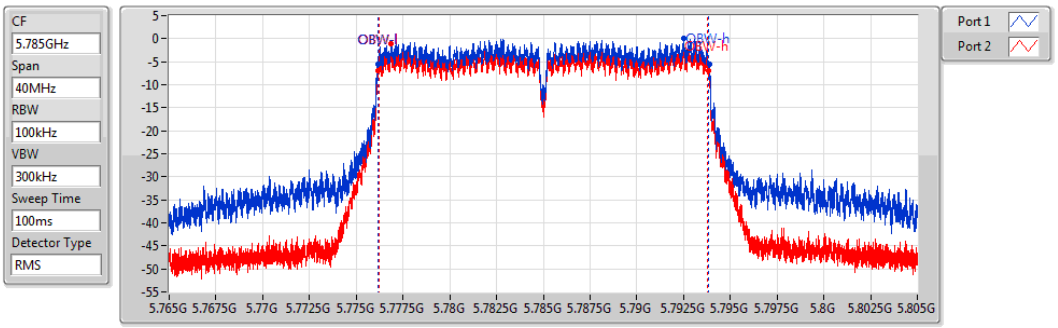
5745MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.745M	5.73614G	5.753885G	17.633M	5.736186G	5.753819G	5.725-5.85G	1
17.635M	5.736185G	5.75382G	17.608M	5.736201G	5.753809G	5.725-5.85G	2

802.11ac VHT20_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

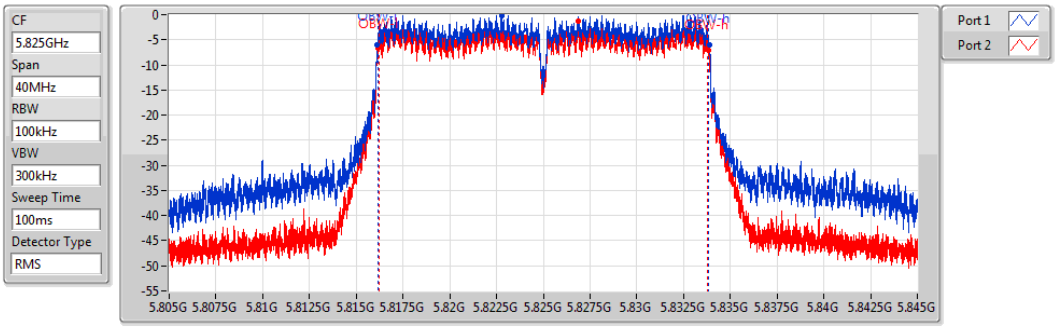
5785MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.72M	5.776145G	5.793865G	17.638M	5.776186G	5.793824G	5.725-5.85G	1
17.635M	5.77618G	5.793815G	17.603M	5.776201G	5.793804G	5.725-5.85G	2

802.11ac VHT20_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

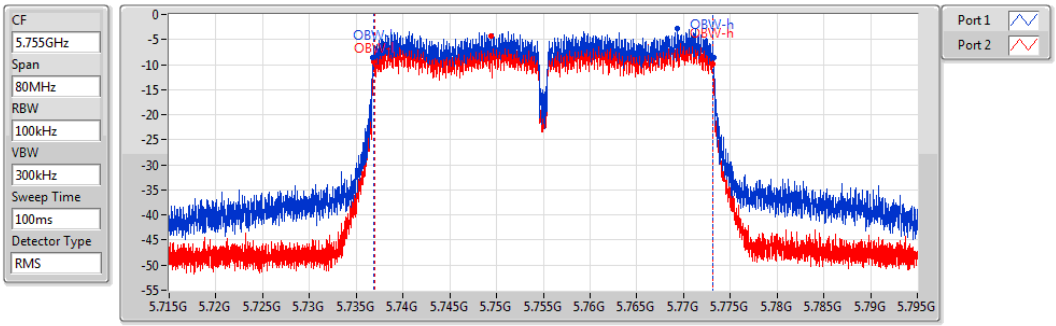
5825MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.765M	5.81612G	5.833885G	17.638M	5.816181G	5.833819G	5.725-5.85G	1
17.685M	5.816175G	5.83386G	17.603M	5.816196G	5.833799G	5.725-5.85G	2

802.11ac VHT40_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

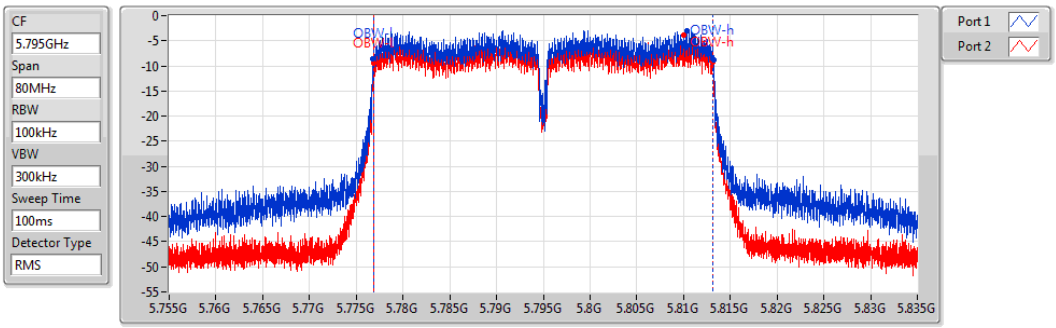
5755MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.51M	5.73675G	5.77326G	36.205M	5.736912G	5.773118G	5.725-5.85G	1
36.35M	5.73683G	5.77318G	36.165M	5.736932G	5.773098G	5.725-5.85G	2

802.11ac VHT40_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

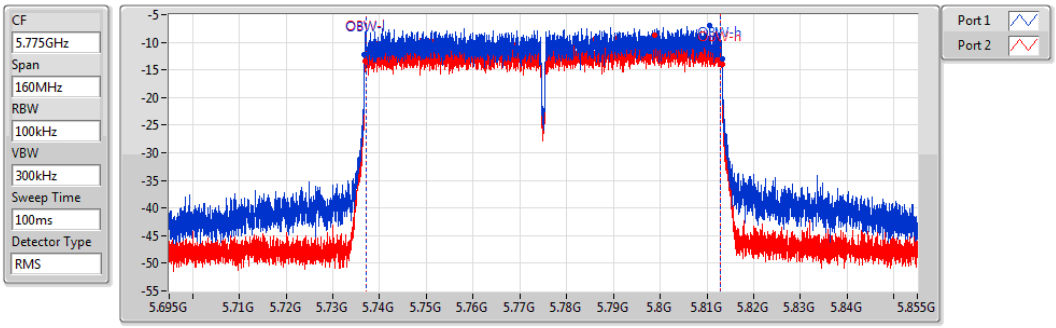
5795MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.48M	5.77673G	5.81321G	36.195M	5.776912G	5.813108G	5.725-5.85G	1
36.35M	5.77682G	5.81317G	36.155M	5.776922G	5.813078G	5.725-5.85G	2

802.11ac VHT80_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

5775MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.5M	5.73676G	5.81326G	75.891M	5.737085G	5.812975G	5.725-5.85G	1
76.46M	5.7368G	5.81326G	75.811M	5.737125G	5.812935G	5.725-5.85G	2

3.3 Peak Power Spectral Density

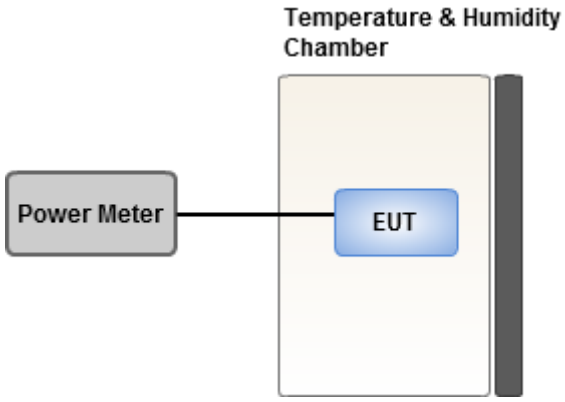
3.3.1 Peak Power Spectral Density Limits

Frequency band	Limits
5725~5850 MHz	14 dBm / 3kHz

3.3.2 Test Procedures

1. Set the RBW=3kHz, VBW=30kHz.
2. Detector = Peak, Sweep time = auto couple.
3. Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

3.3.3 Test Setup



3.3.4 Test Result of Power Density

Test Configuration 1

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-8.41	14	Pass
11a	5785	-8.55	14	Pass
11a	5825	-8.90	14	Pass
11ac VHT20	5745	-8.26	14	Pass
11ac VHT20	5785	-8.34	14	Pass
11ac VHT20	5825	-8.47	14	Pass
11ac VHT40	5755	-10.82	14	Pass
11ac VHT40	5795	-10.95	14	Pass
11ac VHT80	5775	-14.84	14	Pass

Test Configuration 2

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-6.45	14	Pass
11a	5785	-6.56	14	Pass
11a	5825	-6.89	14	Pass
11ac VHT20	5745	-6.19	14	Pass
11ac VHT20	5785	-6.43	14	Pass
11ac VHT20	5825	-6.53	14	Pass
11ac VHT40	5755	-8.92	14	Pass
11ac VHT40	5795	-9.12	14	Pass
11ac VHT80	5775	-12.44	14	Pass

Test Configuration 3

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-7.43	14	Pass
11a	5785	-7.57	14	Pass
11a	5825	-7.88	14	Pass
11ac VHT20	5745	-7.27	14	Pass
11ac VHT20	5785	-7.31	14	Pass
11ac VHT20	5825	-7.52	14	Pass
11ac VHT40	5755	-9.90	14	Pass
11ac VHT40	5795	-9.94	14	Pass
11ac VHT80	5775	-13.63	14	Pass

Test Configuration 4

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-6.91	14	Pass
11a	5785	-7.06	14	Pass
11a	5825	-7.36	14	Pass
11ac VHT20	5745	-6.75	14	Pass
11ac VHT20	5785	-6.83	14	Pass
11ac VHT20	5825	-7.09	14	Pass
11ac VHT40	5755	-9.36	14	Pass
11ac VHT40	5795	-9.52	14	Pass
11ac VHT80	5775	-12.94	14	Pass

3.4 Operating Frequencies

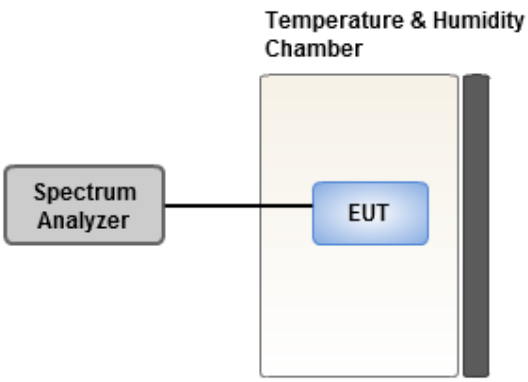
3.4.1 Limit of Operating Frequencies

Higher sub-band frequency range shall fall in 5.725 GHz to 5.850 GHz ($f_L \geq 5.725$ GHz and $f_H \leq 5.850$ GHz)

3.4.2 Test Procedures

1. Set RBW=100kHz, VBW=300kHz, Sweep time=Auto, Detector=Peak Trace max hold.
2. Allow trace to stabilize.
3. Use Occupied bandwidth function of spectrum analyzer to measuring 99% occupied bandwidth.
4. Record the F_L and F_H

3.4.3 Test Setup



Test Configuration 2

3.4.4 Test Result of Operating Frequencies

Frequency Range (MHz)					
Condition	**Modulation Mode**	**Freq. (MHz)**	**F_L and F_H**	**Limit**	**Results**
$T_{nom}V_{nom}$	11a	5745	5736.77	5725	Pass
$T_{min}V_{max}$	11a	5745	5736.72	5725	Pass
$T_{min}V_{min}$	11a	5745	5736.72	5725	Pass
$T_{max}V_{max}$	11a	5745	5736.81	5725	Pass
$T_{max}V_{min}$	11a	5745	5736.81	5725	Pass
$T_{nom}V_{nom}$	11a	5825	5833.23	5850	Pass
$T_{min}V_{max}$	11a	5825	5833.19	5850	Pass
$T_{min}V_{min}$	11a	5825	5833.19	5850	Pass
$T_{max}V_{max}$	11a	5825	5833.26	5850	Pass
$T_{max}V_{min}$	11a	5825	5833.26	5850	Pass

Frequency Range (MHz)					
Condition	**Modulation Mode**	**Freq. (MHz)**	**F_L and F_H**	**Limit**	**Results**
$T_{nom}V_{nom}$	VHT20	5745	5736.18	5725	Pass
$T_{min}V_{max}$	VHT20	5745	5736.22	5725	Pass
$T_{min}V_{min}$	VHT20	5745	5736.22	5725	Pass
$T_{max}V_{max}$	VHT20	5745	5736.15	5725	Pass
$T_{max}V_{min}$	VHT20	5745	5736.15	5725	Pass
$T_{nom}V_{nom}$	VHT20	5825	5833.81	5850	Pass
$T_{min}V_{max}$	VHT20	5825	5833.85	5850	Pass
$T_{min}V_{min}$	VHT20	5825	5833.85	5850	Pass
$T_{max}V_{max}$	VHT20	5825	5833.77	5850	Pass
$T_{max}V_{min}$	VHT20	5825	5833.77	5850	Pass

Frequency Range (MHz)					
Condition	**Modulation Mode**	**Freq. (MHz)**	**F_L and F_H**	**Limit**	**Results**
$T_{nom}V_{nom}$	VHT40	5755	5736.91	5725	Pass
$T_{min}V_{max}$	VHT40	5755	5736.88	5725	Pass
$T_{min}V_{min}$	VHT40	5755	5736.88	5725	Pass
$T_{max}V_{max}$	VHT40	5755	5736.93	5725	Pass
$T_{max}V_{min}$	VHT40	5755	5736.93	5725	Pass
$T_{nom}V_{nom}$	VHT40	5795	5813.11	5850	Pass
$T_{min}V_{max}$	VHT40	5795	5813.14	5850	Pass
$T_{min}V_{min}$	VHT40	5795	5813.14	5850	Pass
$T_{max}V_{max}$	VHT40	5795	5813.09	5850	Pass
$T_{max}V_{min}$	VHT40	5795	5813.09	5850	Pass

Frequency Range (MHz)					
Condition	**Modulation Mode**	**Freq. (MHz)**	**F_L and F_H**	**Limit**	**Results**
$T_{nom}V_{nom}$	VHT80	5775	5812.97	5725	Pass
$T_{min}V_{max}$	VHT80	5775	5813.02	5725	Pass
$T_{min}V_{min}$	VHT80	5775	5813.02	5725	Pass
$T_{max}V_{max}$	VHT80	5775	5812.94	5725	Pass
$T_{max}V_{min}$	VHT80	5775	5812.94	5725	Pass

3.5 Transmitter Spurious Emissions

3.5.1 Limit of Transmitter Spurious Emissions

Spurious Emissions Limit (Peak Power)	Frequency Range	Measurement Bandwidth
-56 dBW (2.5μW) e.i.r.p (59 dBμV/m at 10 metres)	< 150 kHz	1 kHz
	150 kHz – 30 MHz	10 kHz

Radiated Emission Limit			
Frequency Ranges / State	**47 MHz to 74 MHz 87,5 MHz to 108 MHz 174 MHz to 230 MHz 470 MHz to 862 MHz**	**Other frequencies ≤1000 MHz**	**Frequencies > 1000 MHz**
Operating	-54 dBm	-36 dBm	-30 dBm
Standby	-57 dBm	-57 dBm	-47 dBm

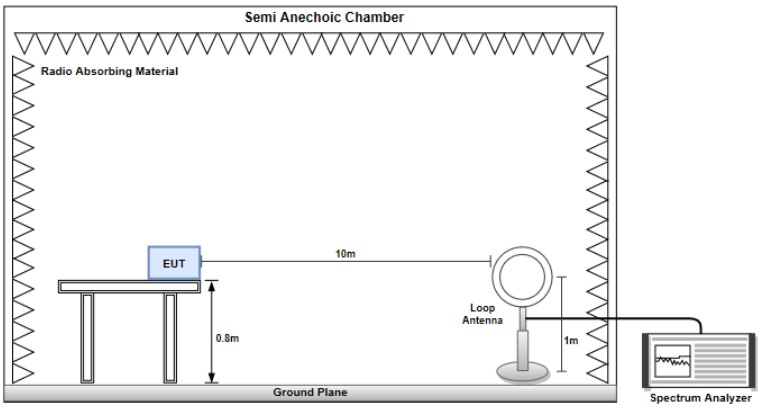
Conducted Emission Limit			
Frequency Ranges / State	**47 MHz to 74 MHz 87,5 MHz to 108 MHz 174 MHz to 230 MHz 470 MHz to 862 MHz**	**Other frequencies ≤1000 MHz**	**Frequencies > 1000 MHz**
Operating	-57.01 dBm	-39.01 dBm	-33.01 dBm
Standby	-60.01 dBm	-60.01 dBm	-50.01 dBm

3.5.2 Test Procedures

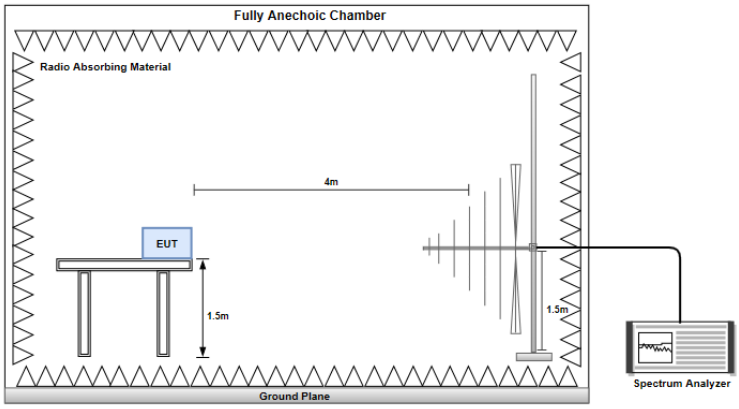
Reference to clause 4.2.4.3 of EN 300 440 V2.1.1 (2017-03).

3.5.3 Test Setup

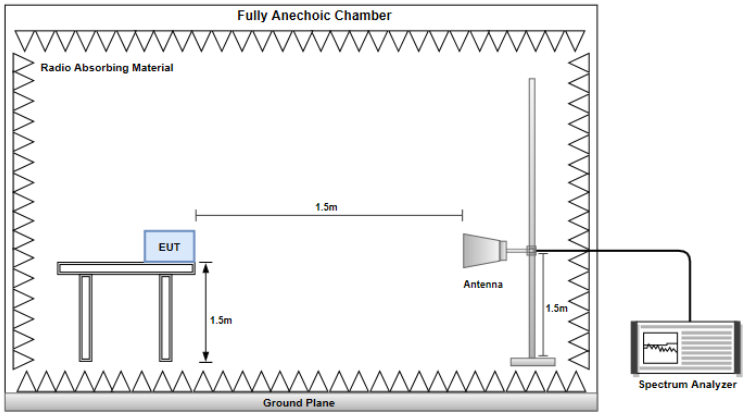
Below 30MHz



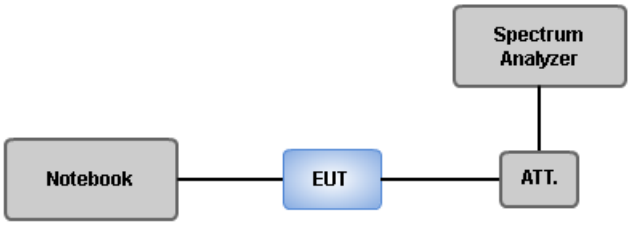
Below 1GHz



Above 1 GHz



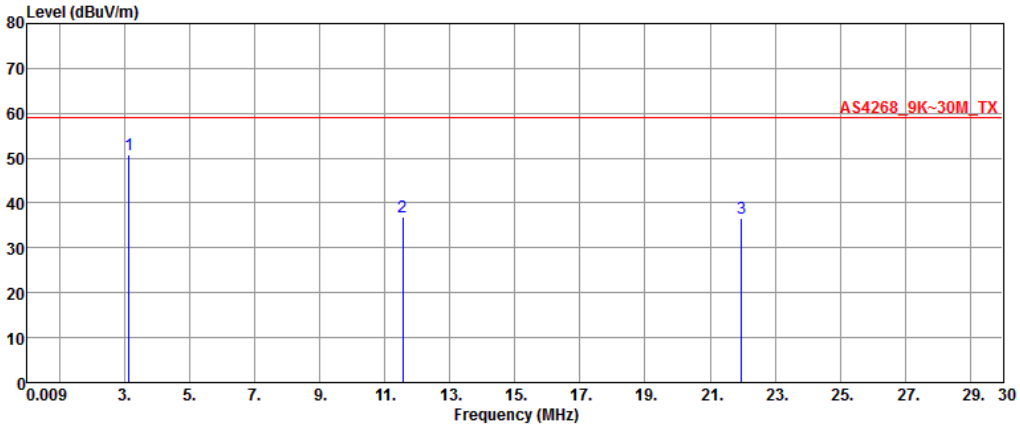
Conducted Emission



3.5.4 Transmitter Radiated Unwanted Emissions (≤ 30MHz)

Test Configuration 1

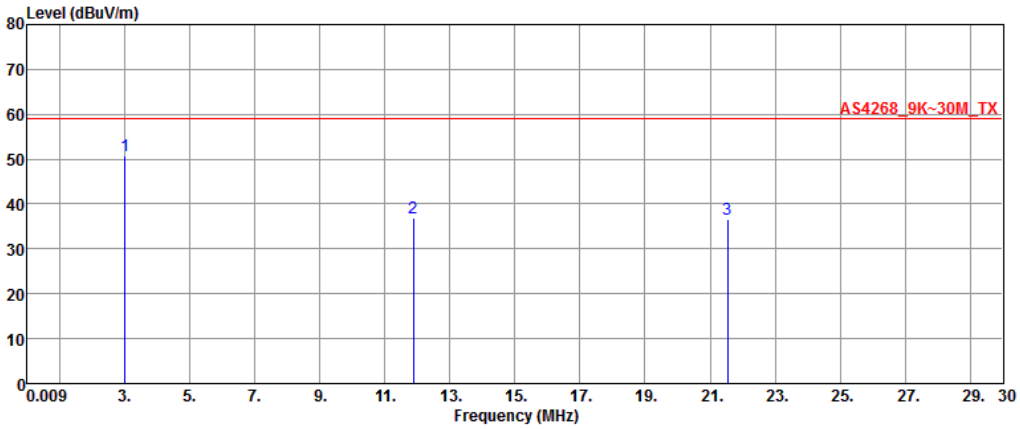
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.14	50.85	59.00	-8.15	19.62	31.23
2	11.54	36.87	59.00	-22.13	21.49	15.38
3	21.97	36.56	59.00	-22.44	22.56	14.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

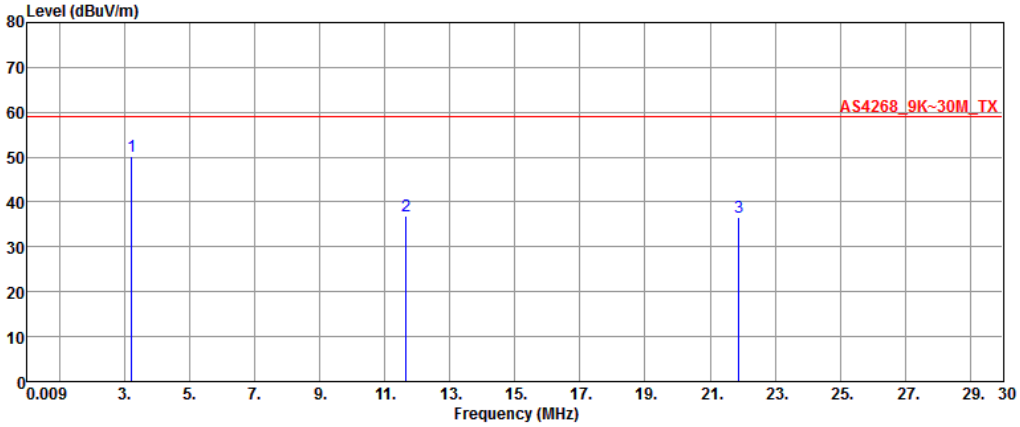
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.00	50.85	59.00	-8.15	19.53	31.32
2	11.87	36.86	59.00	-22.14	21.54	15.32
3	21.54	36.65	59.00	-22.35	22.55	14.10

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

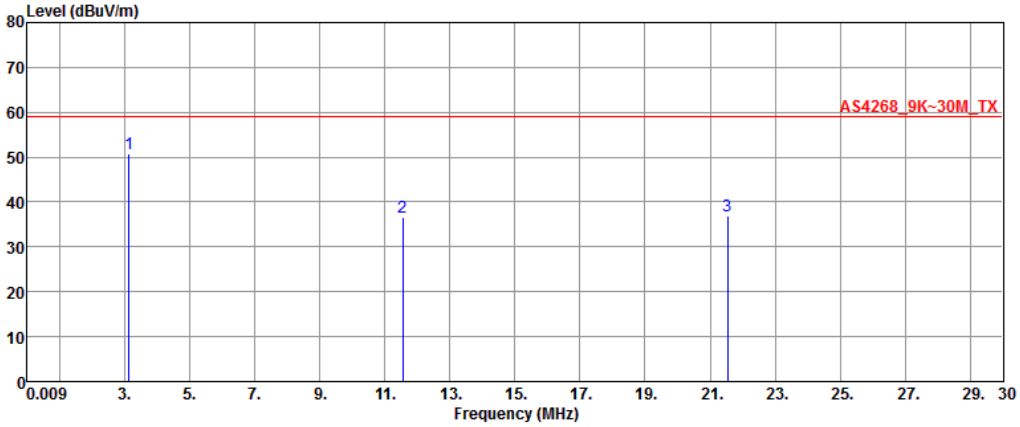
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.21	50.15	59.00	-8.85	19.66	30.49
2	11.65	36.85	59.00	-22.15	21.50	15.35
3	21.90	36.55	59.00	-22.45	22.55	14.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

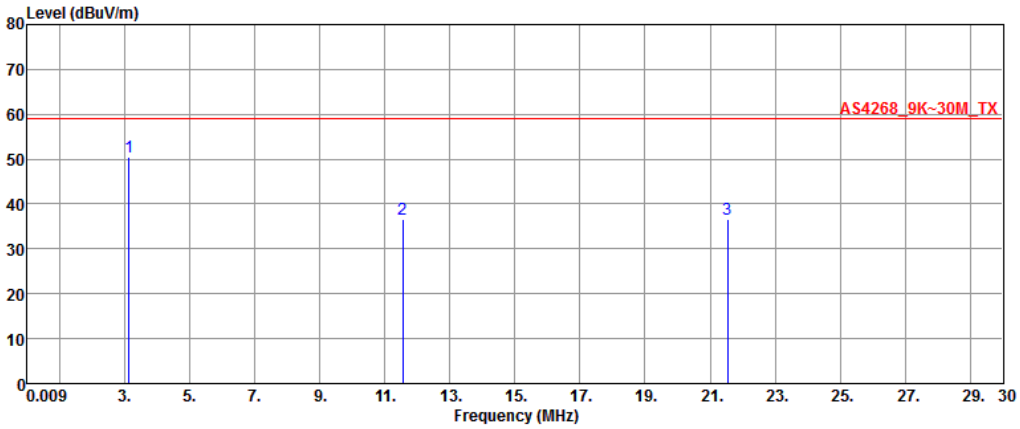
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	50.85	59.00	-8.15	19.61	31.24
2	11.54	36.54	59.00	-22.46	21.49	15.05
3	21.54	36.85	59.00	-22.15	22.55	14.30

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

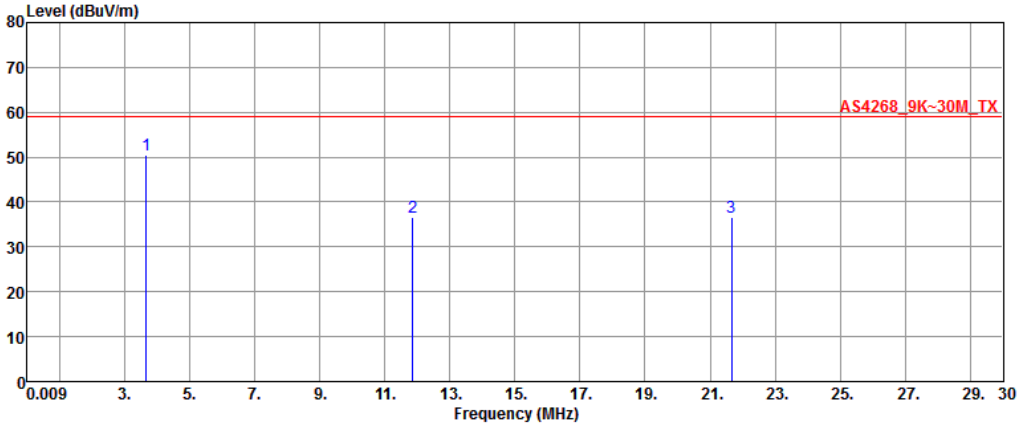
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.14	50.55	59.00	-8.45	19.62	30.93
2	11.55	36.65	59.00	-22.35	21.49	15.16
3	21.54	36.66	59.00	-22.34	22.55	14.11

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

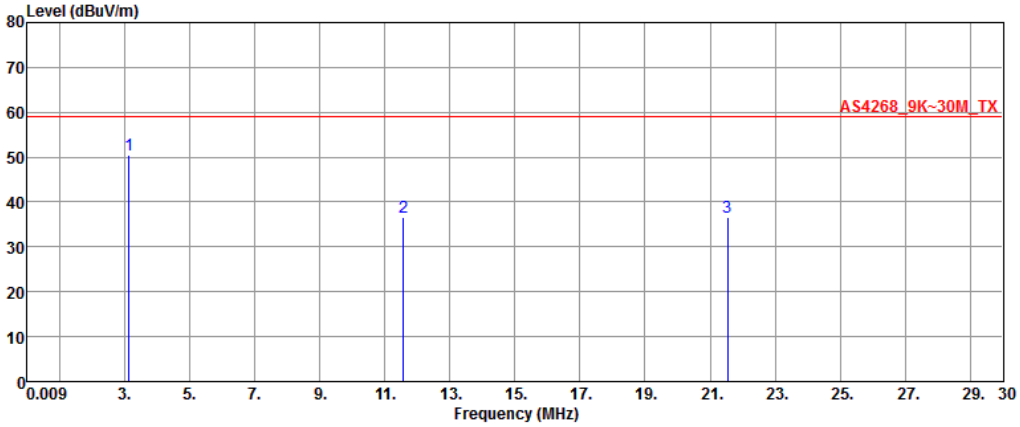
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.65	50.55	59.00	-8.45	19.93	30.62
2	11.85	36.54	59.00	-22.46	21.53	15.01
3	21.65	36.55	59.00	-22.45	22.55	14.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

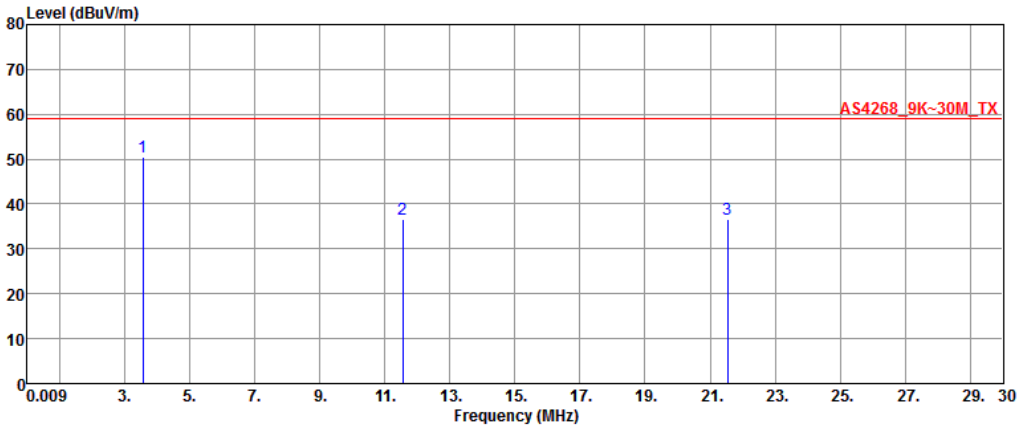
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.14	50.58	59.00	-8.42	19.62	30.96
2	11.57	36.54	59.00	-22.46	21.49	15.05
3	21.54	36.55	59.00	-22.45	22.55	14.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

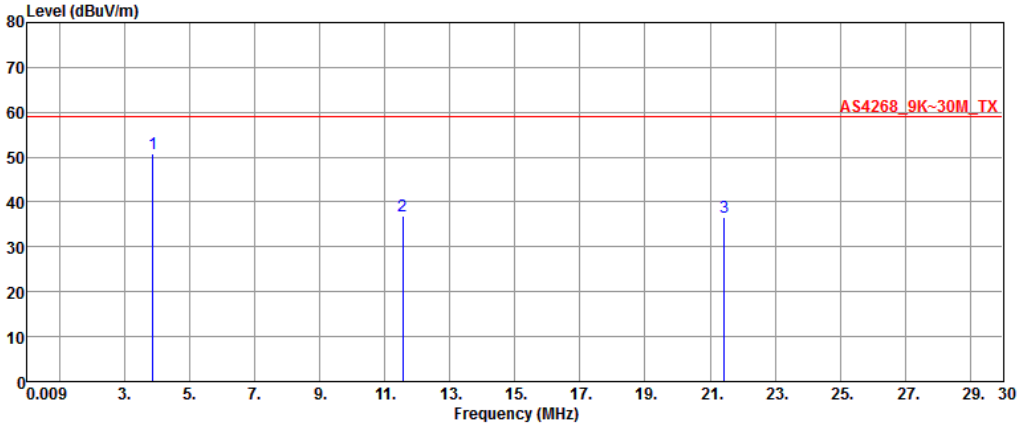
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.55	50.55	59.00	-8.45	19.87	30.68
2	11.54	36.64	59.00	-22.36	21.49	15.15
3	21.54	36.55	59.00	-22.45	22.55	14.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755

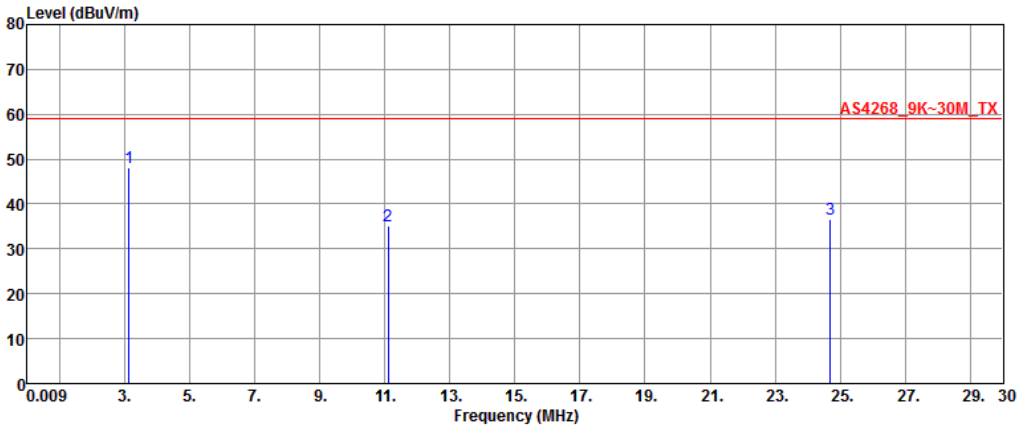


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.85	50.87	59.00	-8.13	20.03	30.84
2	11.55	36.90	59.00	-22.10	21.49	15.41
3	21.44	36.56	59.00	-22.44	22.54	14.02

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Test Configuration 2

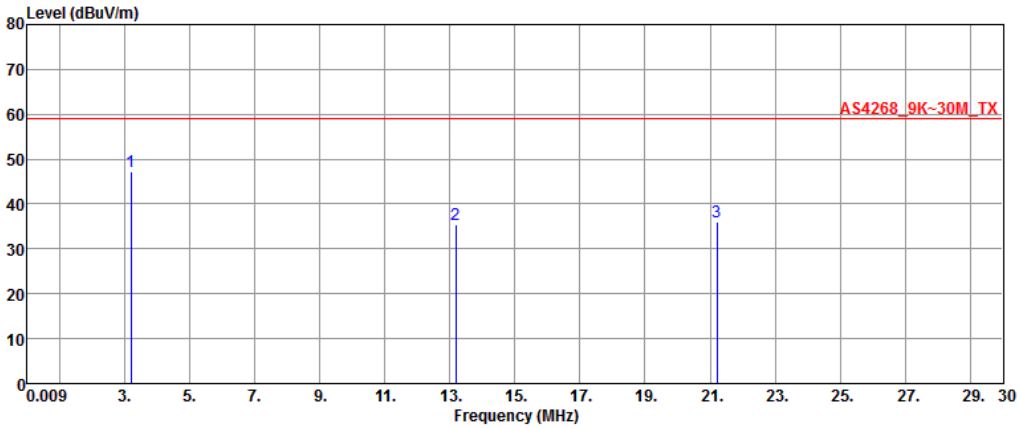
Modulation	11a	**Test Freq. (MHz)**	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	48.18	59.00	-10.82	19.61	28.57
2	11.11	35.21	59.00	-23.79	21.41	13.80
3	24.69	36.49	59.00	-22.51	22.62	13.87

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

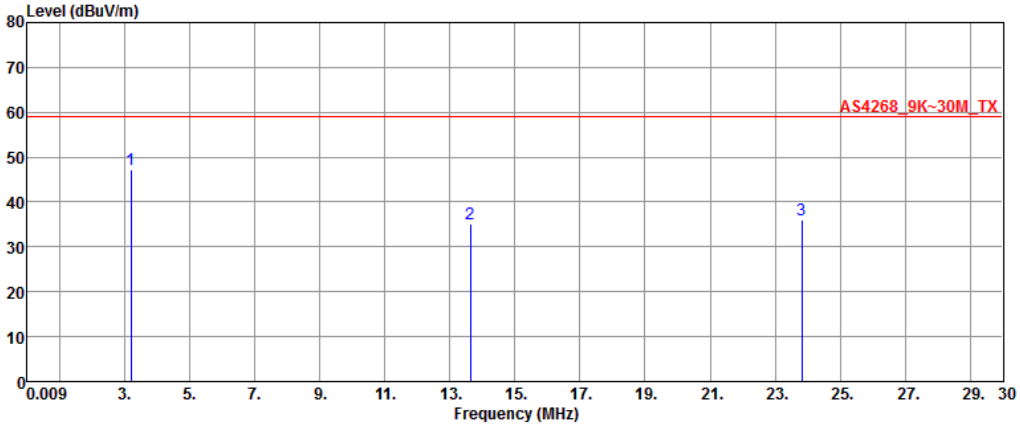
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.19	47.19	59.00	-11.81	19.65	27.54
2	13.18	35.57	59.00	-23.43	21.73	13.84
3	21.21	36.01	59.00	-22.99	22.54	13.47

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

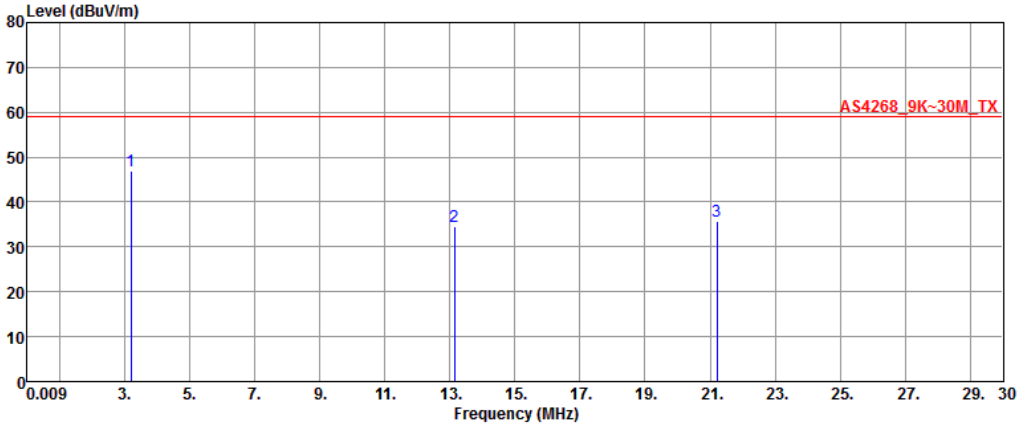
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.19	47.09	59.00	-11.91	19.65	27.44
2	13.62	35.09	59.00	-23.91	21.80	13.29
3	23.82	35.96	59.00	-23.04	22.61	13.35

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

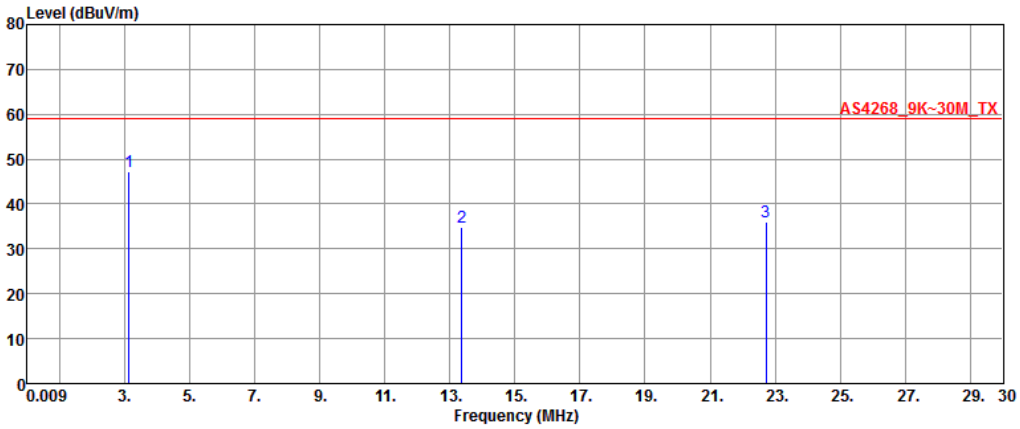
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.19	46.85	59.00	-12.15	19.65	27.20
2	13.15	34.45	59.00	-24.55	21.72	12.73
3	21.21	35.74	59.00	-23.26	22.54	13.20

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

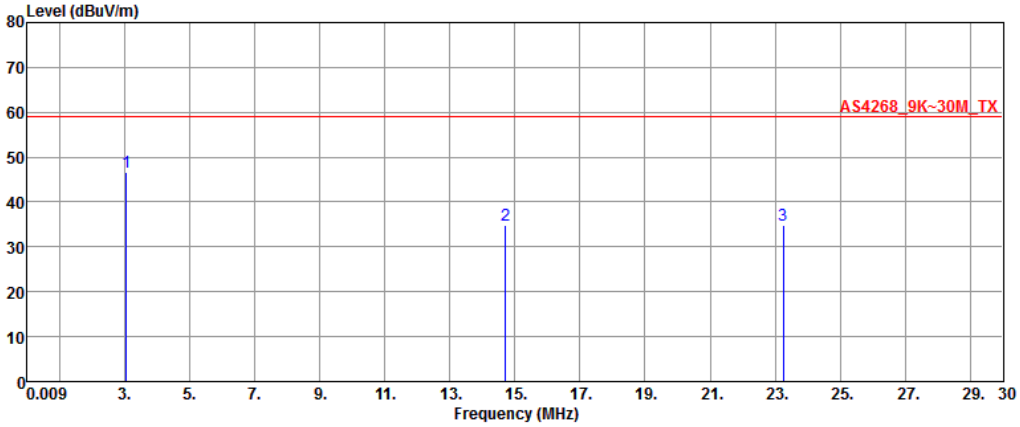
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	47.27	59.00	-11.73	19.61	27.66
2	13.35	34.69	59.00	-24.31	21.76	12.93
3	22.71	35.87	59.00	-23.13	22.58	13.29

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

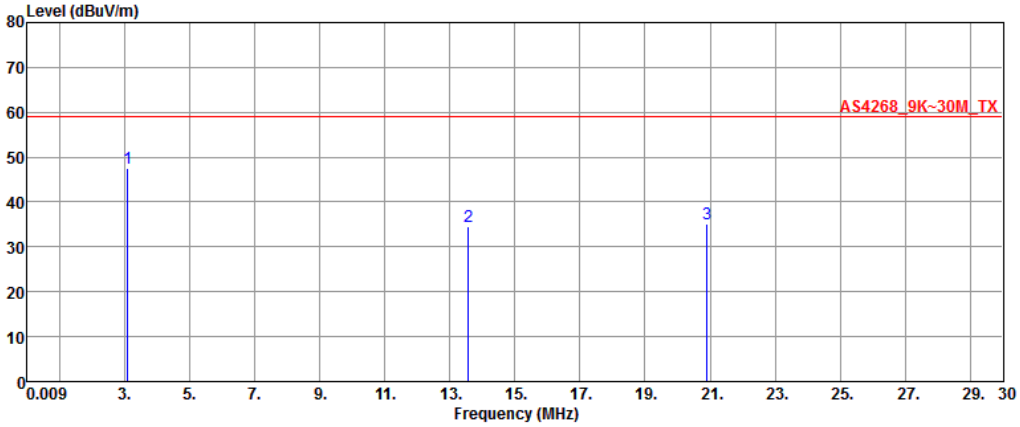
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	46.54	59.00	-12.46	19.55	26.99
2	14.70	34.69	59.00	-24.31	21.94	12.75
3	23.25	34.86	59.00	-24.14	22.59	12.27

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

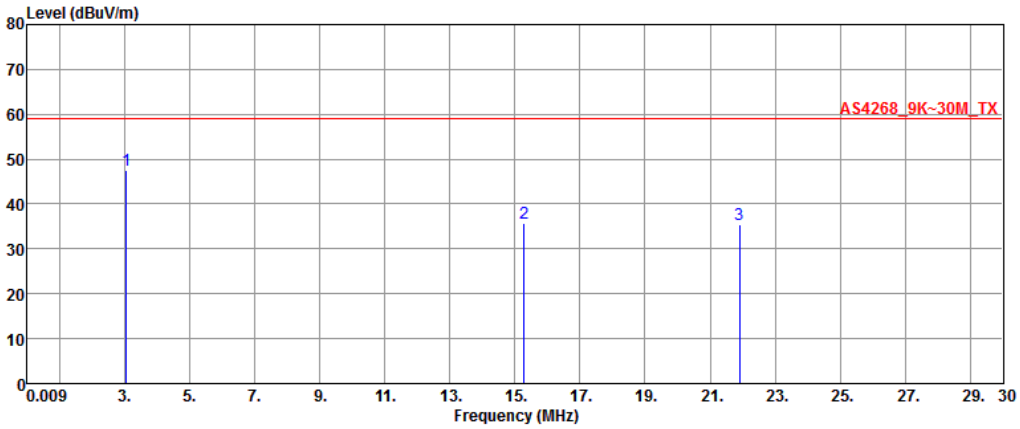
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.10	47.55	59.00	-11.45	19.59	27.96
2	13.56	34.64	59.00	-24.36	21.79	12.85
3	20.91	35.03	59.00	-23.97	22.53	12.50

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

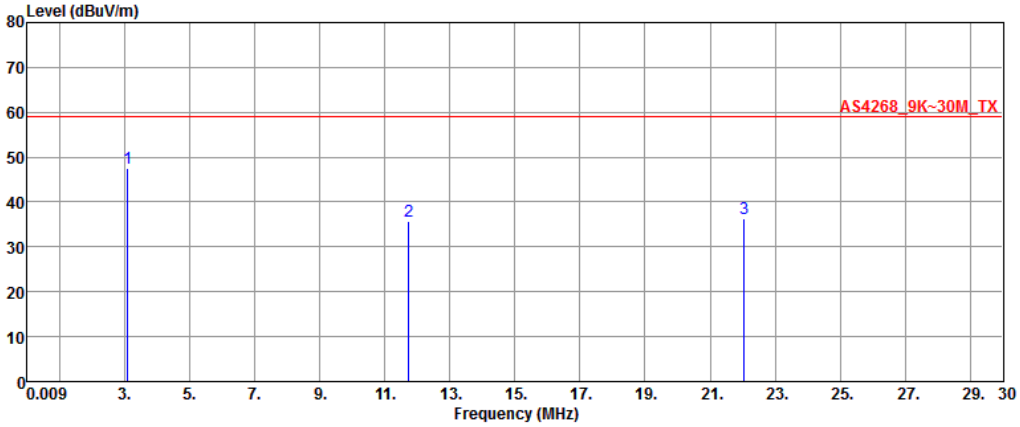
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.54	59.00	-11.46	19.55	27.99
2	15.27	35.77	59.00	-23.23	22.00	13.77
3	21.90	35.53	59.00	-23.47	22.55	12.98

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755

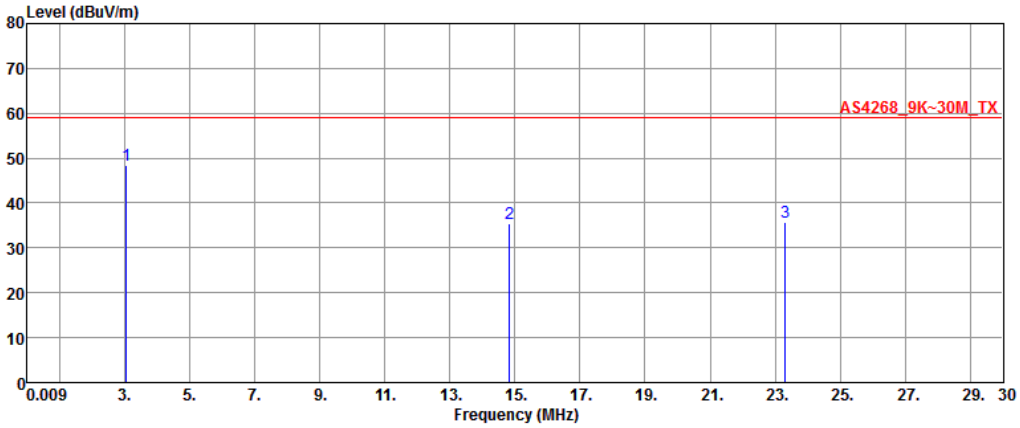


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.10	47.47	59.00	-11.53	19.59	27.88
2	11.74	35.76	59.00	-23.24	21.52	14.24
3	22.05	36.28	59.00	-22.72	22.56	13.72

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Test Configuration 3

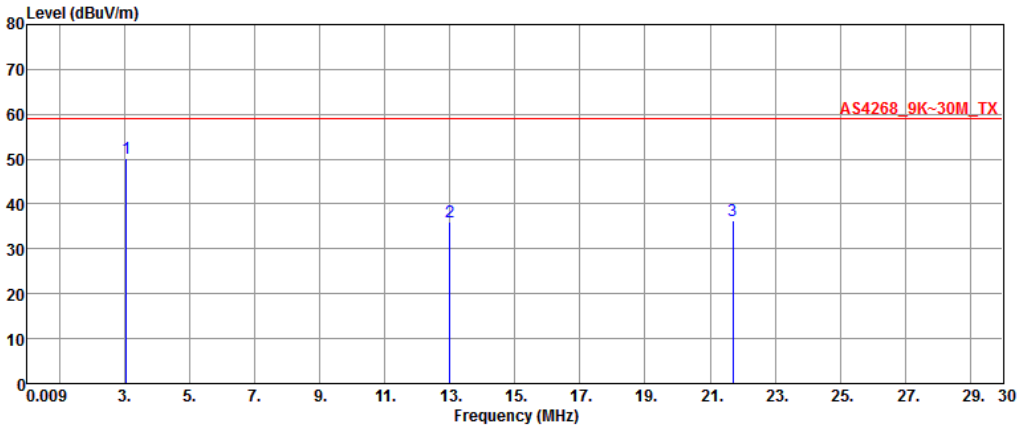
Modulation	11a	**Test Freq. (MHz)**	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.48	59.00	-10.52	19.55	28.93
2	14.82	35.54	59.00	-23.46	21.95	13.59
3	23.31	35.64	59.00	-23.36	22.60	13.04

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

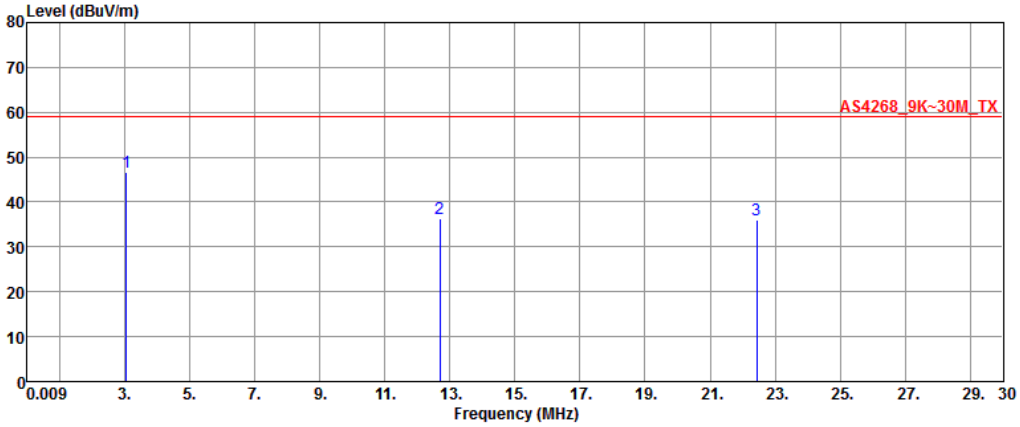
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	50.25	59.00	-8.75	19.55	30.70
2	13.00	36.14	59.00	-22.86	21.70	14.44
3	21.69	36.28	59.00	-22.72	22.55	13.73

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

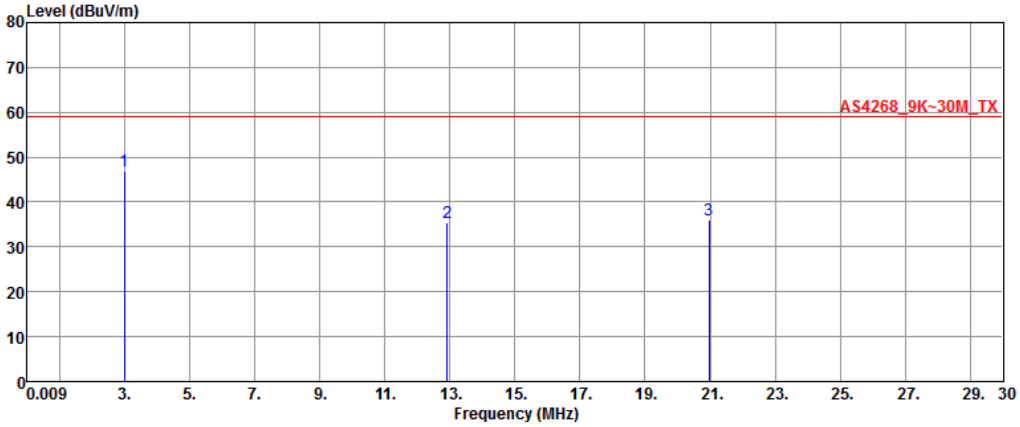
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	46.69	59.00	-12.31	19.55	27.14
2	12.70	36.22	59.00	-22.78	21.66	14.56
3	22.44	36.01	59.00	-22.99	22.58	13.43

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

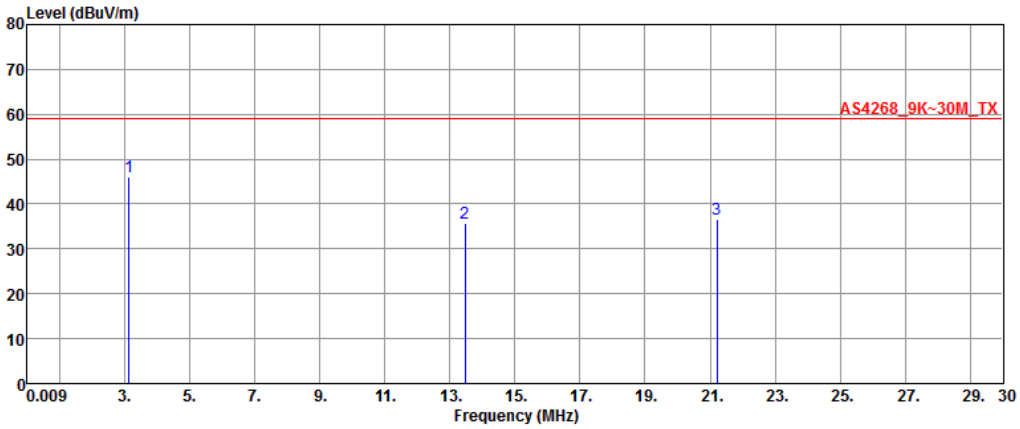
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	2.98	46.81	59.00	-12.19	19.54	27.27
2	12.91	35.31	59.00	-23.69	21.69	13.62
3	20.97	36.07	59.00	-22.93	22.53	13.54

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

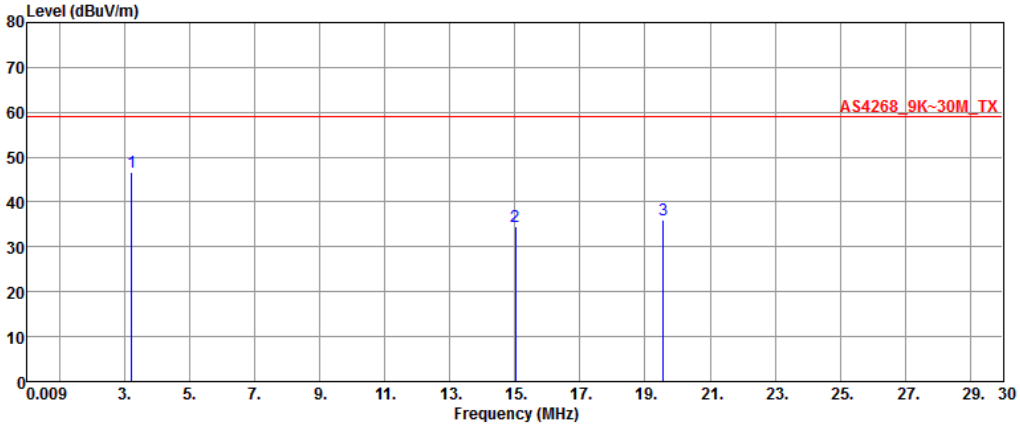
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	46.04	59.00	-12.96	19.61	26.43
2	13.47	35.58	59.00	-23.42	21.78	13.80
3	21.21	36.48	59.00	-22.52	22.54	13.94

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

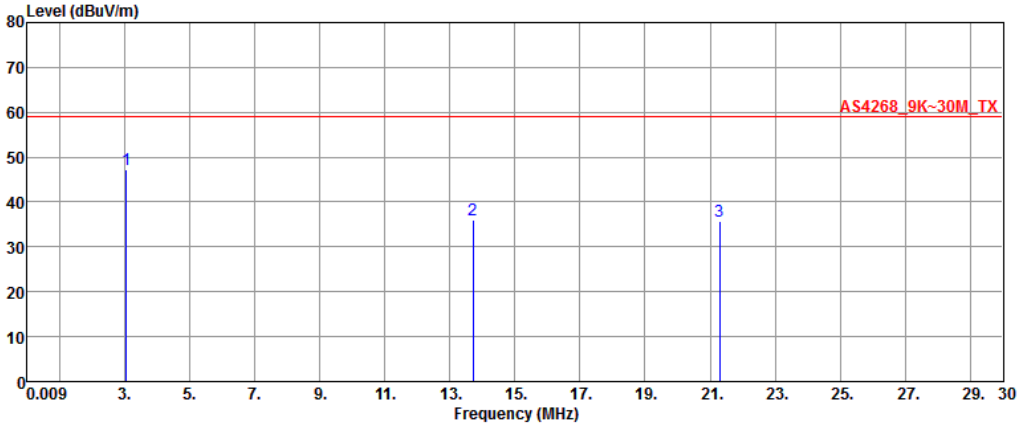
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.22	46.74	59.00	-12.26	19.67	27.07
2	15.00	34.51	59.00	-24.49	21.97	12.54
3	19.56	35.91	59.00	-23.09	22.47	13.44

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

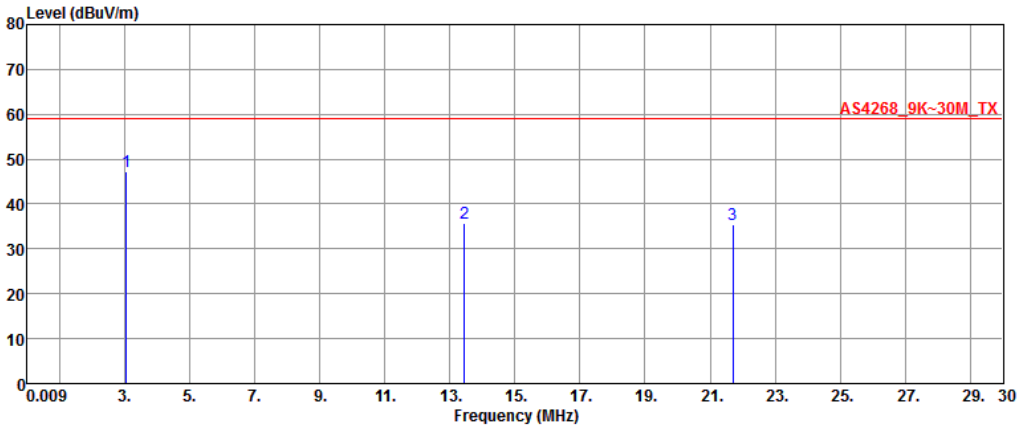
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.25	59.00	-11.75	19.55	27.70
2	13.71	36.07	59.00	-22.93	21.81	14.26
3	21.30	35.61	59.00	-23.39	22.54	13.07

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

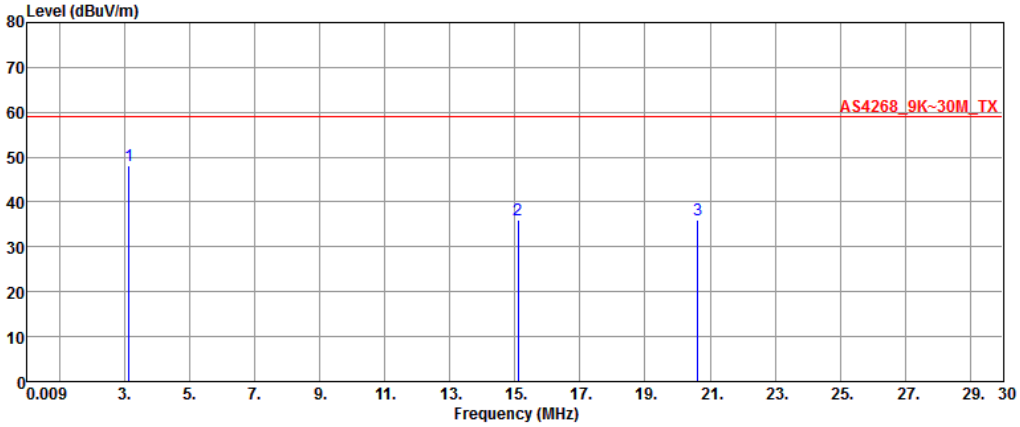
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.32	59.00	-11.68	19.55	27.77
2	13.44	35.79	59.00	-23.21	21.77	14.02
3	21.69	35.48	59.00	-23.52	22.55	12.93

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755

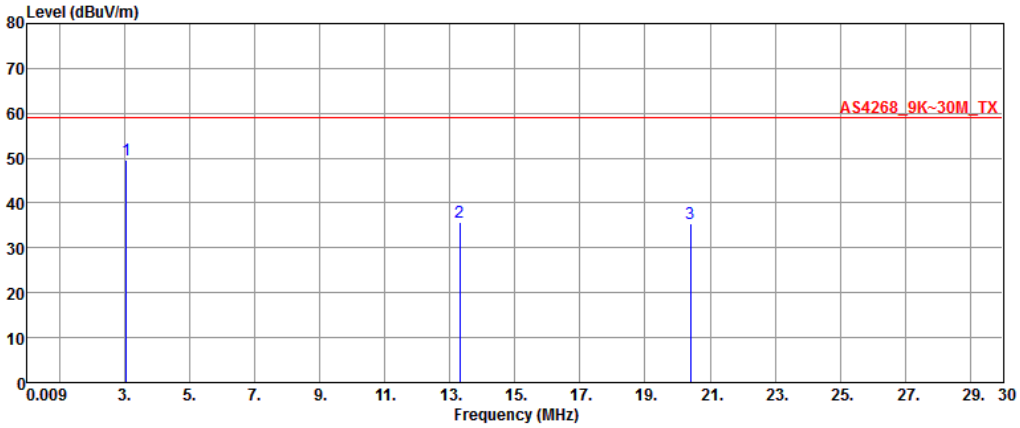


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	48.04	59.00	-10.96	19.61	28.43
2	15.09	36.11	59.00	-22.89	21.98	14.13
3	20.61	36.08	59.00	-22.92	22.52	13.56

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Test Configuration 4

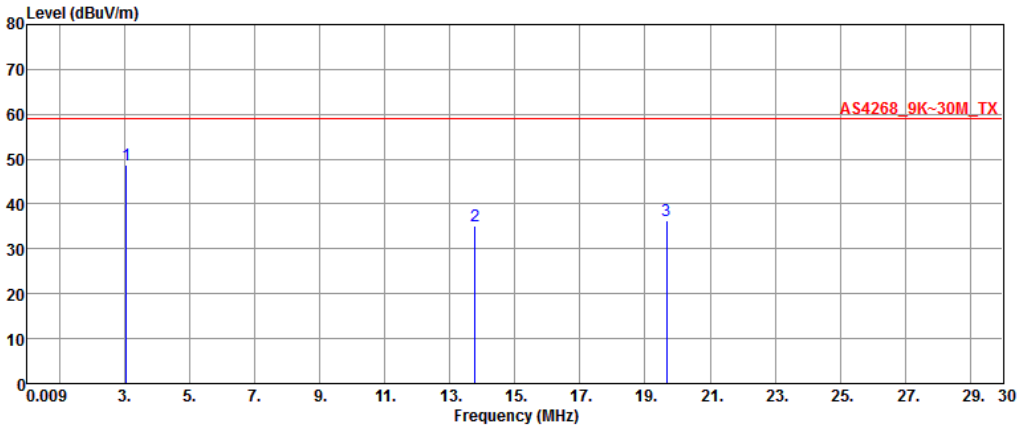
Modulation	11a	**Test Freq. (MHz)**	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	49.49	59.00	-9.51	19.55	29.94
2	13.30	35.62	59.00	-23.38	21.75	13.87
3	20.40	35.45	59.00	-23.55	22.52	12.93

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

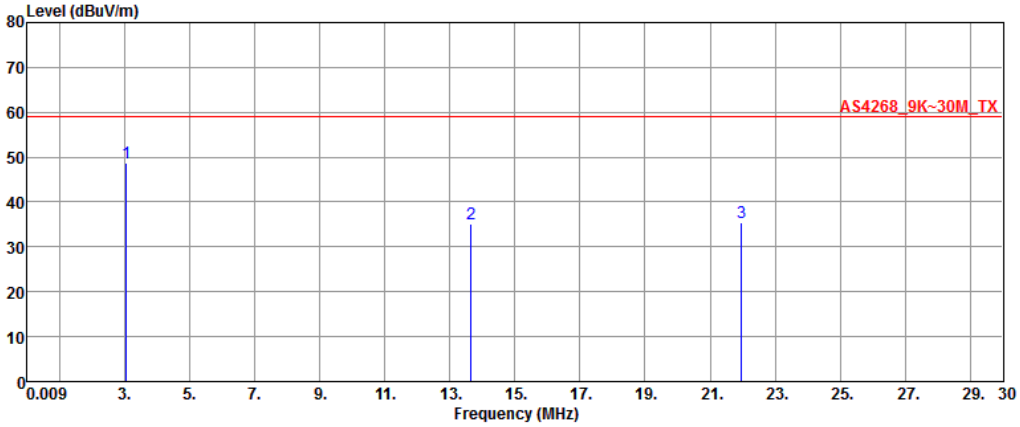
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.64	59.00	-10.36	19.55	29.09
2	13.77	35.16	59.00	-23.84	21.81	13.35
3	19.65	36.22	59.00	-22.78	22.48	13.74

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

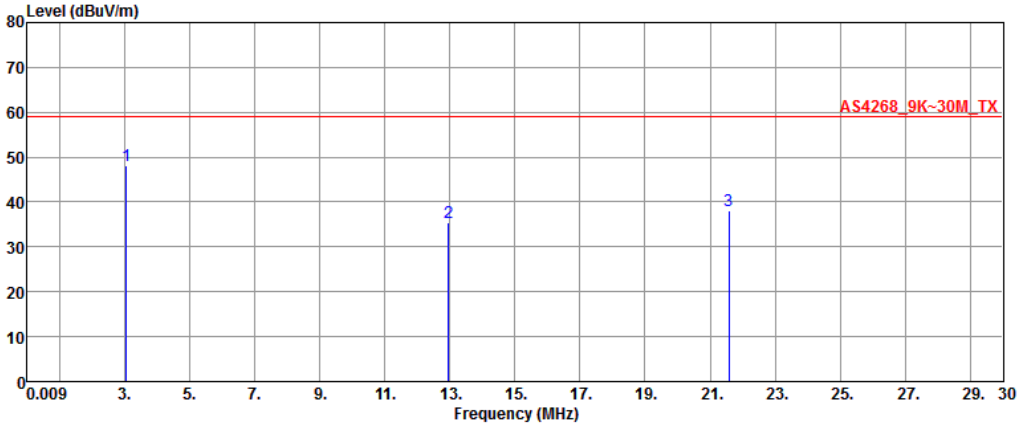
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.65	59.00	-10.35	19.55	29.10
2	13.65	35.25	59.00	-23.75	21.80	13.45
3	21.96	35.43	59.00	-23.57	22.56	12.87

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

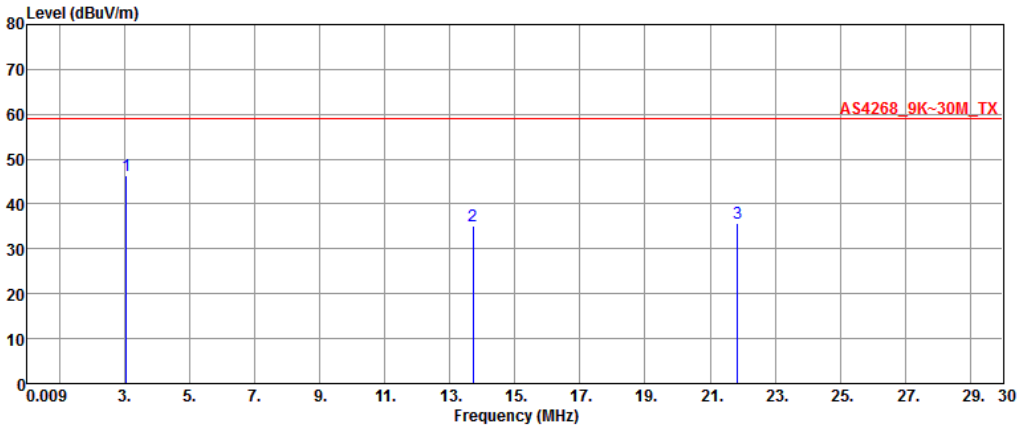
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.16	59.00	-10.84	19.55	28.61
2	12.97	35.34	59.00	-23.66	21.70	13.64
3	21.57	38.04	59.00	-20.96	22.55	15.49

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

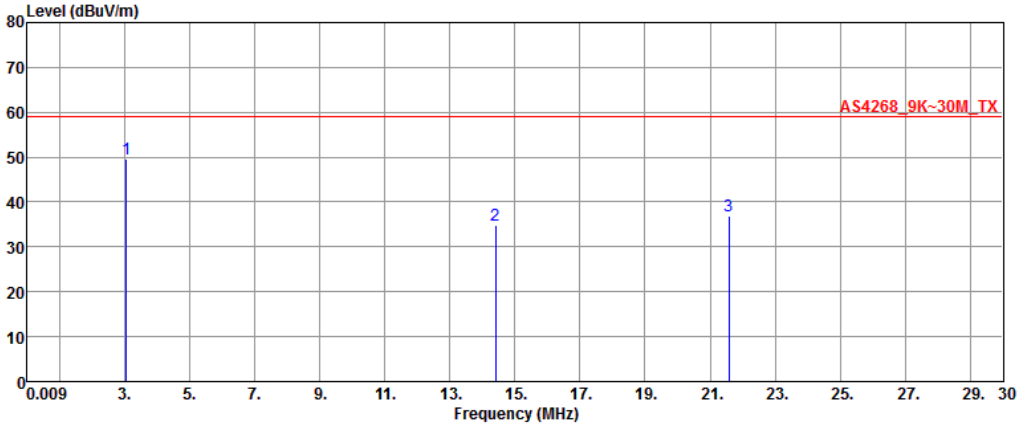
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	46.21	59.00	-12.79	19.55	26.66
2	13.71	35.18	59.00	-23.82	21.81	13.37
3	21.84	35.76	59.00	-23.24	22.55	13.21

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

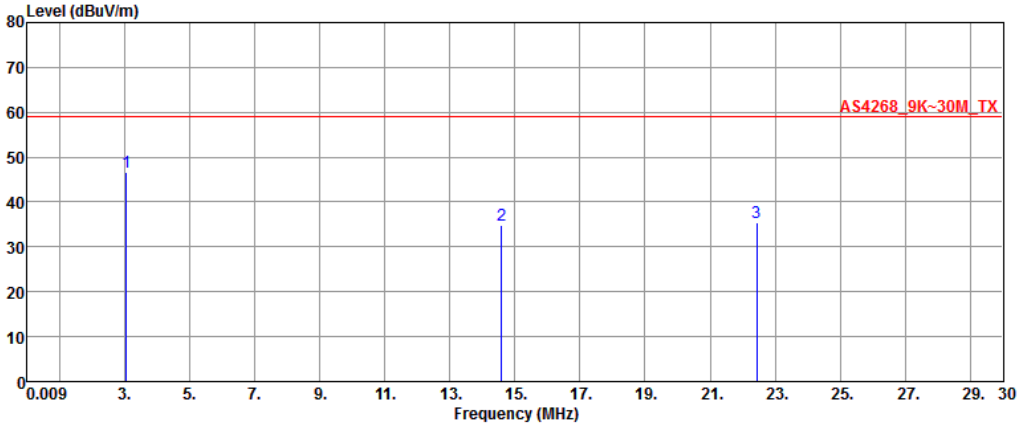
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	49.61	59.00	-9.39	19.55	30.06
2	14.40	34.74	59.00	-24.26	21.90	12.84
3	21.57	36.81	59.00	-22.19	22.55	14.26

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

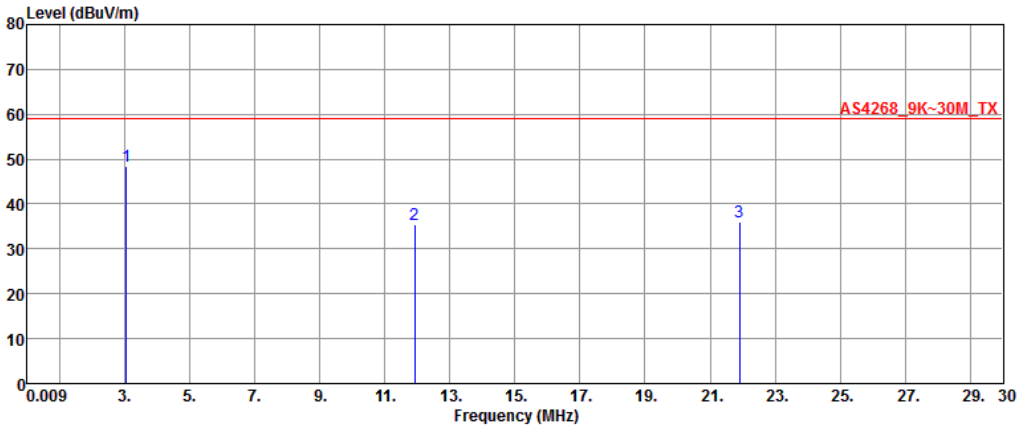
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	46.74	59.00	-12.26	19.55	27.19
2	14.58	34.76	59.00	-24.24	21.92	12.84
3	22.44	35.50	59.00	-23.50	22.58	12.92

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

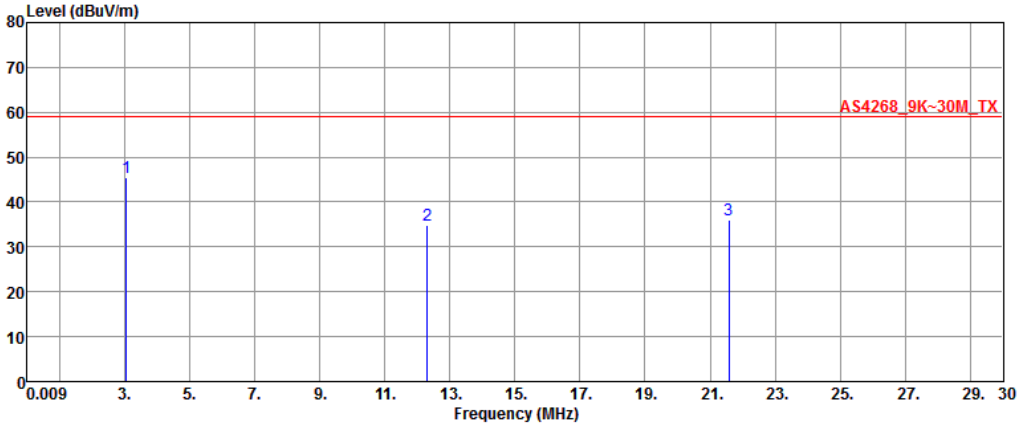
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.48	59.00	-10.52	19.55	28.93
2	11.92	35.29	59.00	-23.71	21.54	13.75
3	21.90	36.16	59.00	-22.84	22.55	13.61

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755



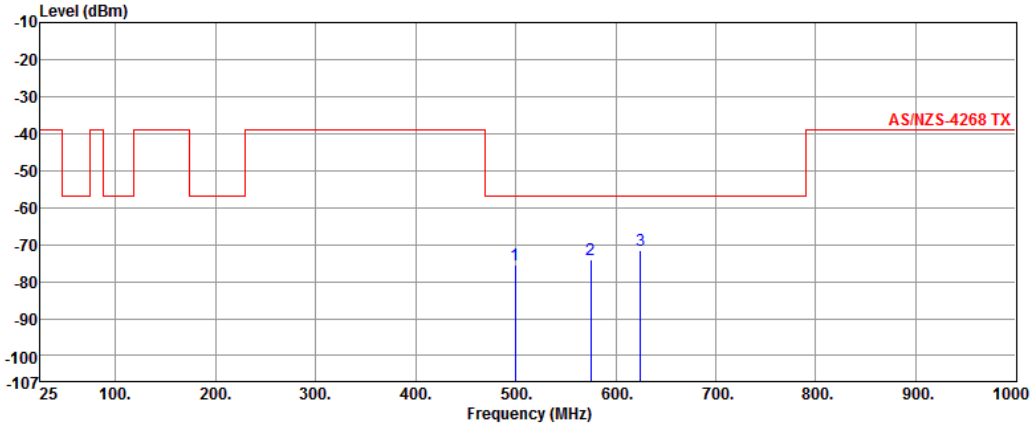
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	45.47	59.00	-13.53	19.55	25.92
2	12.31	34.71	59.00	-24.29	21.61	13.10
3	21.57	35.89	59.00	-23.11	22.55	13.34

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Main Port

3.5.5 Transmitter Conducted Unwanted Emissions (Below 1GHz)

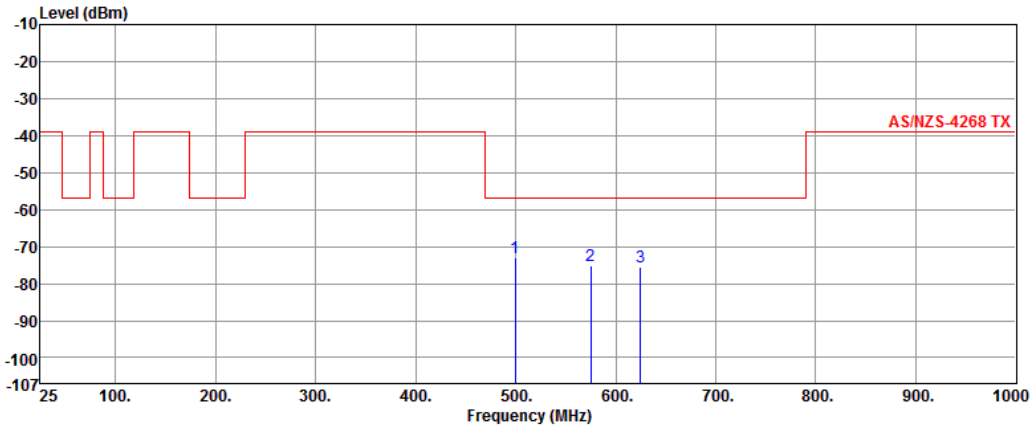
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-75.65	-57.01	-18.64	0.00	-75.65
2	574.90	-74.21	-57.01	-17.20	0.00	-74.21
3	624.63	-71.40	-57.01	-14.39	0.00	-71.40

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

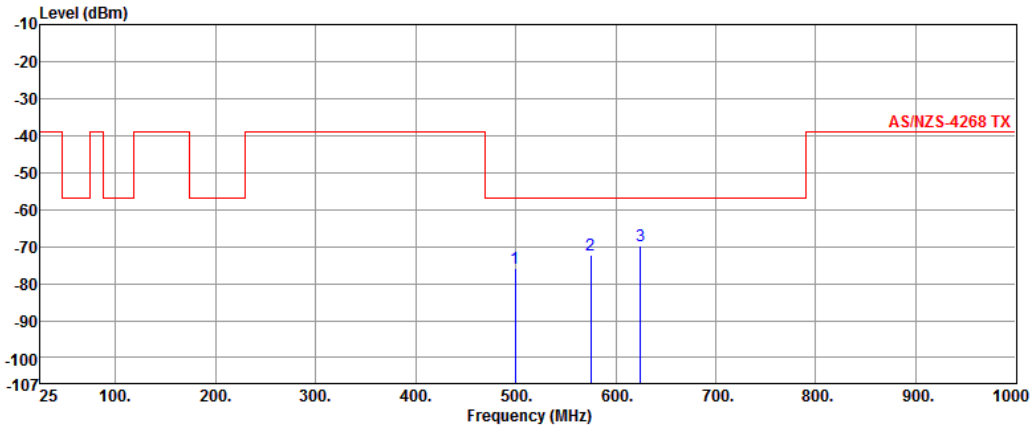
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-73.16	-57.01	-16.15	0.00	-73.16
2	574.90	-75.32	-57.01	-18.31	0.00	-75.32
3	624.63	-75.50	-57.01	-18.49	0.00	-75.50

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

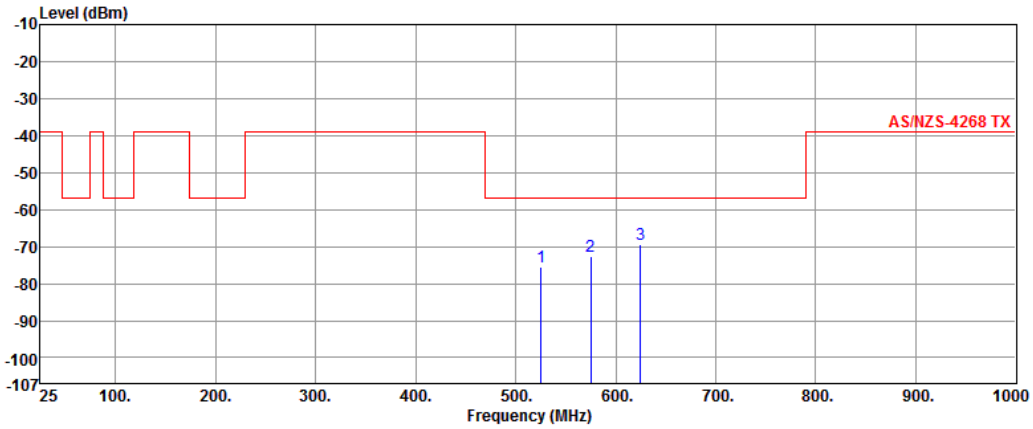
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-75.74	-57.01	-18.73	0.00	-75.74
2	574.90	-72.18	-57.01	-15.17	0.00	-72.18
3	624.63	-69.70	-57.01	-12.69	0.00	-69.70

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

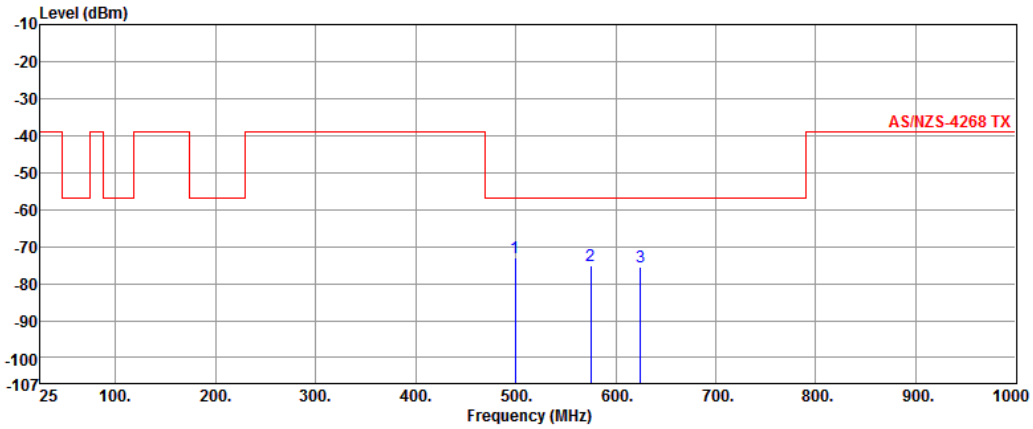
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	525.18	-75.61	-57.01	-18.60	0.00	-75.61
2	574.90	-72.79	-57.01	-15.78	0.00	-72.79
3	624.63	-69.37	-57.01	-12.36	0.00	-69.37

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

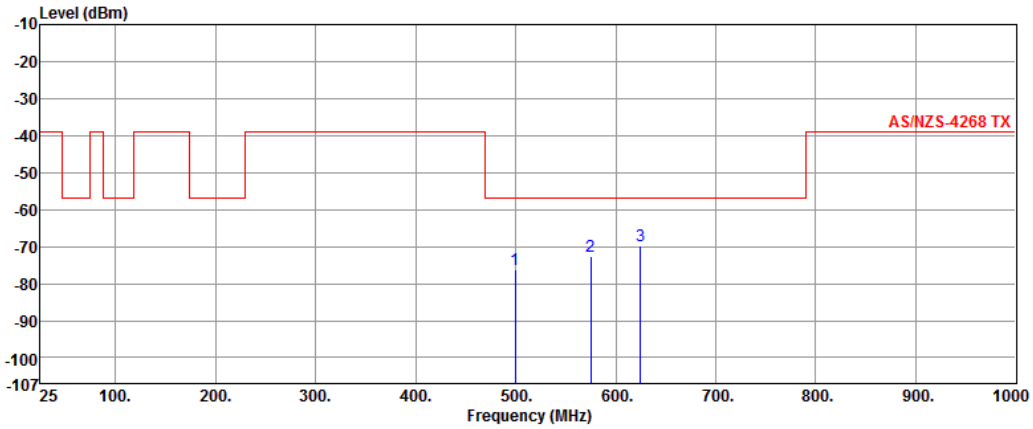
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-73.17	-57.01	-16.16	0.00	-73.17
2	574.90	-75.20	-57.01	-18.19	0.00	-75.20
3	624.63	-75.65	-57.01	-18.64	0.00	-75.65

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

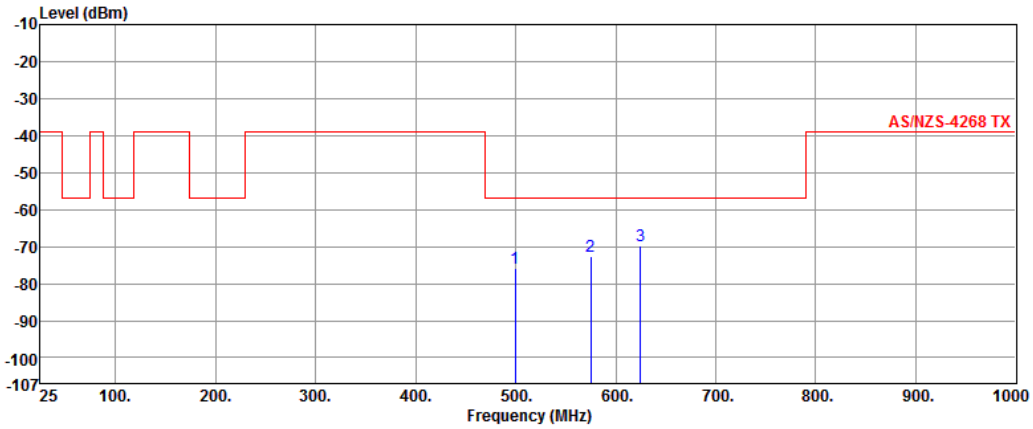
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.06	-57.01	-19.05	0.00	-76.06
2	574.90	-72.57	-57.01	-15.56	0.00	-72.57
3	624.63	-69.93	-57.01	-12.92	0.00	-69.93

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

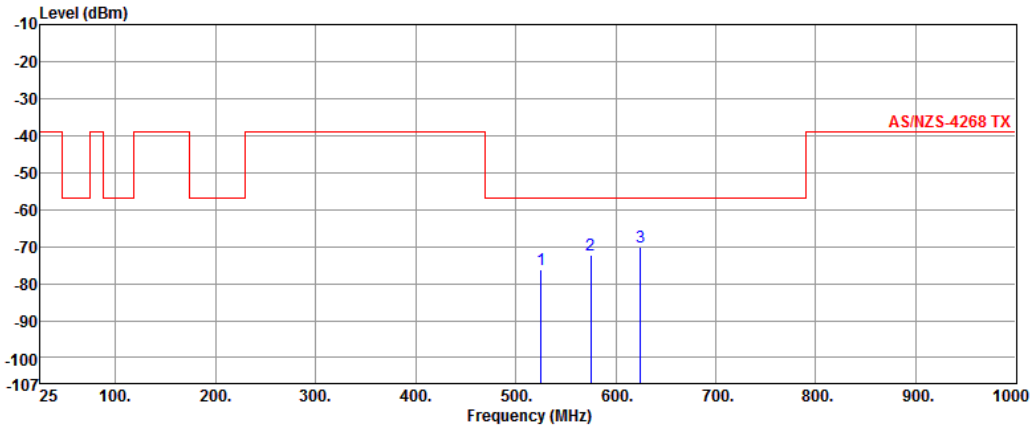
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.00	-57.01	-18.99	0.00	-76.00
2	574.90	-72.61	-57.01	-15.60	0.00	-72.61
3	624.63	-69.93	-57.01	-12.92	0.00	-69.93

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

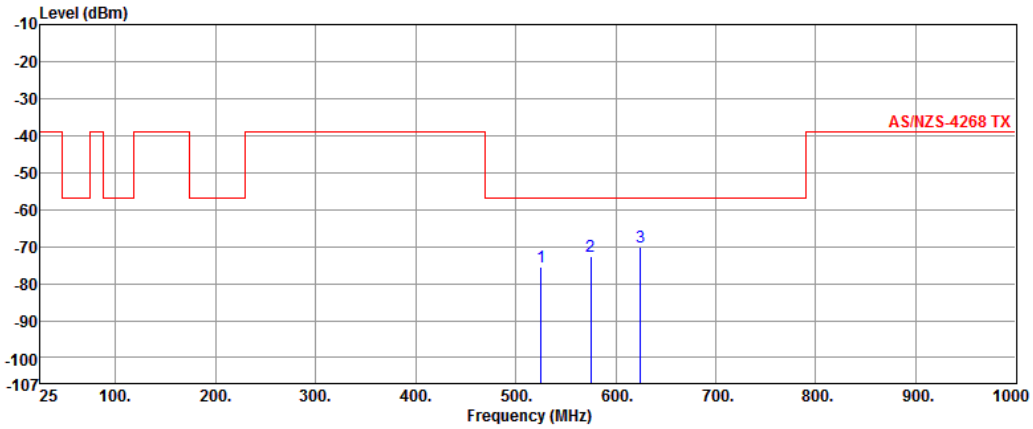
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	525.18	-76.06	-57.01	-19.05	0.00	-76.06
2	574.90	-72.38	-57.01	-15.37	0.00	-72.38
3	624.63	-70.01	-57.01	-13.00	0.00	-70.01

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775

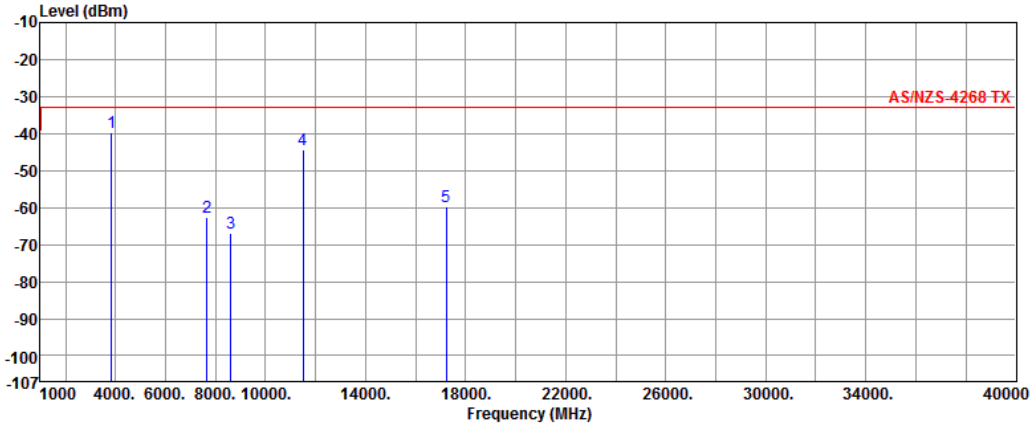


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	525.18	-75.54	-57.01	-18.53	0.00	-75.54
2	574.90	-72.68	-57.01	-15.67	0.00	-72.68
3	624.63	-70.05	-57.01	-13.04	0.00	-70.05

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

3.5.6 Transmitter Conducted Unwanted Emissions (Above 1GHz)

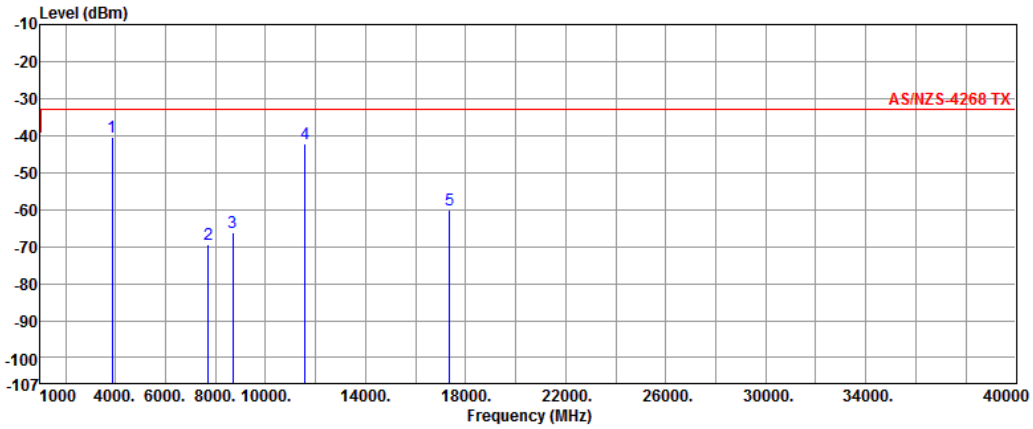
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.65	-39.67	-33.01	-6.66	0.00	-39.67
2	7659.84	-62.61	-33.01	-29.60	0.00	-62.61
3	8617.80	-66.92	-33.01	-33.91	0.00	-66.92
4	11490.30	-44.31	-33.01	-11.30	0.00	-44.31
5	17235.10	-59.78	-33.01	-26.77	0.00	-59.78

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

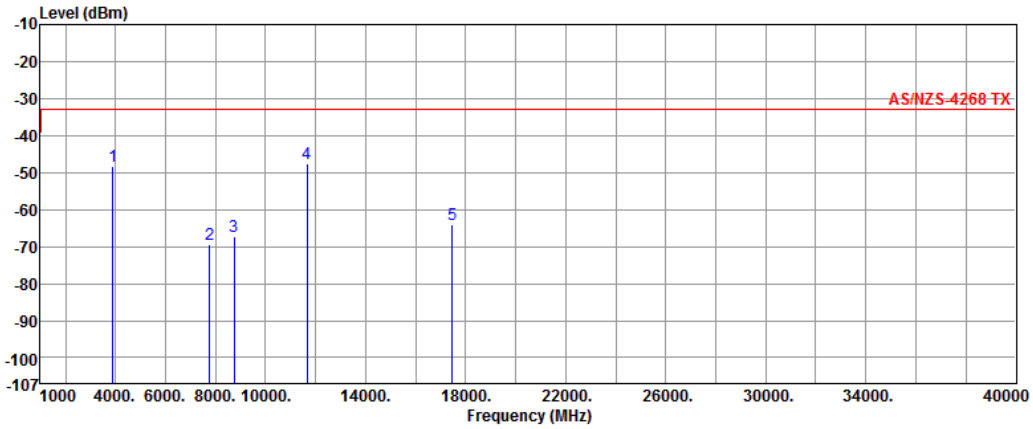
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.65	-40.47	-33.01	-7.46	0.00	-40.47
2	7713.32	-69.25	-33.01	-36.24	0.00	-69.25
3	8677.90	-66.08	-33.01	-33.07	0.00	-66.08
4	11570.75	-42.14	-33.01	-9.13	0.00	-42.14
5	17355.25	-60.28	-33.01	-27.27	0.00	-60.28

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

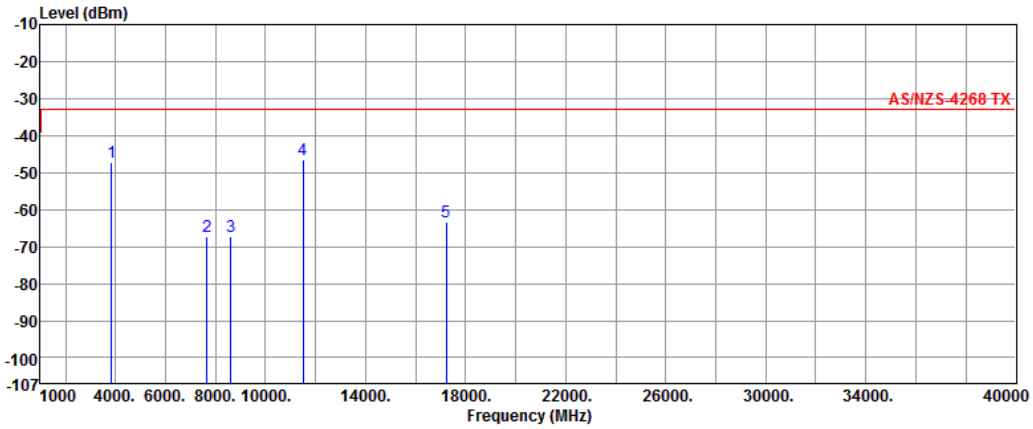
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.52	-48.30	-33.01	-15.29	0.00	-48.30
2	7767.18	-69.26	-33.01	-36.25	0.00	-69.26
3	8737.20	-67.13	-33.01	-34.12	0.00	-67.13
4	11650.05	-47.55	-33.01	-14.54	0.00	-47.55
5	17475.15	-64.10	-33.01	-31.09	0.00	-64.10

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

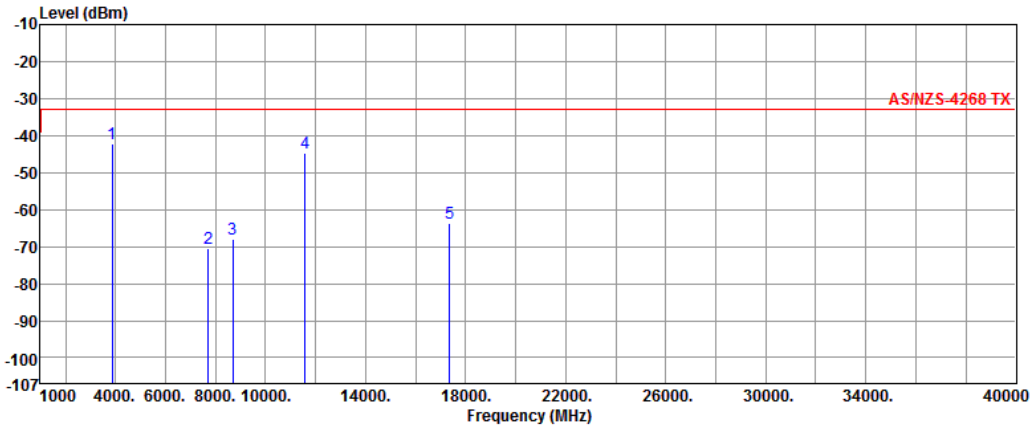
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.35	-47.09	-33.01	-14.08	0.00	-47.09
2	7660.59	-67.28	-33.01	-34.27	0.00	-67.28
3	8617.90	-67.32	-33.01	-34.31	0.00	-67.32
4	11490.10	-46.52	-33.01	-13.51	0.00	-46.52
5	17235.35	-63.30	-33.01	-30.29	0.00	-63.30

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

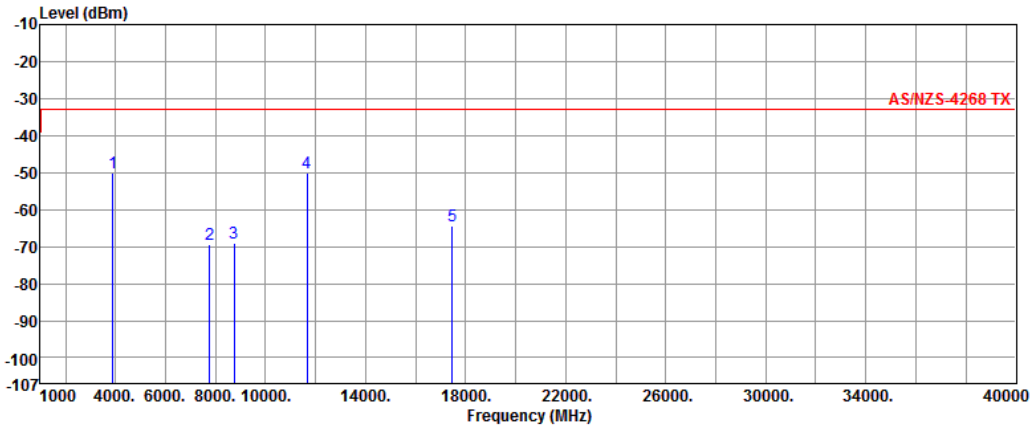
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.34	-42.18	-33.01	-9.17	0.00	-42.18
2	7713.76	-70.39	-33.01	-37.38	0.00	-70.39
3	8677.55	-68.05	-33.01	-35.04	0.00	-68.05
4	11570.95	-44.71	-33.01	-11.70	0.00	-44.71
5	17355.15	-63.65	-33.01	-30.64	0.00	-63.65

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

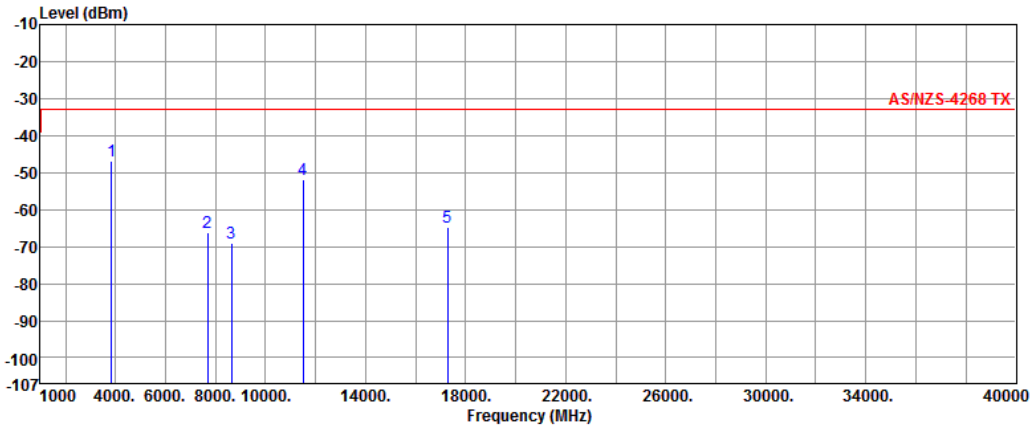
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.13	-50.08	-33.01	-17.07	0.00	-50.08
2	7766.36	-69.59	-33.01	-36.58	0.00	-69.59
3	8737.35	-69.22	-33.01	-36.21	0.00	-69.22
4	11650.70	-50.08	-33.01	-17.07	0.00	-50.08
5	17475.65	-64.45	-33.01	-31.44	0.00	-64.45

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

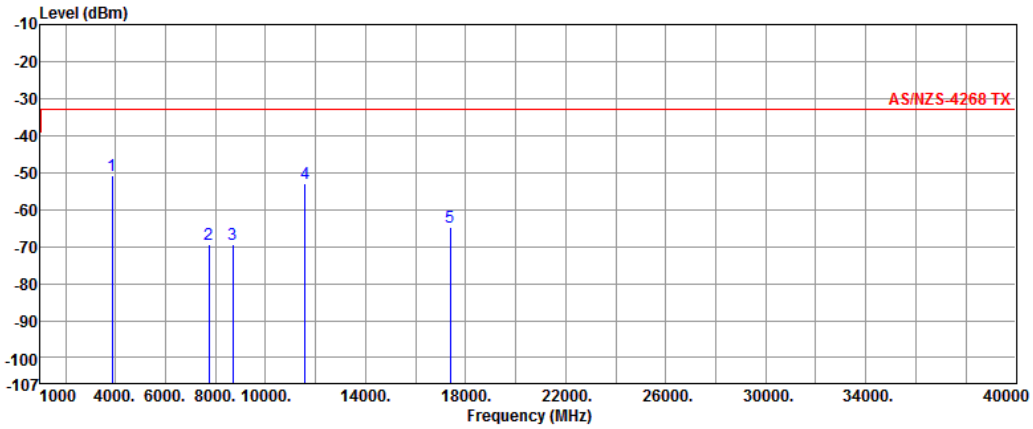
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3836.76	-46.87	-33.01	-13.86	0.00	-46.87
2	7673.59	-66.34	-33.01	-33.33	0.00	-66.34
3	8632.10	-69.16	-33.01	-36.15	0.00	-69.16
4	11510.10	-51.93	-33.01	-18.92	0.00	-51.93
5	17265.80	-64.93	-33.01	-31.92	0.00	-64.93

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

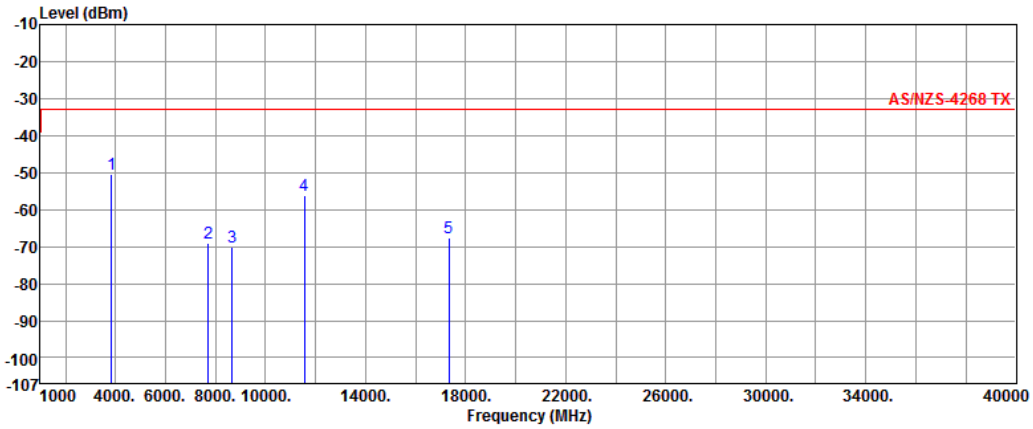
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3863.73	-50.74	-33.01	-17.73	0.00	-50.74
2	7726.79	-69.29	-33.01	-36.28	0.00	-69.29
3	8692.50	-69.25	-33.01	-36.24	0.00	-69.25
4	11590.00	-52.78	-33.01	-19.77	0.00	-52.78
5	17385.00	-64.90	-33.01	-31.89	0.00	-64.90

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775



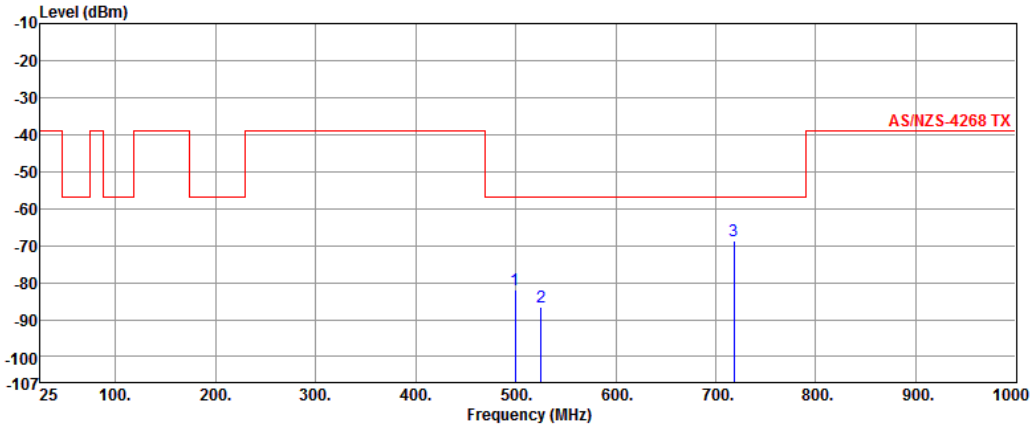
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3850.30	-50.47	-33.01	-17.46	0.00	-50.47
2	7700.05	-69.06	-33.01	-36.05	0.00	-69.06
3	8662.50	-70.19	-33.01	-37.18	0.00	-70.19
4	11550.20	-56.09	-33.01	-23.08	0.00	-56.09
5	17325.80	-67.77	-33.01	-34.76	0.00	-67.77

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Aux Port

3.5.7 Transmitter Conducted Unwanted Emissions (Below 1GHz)

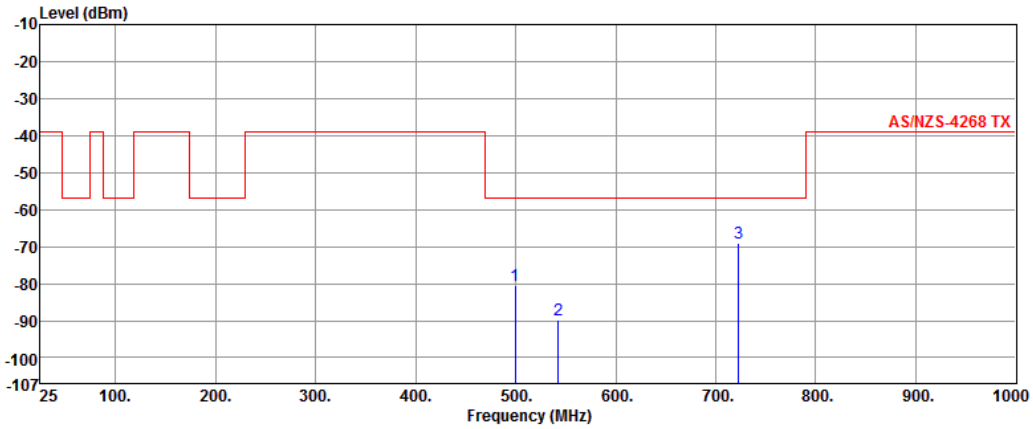
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-81.99	-57.01	-24.98	0.00	-81.99
2	525.18	-86.57	-57.01	-29.56	0.00	-86.57
3	718.23	-68.57	-57.01	-11.56	0.00	-68.57

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

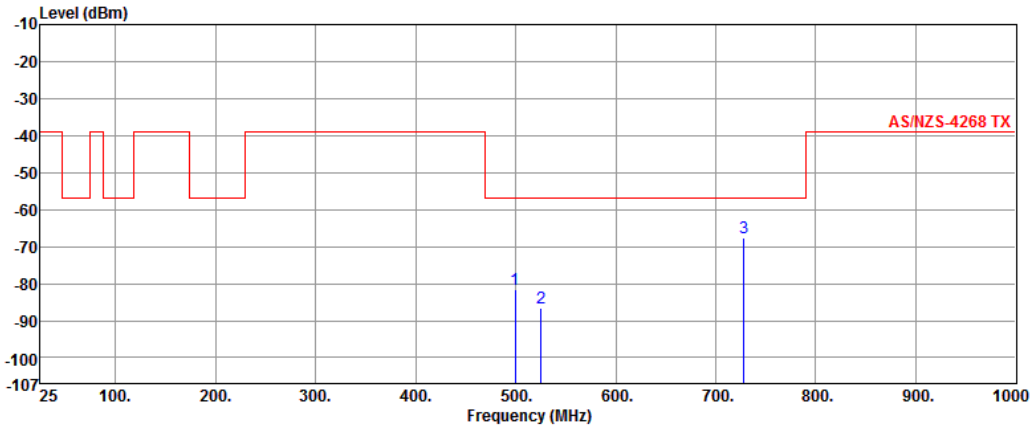
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-80.57	-57.01	-23.56	0.00	-80.57
2	542.73	-89.87	-57.01	-32.86	0.00	-89.87
3	723.10	-69.07	-57.01	-12.06	0.00	-69.07

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

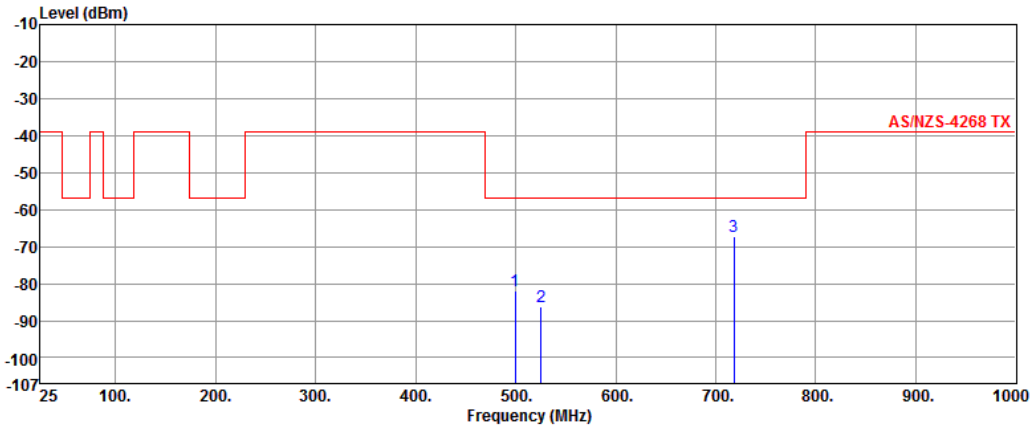
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-81.60	-57.01	-24.59	0.00	-81.60
2	525.18	-86.47	-57.01	-29.46	0.00	-86.47
3	727.98	-67.67	-57.01	-10.66	0.00	-67.67

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

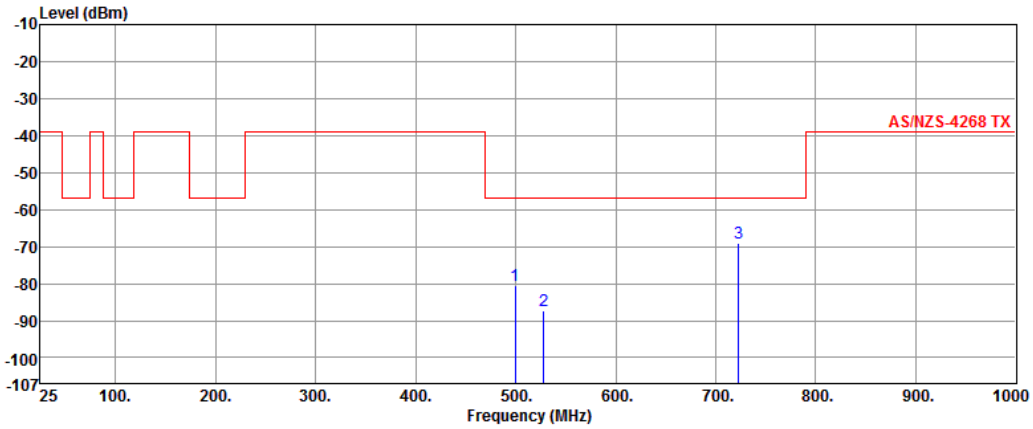
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-81.91	-57.01	-24.90	0.00	-81.91
2	525.18	-86.07	-57.01	-29.06	0.00	-86.07
3	718.23	-67.16	-57.01	-10.15	0.00	-67.16

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

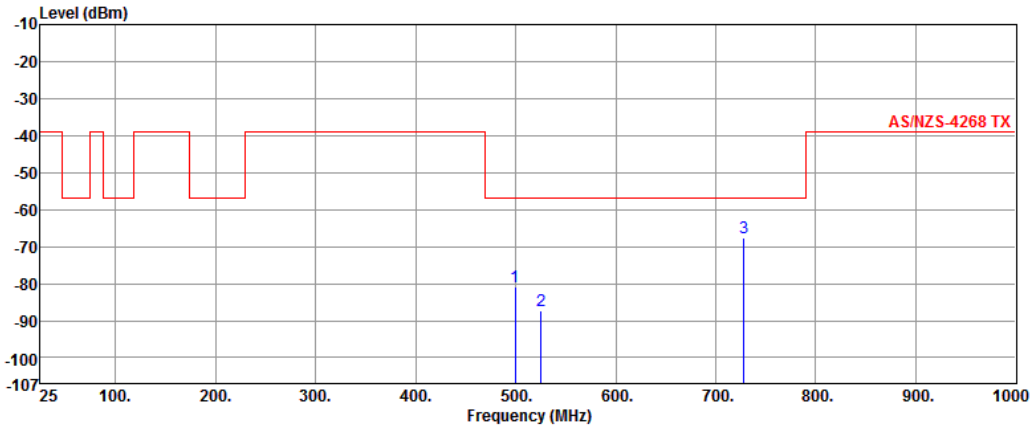
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-80.46	-57.01	-23.45	0.00	-80.46
2	528.10	-87.31	-57.01	-30.30	0.00	-87.31
3	723.10	-69.05	-57.01	-12.04	0.00	-69.05

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

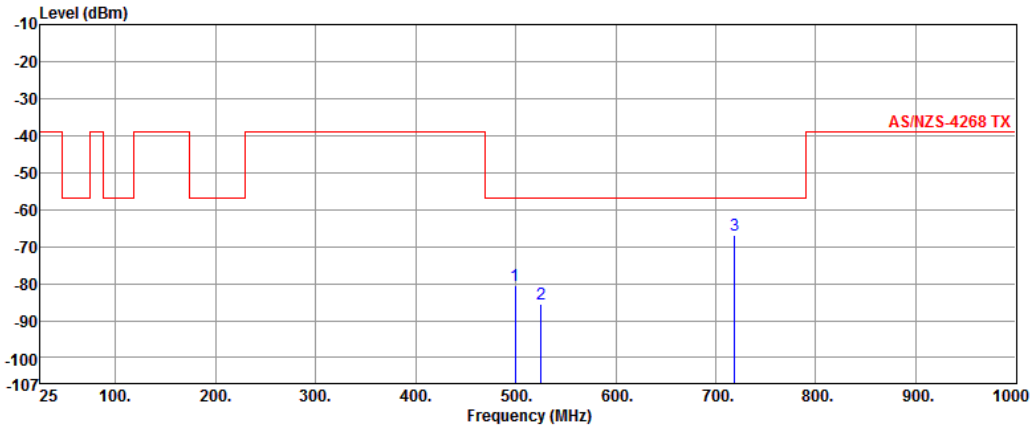
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-80.93	-57.01	-23.92	0.00	-80.93
2	525.18	-87.48	-57.01	-30.47	0.00	-87.48
3	727.98	-67.49	-57.01	-10.48	0.00	-67.49

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

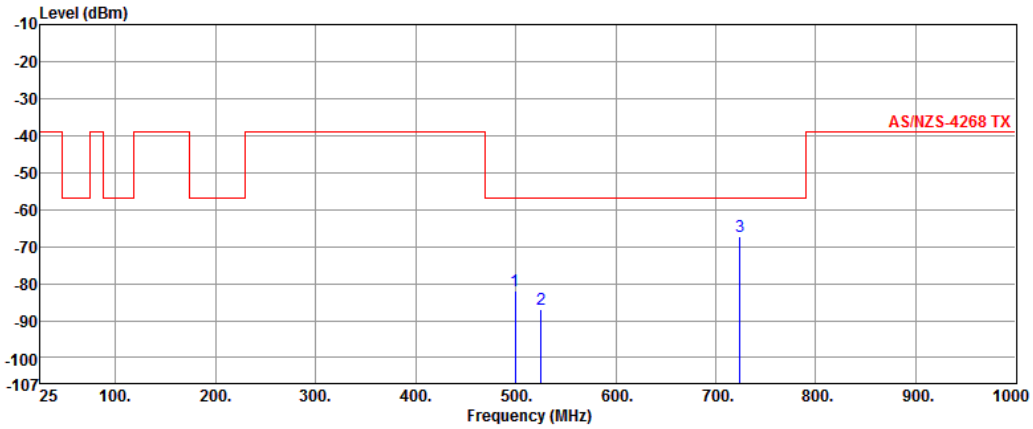
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-80.33	-57.01	-23.32	0.00	-80.33
2	525.18	-85.62	-57.01	-28.61	0.00	-85.62
3	719.20	-67.04	-57.01	-10.03	0.00	-67.04

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

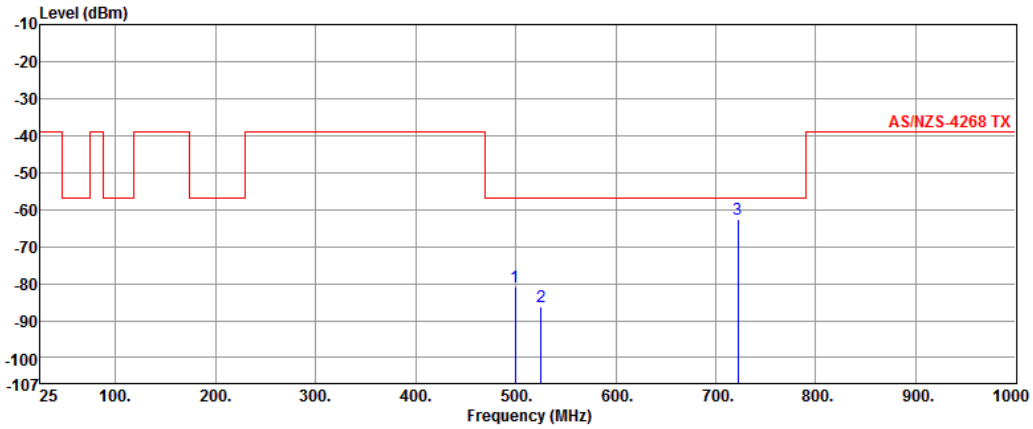
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-81.86	-57.01	-24.85	0.00	-81.86
2	525.18	-87.10	-57.01	-30.09	0.00	-87.10
3	724.08	-67.16	-57.01	-10.15	0.00	-67.16

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775

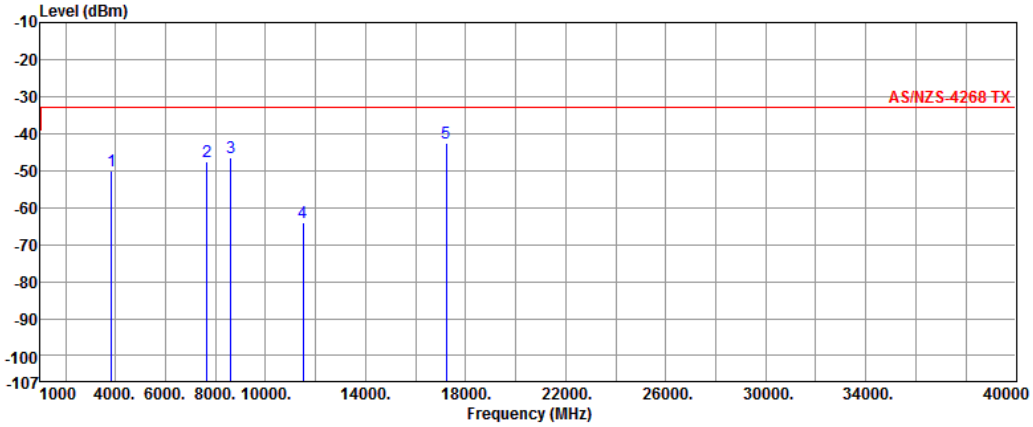


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-80.95	-57.01	-23.94	0.00	-80.95
2	525.18	-86.25	-57.01	-29.24	0.00	-86.25
3	722.13	-62.51	-57.01	-5.50	0.00	-62.51

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

3.5.8 Transmitter Conducted Unwanted Emissions (Above 1GHz)

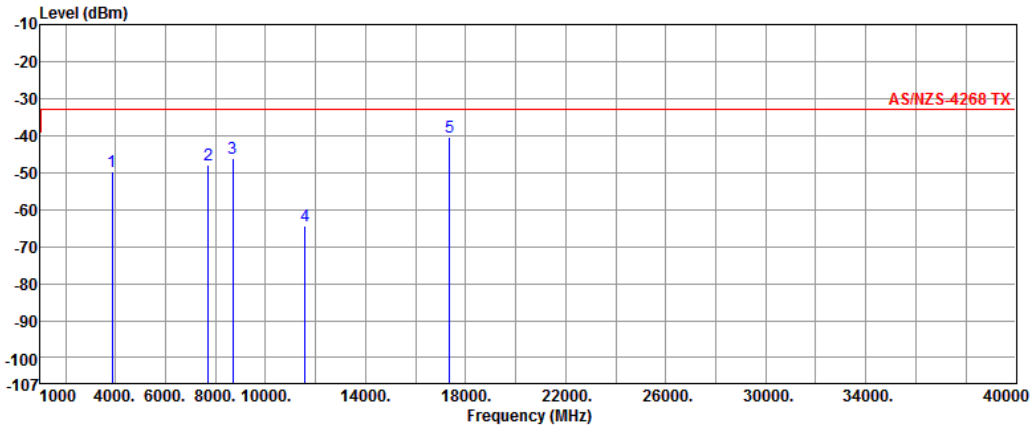
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3829.62	-49.98	-33.01	-16.97	0.00	-49.98
2	7660.11	-47.56	-33.01	-14.55	0.00	-47.56
3	8617.75	-46.56	-33.01	-13.55	0.00	-46.56
4	11490.50	-64.02	-33.01	-31.01	0.00	-64.02
5	17235.95	-42.73	-33.01	-9.72	0.00	-42.73

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

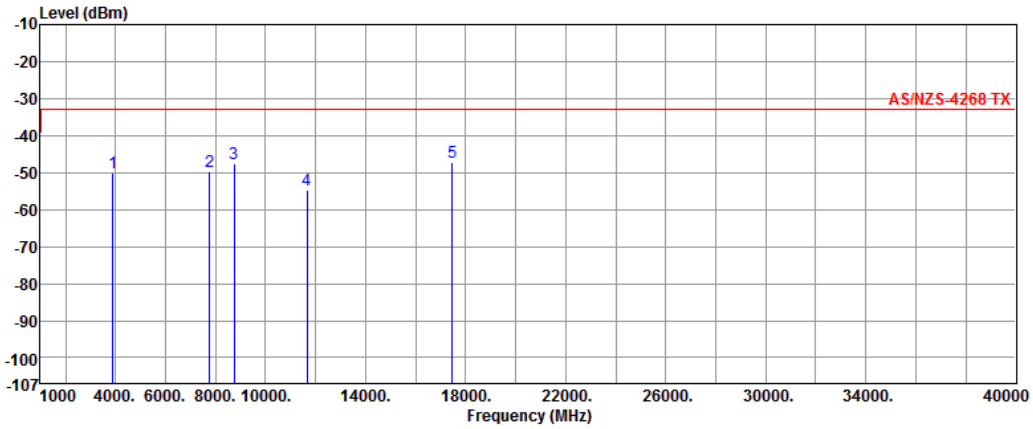
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.34	-49.68	-33.01	-16.67	0.00	-49.68
2	7713.66	-47.94	-33.01	-14.93	0.00	-47.94
3	8677.40	-46.16	-33.01	-13.15	0.00	-46.16
4	11570.35	-64.47	-33.01	-31.46	0.00	-64.47
5	17355.95	-40.30	-33.01	-7.29	0.00	-40.30

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

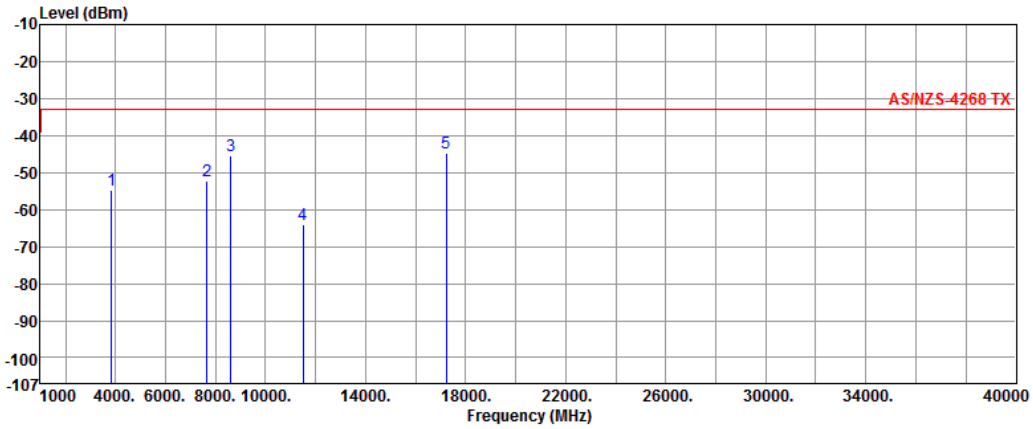
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.33	-49.95	-33.01	-16.94	0.00	-49.95
2	7766.42	-49.73	-33.01	-16.72	0.00	-49.73
3	8737.80	-47.64	-33.01	-14.63	0.00	-47.64
4	11650.45	-54.60	-33.01	-21.59	0.00	-54.60
5	17475.55	-47.16	-33.01	-14.15	0.00	-47.16

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

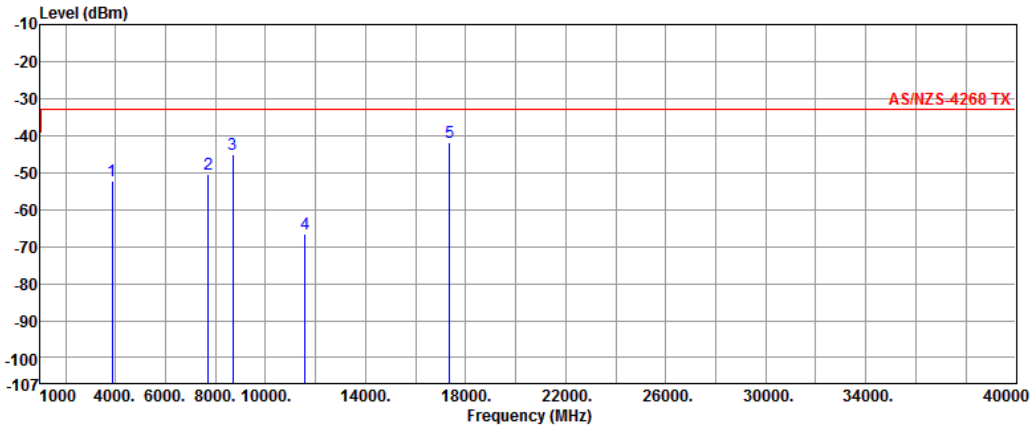
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.05	-54.70	-33.01	-21.69	0.00	-54.70
2	7658.90	-52.38	-33.01	-19.37	0.00	-52.38
3	8617.90	-45.36	-33.01	-12.35	0.00	-45.36
4	11490.20	-64.06	-33.01	-31.05	0.00	-64.06
5	17235.50	-44.65	-33.01	-11.64	0.00	-44.65

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

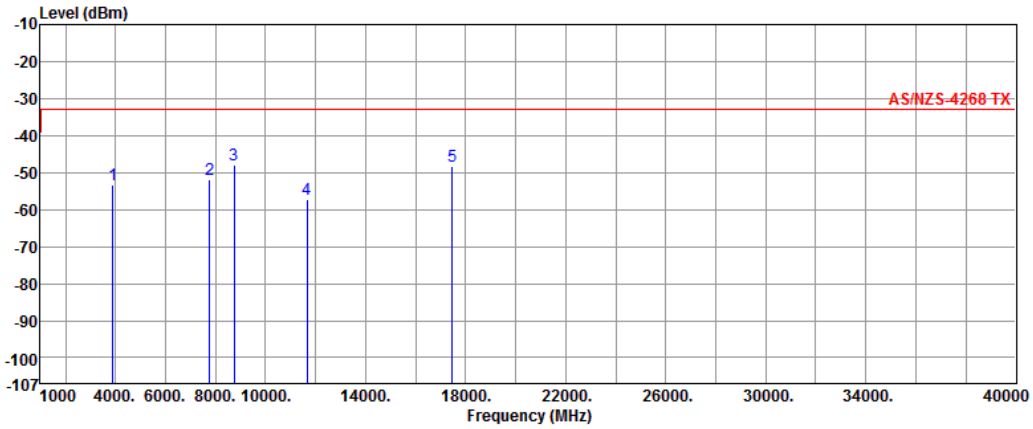
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.58	-52.25	-33.01	-19.24	0.00	-52.25
2	7713.77	-50.27	-33.01	-17.26	0.00	-50.27
3	8677.45	-45.21	-33.01	-12.20	0.00	-45.21
4	11570.25	-66.71	-33.01	-33.70	0.00	-66.71
5	17355.25	-41.79	-33.01	-8.78	0.00	-41.79

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

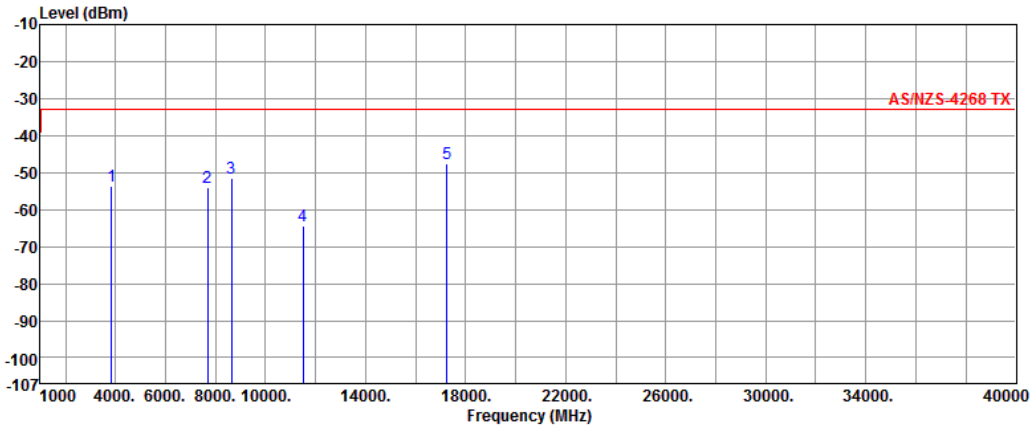
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.73	-53.33	-33.01	-20.32	0.00	-53.33
2	7764.92	-51.96	-33.01	-18.95	0.00	-51.96
3	8735.65	-47.88	-33.01	-14.87	0.00	-47.88
4	11650.60	-57.36	-33.01	-24.35	0.00	-57.36
5	17475.85	-48.43	-33.01	-15.42	0.00	-48.43

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

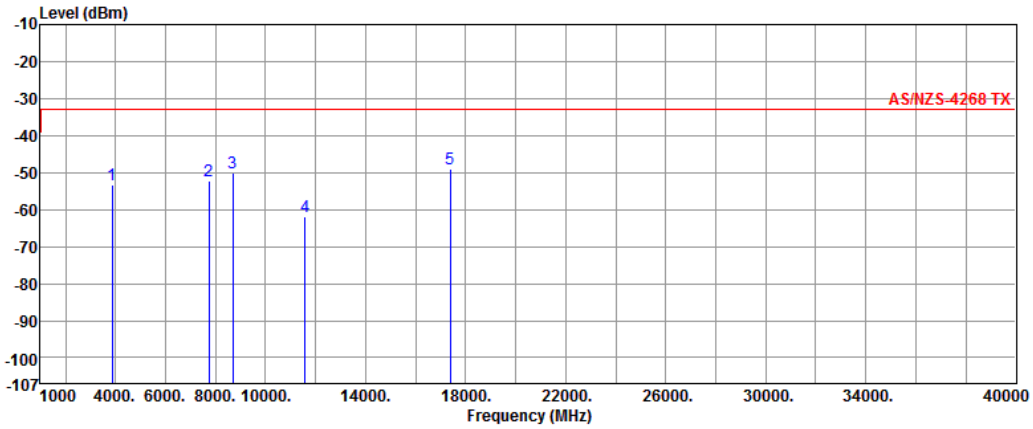
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3836.52	-53.61	-33.01	-20.60	0.00	-53.61
2	7673.96	-53.96	-33.01	-20.95	0.00	-53.96
3	8632.70	-51.59	-33.01	-18.58	0.00	-51.59
4	11510.20	-64.46	-33.01	-31.45	0.00	-64.46
5	17265.40	-47.63	-33.01	-14.62	0.00	-47.63

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

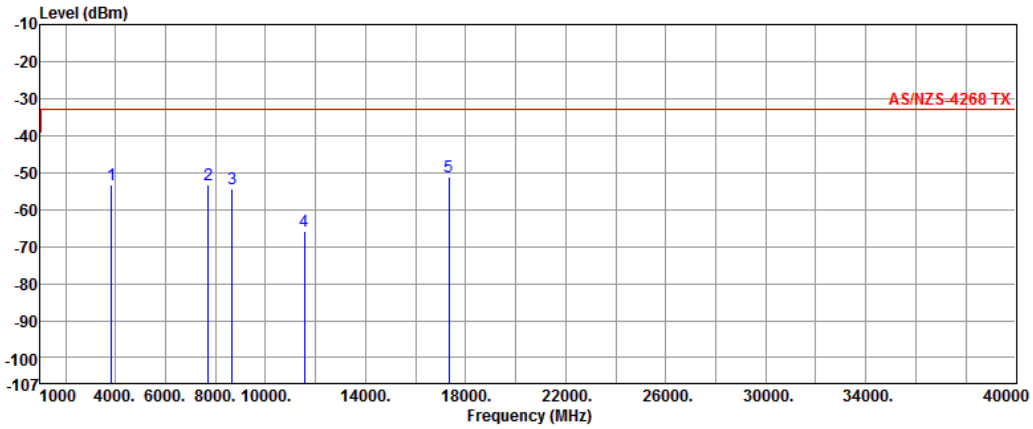
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3863.93	-53.36	-33.01	-20.35	0.00	-53.36
2	7726.29	-52.41	-33.01	-19.40	0.00	-52.41
3	8692.50	-49.97	-33.01	-16.96	0.00	-49.97
4	11590.40	-61.94	-33.01	-28.93	0.00	-61.94
5	17385.80	-48.91	-33.01	-15.90	0.00	-48.91

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775

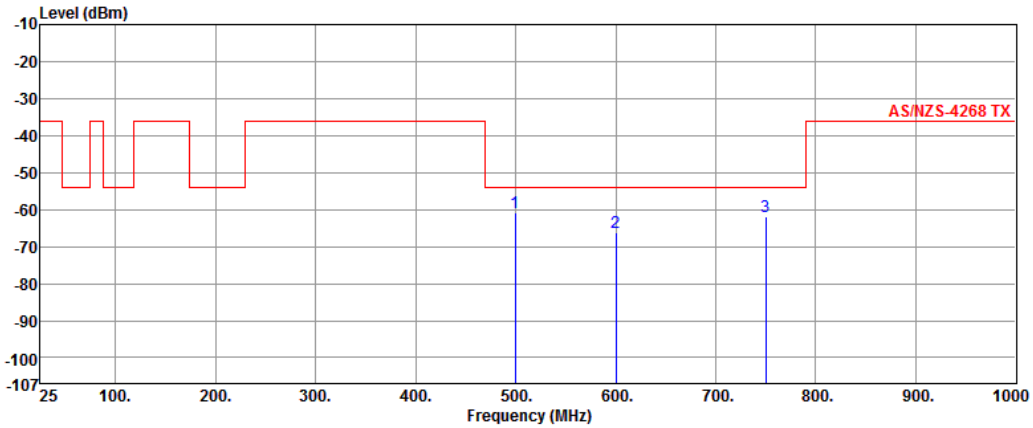


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3850.64	-53.26	-33.01	-20.25	0.00	-53.26
2	7700.19	-53.26	-33.01	-20.25	0.00	-53.26
3	8662.10	-54.46	-33.01	-21.45	0.00	-54.46
4	11550.40	-65.76	-33.01	-32.75	0.00	-65.76
5	17325.20	-51.18	-33.01	-18.17	0.00	-51.18

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

3.5.9 Transmitter Radiated Unwanted Emissions (Below 1GHz)

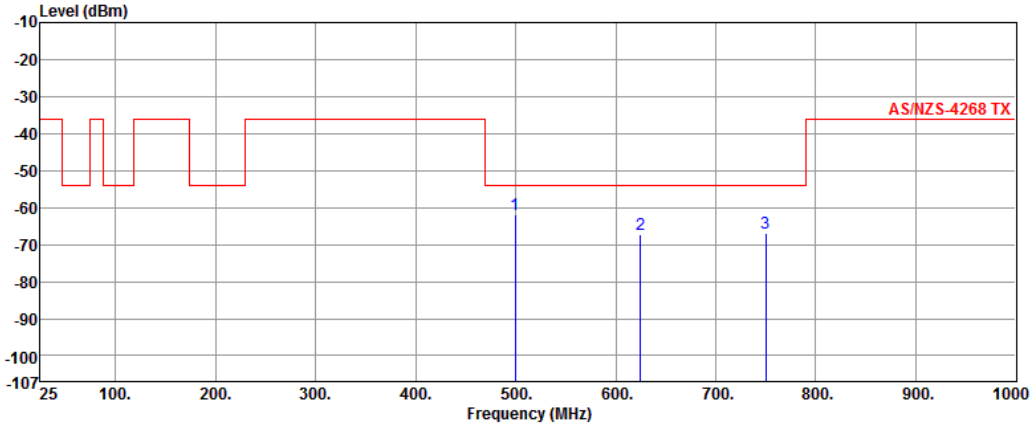
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.70	-54.00	-6.70	5.59	-66.29
2	600.25	-66.07	-54.00	-12.07	7.87	-73.94
3	750.40	-61.89	-54.00	-7.89	10.10	-71.99

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

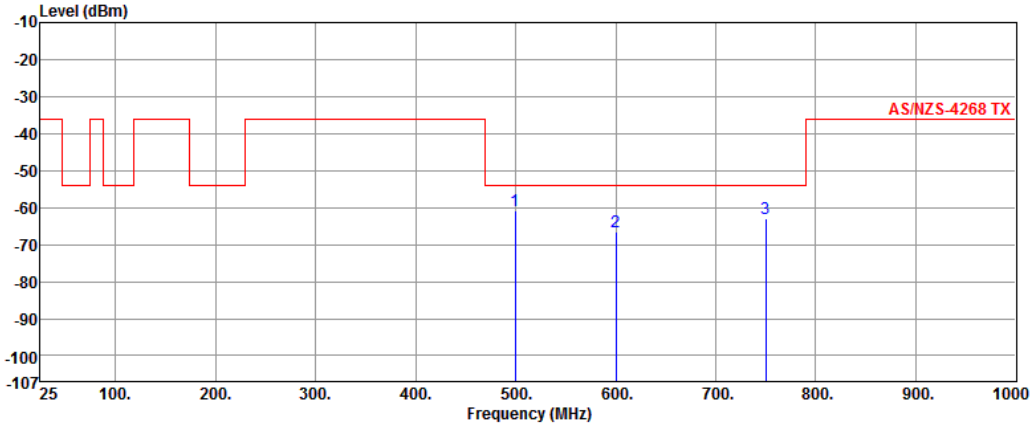
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-62.01	-54.00	-8.01	5.50	-67.51
2	624.63	-67.16	-54.00	-13.16	8.11	-75.27
3	750.40	-67.02	-54.00	-13.02	10.08	-77.10

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

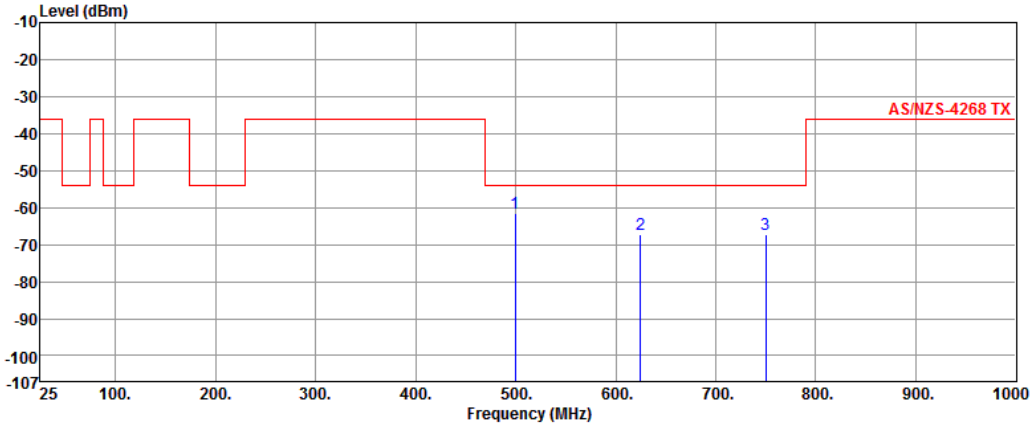
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.95	-54.00	-6.95	5.59	-66.54
2	600.25	-66.51	-54.00	-12.51	7.87	-74.38
3	750.40	-62.90	-54.00	-8.90	10.10	-73.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

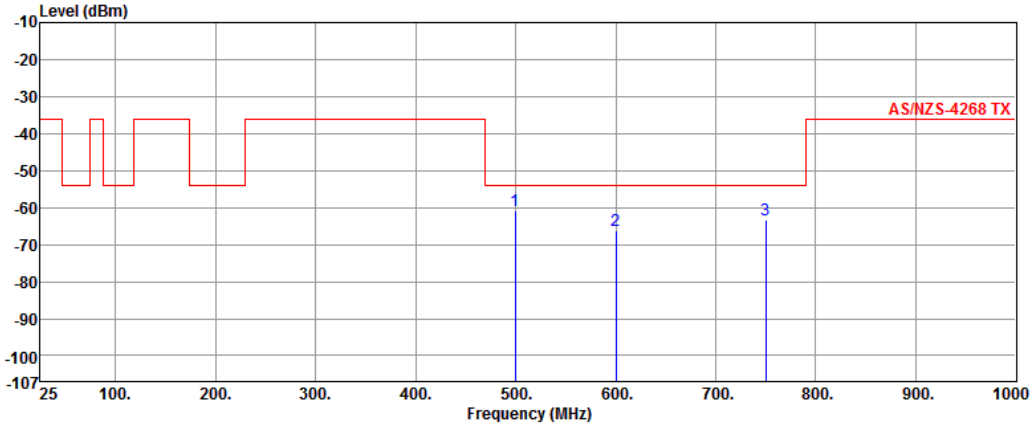
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-61.65	-54.00	-7.65	5.50	-67.15
2	624.63	-67.17	-54.00	-13.17	8.11	-75.28
3	750.40	-67.39	-54.00	-13.39	10.08	-77.47

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

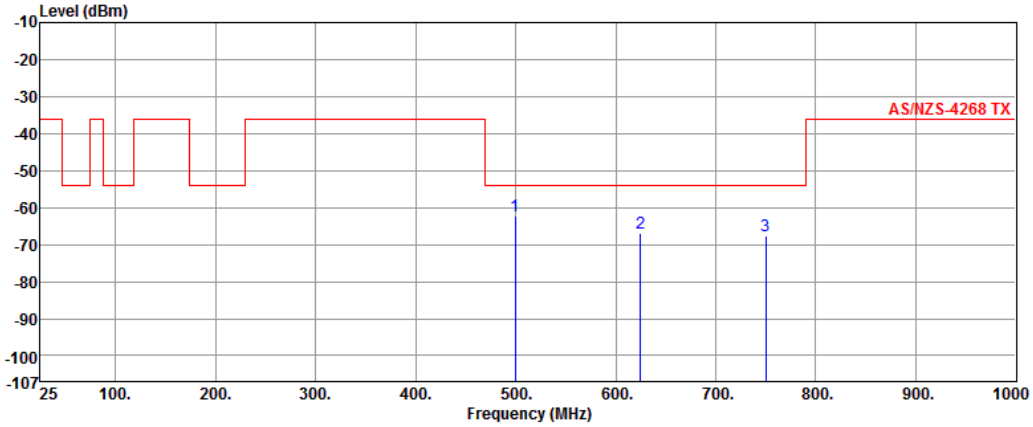
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.69	-54.00	-6.69	5.59	-66.28
2	600.25	-66.36	-54.00	-12.36	7.87	-74.23
3	750.40	-63.17	-54.00	-9.17	10.10	-73.27

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

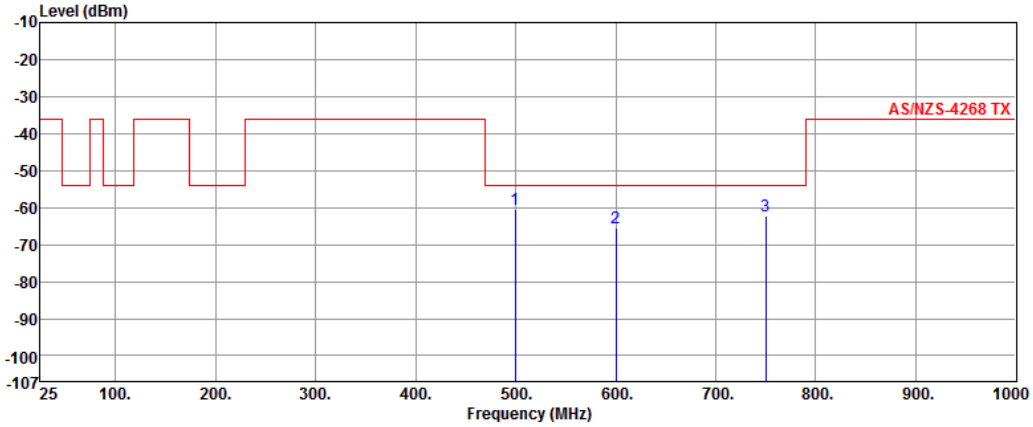
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-62.12	-54.00	-8.12	5.50	-67.62
2	624.63	-67.01	-54.00	-13.01	8.11	-75.12
3	750.40	-67.66	-54.00	-13.66	10.08	-77.74

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

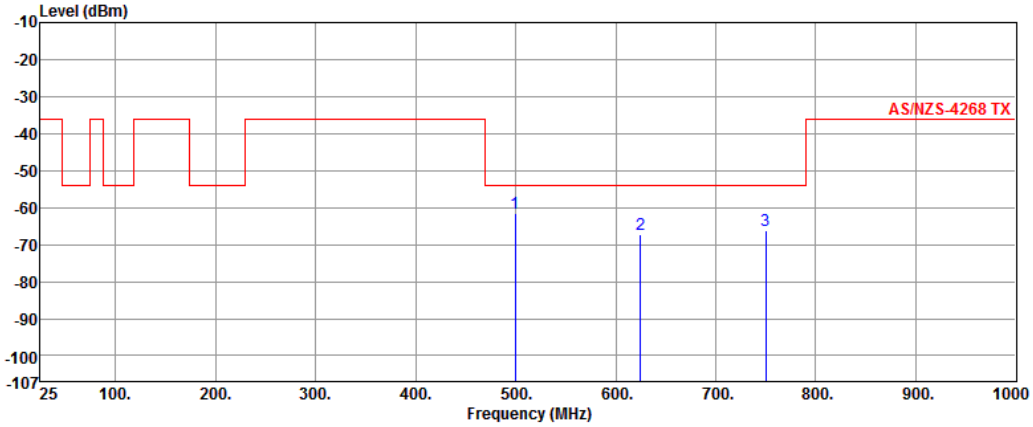
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.50	-54.00	-6.50	5.59	-66.09
2	600.25	-65.46	-54.00	-11.46	7.87	-73.33
3	750.40	-62.23	-54.00	-8.23	10.10	-72.33

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

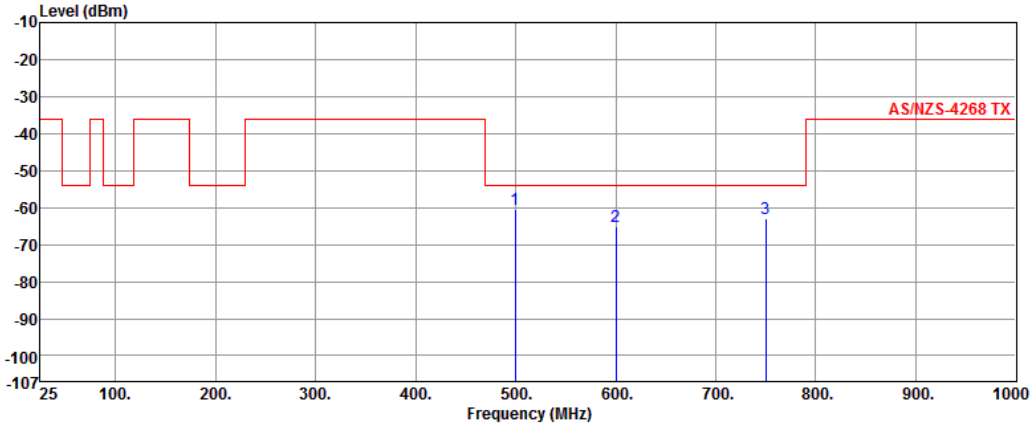
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-61.48	-54.00	-7.48	5.50	-66.98
2	624.63	-67.31	-54.00	-13.31	8.11	-75.42
3	750.40	-66.06	-54.00	-12.06	10.08	-76.14

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

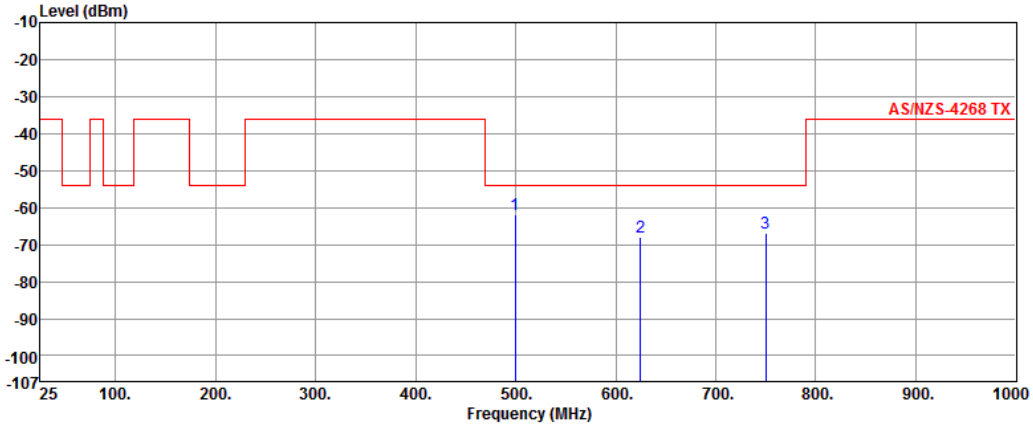
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.56	-54.00	-6.56	5.59	-66.15
2	600.25	-65.10	-54.00	-11.10	7.87	-72.97
3	750.40	-62.93	-54.00	-8.93	10.10	-73.03

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

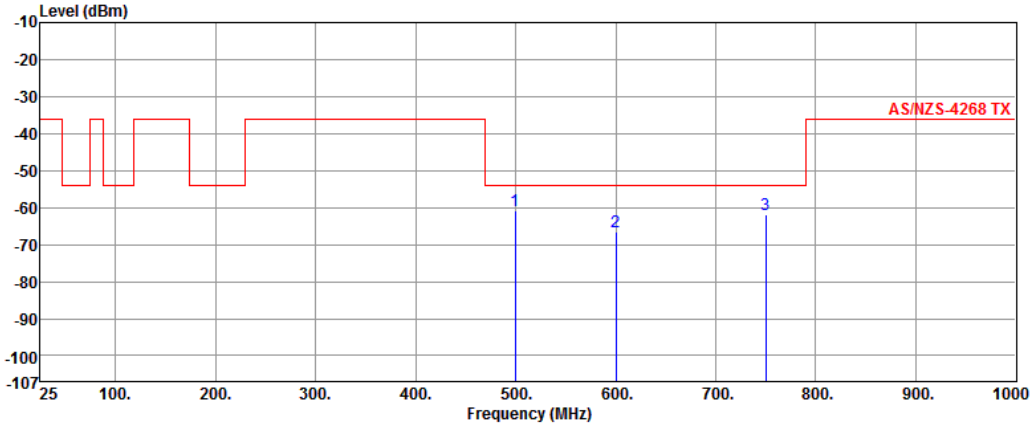
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-62.05	-54.00	-8.05	5.50	-67.55
2	624.63	-67.82	-54.00	-13.82	8.11	-75.93
3	750.40	-66.76	-54.00	-12.76	10.08	-76.84

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

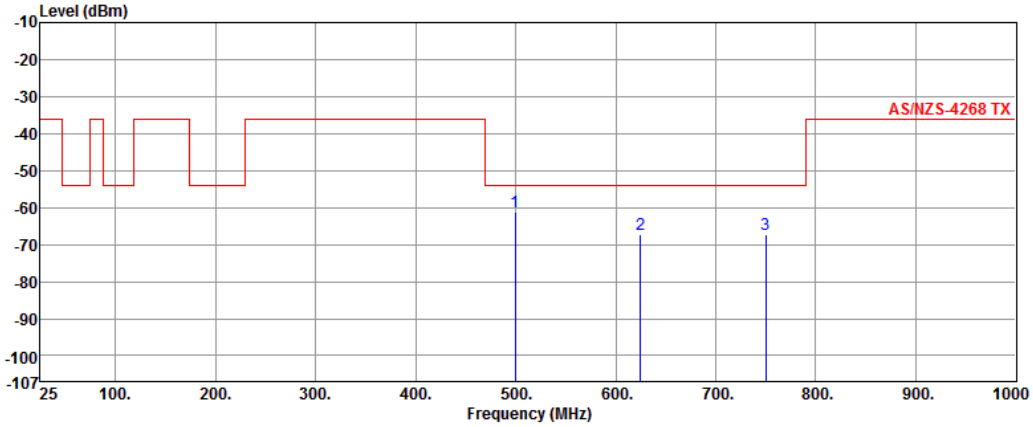
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.90	-54.00	-6.90	5.59	-66.49
2	600.25	-66.59	-54.00	-12.59	7.87	-74.46
3	750.40	-62.02	-54.00	-8.02	10.10	-72.12

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

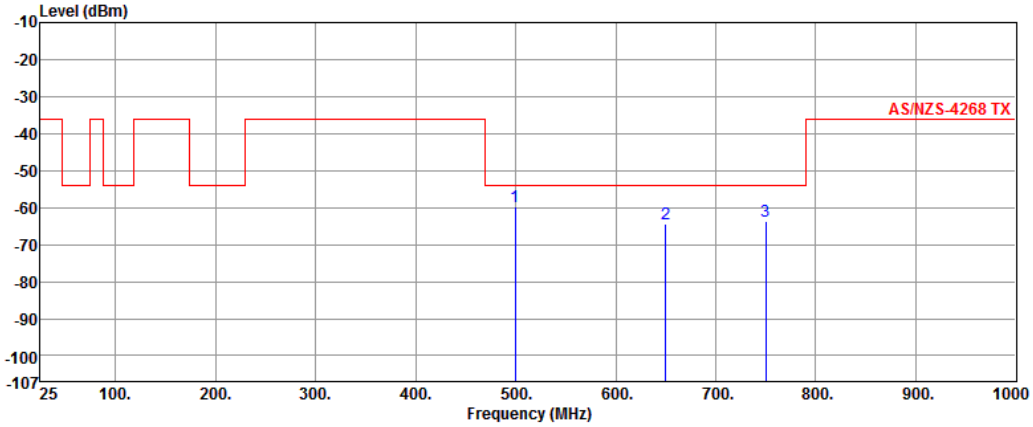
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-61.12	-54.00	-7.12	5.50	-66.62
2	624.63	-67.15	-54.00	-13.15	8.11	-75.26
3	750.40	-67.41	-54.00	-13.41	10.08	-77.49

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

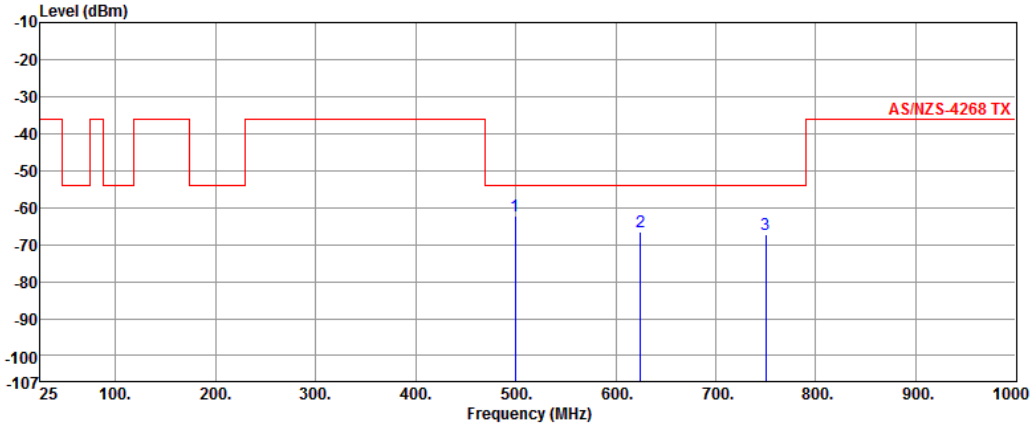
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-59.91	-54.00	-5.91	5.59	-65.50
2	649.98	-64.43	-54.00	-10.43	8.20	-72.63
3	750.40	-63.55	-54.00	-9.55	10.10	-73.65

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

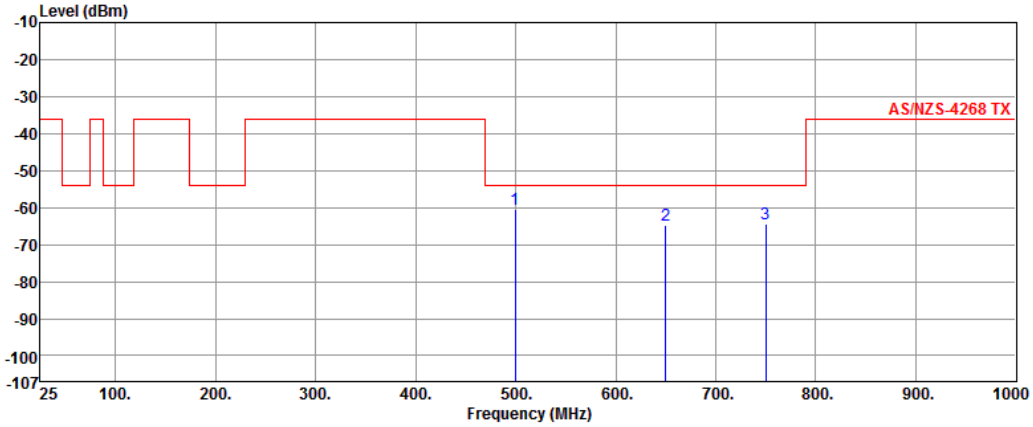
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-62.10	-54.00	-8.10	5.50	-67.60
2	624.63	-66.70	-54.00	-12.70	8.11	-74.81
3	750.40	-67.19	-54.00	-13.19	10.08	-77.27

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

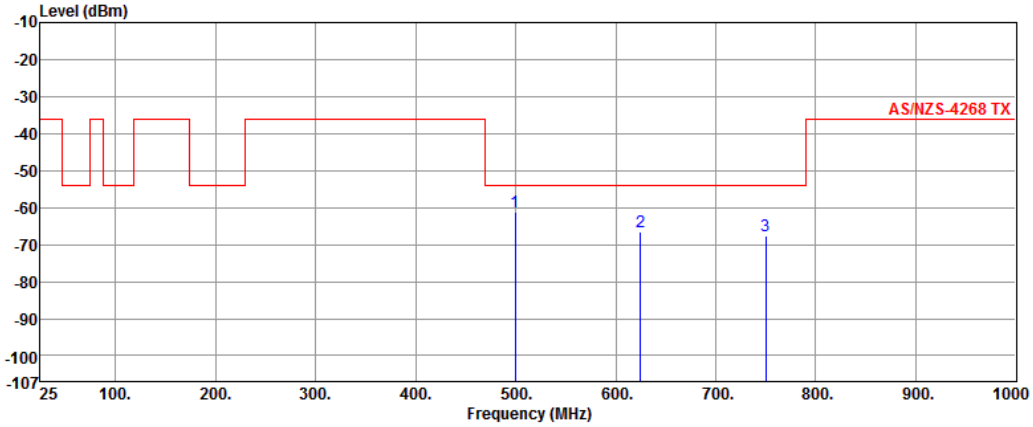
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.56	-54.00	-6.56	5.59	-66.15
2	649.98	-64.89	-54.00	-10.89	8.20	-73.09
3	750.40	-64.46	-54.00	-10.46	10.10	-74.56

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

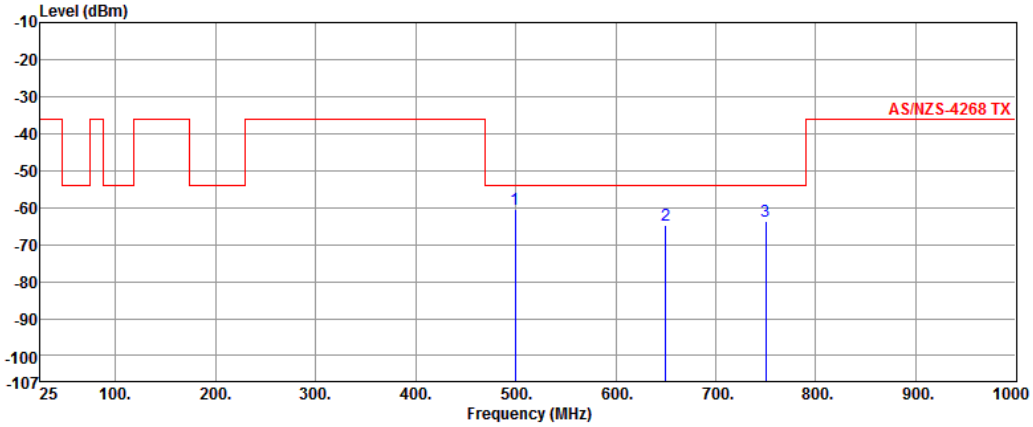
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-61.19	-54.00	-7.19	5.50	-66.69
2	624.63	-66.63	-54.00	-12.63	8.11	-74.74
3	750.40	-67.77	-54.00	-13.77	10.08	-77.85

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

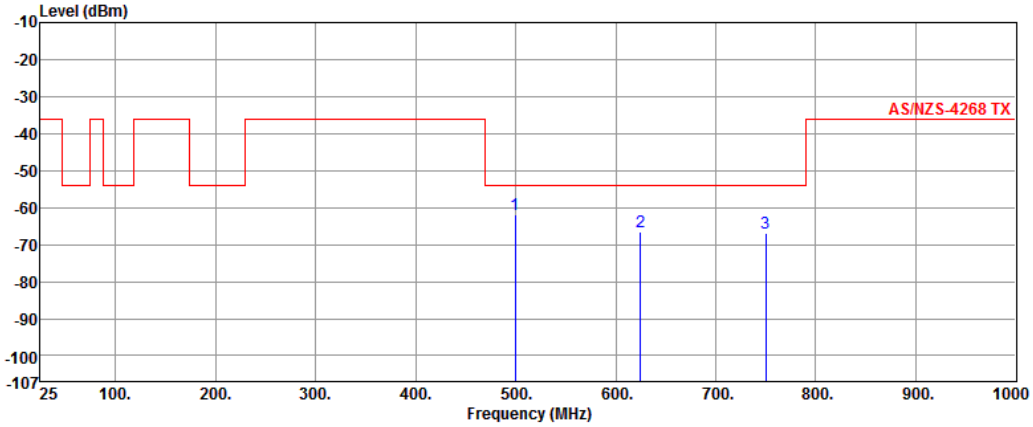
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-60.56	-54.00	-6.56	5.59	-66.15
2	649.98	-64.81	-54.00	-10.81	8.20	-73.01
3	750.40	-63.74	-54.00	-9.74	10.10	-73.84

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		

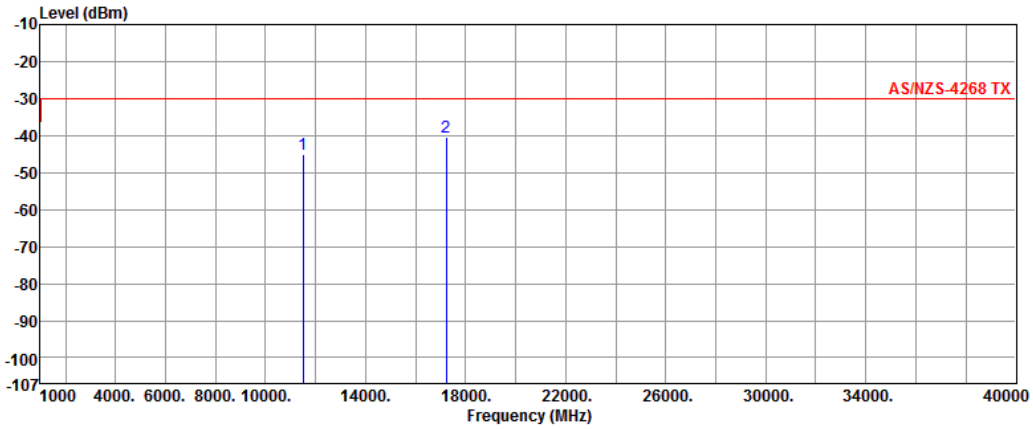


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-61.86	-54.00	-7.86	5.50	-67.36
2	624.63	-66.71	-54.00	-12.71	8.11	-74.82
3	750.40	-67.01	-54.00	-13.01	10.08	-77.09

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

3.5.10 Transmitter Radiated Unwanted Emissions (Above 1GHz)

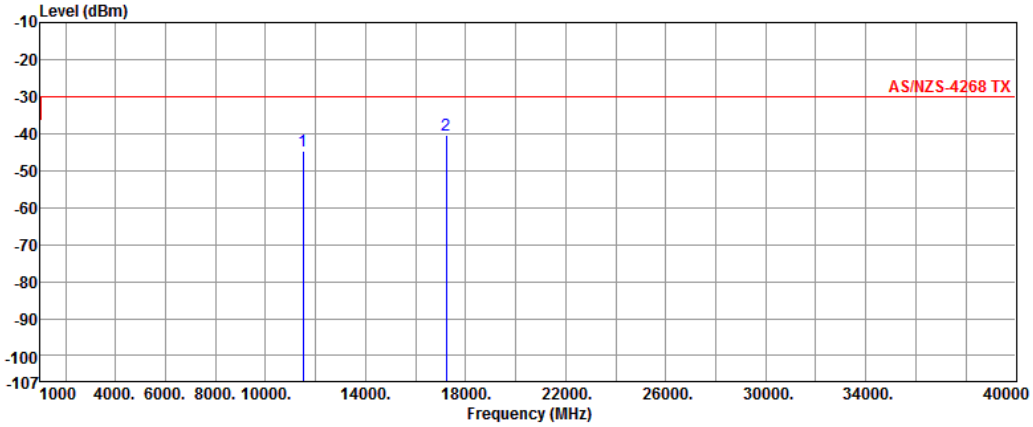
Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11490.90	-45.02	-30.00	-15.02	21.11	-66.13
2	17235.40	-40.40	-30.00	-10.40	25.55	-65.95

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

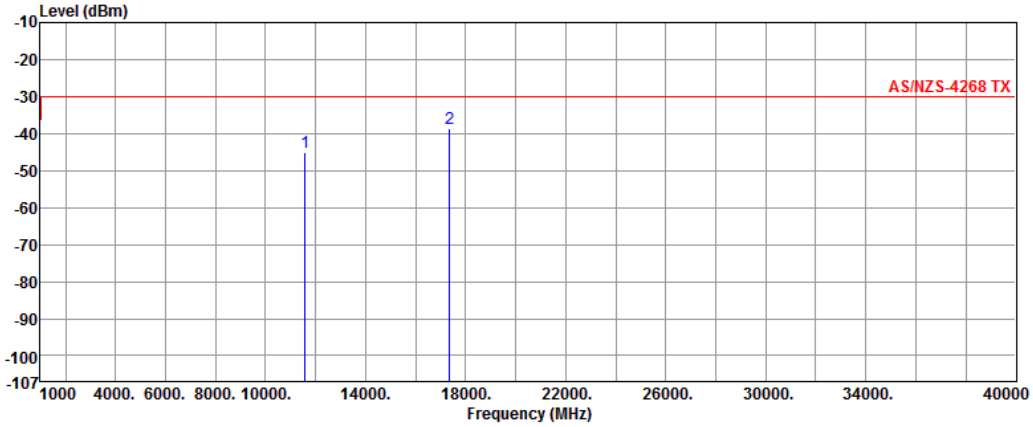
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11490.85	-44.84	-30.00	-14.84	21.26	-66.10
2	17235.65	-40.44	-30.00	-10.44	25.32	-65.76

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

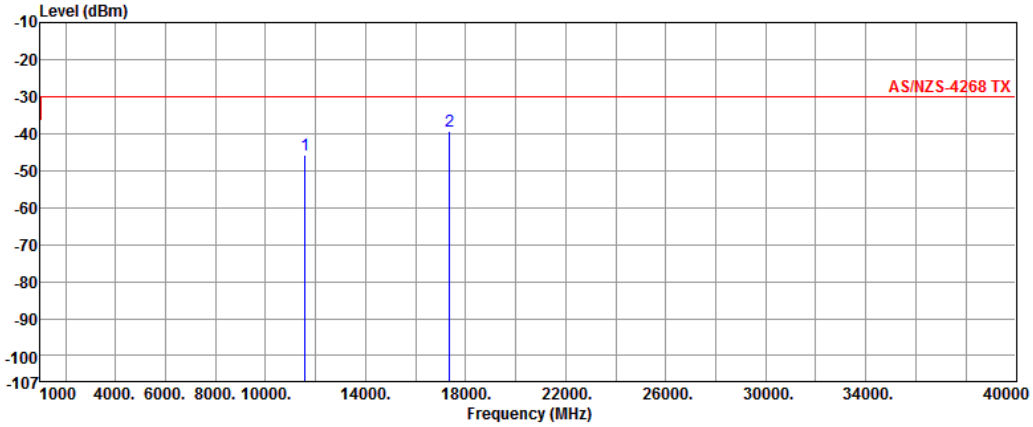
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11570.05	-44.94	-30.00	-14.94	21.16	-66.10
2	17355.05	-38.69	-30.00	-8.69	26.56	-65.25

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

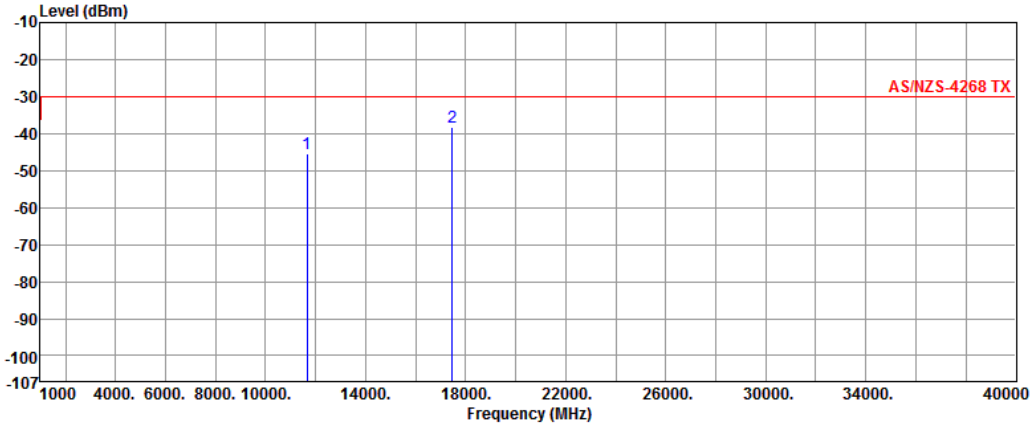
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11570.85	-45.69	-30.00	-15.69	21.13	-66.82
2	17355.30	-39.20	-30.00	-9.20	26.35	-65.55

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

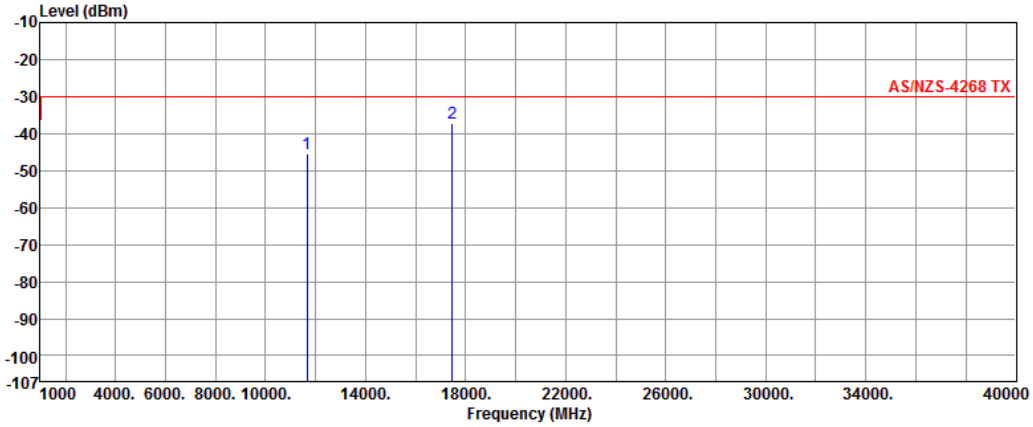
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11650.60	-45.36	-30.00	-15.36	20.86	-66.22
2	17475.10	-38.39	-30.00	-8.39	27.06	-65.45

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

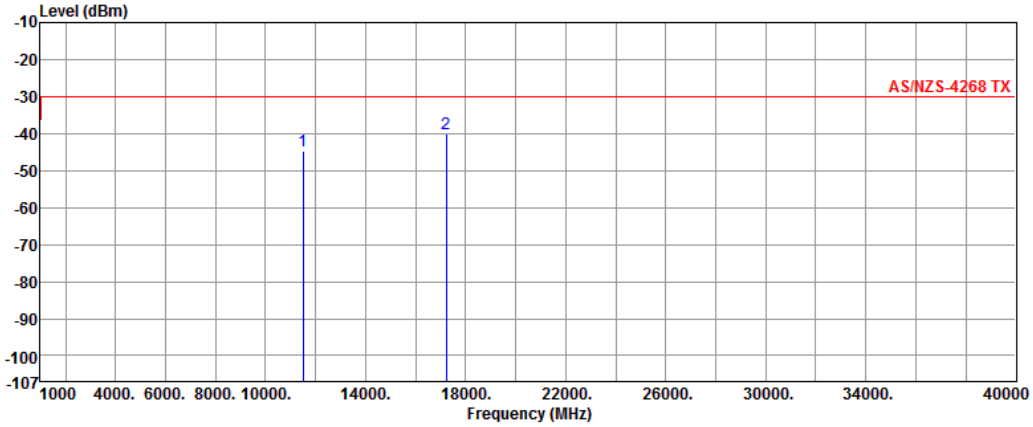
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11650.05	-45.50	-30.00	-15.50	20.74	-66.24
2	17475.30	-37.10	-30.00	-7.10	27.68	-64.78

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

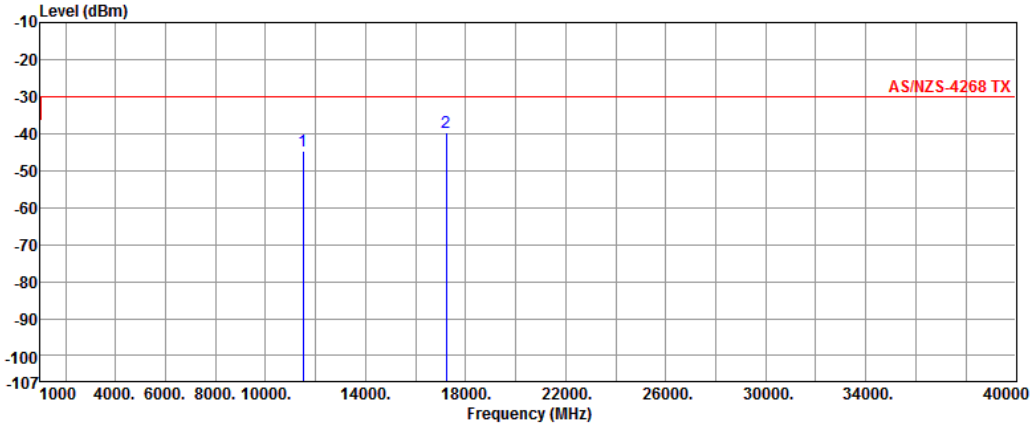
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11490.35	-44.82	-30.00	-14.82	21.11	-65.93
2	17235.60	-40.07	-30.00	-10.07	25.55	-65.62

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

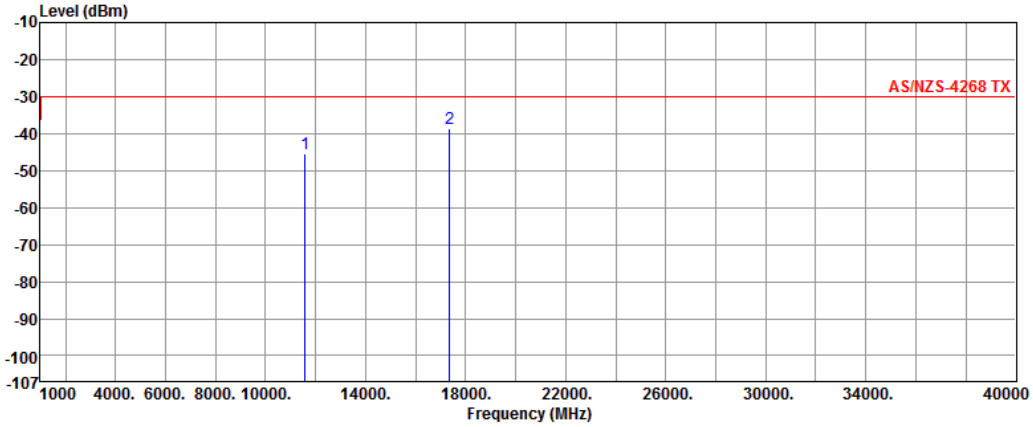
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11490.40	-44.58	-30.00	-14.58	21.26	-65.84
2	17235.25	-39.71	-30.00	-9.71	25.32	-65.03

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

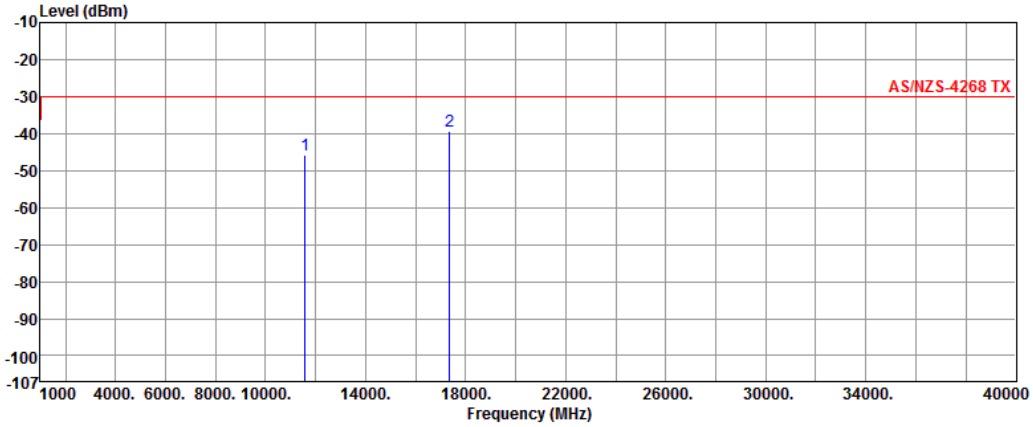
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11570.40	-45.42	-30.00	-15.42	21.16	-66.58
2	17355.55	-38.46	-30.00	-8.46	26.56	-65.02

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

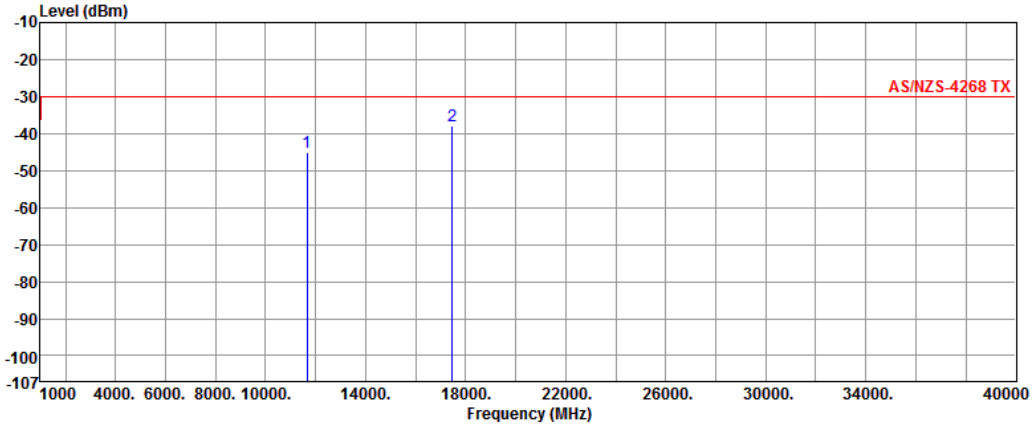
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11570.50	-45.63	-30.00	-15.63	21.13	-66.76
2	17355.25	-39.49	-30.00	-9.49	26.35	-65.84

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

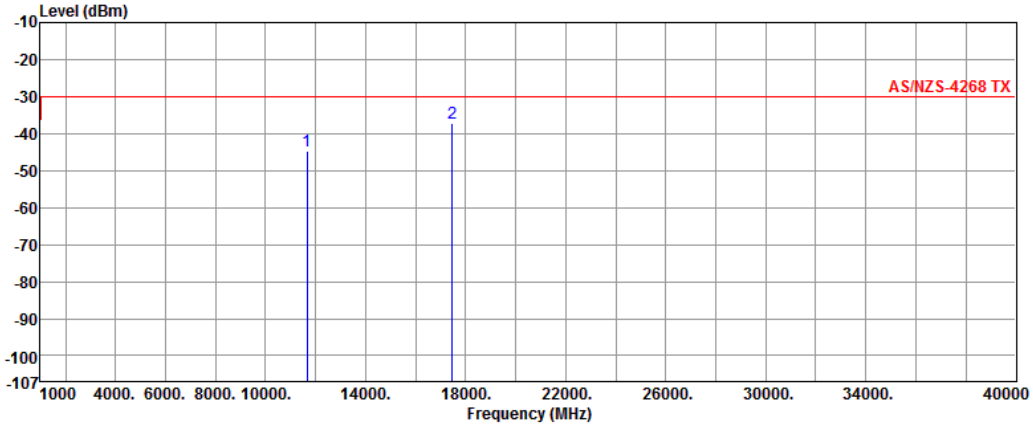
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11650.05	-45.11	-30.00	-15.11	20.86	-65.97
2	17475.80	-37.96	-30.00	-7.96	27.06	-65.02

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

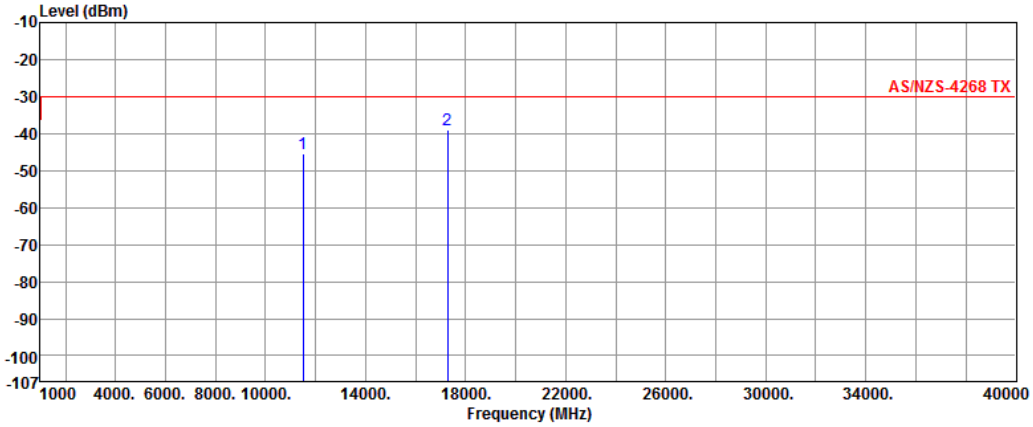
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11650.75	-44.85	-30.00	-14.85	20.74	-65.59
2	17475.60	-37.16	-30.00	-7.16	27.68	-64.84

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

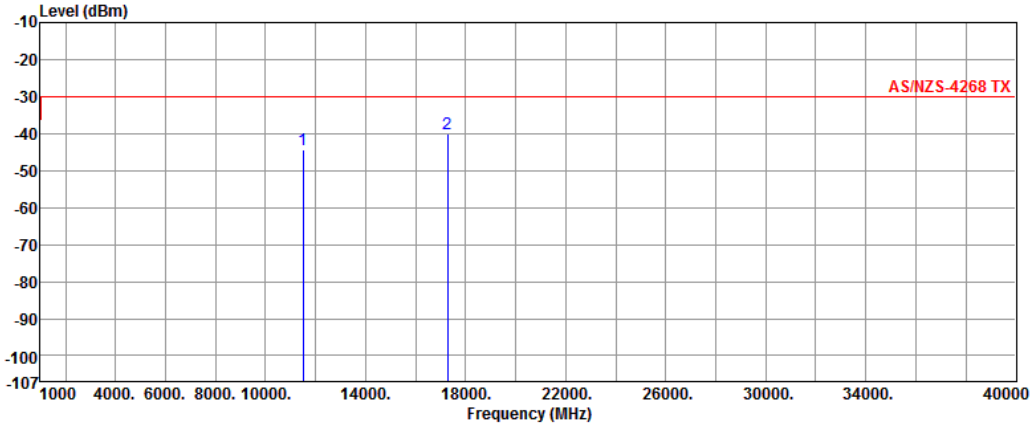
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11510.30	-45.29	-30.00	-15.29	21.14	-66.43
2	17265.70	-38.87	-30.00	-8.87	26.02	-64.89

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

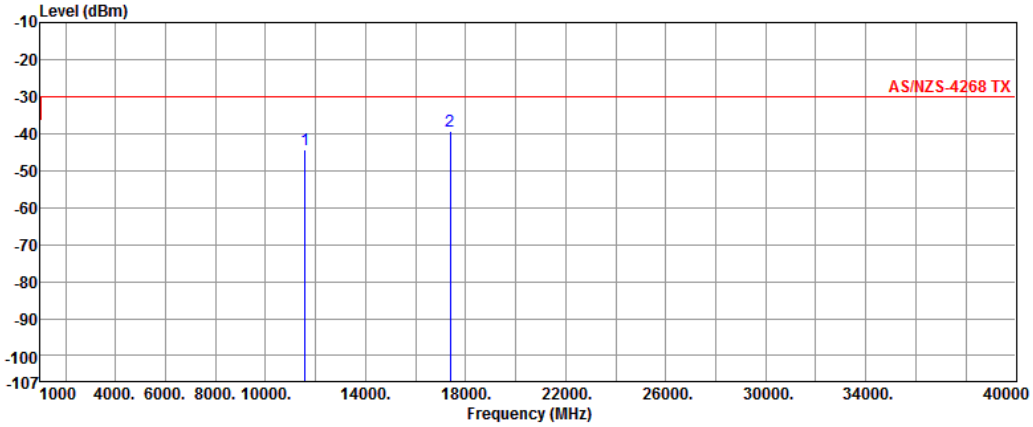
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11510.30	-44.32	-30.00	-14.32	21.25	-65.57
2	17265.80	-40.16	-30.00	-10.16	25.48	-65.64

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

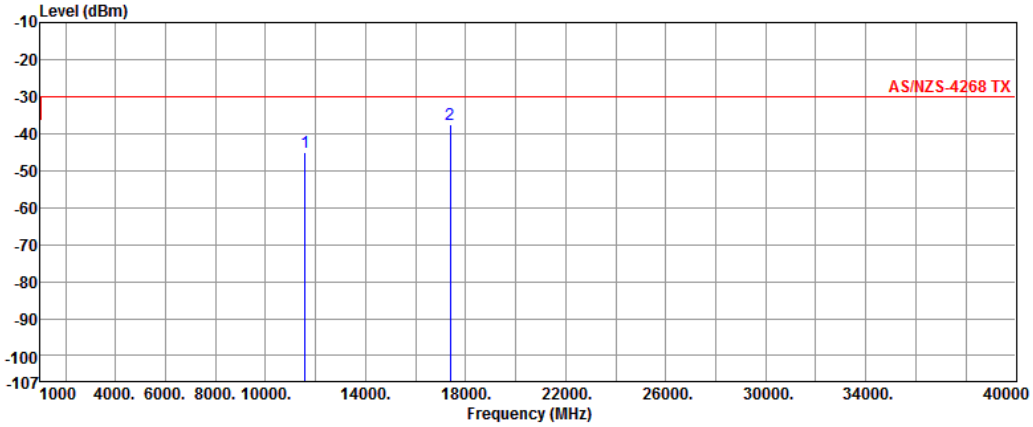
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11590.40	-44.32	-30.00	-14.32	21.17	-65.49
2	17385.20	-39.24	-30.00	-9.24	26.57	-65.81

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

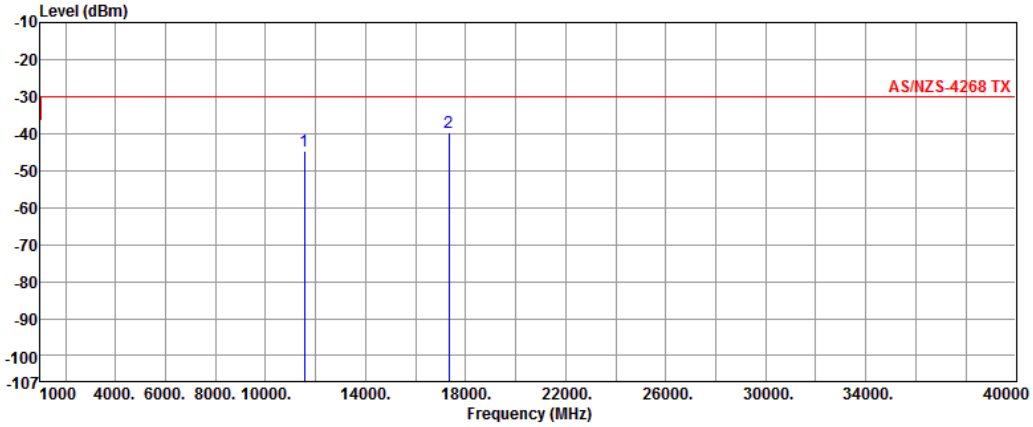
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11590.20	-45.23	-30.00	-15.23	21.09	-66.32
2	17385.40	-37.43	-30.00	-7.43	26.73	-64.16

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

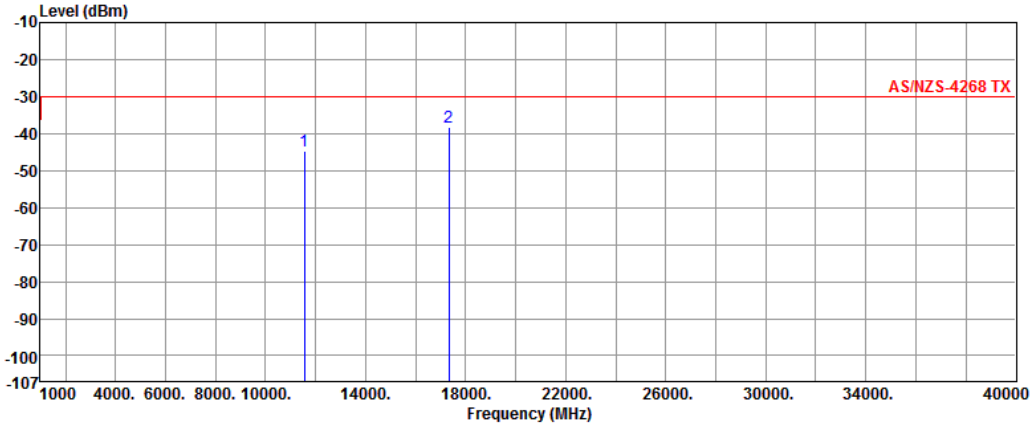
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11550.20	-44.60	-30.00	-14.60	21.16	-65.76
2	17325.23	-39.58	-30.00	-9.58	26.54	-66.12

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11550.40	-44.76	-30.00	-14.76	21.17	-65.93
2	17325.20	-38.14	-30.00	-8.14	25.96	-64.10

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

4 Receiver Test Results

4.1 Receiver Spurious Emissions

4.1.1 Limit of Receiver Spurious Emissions

Spurious Emissions Limit (Peak Power)	Frequency Range	Measurement Bandwidth
-56 dBW (2.5μW) e.i.r.p (59 dBμV/m at 10 metres)	< 150 kHz	1 kHz
	150 kHz – 30 MHz	10 kHz

Radiated Emission Limit	
Frequency Range	**Limit**
25 MHz to 1 GHz	-57 dBm
Above 1 GHz	-47 dBm

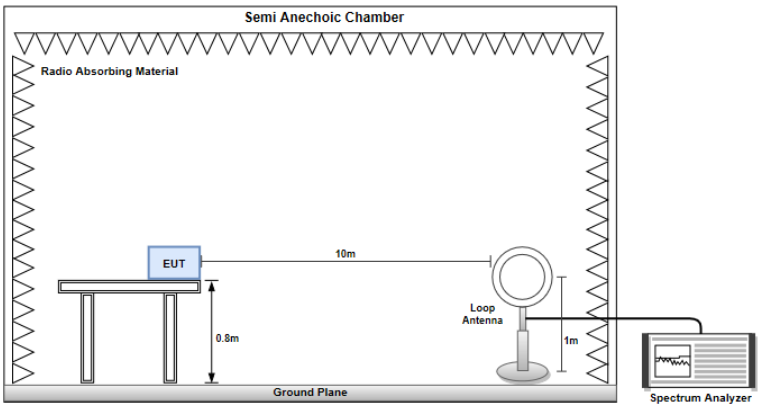
Conducted Emission Limit	
Frequency Range	**Limit**
25 MHz to 1 GHz	-60.01 dBm
Above 1 GHz	-50.01 dBm

4.1.2 Test Procedures

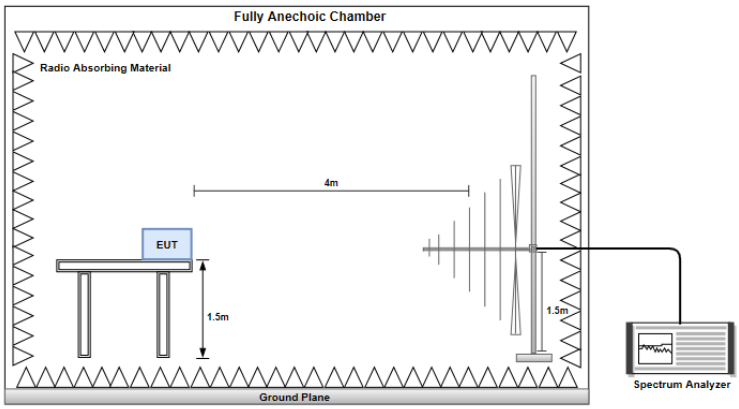
Reference to clause 4.3.5.3 of EN 300 440 V2.1.1 (2017-03).

4.1.3 Test Setup

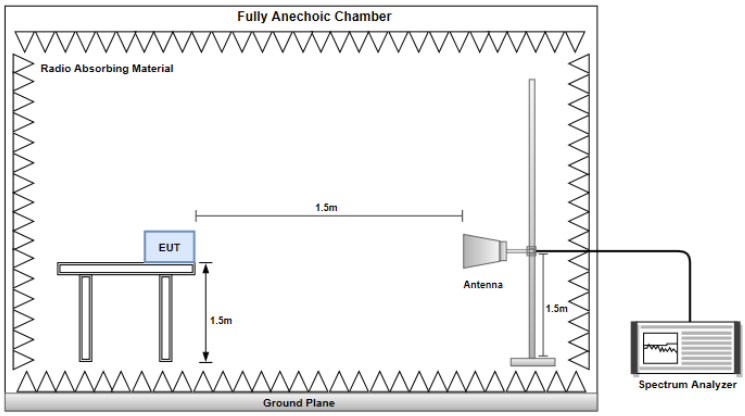
Below 30MHz



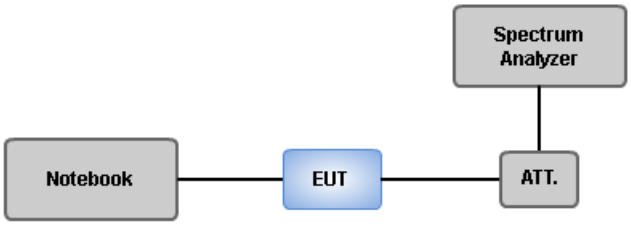
Below 1GHz



Above 1 GHz



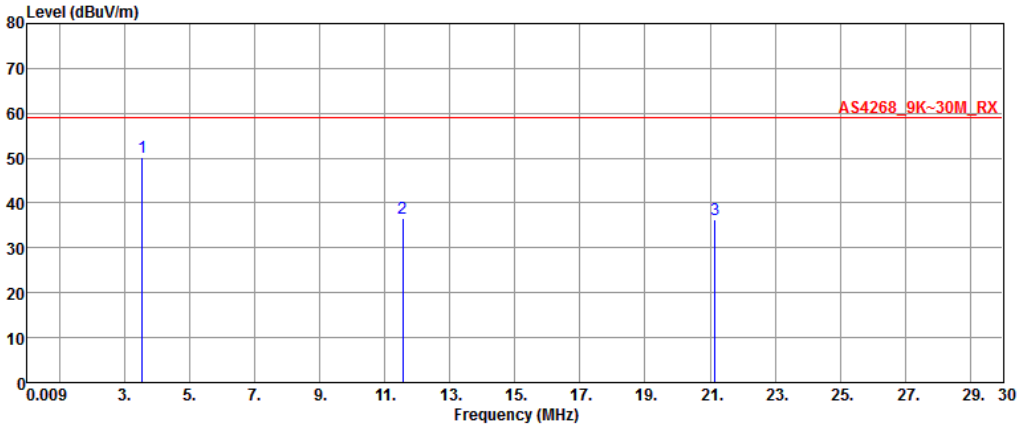
Conducted Emission



4.1.4 Receiver Radiated Unwanted Emissions (≤ 30MHz)

Test Configuration 1

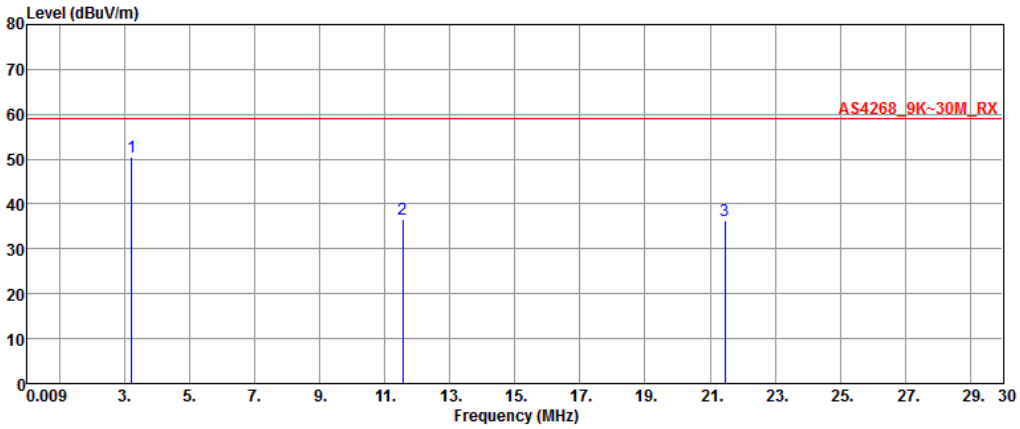
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.54	50.23	59.00	-8.77	19.86	30.37
2	11.54	36.65	59.00	-22.35	21.49	15.16
3	21.15	36.45	59.00	-22.55	22.54	13.91

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

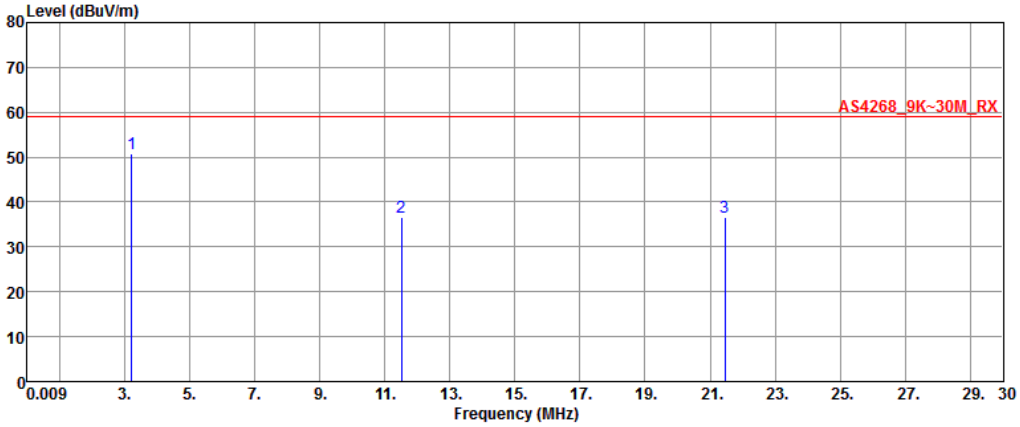
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.22	50.54	59.00	-8.46	19.67	30.87
2	11.55	36.65	59.00	-22.35	21.49	15.16
3	21.45	36.45	59.00	-22.55	22.54	13.91

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

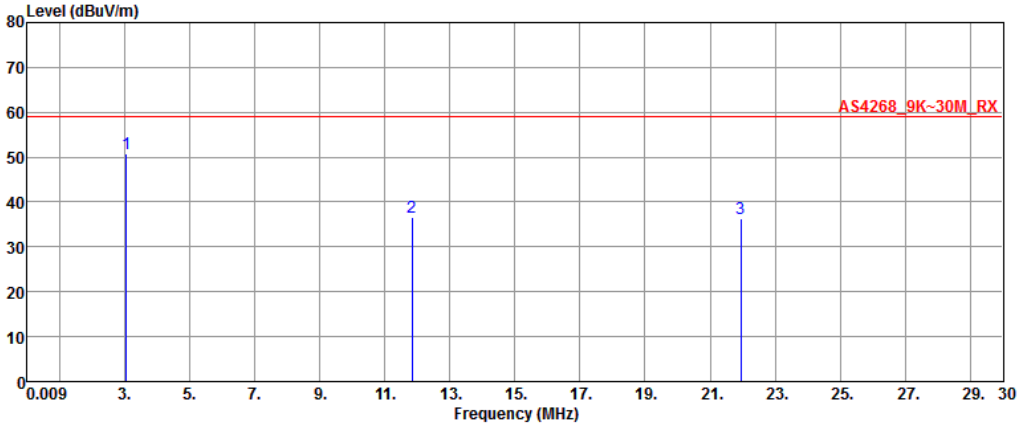
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.22	50.84	59.00	-8.16	19.67	31.17
2	11.51	36.65	59.00	-22.35	21.48	15.17
3	21.45	36.56	59.00	-22.44	22.54	14.02

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

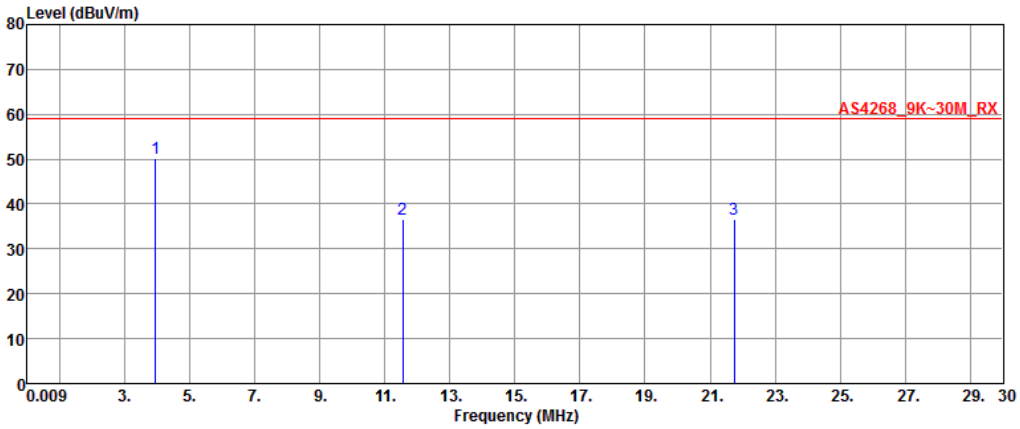
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.05	50.75	59.00	-8.25	19.56	31.19
2	11.84	36.64	59.00	-22.36	21.53	15.11
3	21.94	36.41	59.00	-22.59	22.56	13.85

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

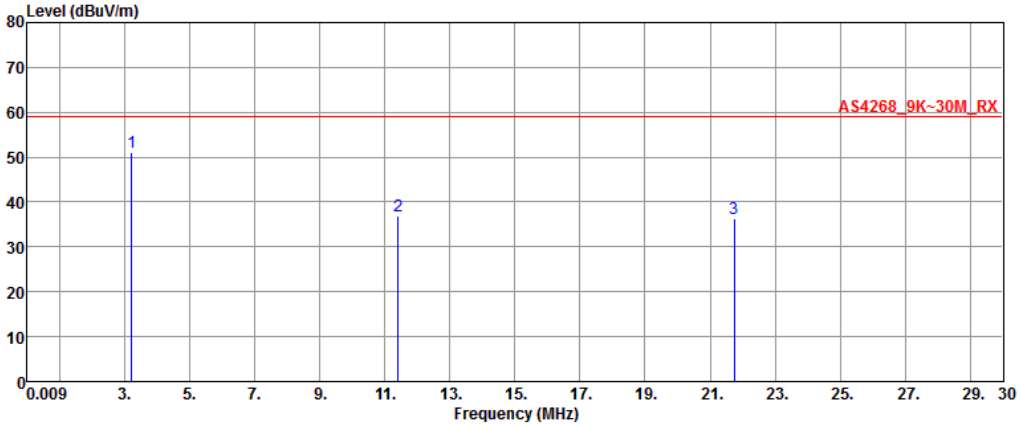
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.95	50.32	59.00	-8.68	20.08	30.24
2	11.54	36.54	59.00	-22.46	21.49	15.05
3	21.74	36.54	59.00	-22.46	22.55	13.99

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

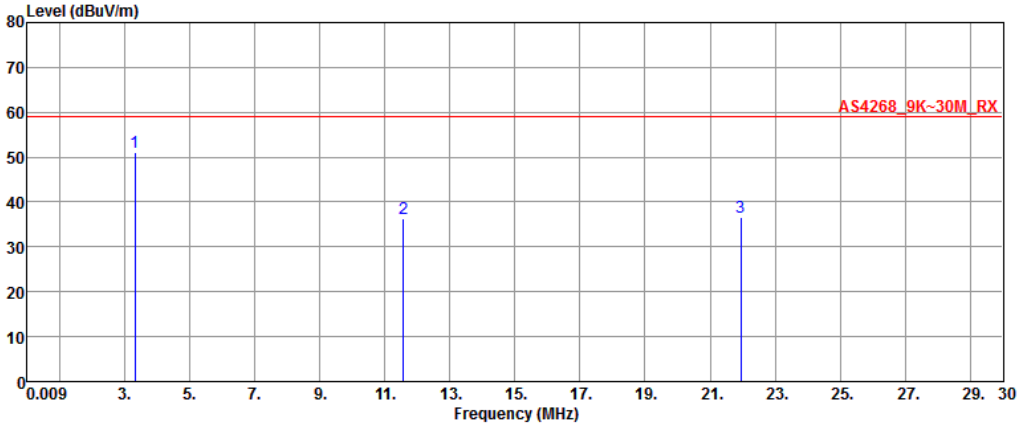
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.21	50.95	59.00	-8.05	19.66	31.29
2	11.41	36.95	59.00	-22.05	21.47	15.48
3	21.74	36.35	59.00	-22.65	22.55	13.80

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

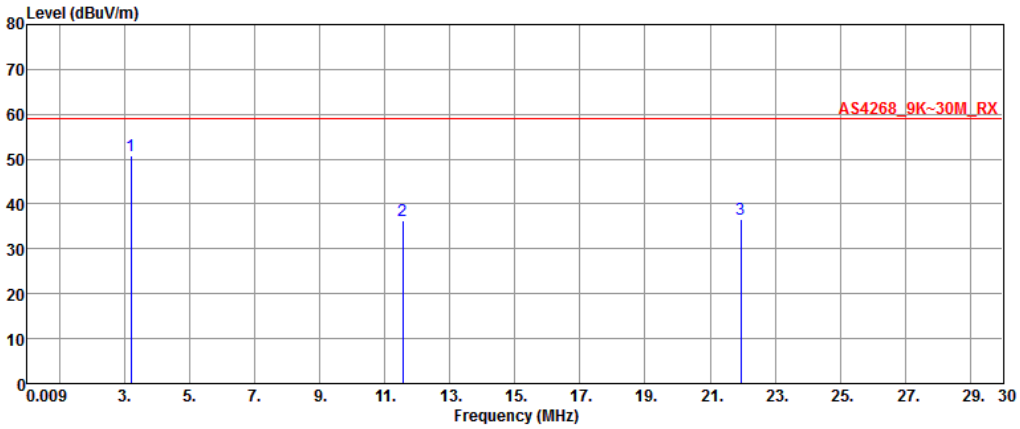
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.32	50.95	59.00	-8.05	19.73	31.22
2	11.56	36.41	59.00	-22.59	21.49	14.92
3	21.95	36.56	59.00	-22.44	22.56	14.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

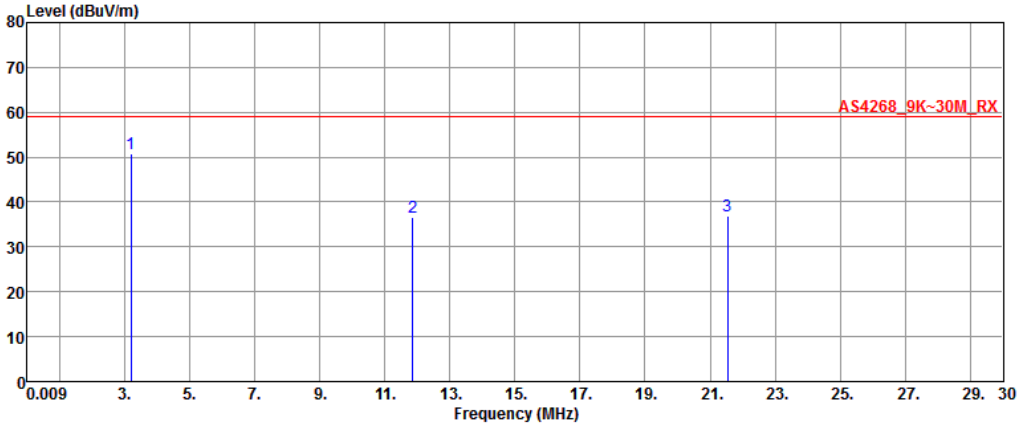
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.19	50.87	59.00	-8.13	19.65	31.22
2	11.54	36.44	59.00	-22.56	21.49	14.95
3	21.94	36.75	59.00	-22.25	22.56	14.19

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755

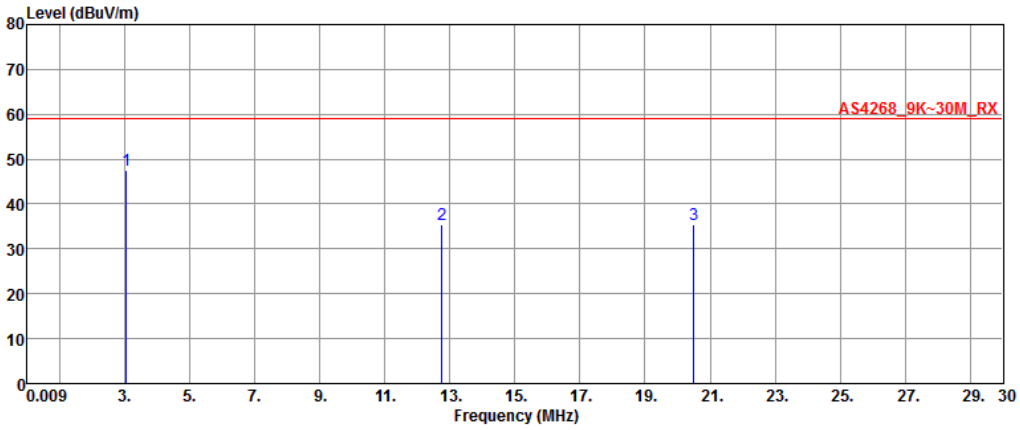


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.19	50.85	59.00	-8.15	19.65	31.20
2	11.85	36.74	59.00	-22.26	21.53	15.21
3	21.54	36.85	59.00	-22.15	22.55	14.30

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Test Configuration 2

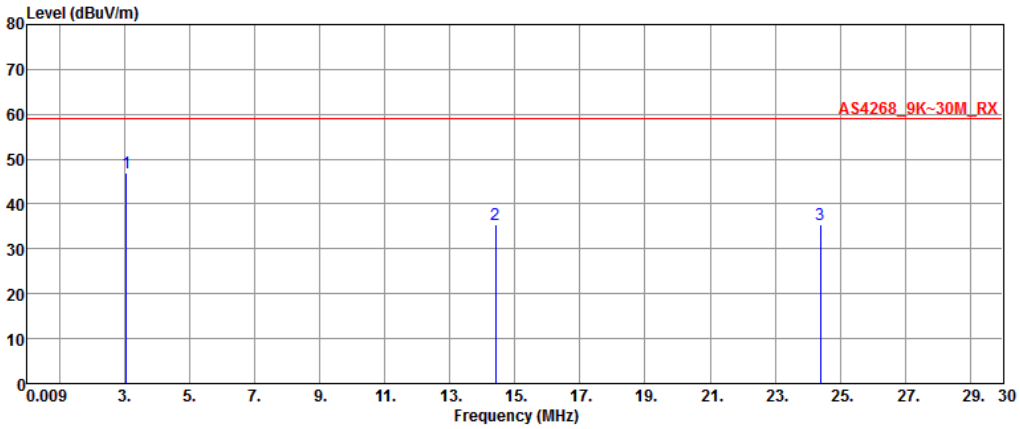
Modulation	11a	**Test Freq. (MHz)**	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.49	59.00	-11.51	19.55	27.94
2	12.76	35.40	59.00	-23.60	21.67	13.73
3	20.49	35.50	59.00	-23.50	22.52	12.98

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

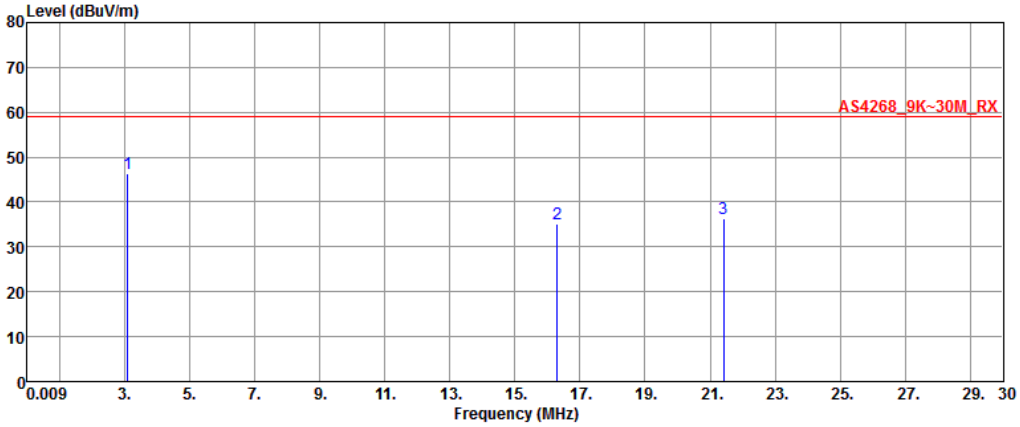
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.06	59.00	-11.94	19.55	27.51
2	14.40	35.34	59.00	-23.66	21.90	13.44
3	24.39	35.34	59.00	-23.66	22.62	12.72

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

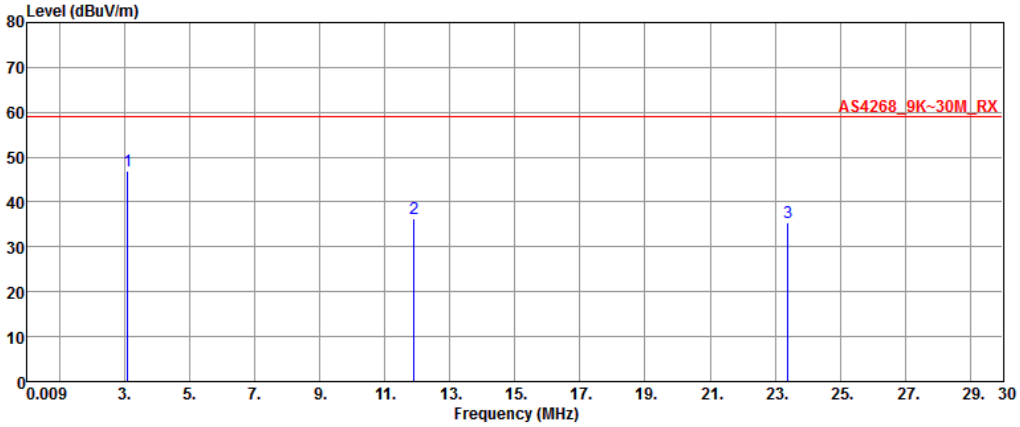
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.10	46.41	59.00	-12.59	19.59	26.82
2	16.29	35.06	59.00	-23.94	22.13	12.93
3	21.42	36.34	59.00	-22.66	22.54	13.80

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

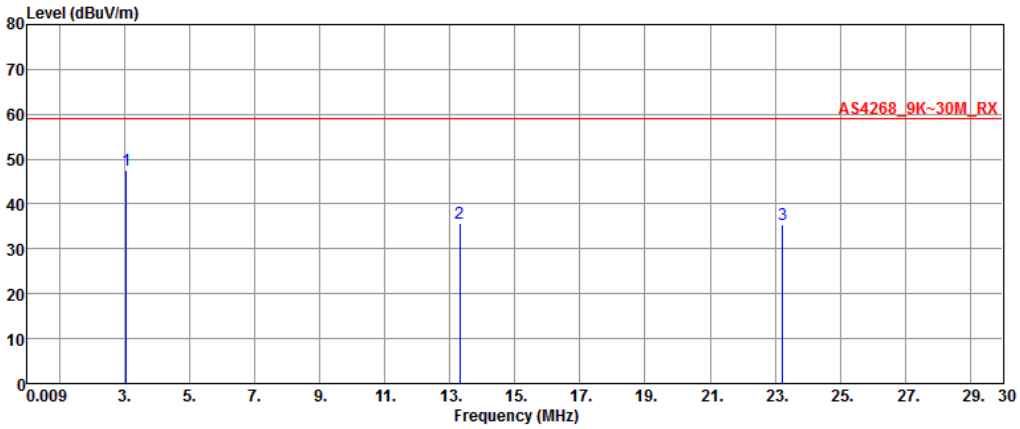
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.10	47.02	59.00	-11.98	19.59	27.43
2	11.89	36.34	59.00	-22.66	21.54	14.80
3	23.40	35.54	59.00	-23.46	22.60	12.94

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

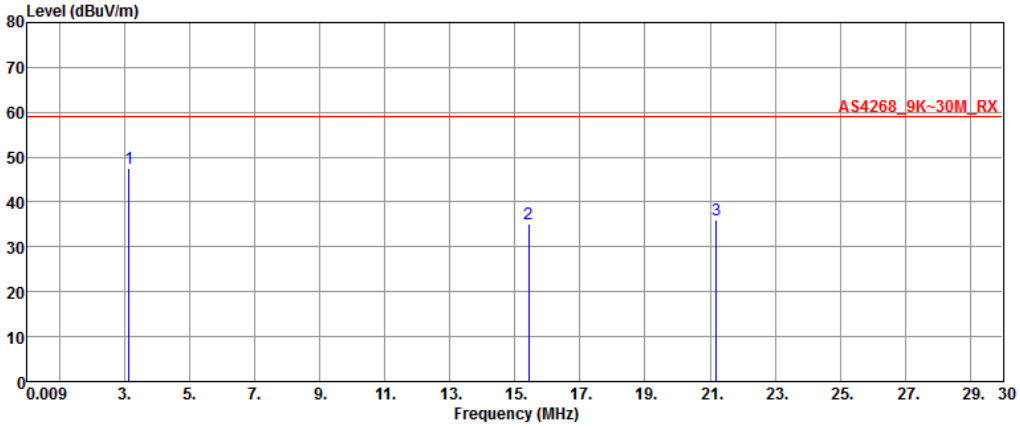
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.63	59.00	-11.37	19.55	28.08
2	13.30	35.85	59.00	-23.15	21.75	14.10
3	23.22	35.43	59.00	-23.57	22.59	12.84

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

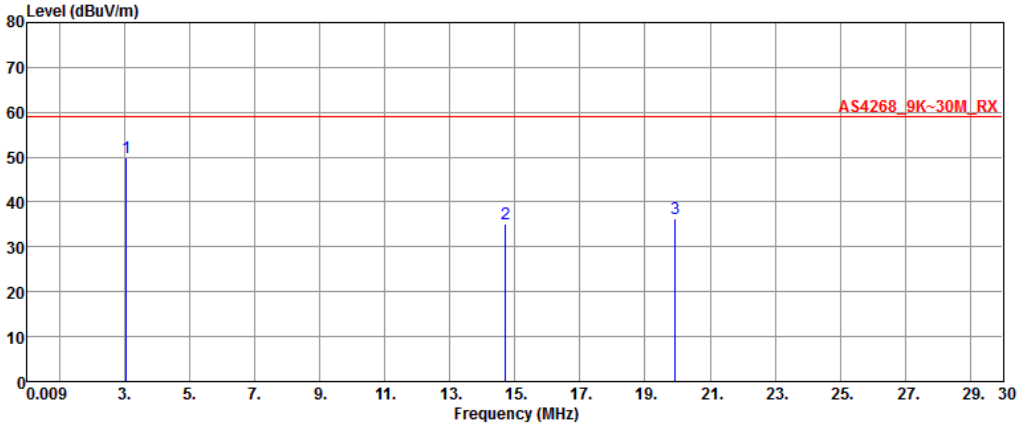
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	47.50	59.00	-11.50	19.61	27.89
2	15.42	34.99	59.00	-24.01	22.02	12.97
3	21.18	35.89	59.00	-23.11	22.54	13.35

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

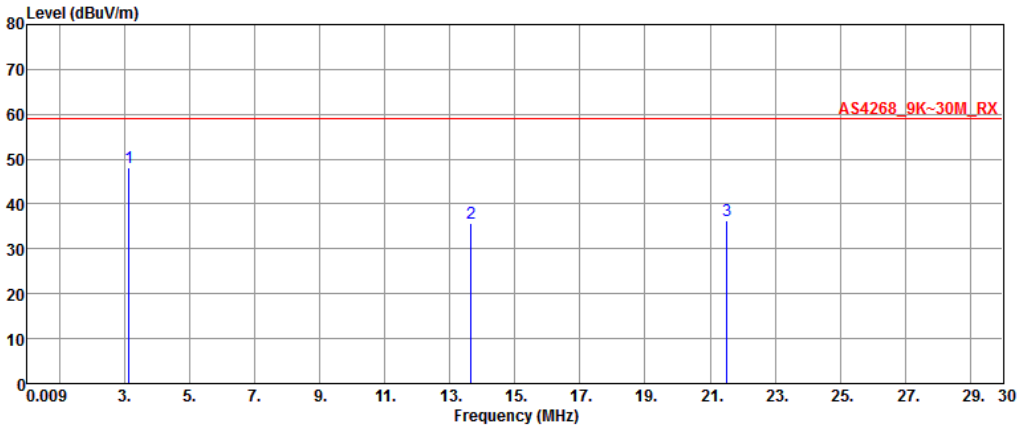
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	49.79	59.00	-9.21	19.55	30.24
2	14.70	35.16	59.00	-23.84	21.94	13.22
3	19.92	36.18	59.00	-22.82	22.50	13.68

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

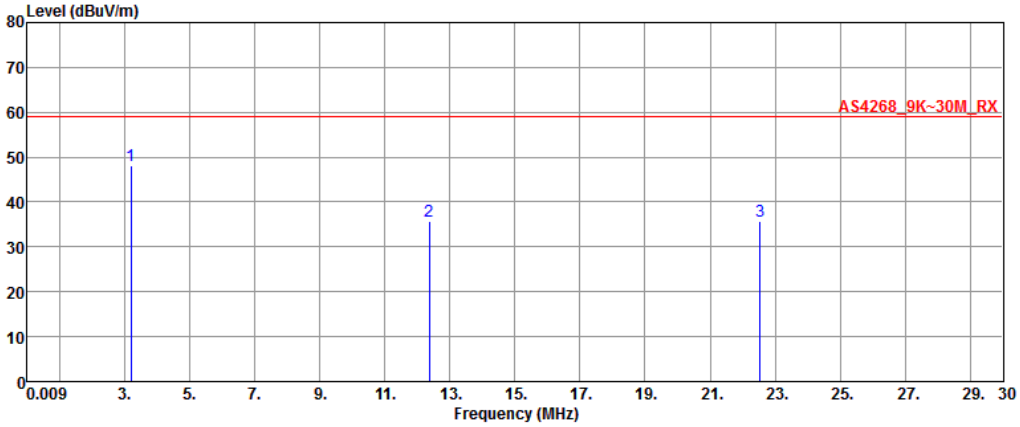
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	48.26	59.00	-10.74	19.61	28.65
2	13.65	35.74	59.00	-23.26	21.80	13.94
3	21.51	36.35	59.00	-22.65	22.55	13.80

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755

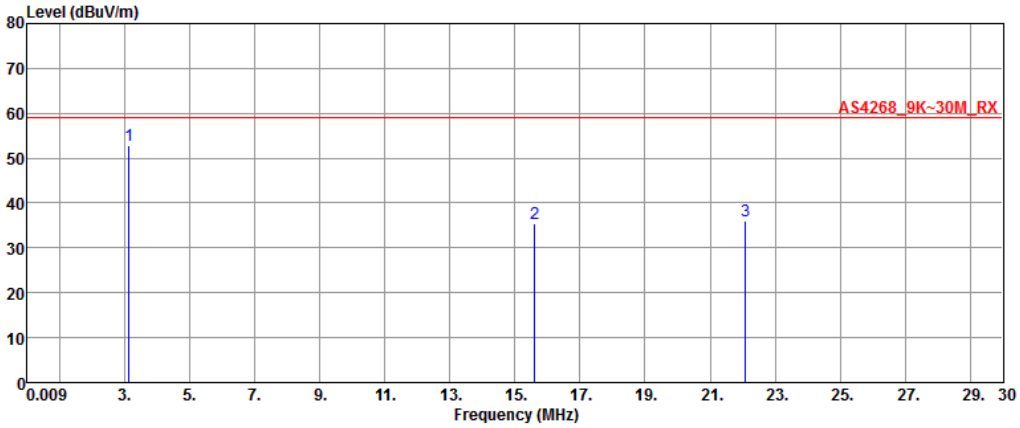


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.19	48.22	59.00	-10.78	19.65	28.57
2	12.37	35.63	59.00	-23.37	21.62	14.01
3	22.53	35.74	59.00	-23.26	22.58	13.16

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Test Configuration 3

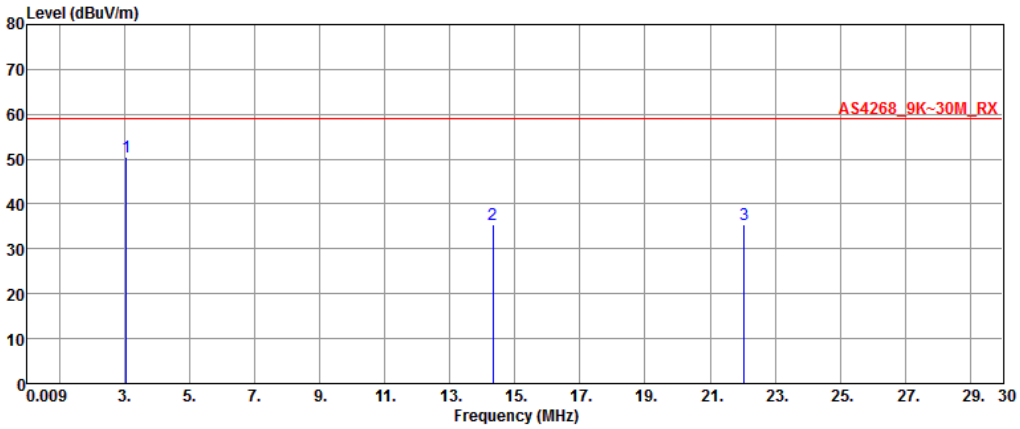
Modulation	11a	**Test Freq. (MHz)**	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	52.84	59.00	-6.16	19.61	33.23
2	15.60	35.34	59.00	-23.66	22.05	13.29
3	22.08	36.09	59.00	-22.91	22.56	13.53

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

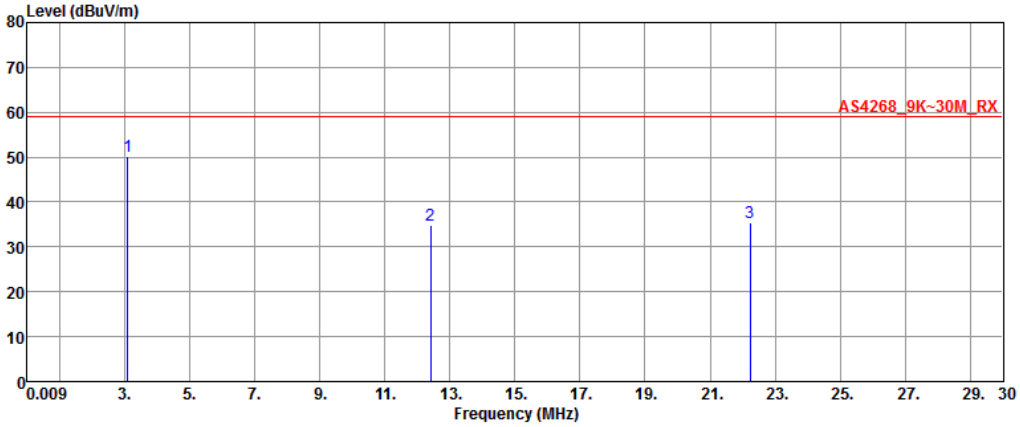
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	50.60	59.00	-8.40	19.55	31.05
2	14.31	35.35	59.00	-23.65	21.88	13.47
3	22.05	35.40	59.00	-23.60	22.56	12.84

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

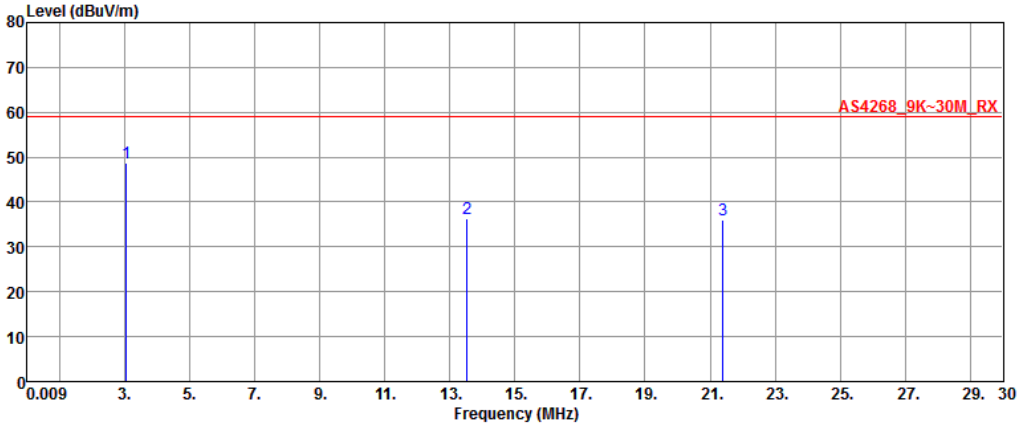
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.10	50.19	59.00	-8.81	19.59	30.60
2	12.40	34.86	59.00	-24.14	21.62	13.24
3	22.23	35.29	59.00	-23.71	22.56	12.73

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

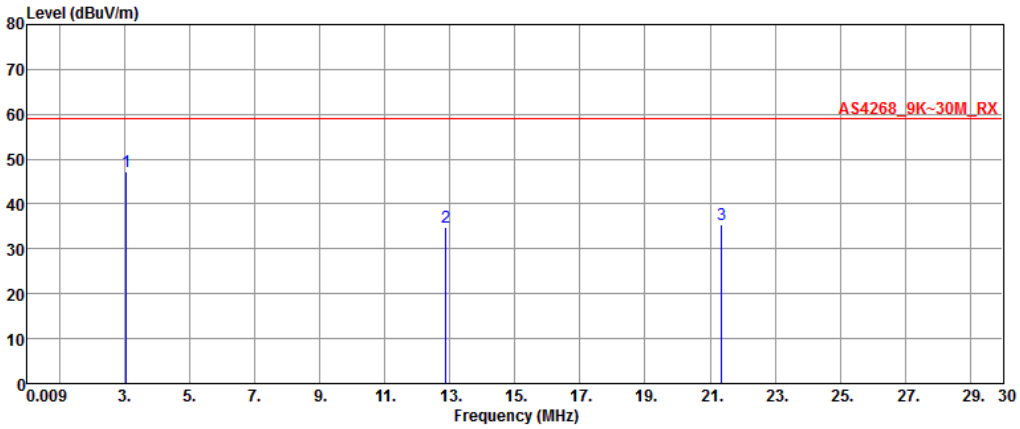
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.79	59.00	-10.21	19.55	29.24
2	13.53	36.40	59.00	-22.60	21.78	14.62
3	21.39	35.95	59.00	-23.05	22.54	13.41

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

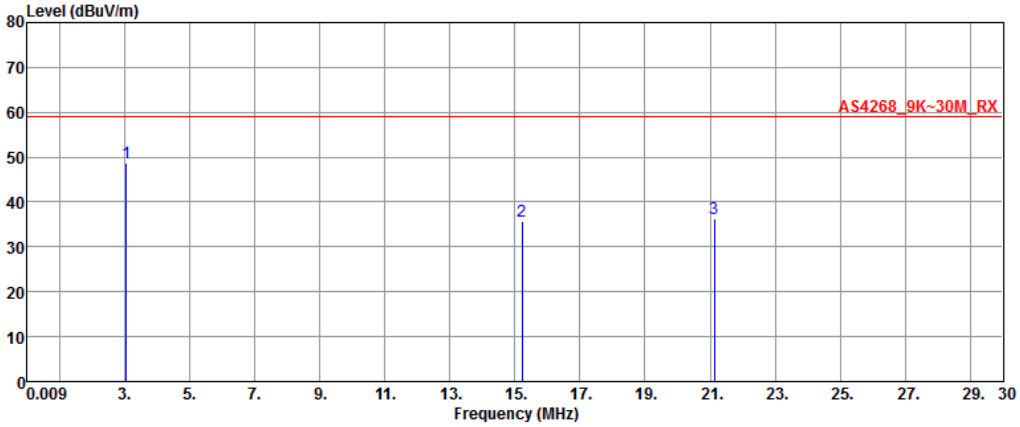
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.19	59.00	-11.81	19.55	27.64
2	12.88	34.97	59.00	-24.03	21.69	13.28
3	21.36	35.52	59.00	-23.48	22.54	12.98

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

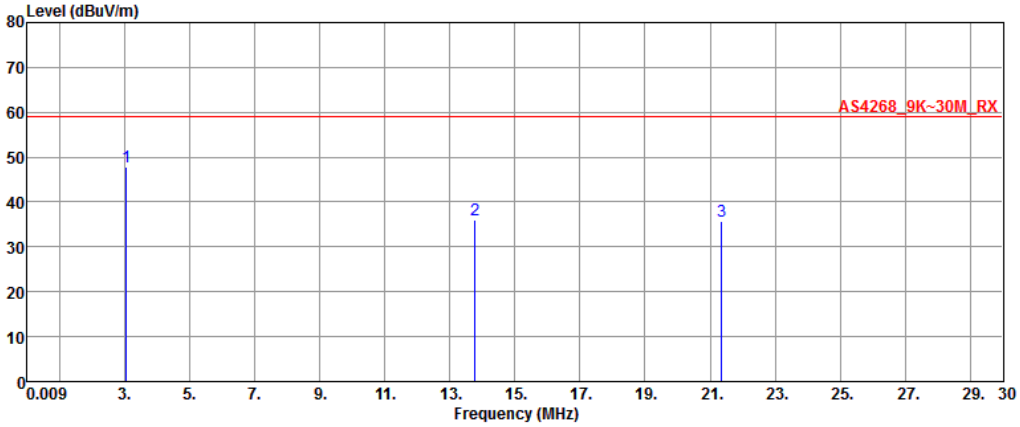
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.66	59.00	-10.34	19.55	29.11
2	15.21	35.76	59.00	-23.24	22.00	13.76
3	21.12	36.34	59.00	-22.66	22.54	13.80

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

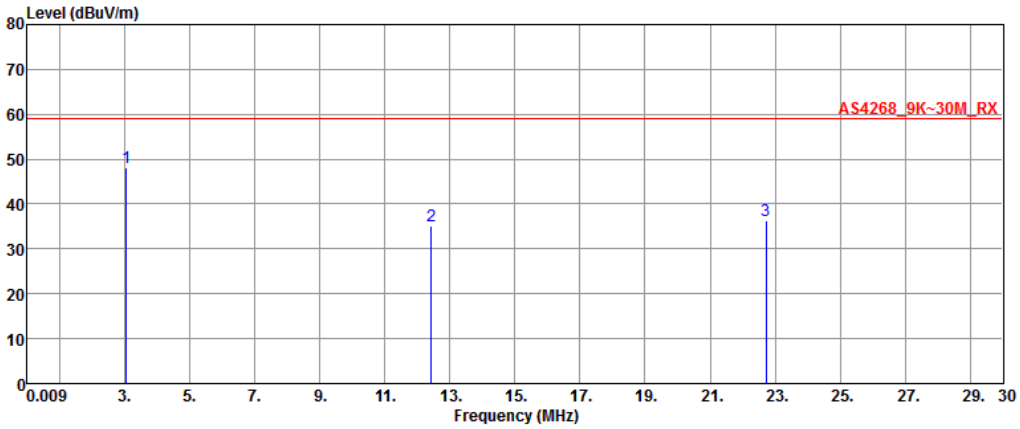
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.93	59.00	-11.07	19.55	28.38
2	13.77	35.88	59.00	-23.12	21.81	14.07
3	21.36	35.67	59.00	-23.33	22.54	13.13

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

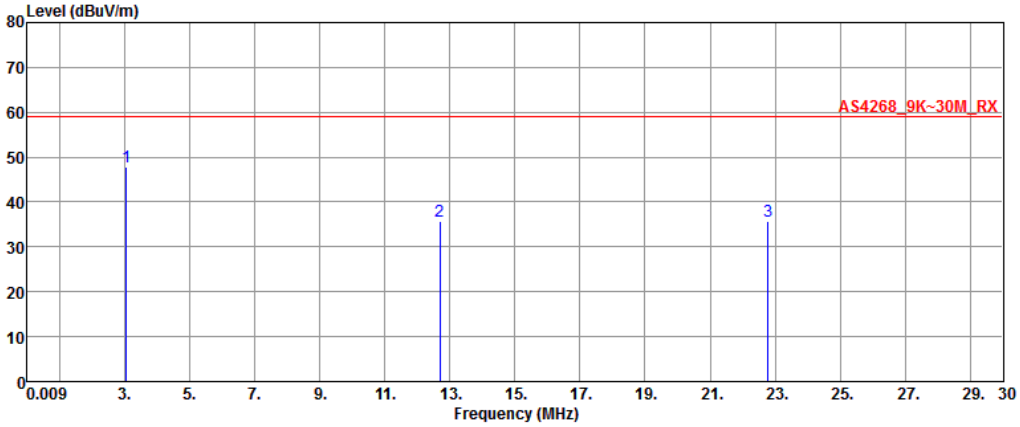
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.12	59.00	-10.88	19.55	28.57
2	12.43	34.98	59.00	-24.02	21.63	13.35
3	22.71	36.26	59.00	-22.74	22.58	13.68

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755

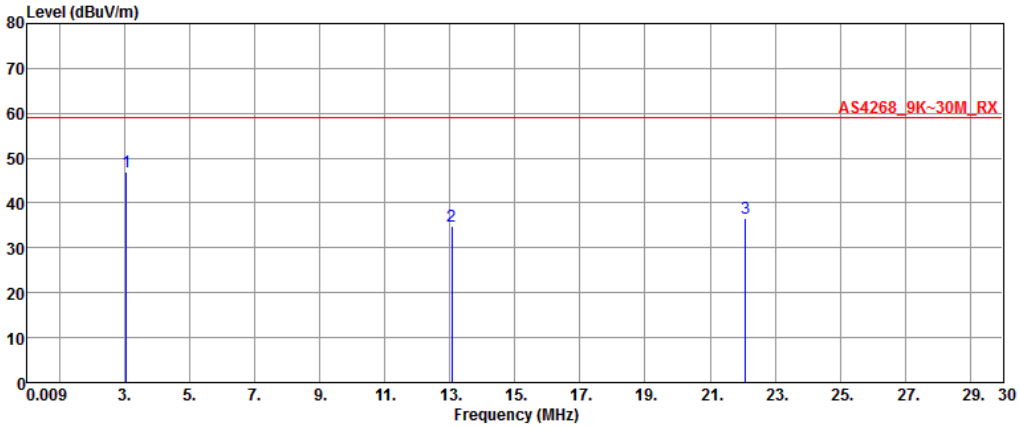


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.75	59.00	-11.25	19.55	28.20
2	12.70	35.68	59.00	-23.32	21.66	14.02
3	22.77	35.72	59.00	-23.28	22.58	13.14

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Test Configuration 4

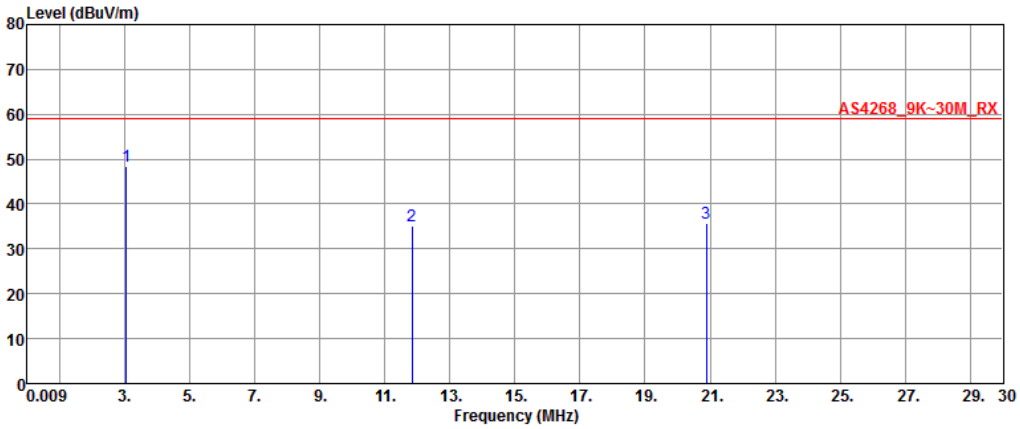
Modulation	11a	**Test Freq. (MHz)**	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.08	59.00	-11.92	19.55	27.53
2	13.06	34.91	59.00	-24.09	21.71	13.20
3	22.08	36.68	59.00	-22.32	22.56	14.12

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

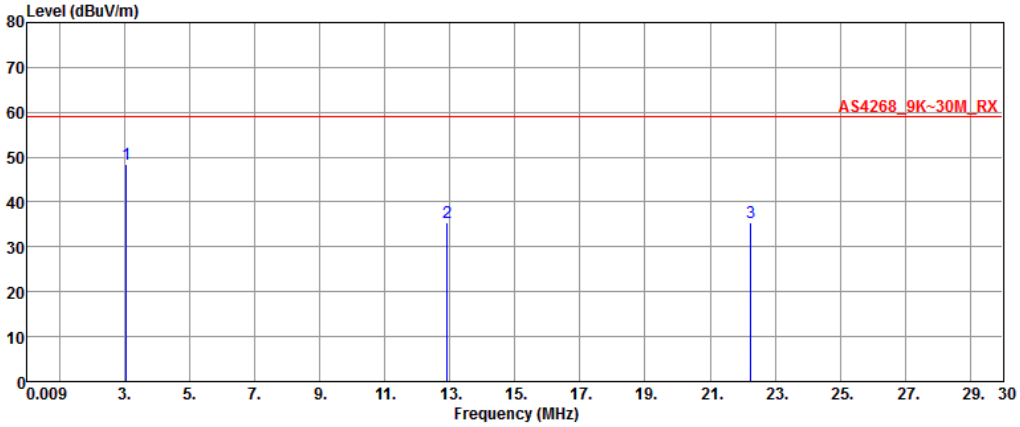
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.38	59.00	-10.62	19.55	28.83
2	11.83	35.23	59.00	-23.77	21.53	13.70
3	20.88	35.58	59.00	-23.42	22.53	13.05

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

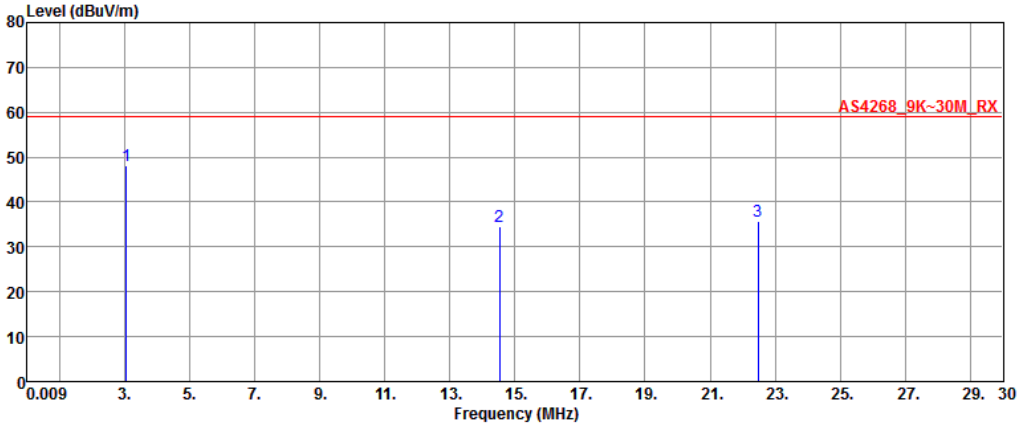
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.43	59.00	-10.57	19.55	28.88
2	12.91	35.54	59.00	-23.46	21.69	13.85
3	22.26	35.47	59.00	-23.53	22.56	12.91

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

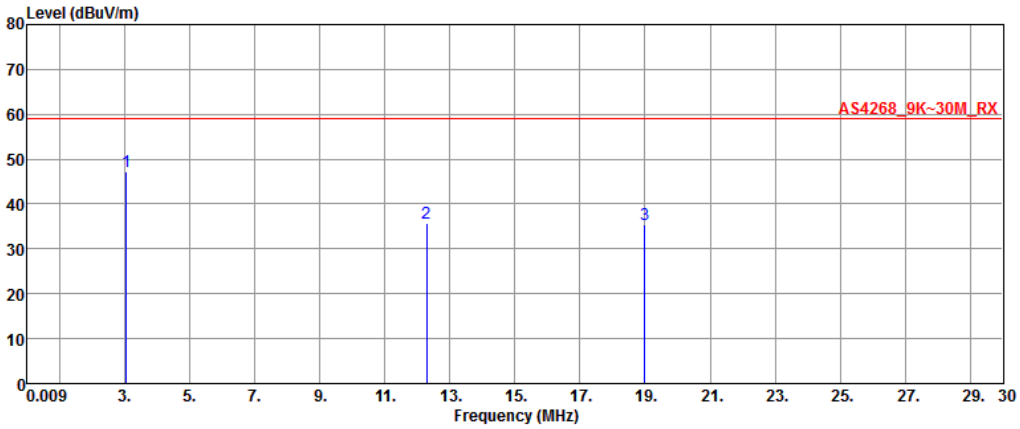
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	48.10	59.00	-10.90	19.55	28.55
2	14.52	34.67	59.00	-24.33	21.92	12.75
3	22.47	35.62	59.00	-23.38	22.58	13.04

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

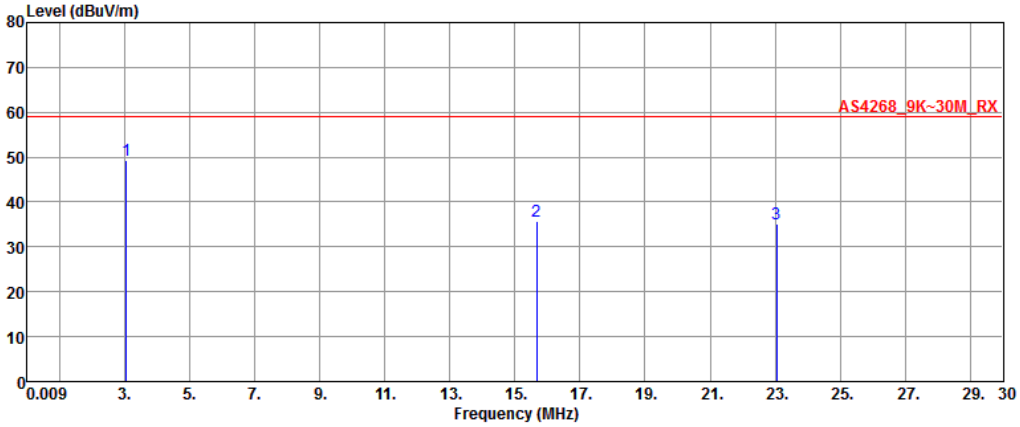
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.10	59.00	-11.90	19.55	27.55
2	12.28	35.66	59.00	-23.34	21.60	14.06
3	18.99	35.53	59.00	-23.47	22.41	13.12

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

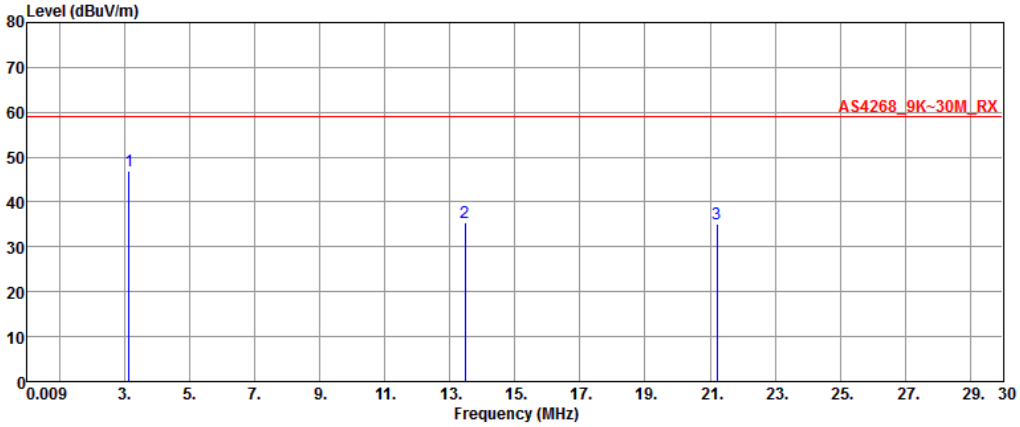
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	49.34	59.00	-9.66	19.55	29.79
2	15.66	35.79	59.00	-23.21	22.06	13.73
3	23.04	35.27	59.00	-23.73	22.59	12.68

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

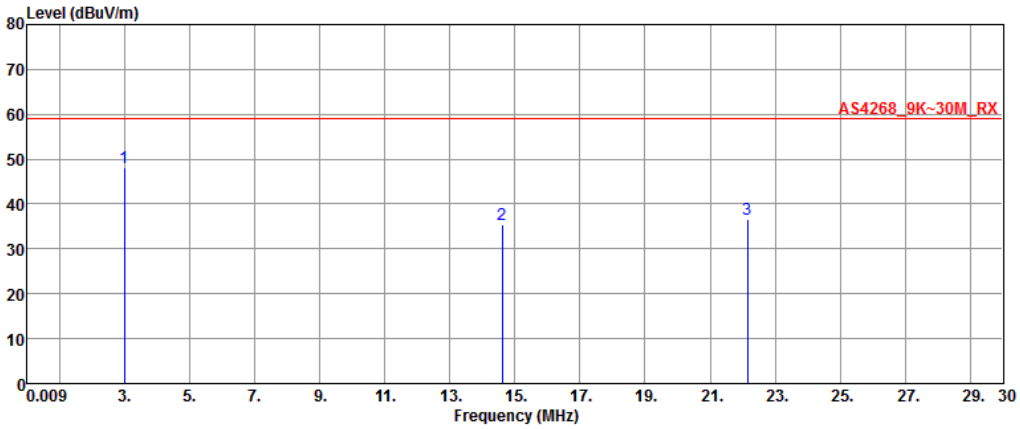
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.13	46.90	59.00	-12.10	19.61	27.29
2	13.47	35.45	59.00	-23.55	21.78	13.67
3	21.21	35.18	59.00	-23.82	22.54	12.64

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

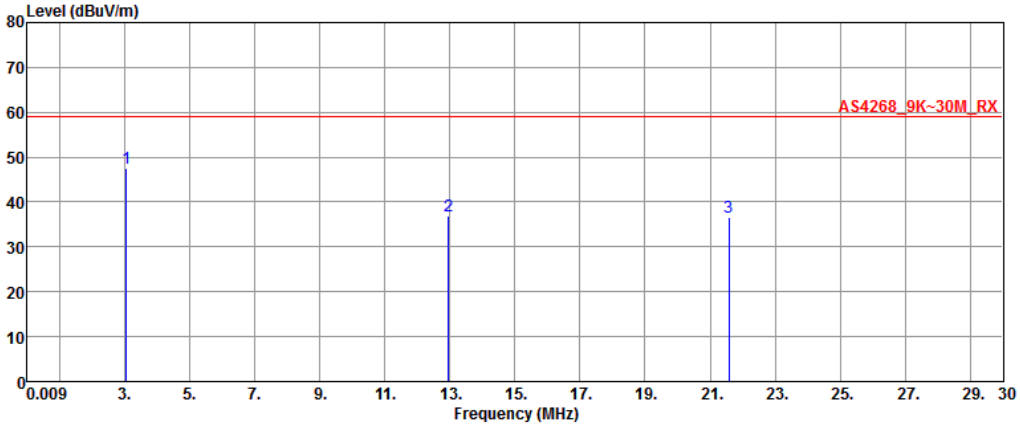
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	2.98	48.13	59.00	-10.87	19.54	28.59
2	14.61	35.40	59.00	-23.60	21.93	13.47
3	22.14	36.74	59.00	-22.26	22.56	14.18

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5755



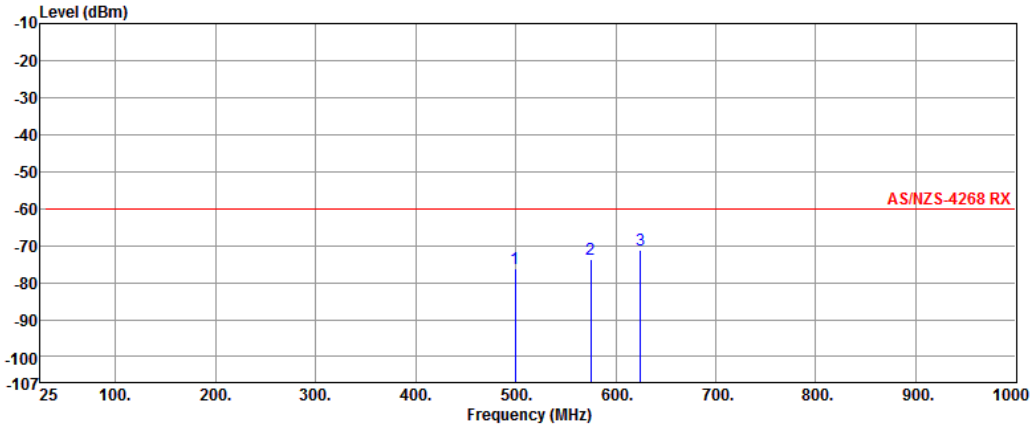
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV
1	3.04	47.49	59.00	-11.51	19.55	27.94
2	12.97	36.77	59.00	-22.23	21.70	15.07
3	21.57	36.55	59.00	-22.45	22.55	14.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Main Port

4.1.5 Receiver Conducted Unwanted Emissions (Below 1GHz)

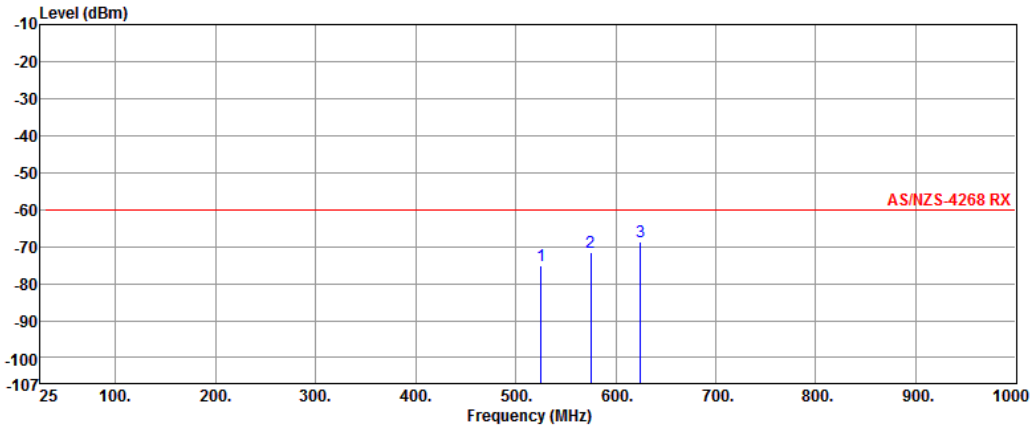
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.13	-60.01	-16.12	0.00	-76.13
2	574.90	-73.58	-60.01	-13.57	0.00	-73.58
3	624.63	-71.07	-60.01	-11.06	0.00	-71.07

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

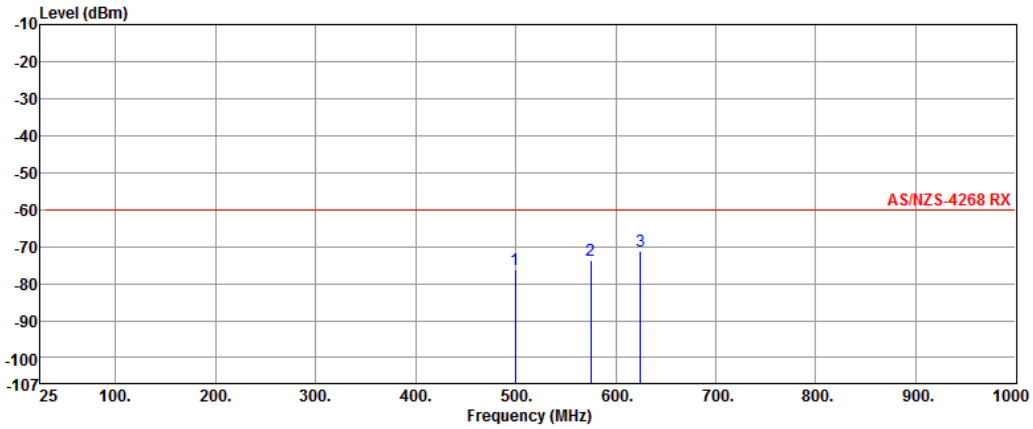
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	525.18	-75.32	-60.01	-15.31	0.00	-75.32
2	574.90	-71.61	-60.01	-11.60	0.00	-71.61
3	624.63	-68.73	-60.01	-8.72	0.00	-68.73

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

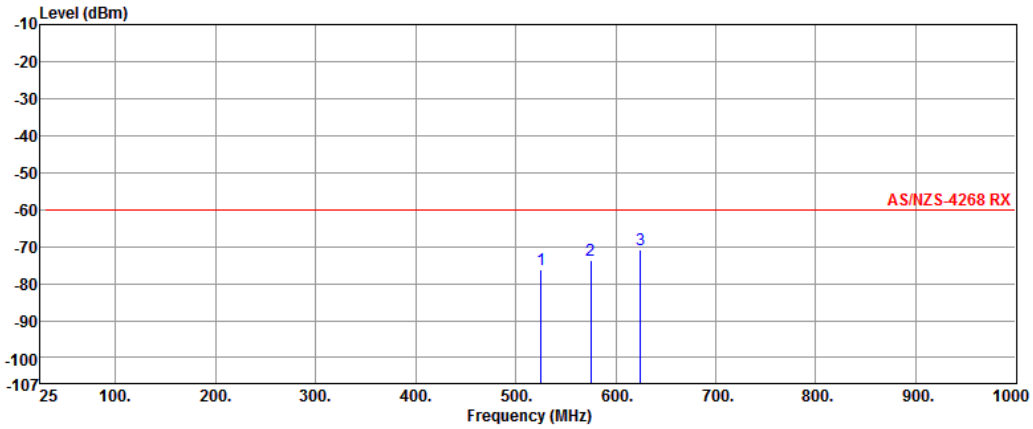
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.33	-60.01	-16.32	0.00	-76.33
2	574.90	-73.75	-60.01	-13.74	0.00	-73.75
3	624.63	-71.20	-60.01	-11.19	0.00	-71.20

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

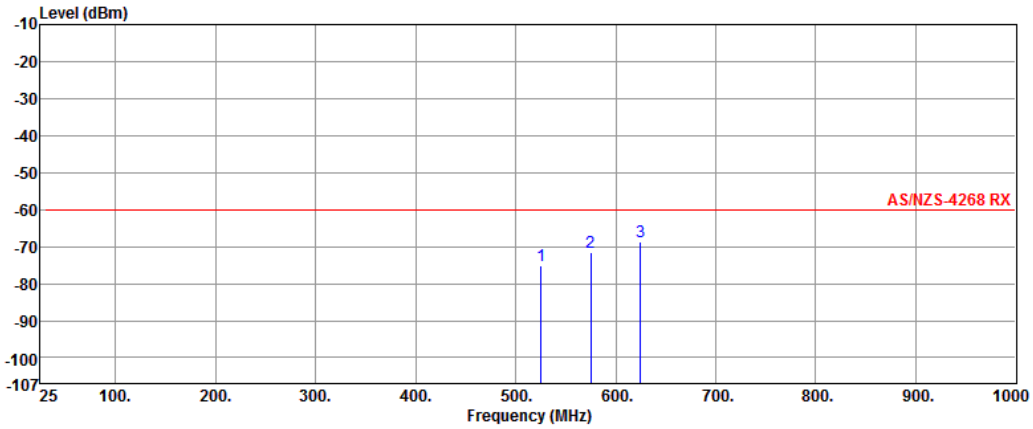
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	525.18	-76.29	-60.01	-16.28	0.00	-76.29
2	574.90	-73.61	-60.01	-13.60	0.00	-73.61
3	624.63	-70.89	-60.01	-10.88	0.00	-70.89

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

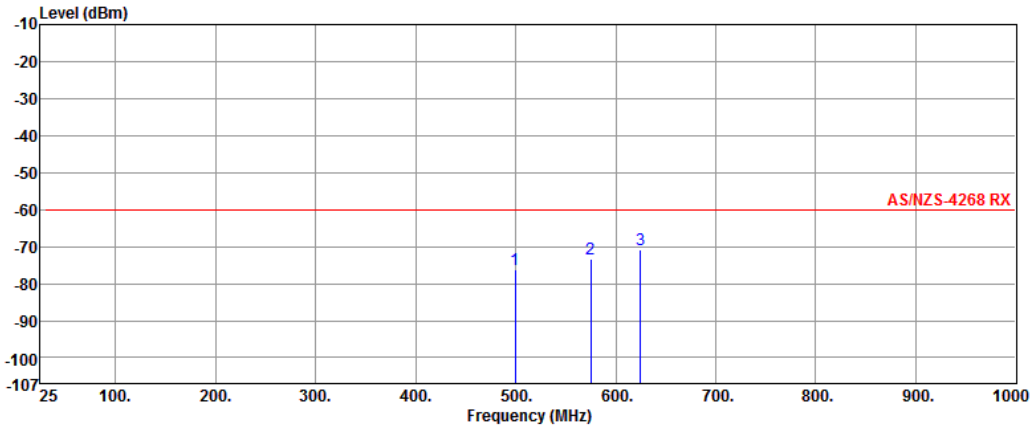
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	525.18	-75.15	-60.01	-15.14	0.00	-75.15
2	574.90	-71.45	-60.01	-11.44	0.00	-71.45
3	624.63	-68.76	-60.01	-8.75	0.00	-68.76

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

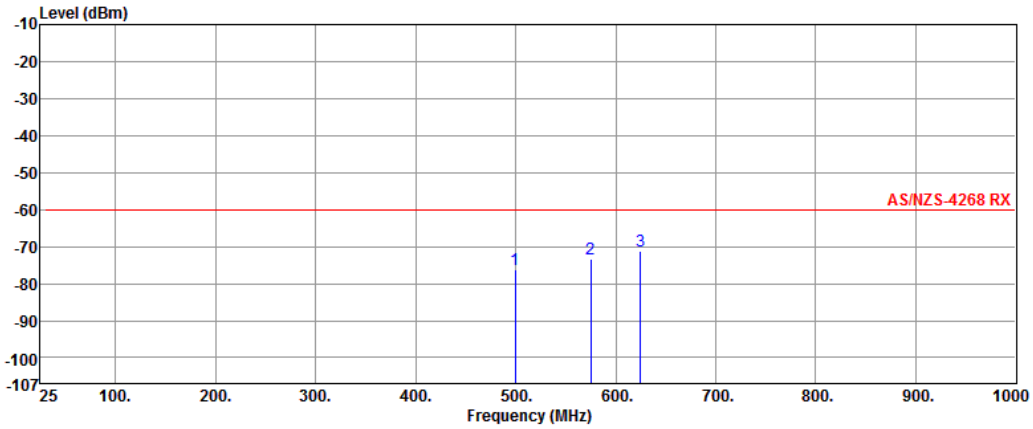
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.21	-60.01	-16.20	0.00	-76.21
2	574.90	-73.41	-60.01	-13.40	0.00	-73.41
3	624.63	-70.78	-60.01	-10.77	0.00	-70.78

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

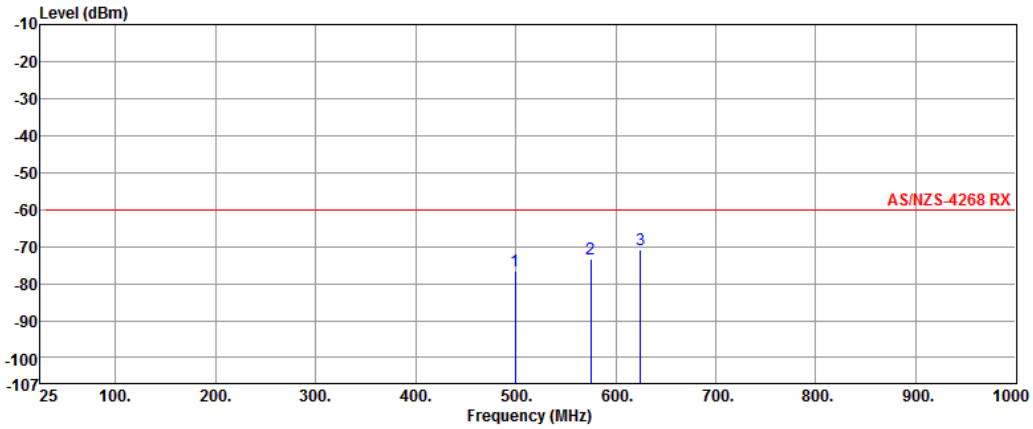
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.24	-60.01	-16.23	0.00	-76.24
2	574.90	-73.42	-60.01	-13.41	0.00	-73.42
3	624.63	-71.17	-60.01	-11.16	0.00	-71.17

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

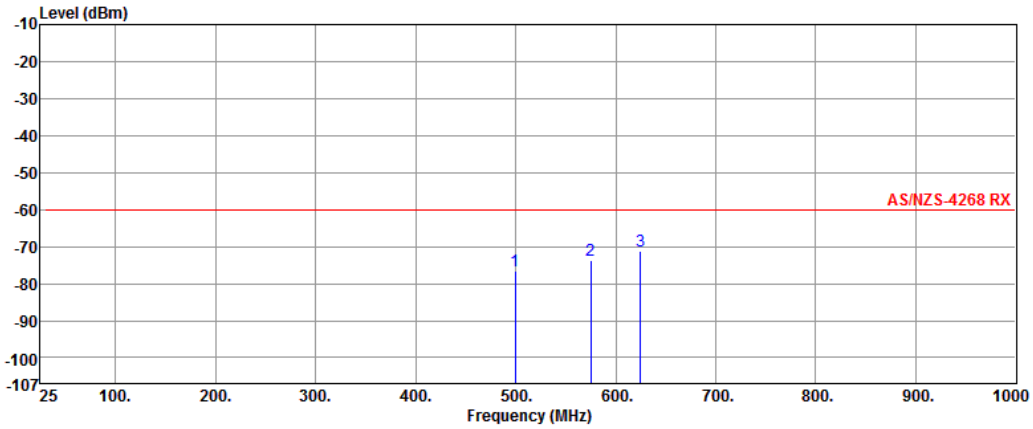
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.44	-60.01	-16.43	0.00	-76.44
2	574.90	-73.52	-60.01	-13.51	0.00	-73.52
3	624.63	-70.88	-60.01	-10.87	0.00	-70.88

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775

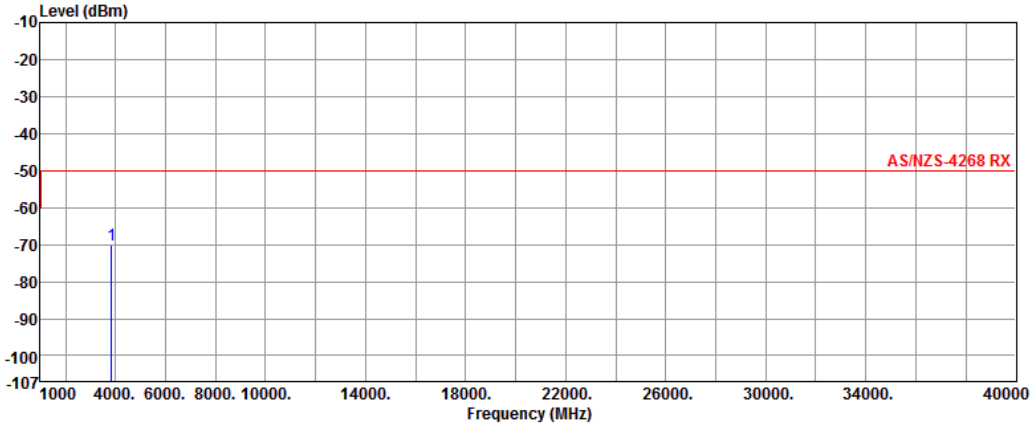


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	499.83	-76.47	-60.01	-16.46	0.00	-76.47
2	574.90	-73.60	-60.01	-13.59	0.00	-73.60
3	624.63	-71.17	-60.01	-11.16	0.00	-71.17

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

4.1.6 Receiver Conducted Unwanted Emissions (Above 1GHz)

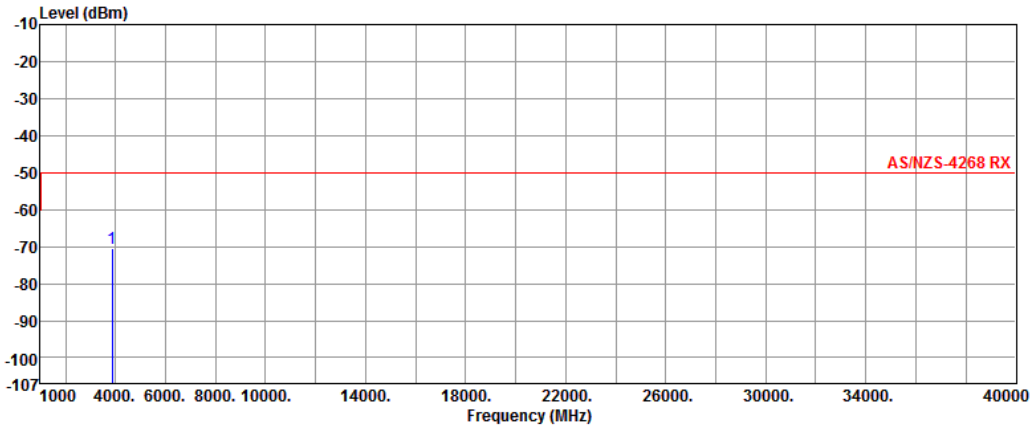
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.33	-70.21	-50.01	-20.20	0.00	-70.21

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

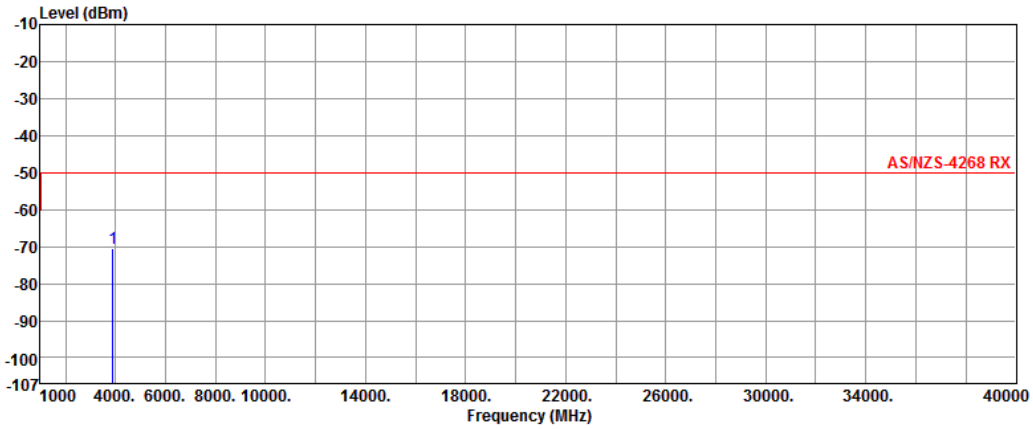
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.06	-70.35	-50.01	-20.34	0.00	-70.35

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

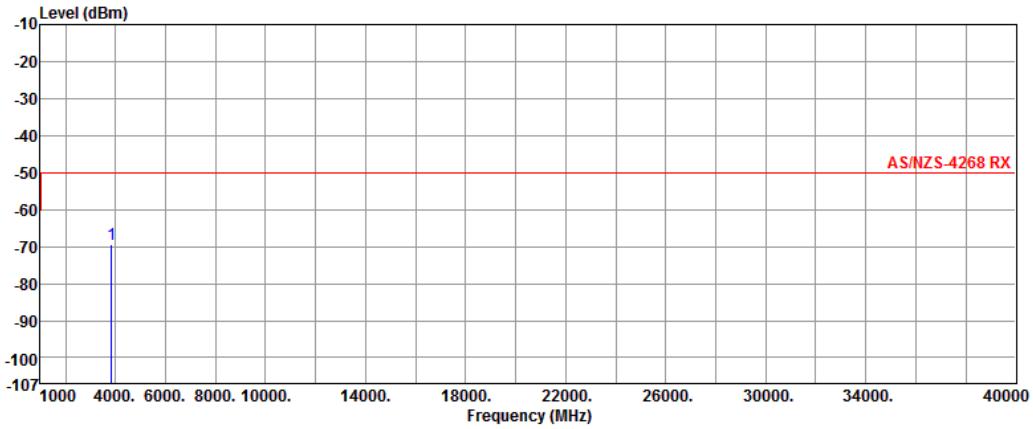
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.00	-70.60	-50.01	-20.59	0.00	-70.60

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

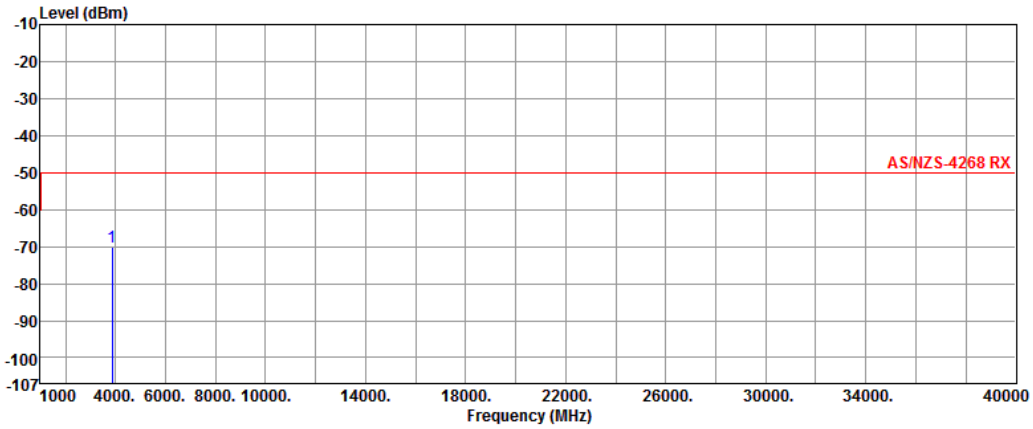
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.67	-69.31	-50.01	-19.30	0.00	-69.31

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

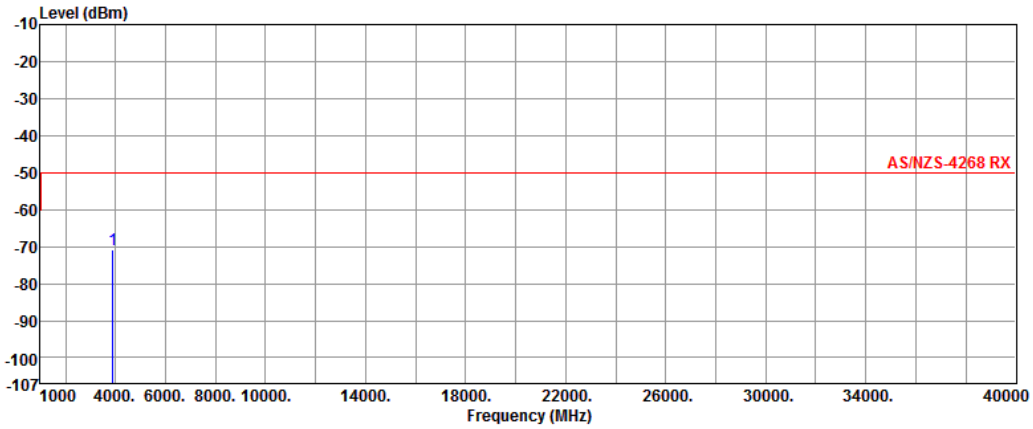
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.25	-70.28	-50.01	-20.27	0.00	-70.28

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

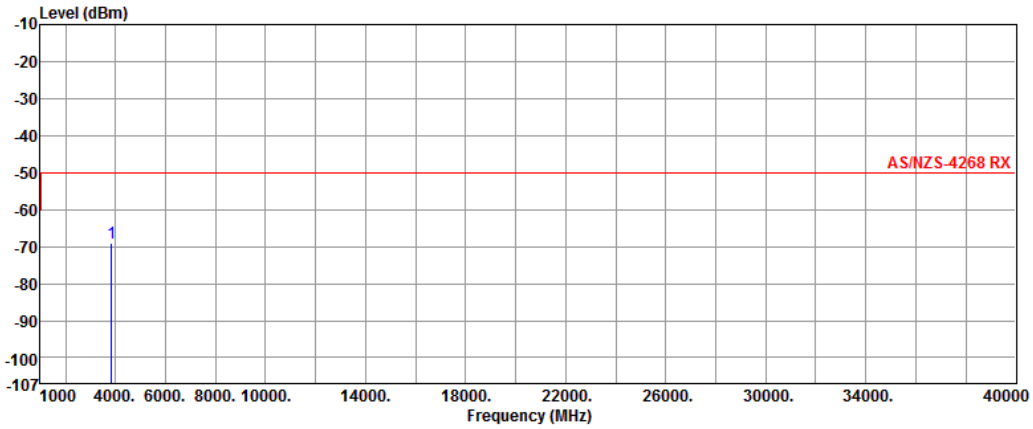
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.22	-70.82	-50.01	-20.81	0.00	-70.82

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

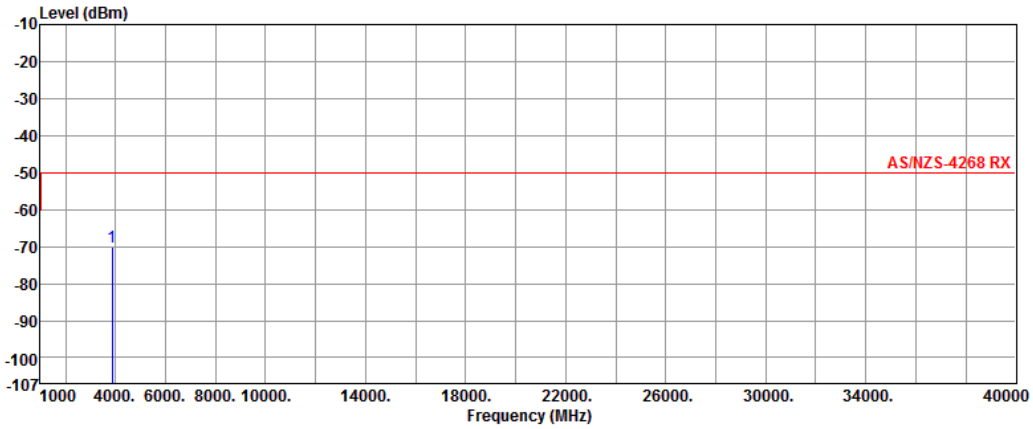
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3836.70	-68.97	-50.01	-18.96	0.00	-68.97

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

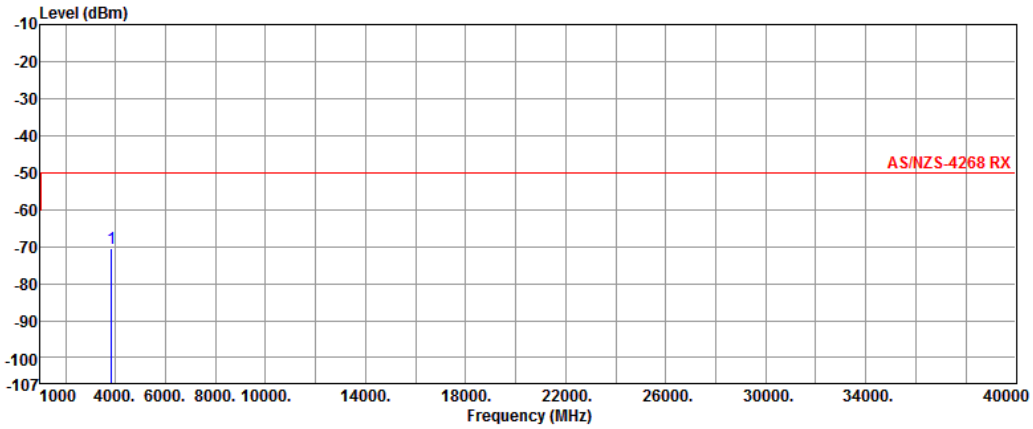
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3863.64	-70.14	-50.01	-20.13	0.00	-70.14

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775



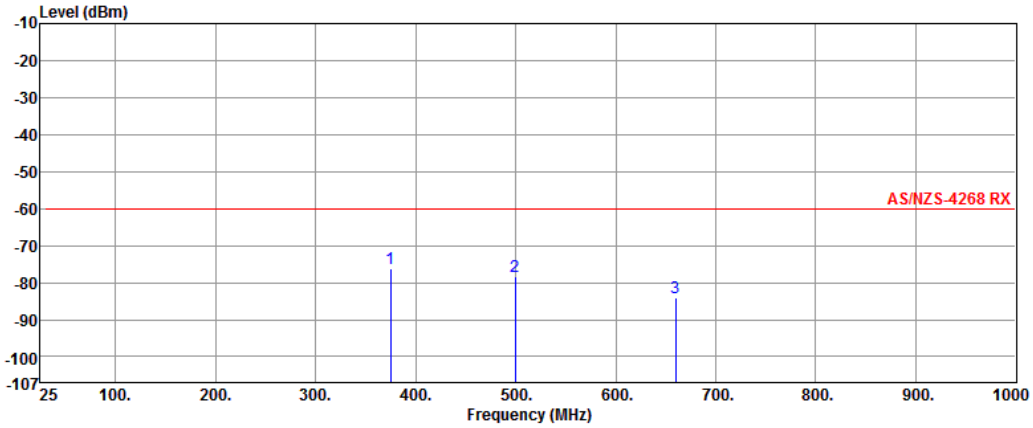
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3849.75	-70.64	-50.01	-20.63	0.00	-70.64

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Aux Port

4.1.7 Receiver Conducted Unwanted Emissions (Below 1GHz)

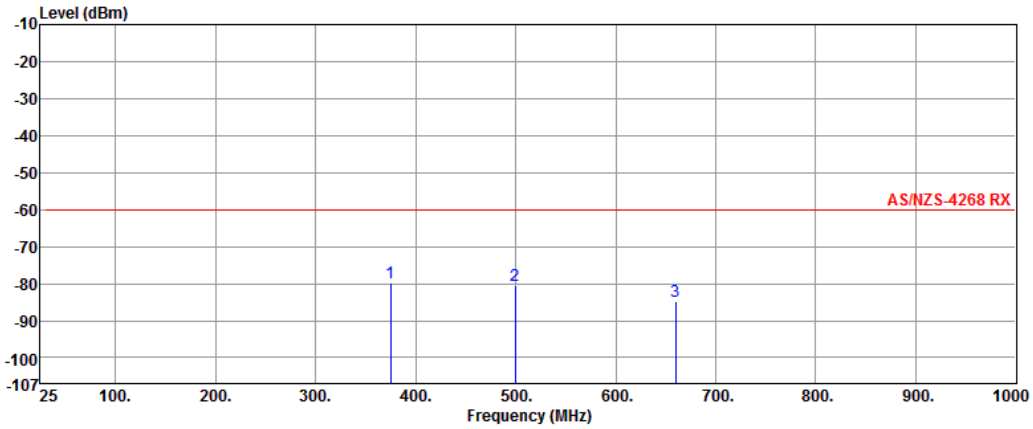
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-76.21	-60.01	-16.20	0.00	-76.21
2	499.83	-78.36	-60.01	-18.35	0.00	-78.36
3	660.00	-84.17	-60.01	-24.16	0.00	-84.17

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

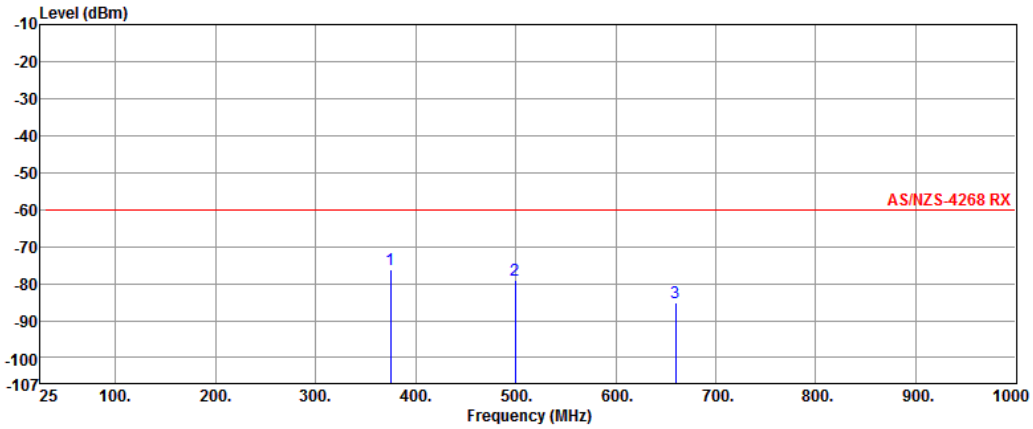
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-79.73	-60.01	-19.72	0.00	-79.73
2	499.83	-80.40	-60.01	-20.39	0.00	-80.40
3	659.73	-84.72	-60.01	-24.71	0.00	-84.72

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

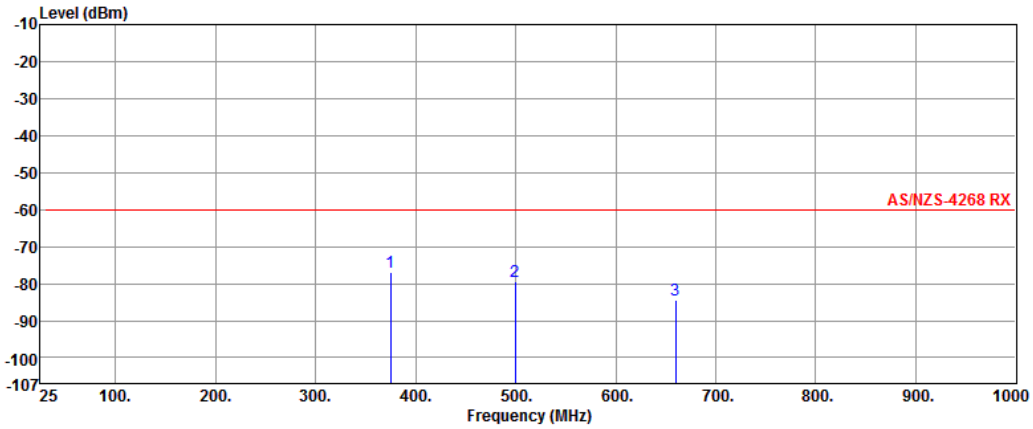
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-76.20	-60.01	-16.19	0.00	-76.20
2	499.83	-79.13	-60.01	-19.12	0.00	-79.13
3	660.00	-85.00	-60.01	-24.99	0.00	-85.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

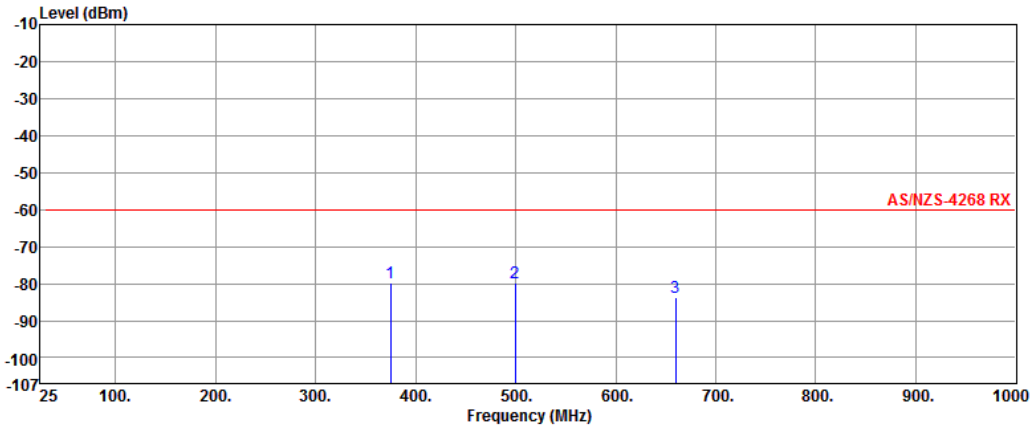
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-76.89	-60.01	-16.88	0.00	-76.89
2	499.83	-79.45	-60.01	-19.44	0.00	-79.45
3	660.00	-84.42	-60.01	-24.41	0.00	-84.42

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

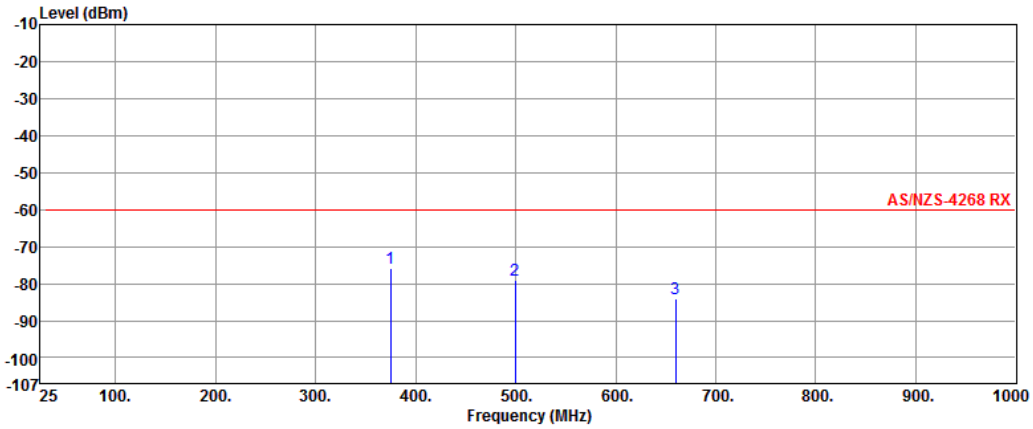
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-79.82	-60.01	-19.81	0.00	-79.82
2	499.83	-79.92	-60.01	-19.91	0.00	-79.92
3	660.02	-83.56	-60.01	-23.55	0.00	-83.56

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

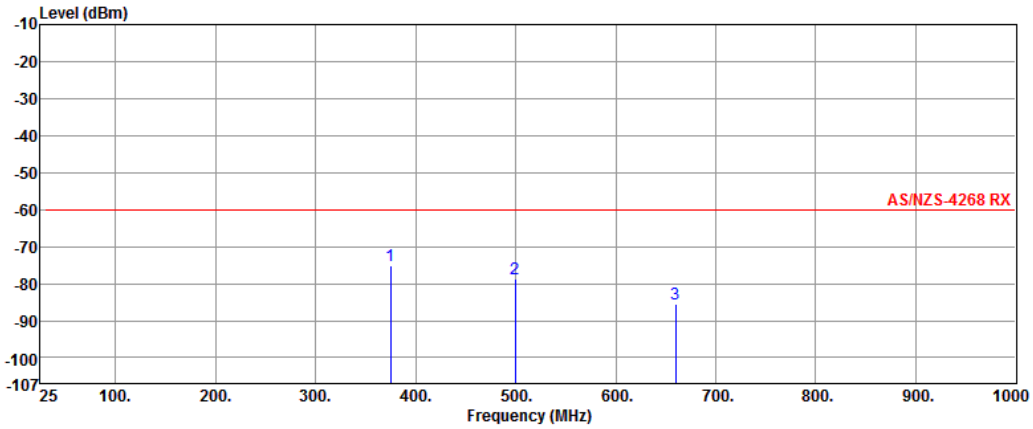
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-76.03	-60.01	-16.02	0.00	-76.03
2	499.83	-79.06	-60.01	-19.05	0.00	-79.06
3	659.73	-84.02	-60.01	-24.01	0.00	-84.02

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

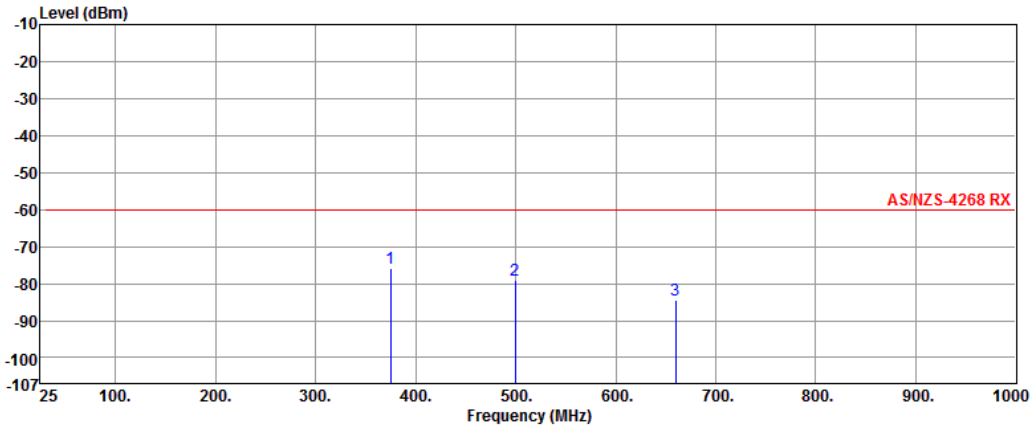
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-75.30	-60.01	-15.29	0.00	-75.30
2	499.83	-78.63	-60.01	-18.62	0.00	-78.63
3	659.73	-85.47	-60.01	-25.46	0.00	-85.47

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

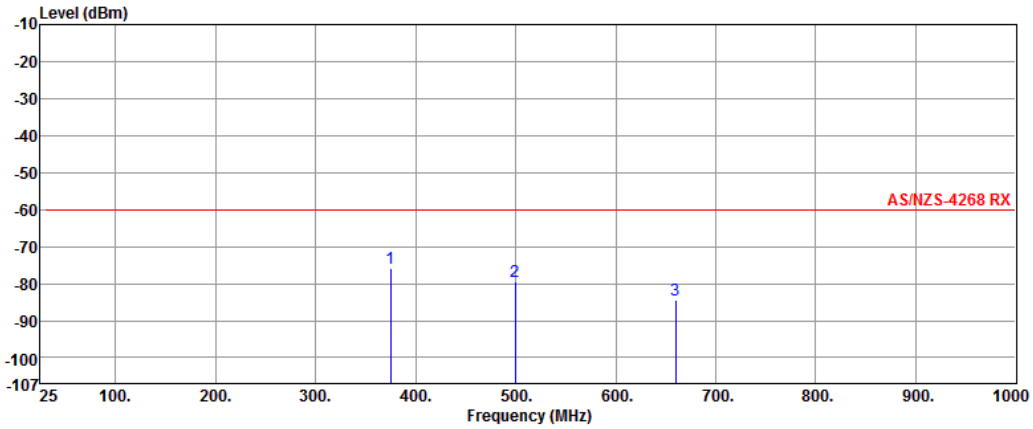
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-75.88	-60.01	-15.87	0.00	-75.88
2	499.83	-79.13	-60.01	-19.12	0.00	-79.13
3	660.00	-84.39	-60.01	-24.38	0.00	-84.39

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775

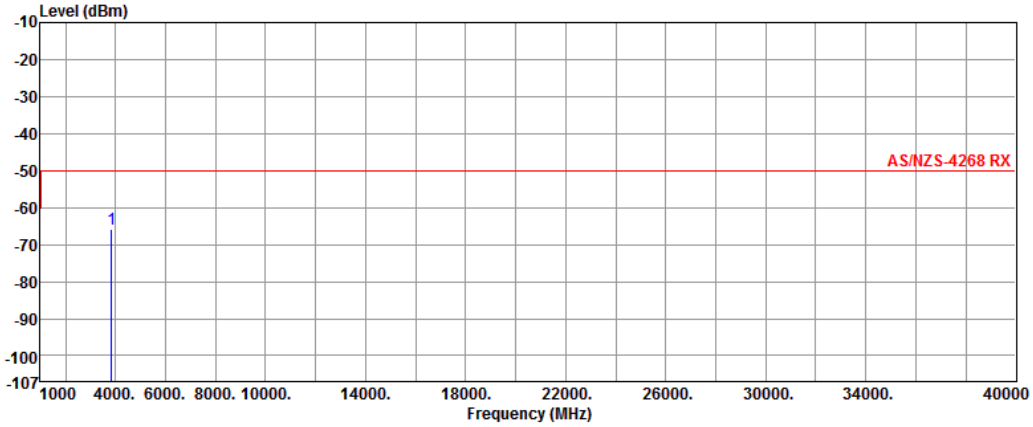


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-75.99	-60.01	-15.98	0.00	-75.99
2	499.83	-79.56	-60.01	-19.55	0.00	-79.56
3	659.73	-84.63	-60.01	-24.62	0.00	-84.63

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

4.1.8 Receiver Conducted Unwanted Emissions (Above 1GHz)

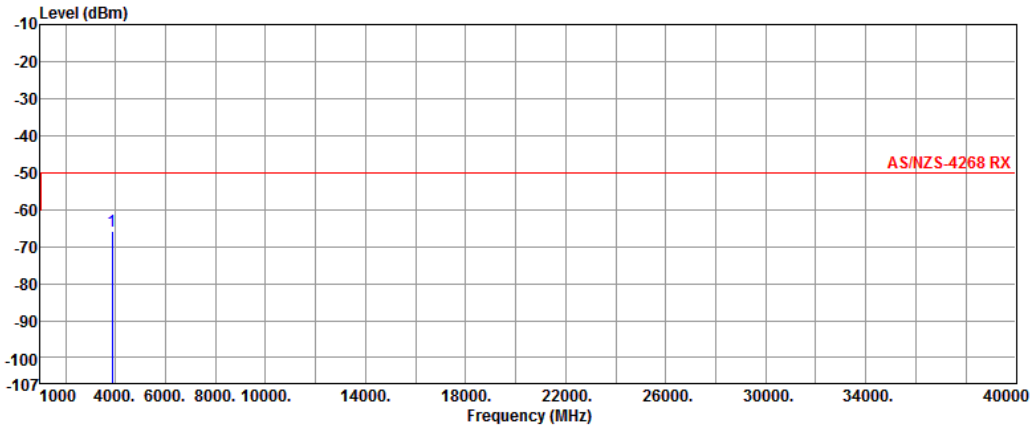
Modulation	11a	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3829.80	-65.71	-50.01	-15.70	0.00	-65.71

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

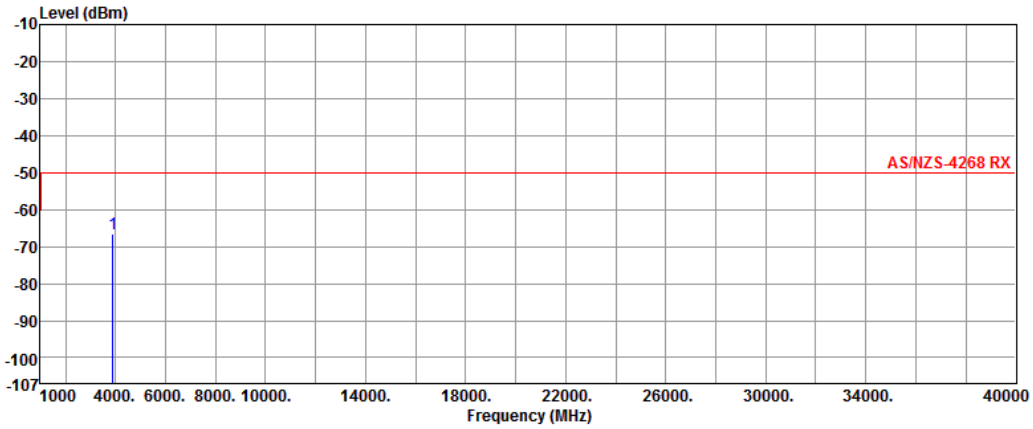
Modulation	11a	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.61	-65.99	-50.01	-15.98	0.00	-65.99

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

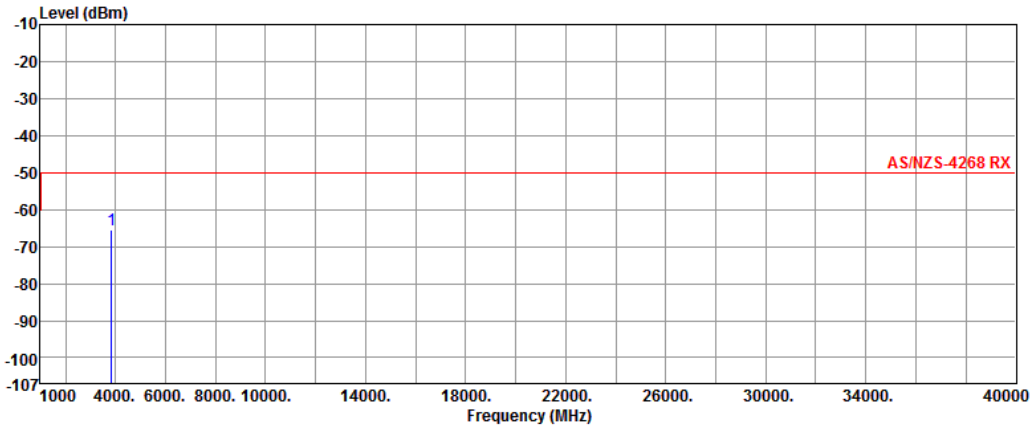
Modulation	11a	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.31	-66.56	-50.01	-16.55	0.00	-66.56

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

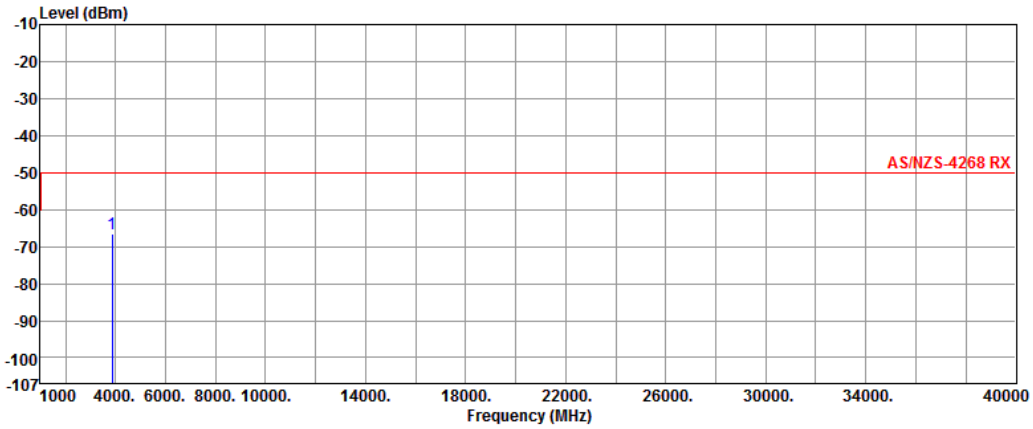
Modulation	VHT20	Test Freq. (MHz)	5745



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.04	-65.47	-50.01	-15.46	0.00	-65.47

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

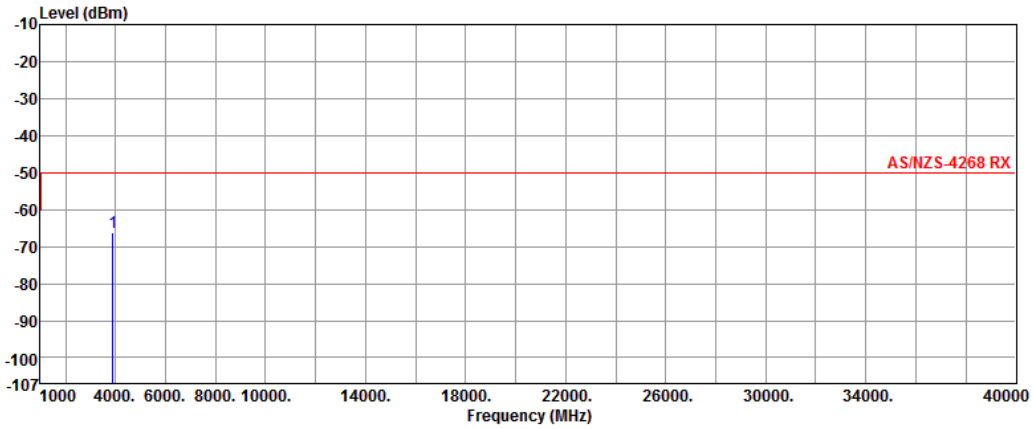
Modulation	VHT20	Test Freq. (MHz)	5785



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.65	-66.48	-50.01	-16.47	0.00	-66.48

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

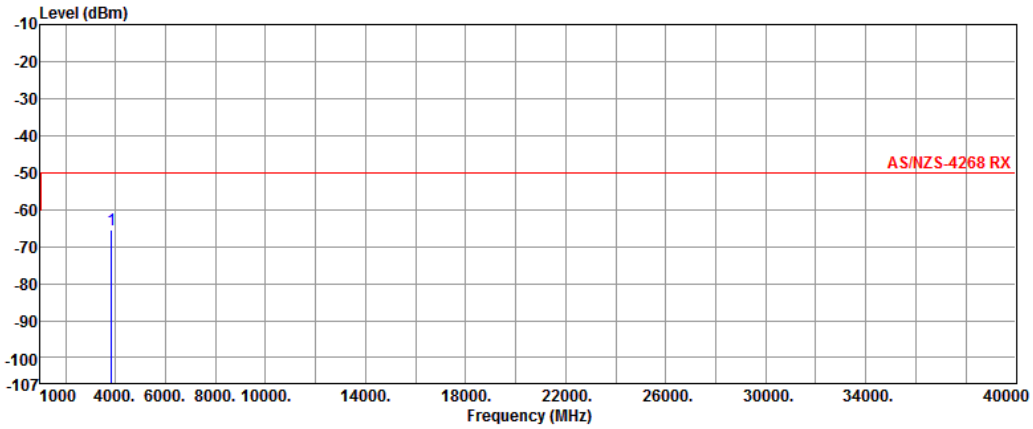
Modulation	VHT20	Test Freq. (MHz)	5825



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.43	-66.19	-50.01	-16.18	0.00	-66.19

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

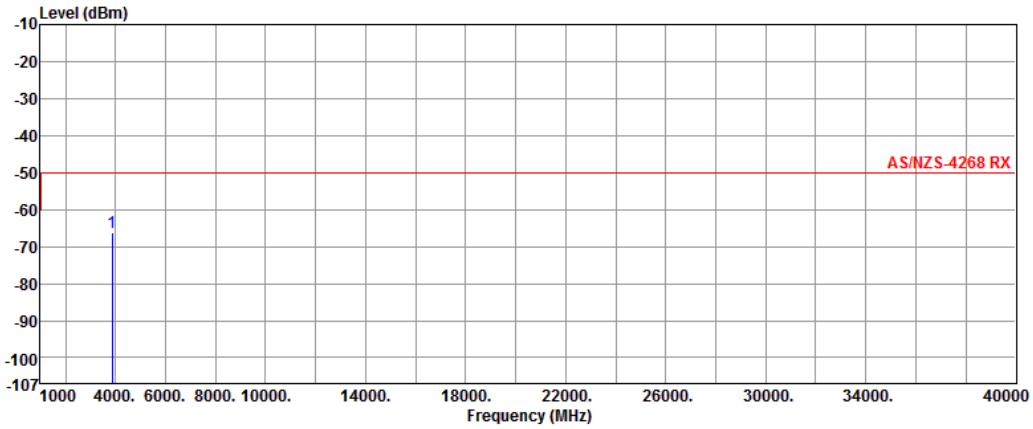
Modulation	VHT40	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3836.77	-65.42	-50.01	-15.41	0.00	-65.42

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

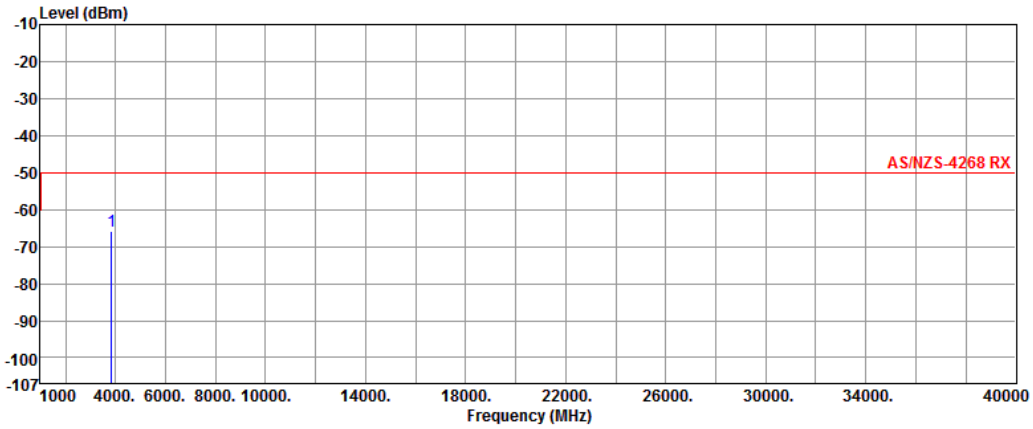
Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3863.69	-66.03	-50.01	-16.02	0.00	-66.03

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775

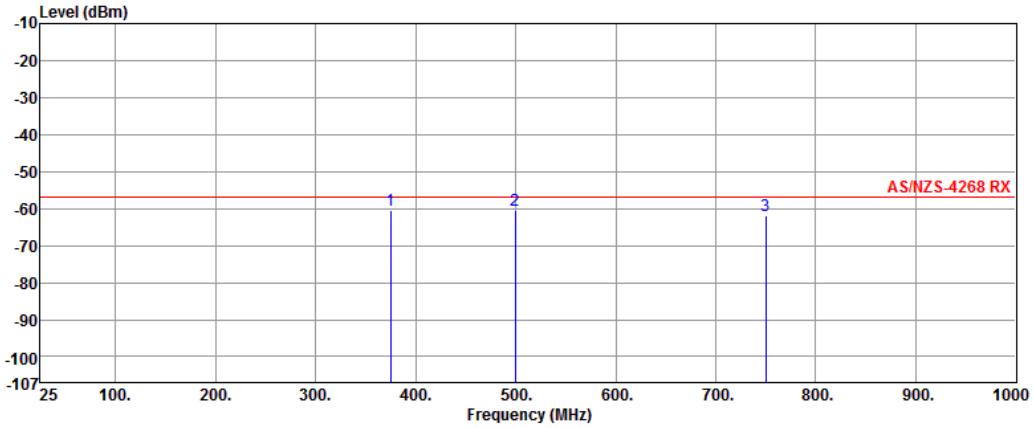


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3849.89	-65.76	-50.01	-15.75	0.00	-65.76

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

4.1.9 Receiver Spurious Emissions (Below 1GHz)

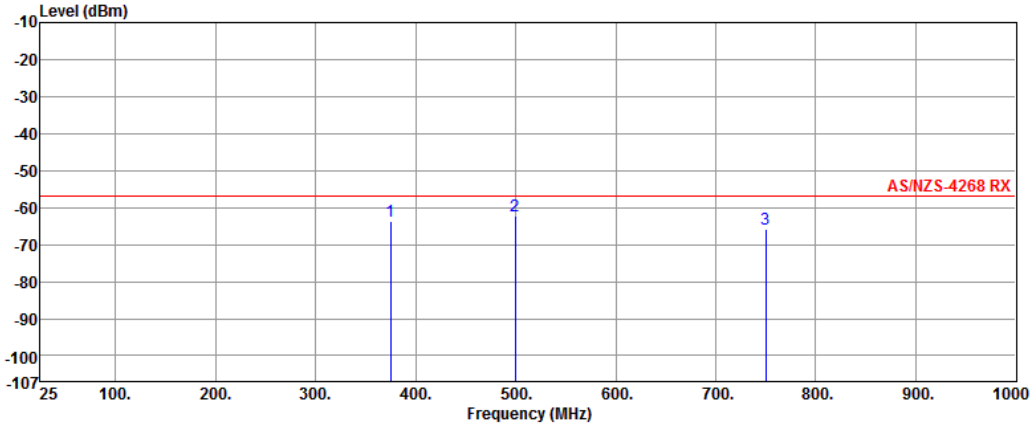
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.35	-57.00	-3.35	2.17	-62.52
2	499.83	-60.45	-57.00	-3.45	5.59	-66.04
3	750.40	-62.00	-57.00	-5.00	10.10	-72.10

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

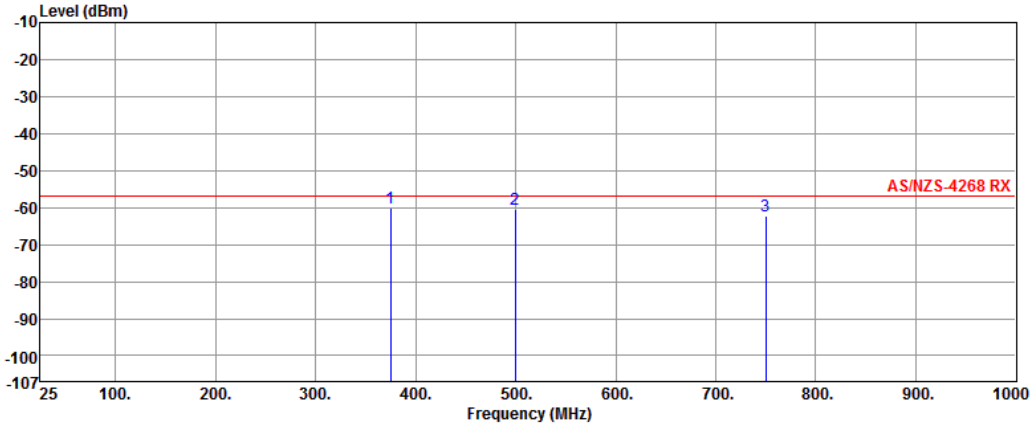
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-63.56	-57.00	-6.56	2.88	-66.44
2	499.83	-62.40	-57.00	-5.40	5.50	-67.90
3	750.40	-65.92	-57.00	-8.92	10.08	-76.00

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

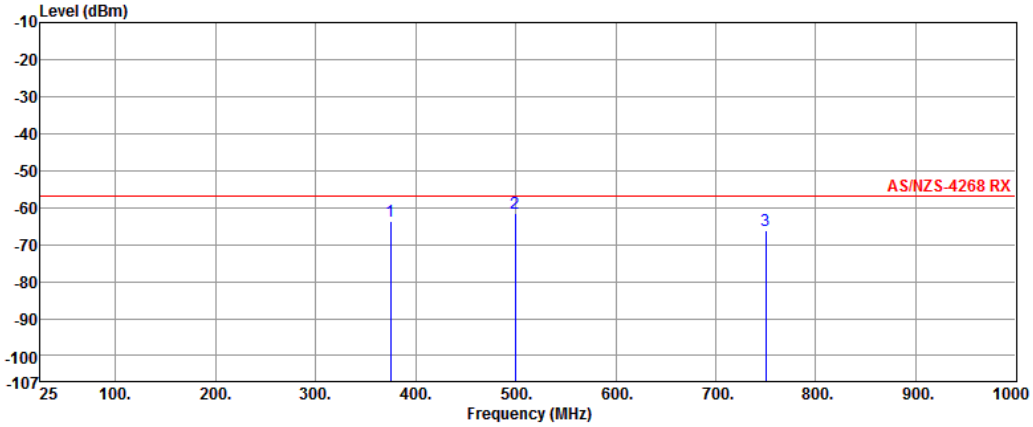
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.03	-57.00	-3.03	2.17	-62.20
2	499.83	-60.56	-57.00	-3.56	5.59	-66.15
3	750.40	-62.17	-57.00	-5.17	10.10	-72.27

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

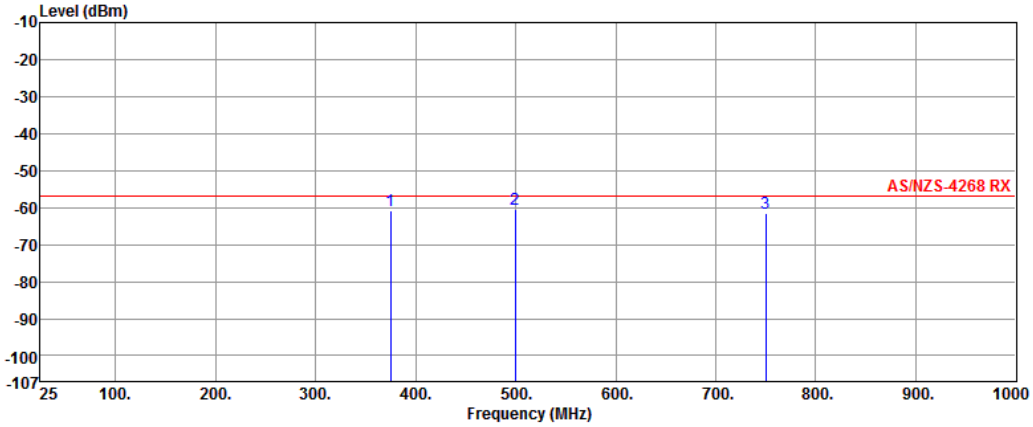
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-63.72	-57.00	-6.72	2.88	-66.60
2	499.83	-61.60	-57.00	-4.60	5.50	-67.10
3	750.40	-66.02	-57.00	-9.02	10.08	-76.10

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

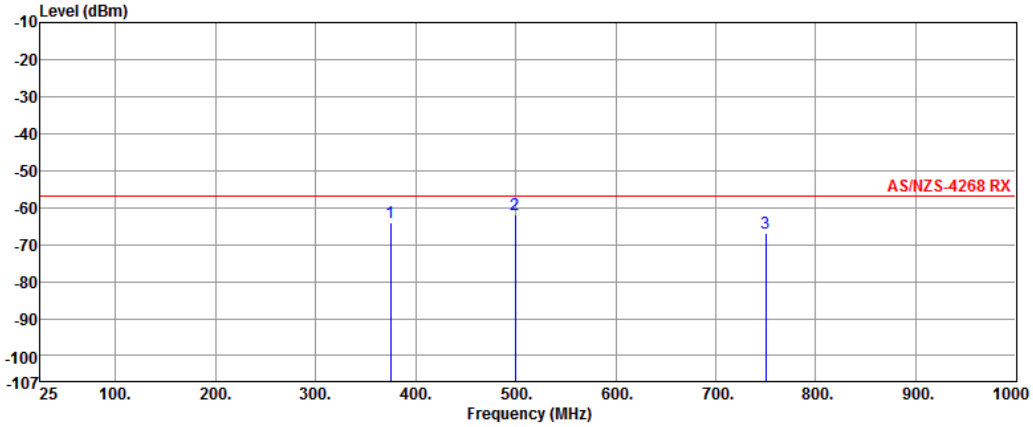
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.71	-57.00	-3.71	2.17	-62.88
2	499.83	-60.56	-57.00	-3.56	5.59	-66.15
3	750.40	-61.53	-57.00	-4.53	10.10	-71.63

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

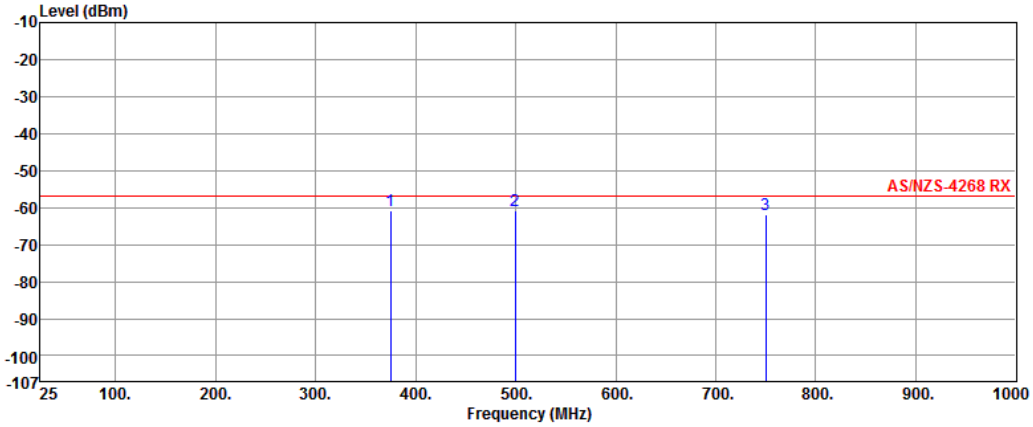
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-64.19	-57.00	-7.19	2.88	-67.07
2	499.83	-62.03	-57.00	-5.03	5.50	-67.53
3	750.40	-66.73	-57.00	-9.73	10.08	-76.81

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

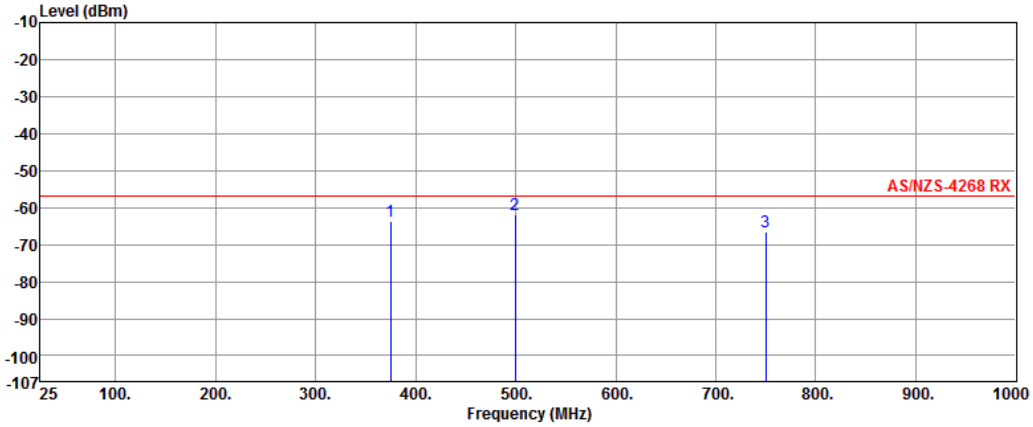
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.68	-57.00	-3.68	2.17	-62.85
2	499.83	-60.85	-57.00	-3.85	5.59	-66.44
3	750.40	-62.04	-57.00	-5.04	10.10	-72.14

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

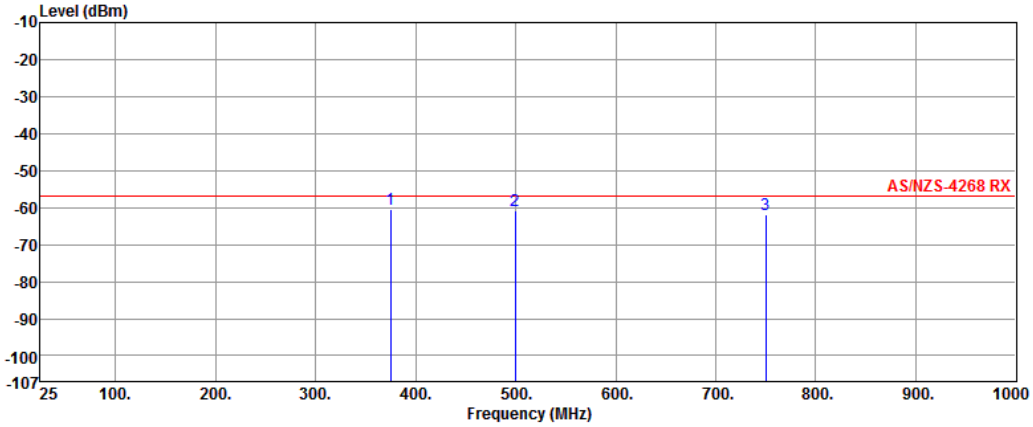
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-63.86	-57.00	-6.86	2.88	-66.74
2	499.83	-61.89	-57.00	-4.89	5.50	-67.39
3	750.40	-66.62	-57.00	-9.62	10.08	-76.70

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

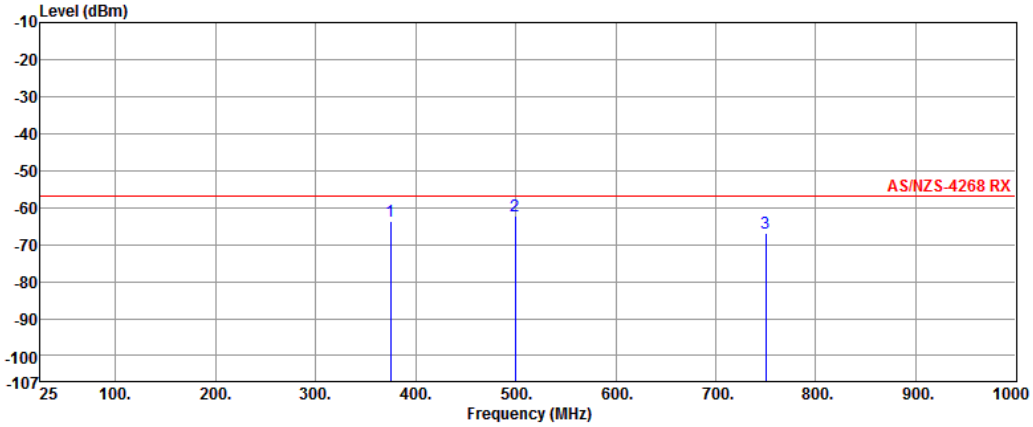
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.36	-57.00	-3.36	2.17	-62.53
2	499.83	-60.90	-57.00	-3.90	5.59	-66.49
3	750.40	-62.04	-57.00	-5.04	10.10	-72.14

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

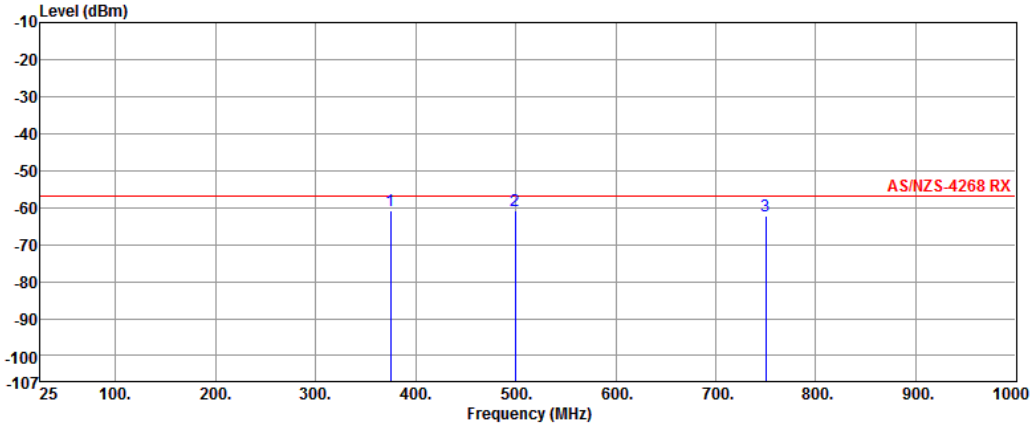
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-63.84	-57.00	-6.84	2.88	-66.72
2	499.83	-62.37	-57.00	-5.37	5.50	-67.87
3	750.40	-66.96	-57.00	-9.96	10.08	-77.04

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

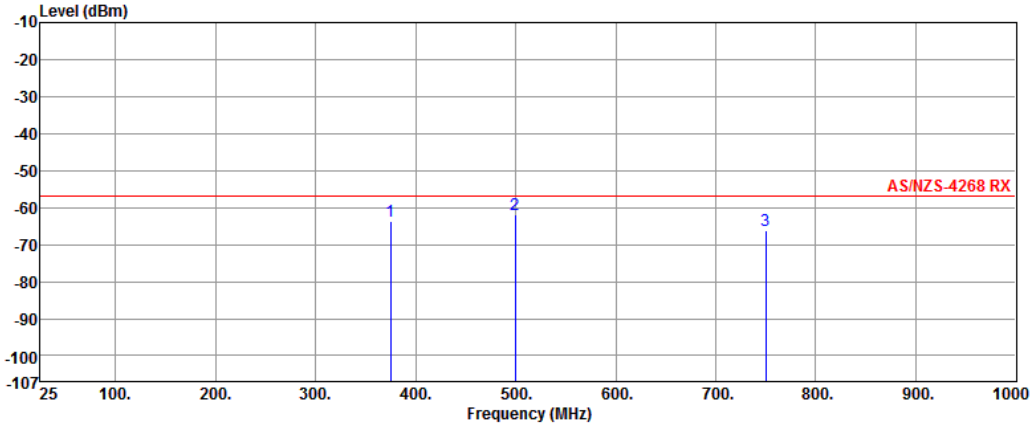
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.66	-57.00	-3.66	2.17	-62.83
2	499.83	-60.67	-57.00	-3.67	5.59	-66.26
3	750.40	-62.09	-57.00	-5.09	10.10	-72.19

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

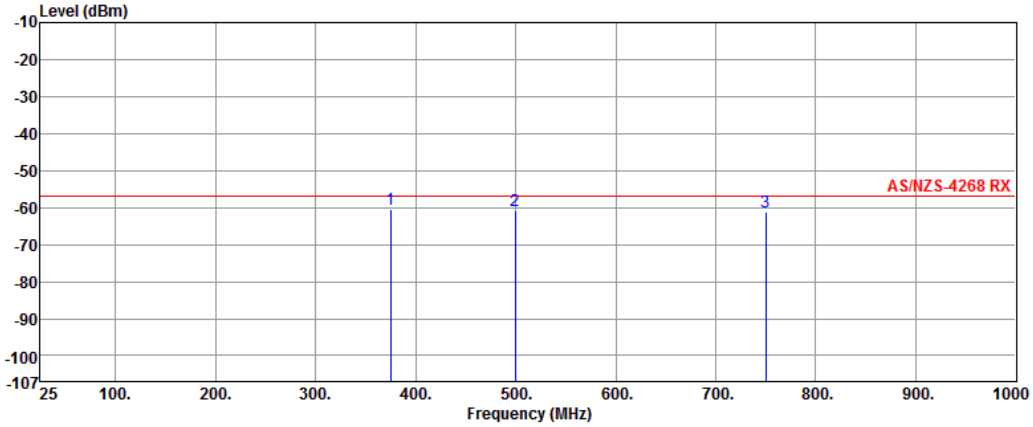
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-63.80	-57.00	-6.80	2.88	-66.68
2	499.83	-61.82	-57.00	-4.82	5.50	-67.32
3	750.40	-66.28	-57.00	-9.28	10.08	-76.36

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

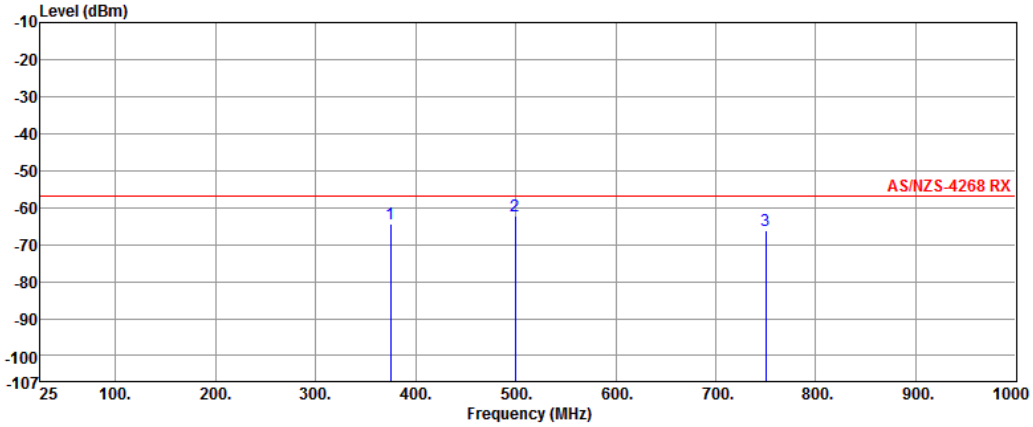
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.48	-57.00	-3.48	2.17	-62.65
2	499.83	-60.79	-57.00	-3.79	5.59	-66.38
3	750.40	-61.36	-57.00	-4.36	10.10	-71.46

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

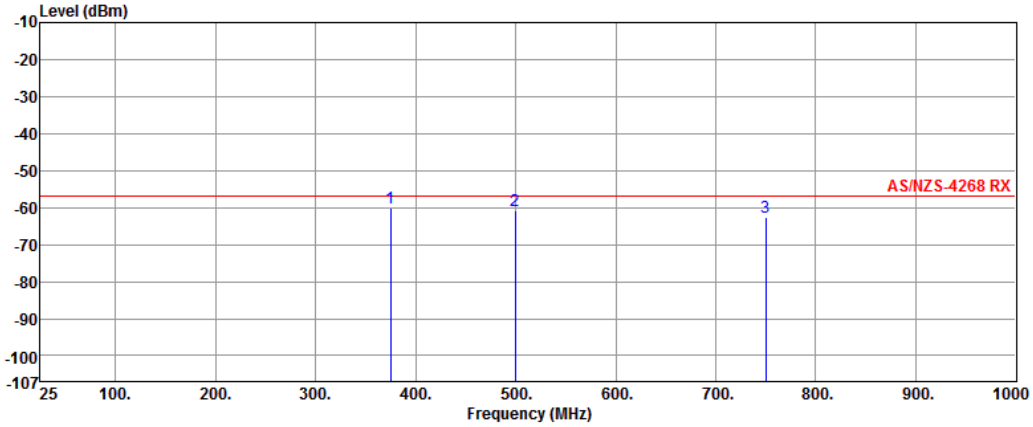
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-64.26	-57.00	-7.26	2.88	-67.14
2	499.83	-62.15	-57.00	-5.15	5.50	-67.65
3	750.40	-66.32	-57.00	-9.32	10.08	-76.40

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

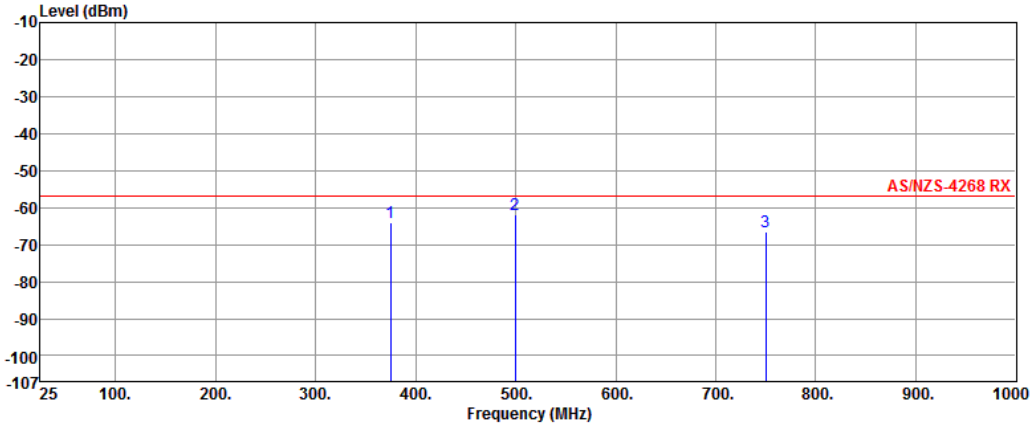
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.22	-57.00	-3.22	2.17	-62.39
2	499.83	-60.83	-57.00	-3.83	5.59	-66.42
3	750.40	-62.67	-57.00	-5.67	10.10	-72.77

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

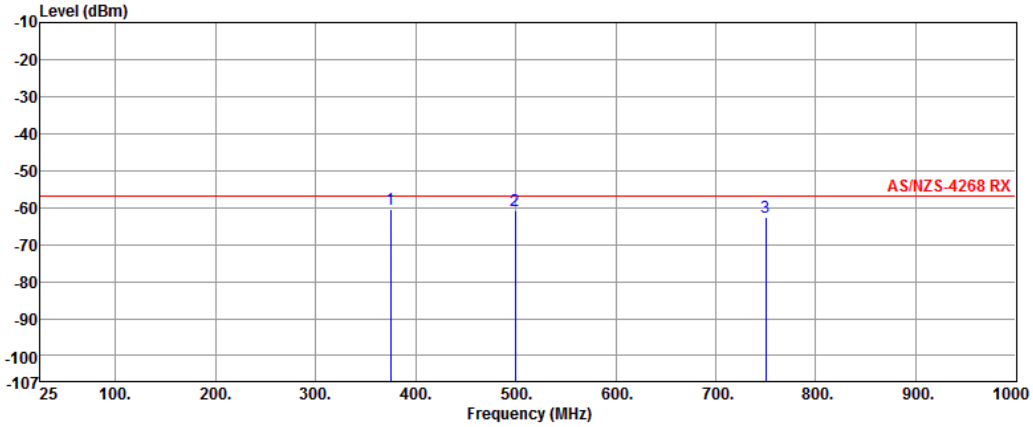
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-64.12	-57.00	-7.12	2.88	-67.00
2	499.83	-61.95	-57.00	-4.95	5.50	-67.45
3	750.40	-66.73	-57.00	-9.73	10.08	-76.81

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

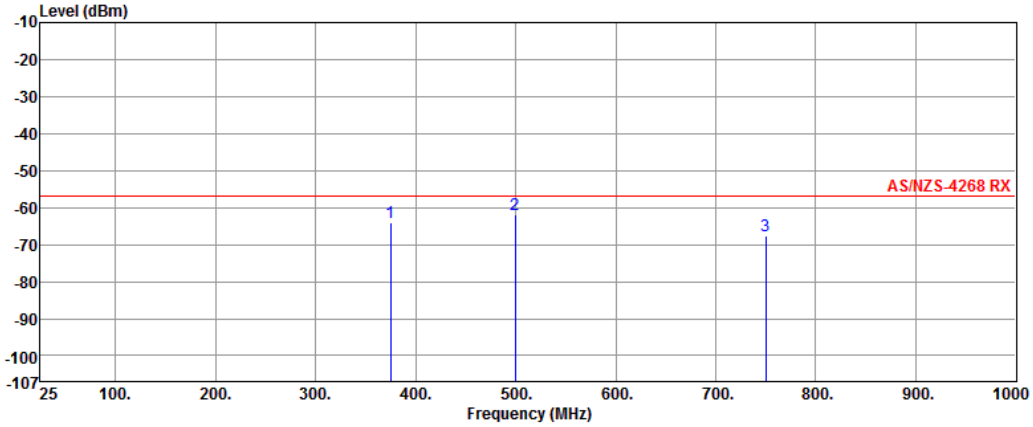
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-60.55	-57.00	-3.55	2.17	-62.72
2	499.83	-60.96	-57.00	-3.96	5.59	-66.55
3	750.40	-62.77	-57.00	-5.77	10.10	-72.87

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		

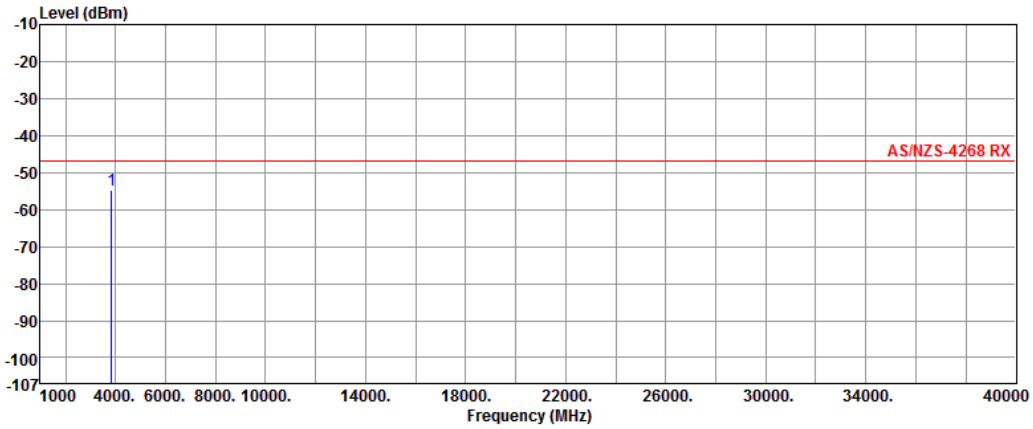


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.03	-63.96	-57.00	-6.96	2.88	-66.84
2	499.83	-61.86	-57.00	-4.86	5.50	-67.36
3	750.40	-67.54	-57.00	-10.54	10.08	-77.62

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

4.1.10 Receiver Spurious Emissions (Above 1GHz)

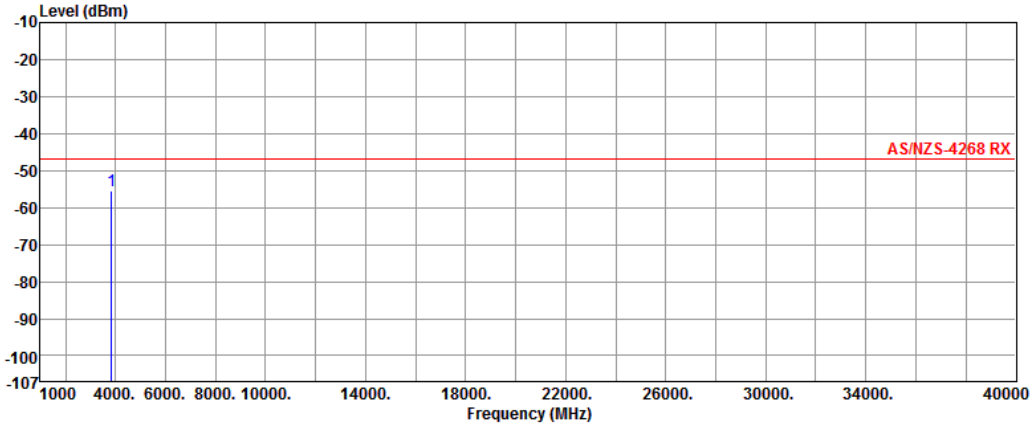
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3829.80	-54.81	-47.00	-7.81	9.88	-64.69

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

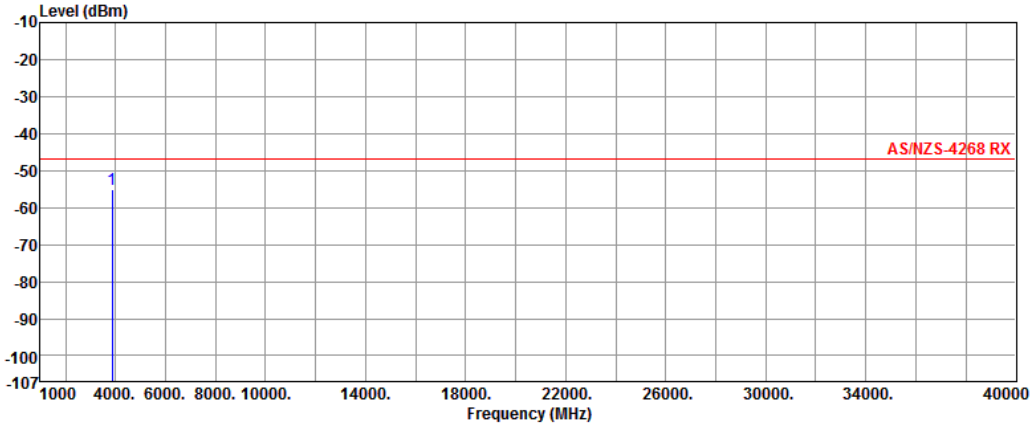
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.84	-55.59	-47.00	-8.59	9.61	-65.20

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

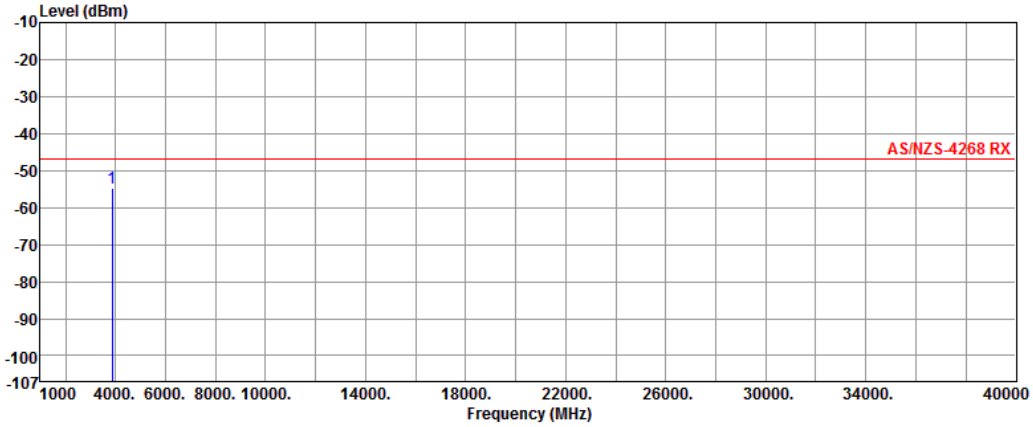
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.31	-55.04	-47.00	-8.04	9.90	-64.94

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

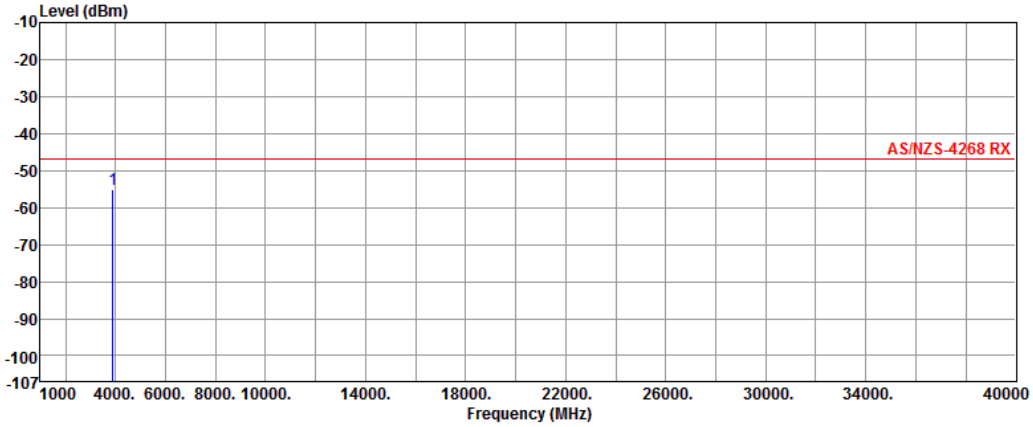
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.34	-54.80	-47.00	-7.80	9.73	-64.53

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

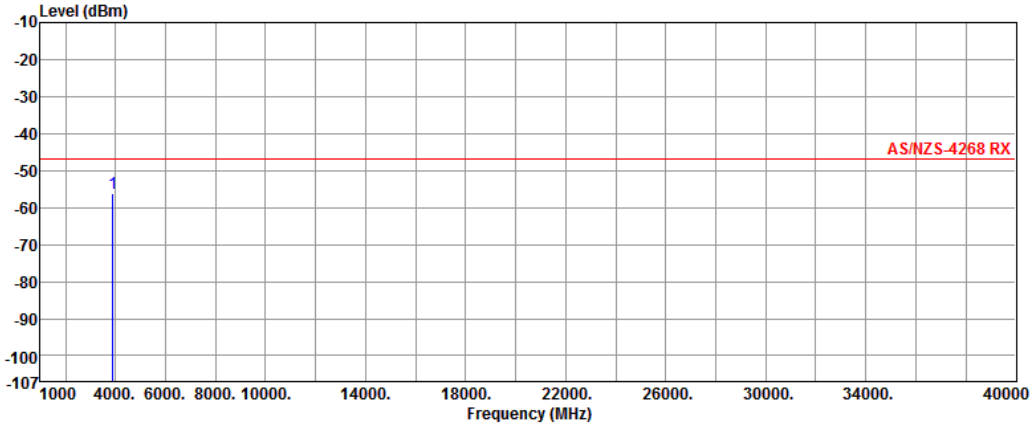
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.20	-55.05	-47.00	-8.05	9.93	-64.98

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

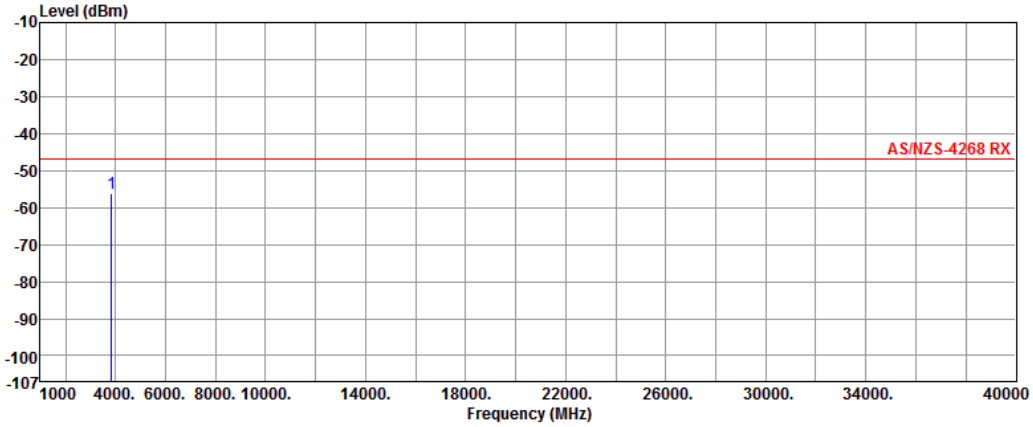
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.41	-56.13	-47.00	-9.13	9.86	-65.99

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

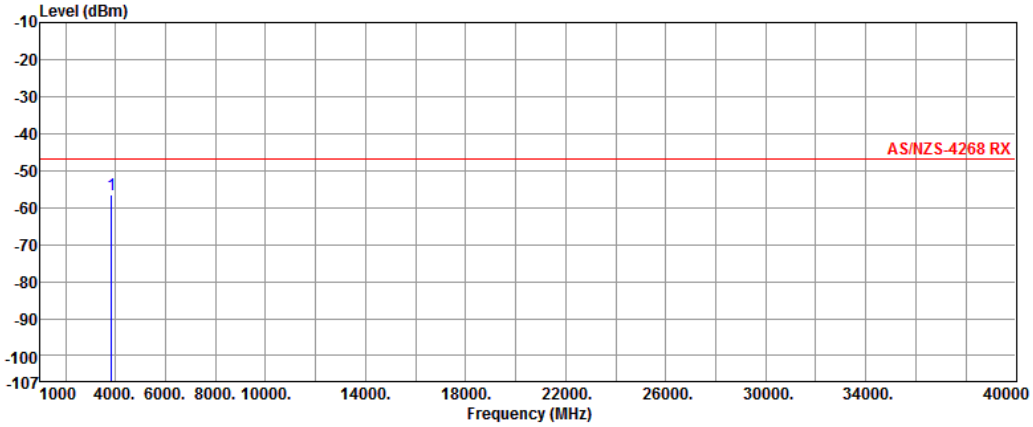
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.90	-56.34	-47.00	-9.34	9.88	-66.22

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

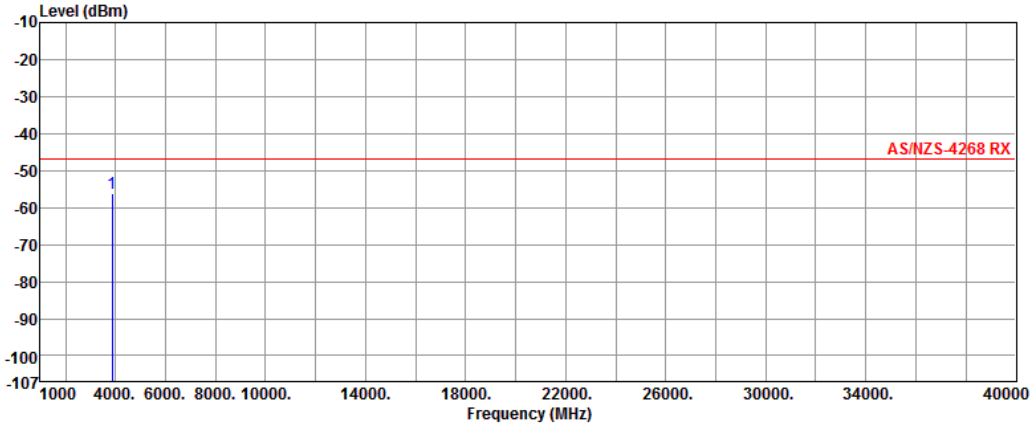
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3830.10	-56.35	-47.00	-9.35	9.61	-65.96

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

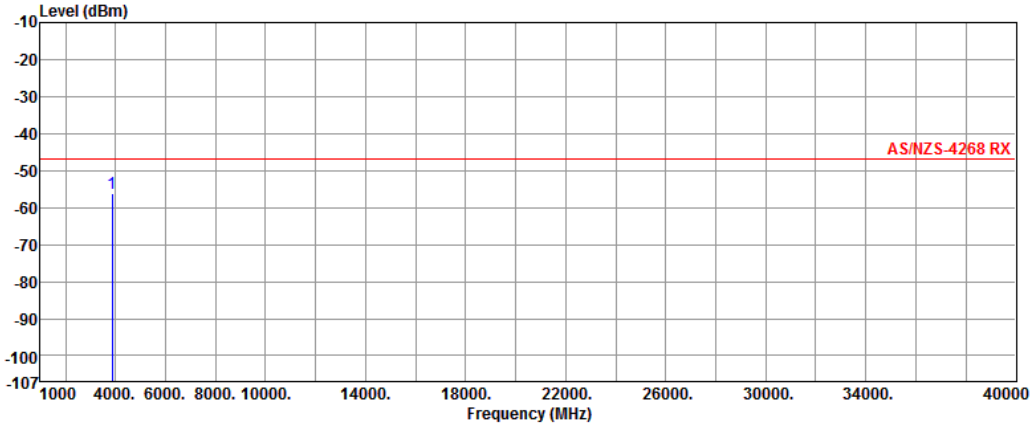
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.22	-56.16	-47.00	-9.16	9.90	-66.06

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

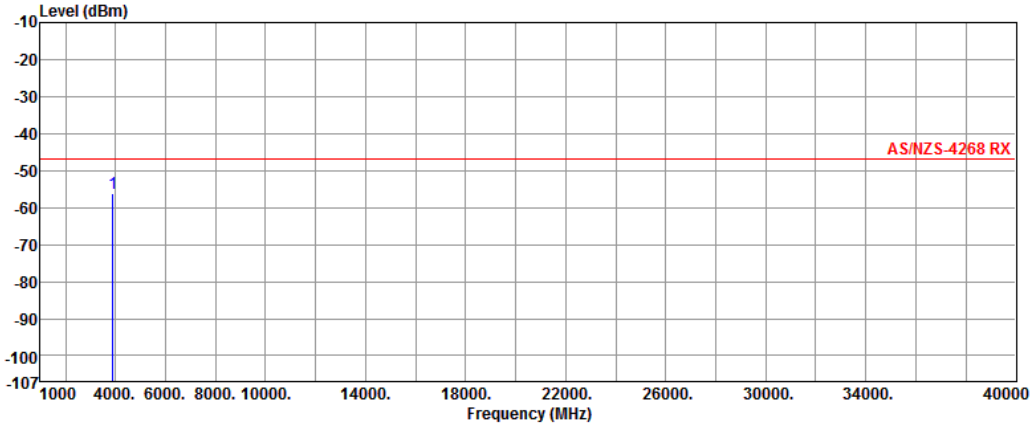
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3856.49	-56.20	-47.00	-9.20	9.73	-65.93

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

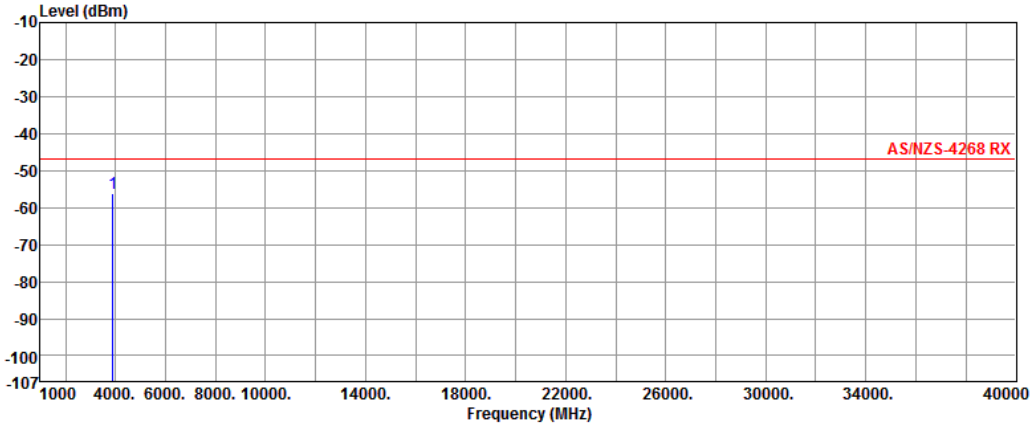
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.30	-56.31	-47.00	-9.31	9.93	-66.24

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

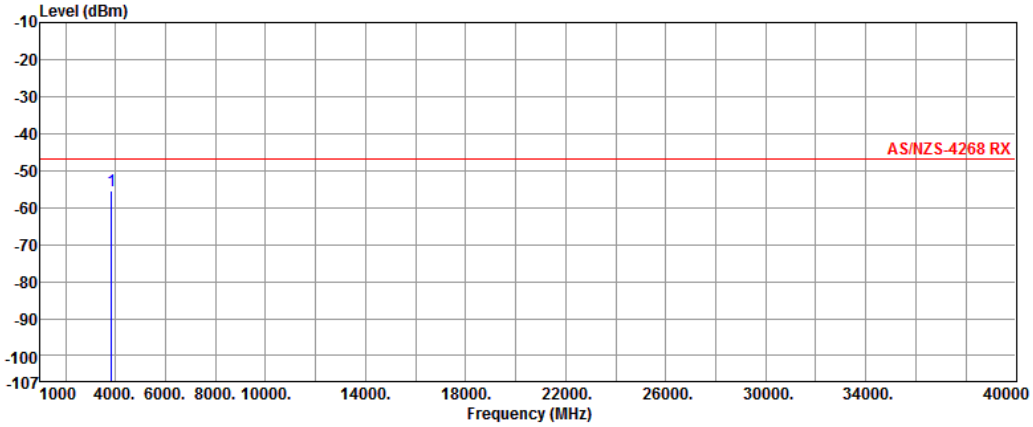
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.75	-56.13	-47.00	-9.13	9.86	-65.99

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

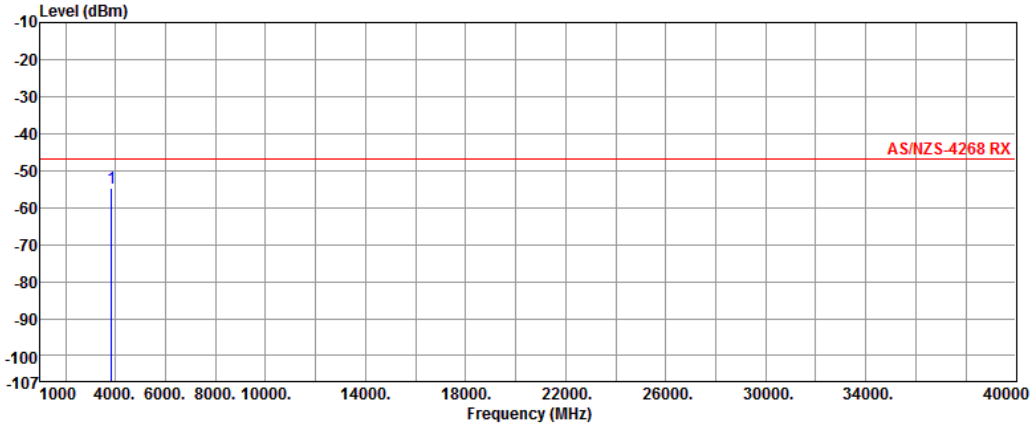
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3836.26	-55.36	-47.00	-8.36	9.88	-65.24

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

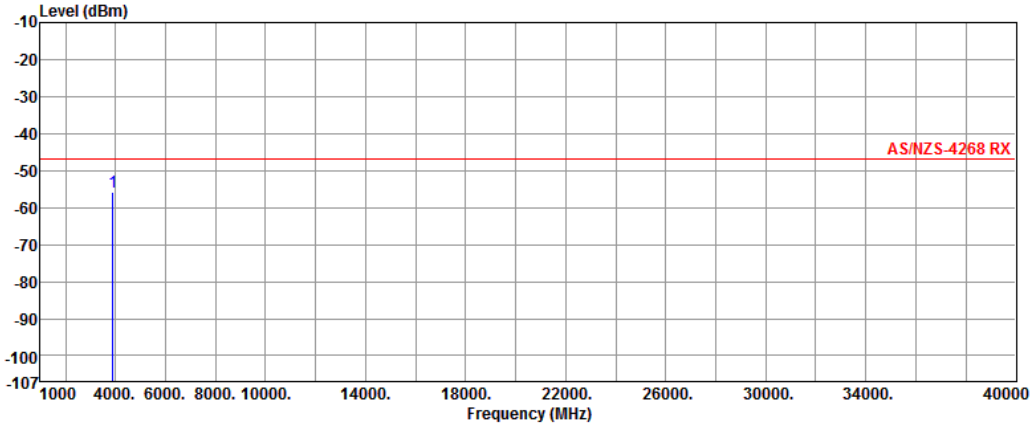
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3836.25	-54.88	-47.00	-7.88	9.63	-64.51

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

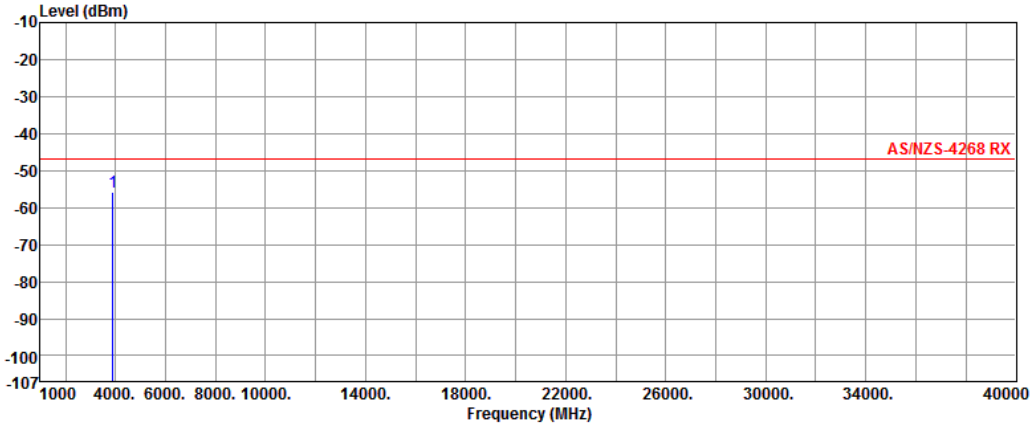
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.26	-55.74	-47.00	-8.74	9.93	-65.67

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

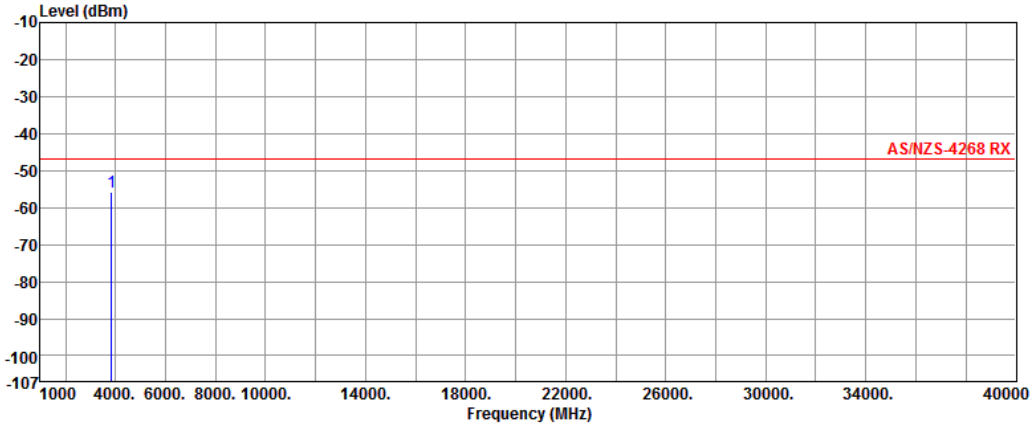
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3883.82	-55.91	-47.00	-8.91	9.86	-65.77

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

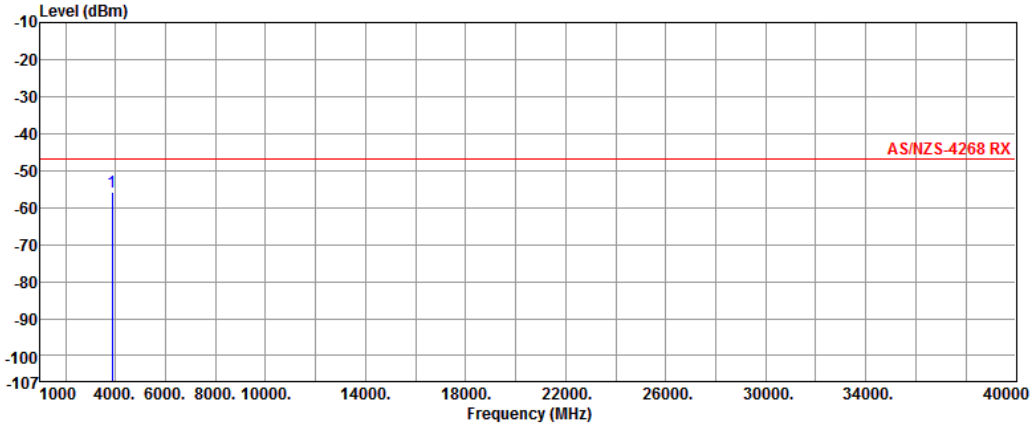
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3850.42	-55.96	-47.00	-8.96	9.89	-65.85

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		

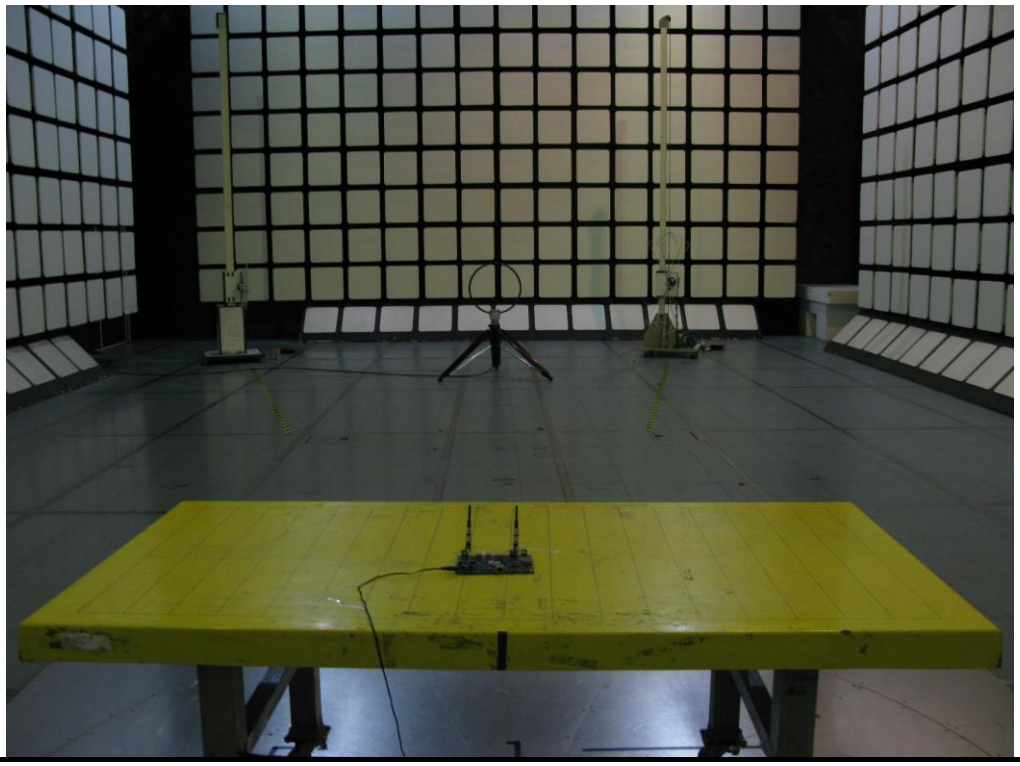


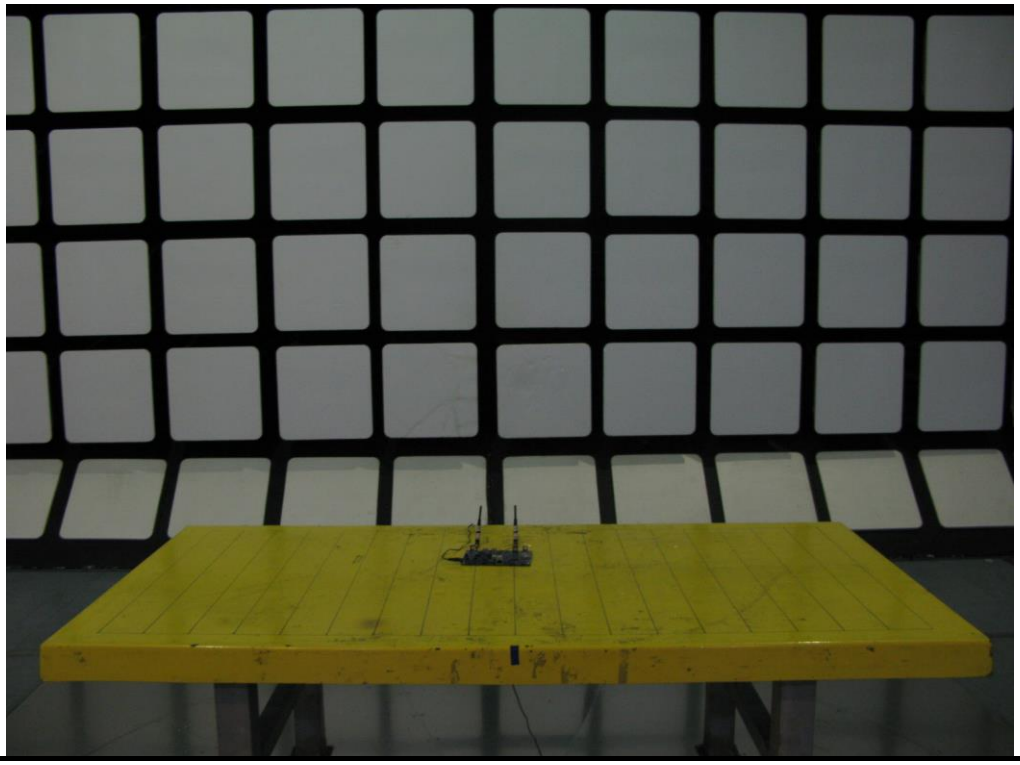
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	3850.86	-55.78	-47.00	-8.78	9.70	-65.48

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

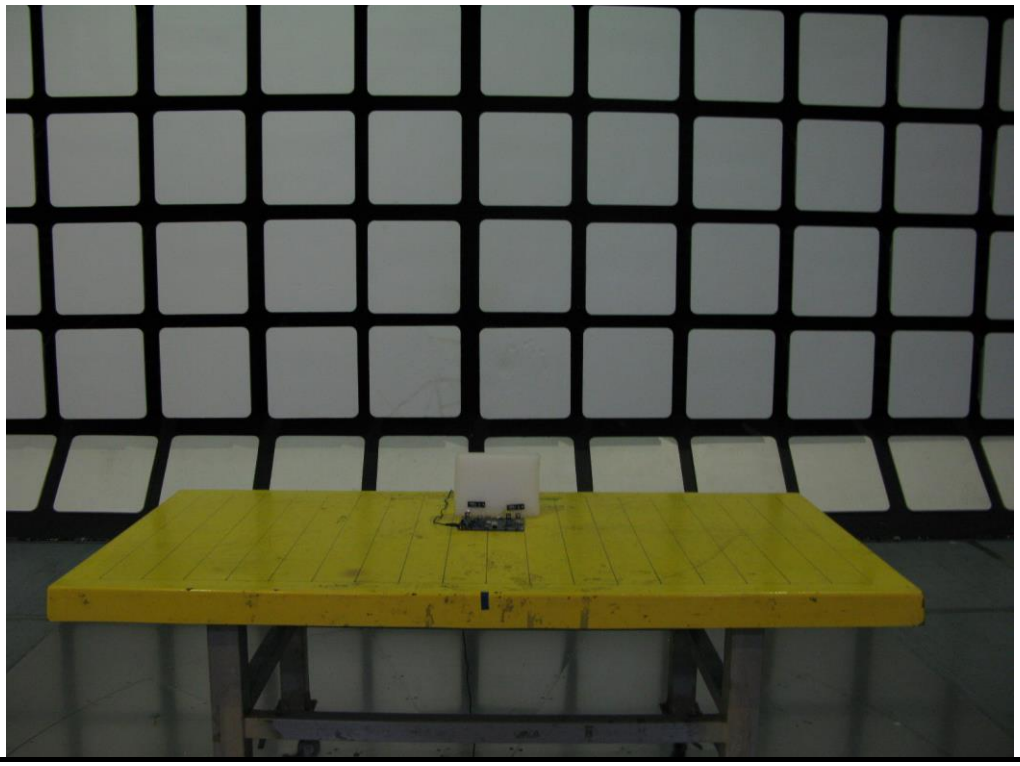
5 Photographs of the Test Configuration

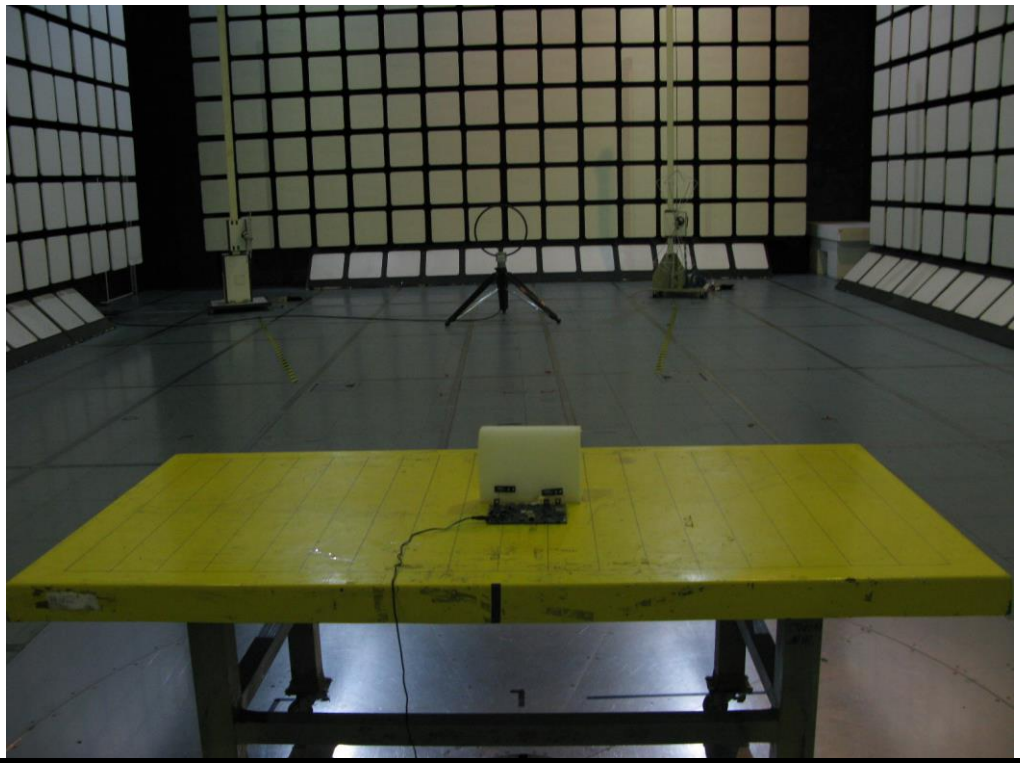
Spurious Emission Test below 30MHz (Dipole antenna)



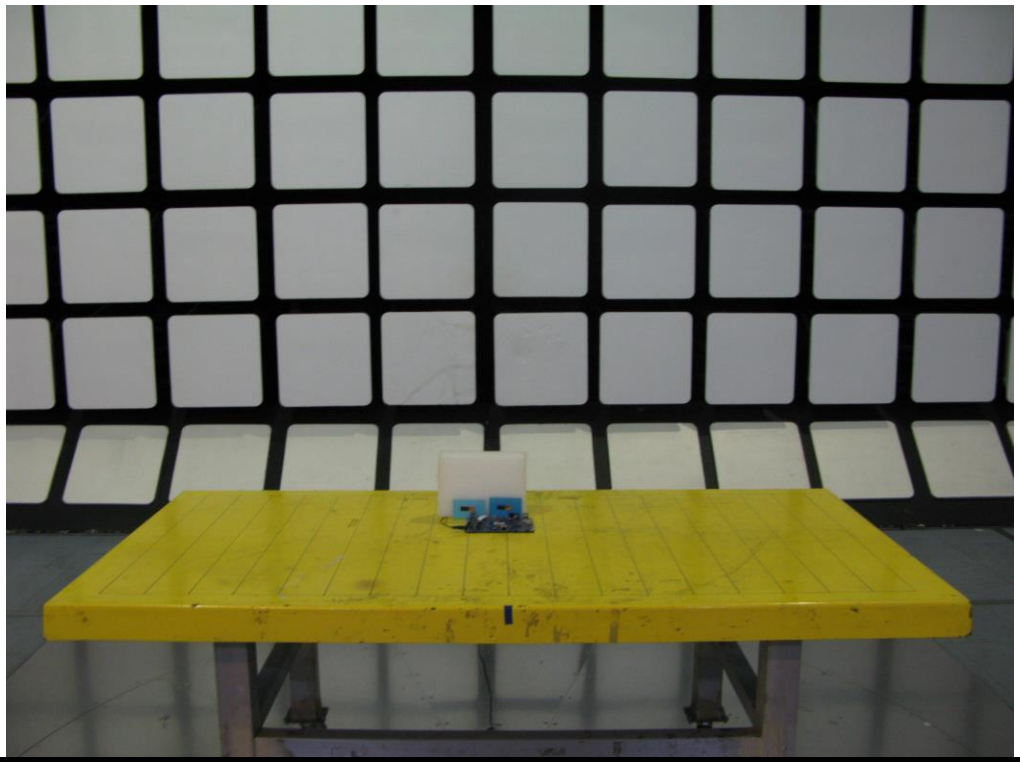


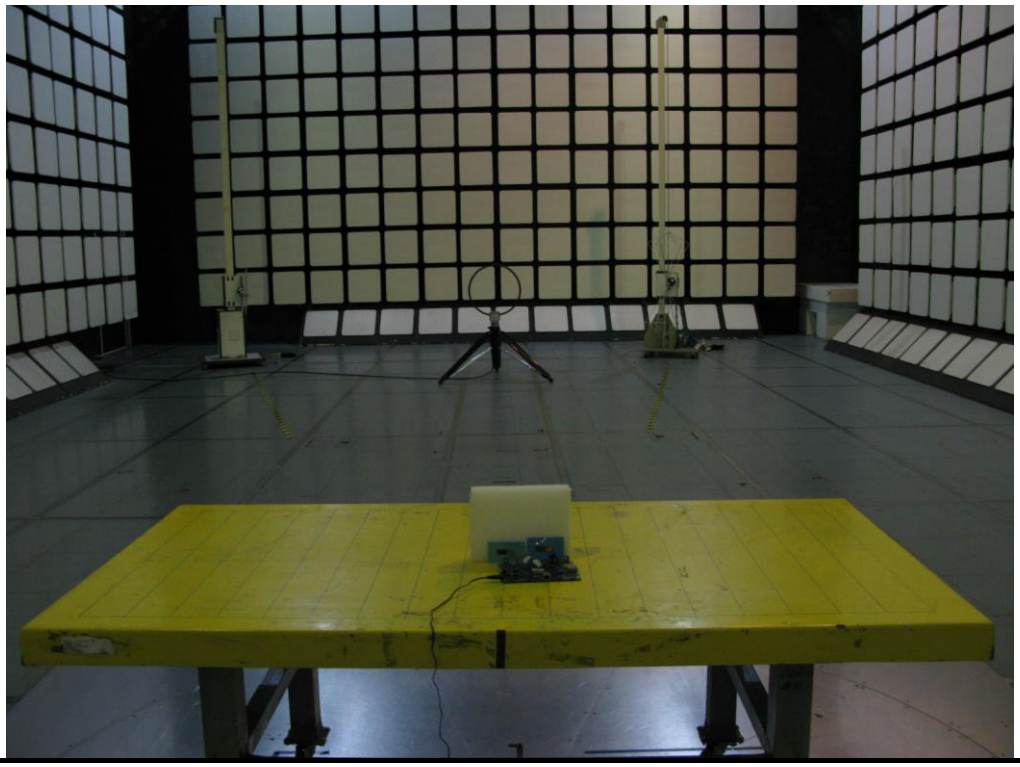
Spurious Emission Test below 30MHz (PCB Dipole antenna)



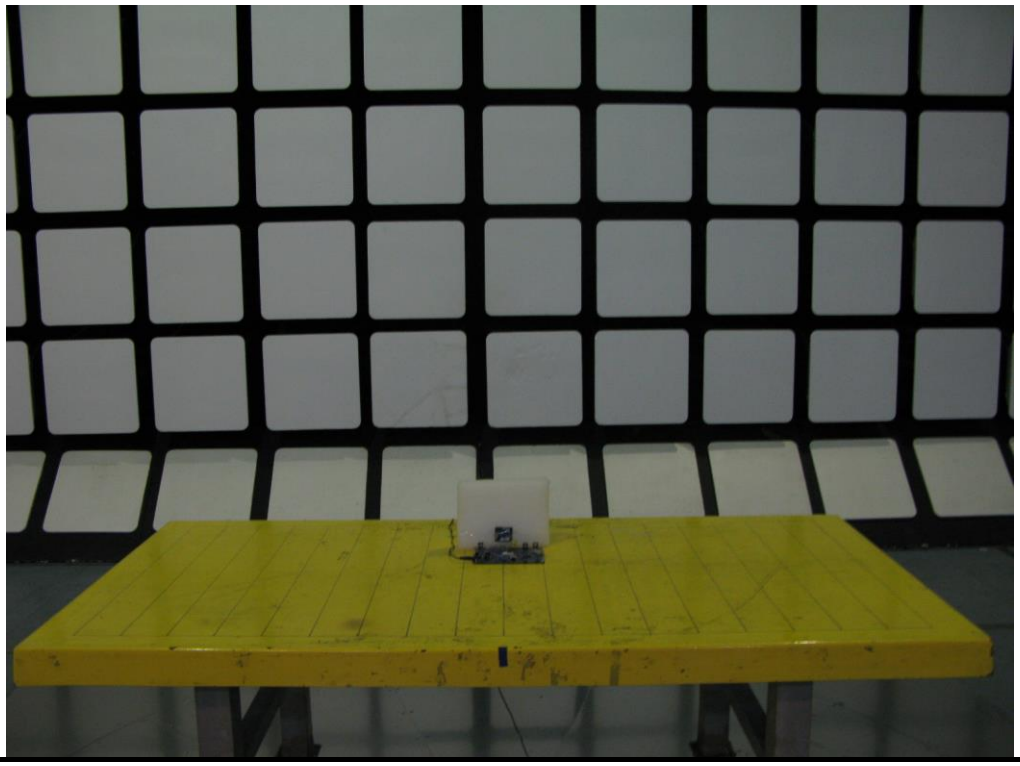


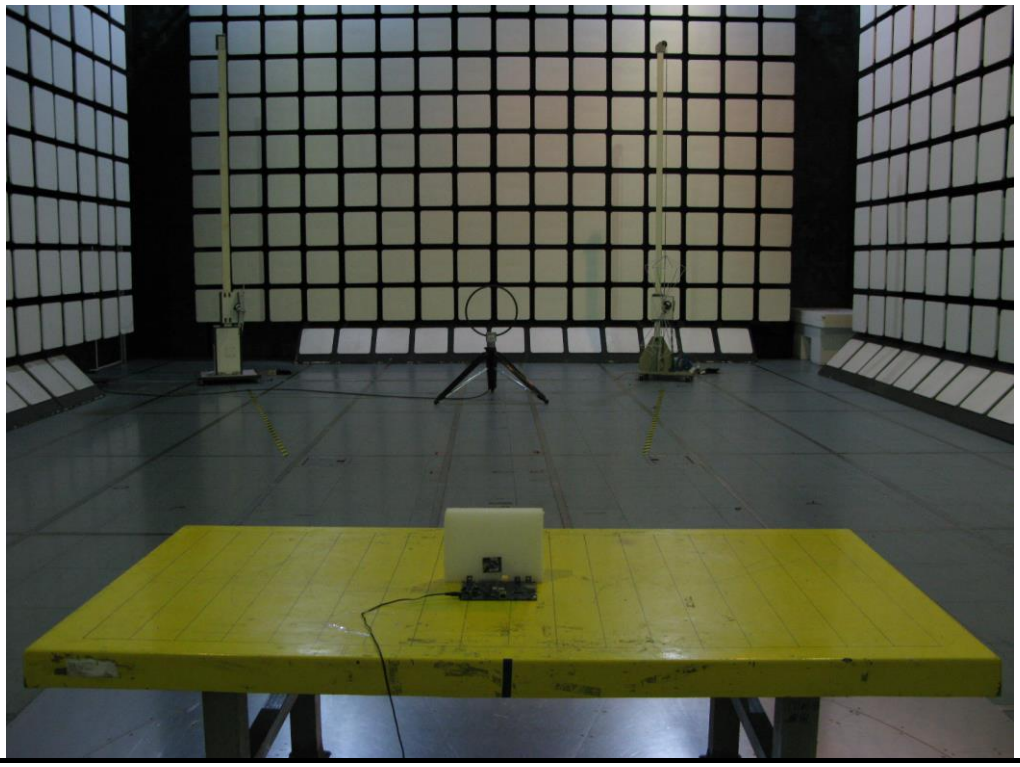
Spurious Emission Test below 30MHz (PIFA antenna)



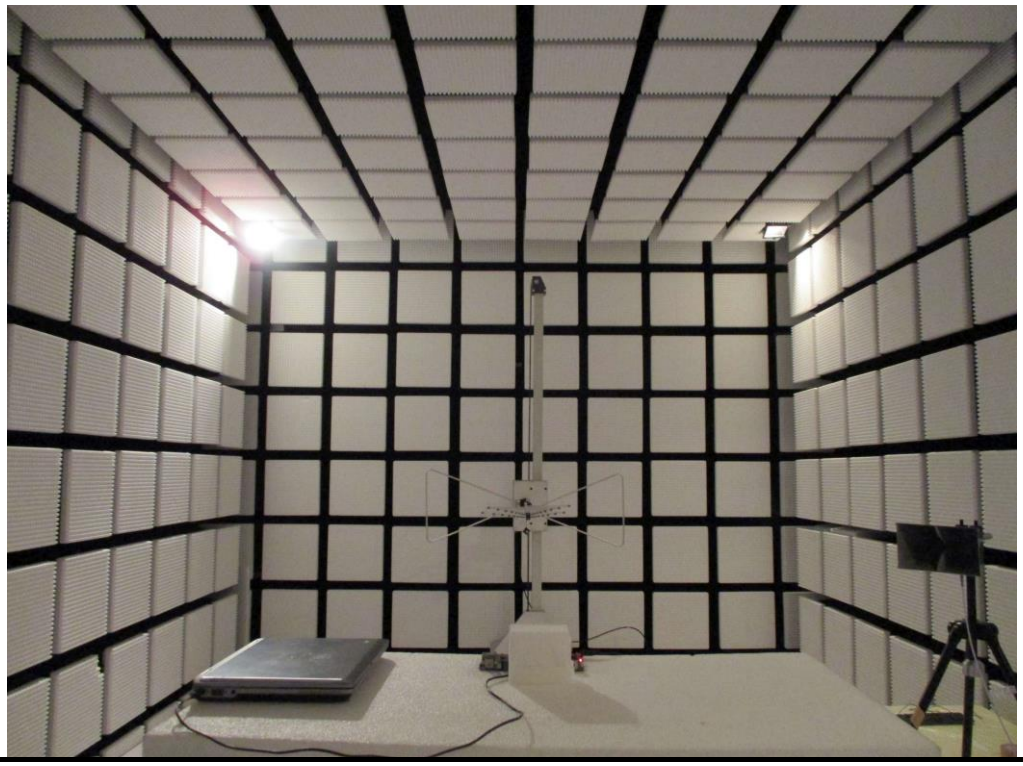


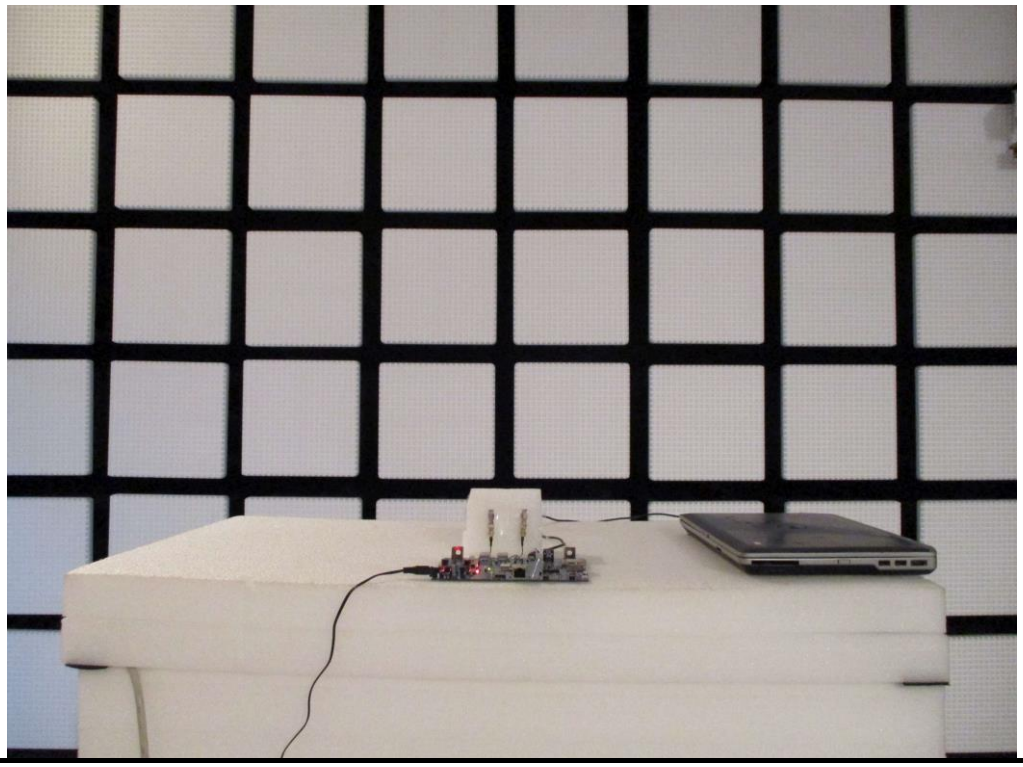
Spurious Emission Test below 30MHz (Magnetic Dipolewith)



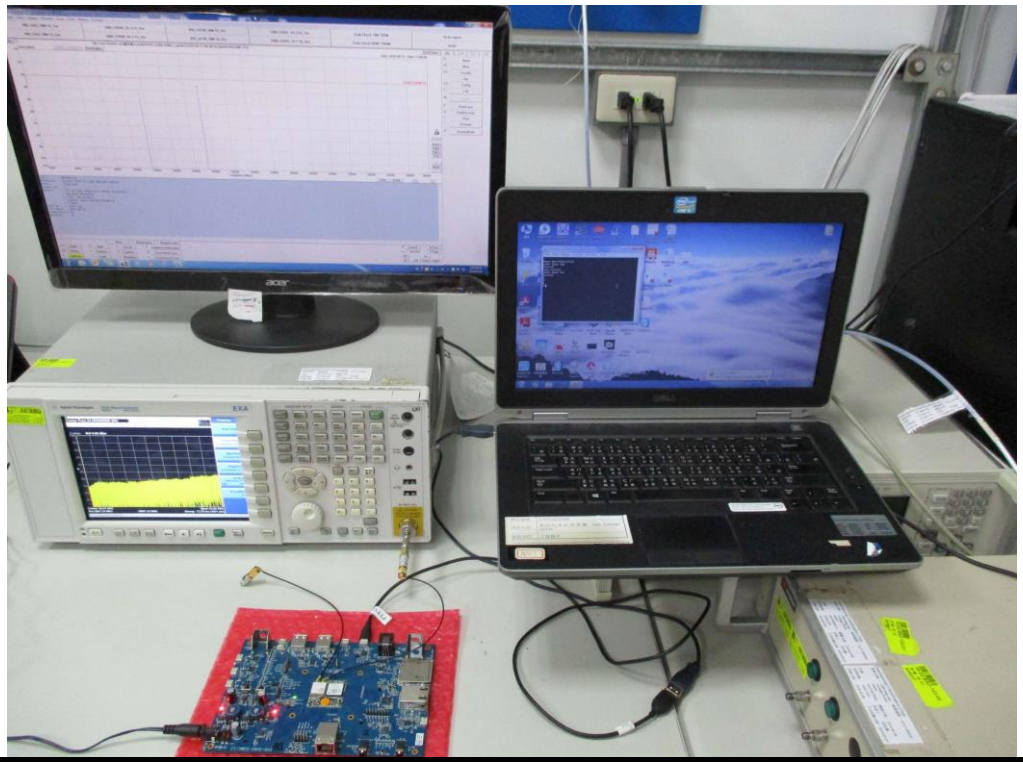


Radiated Spurious Emission Test above 30MHz





Conducted Spurious Emission Test



6 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C..

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666
Fax: 886-3-318-0155
Email: ICC_Service@icertifi.com.tw

══END══