AS/NZS Test Report

Equipment	:	**802.11 ac/a/b/g/n + Bluetooth 4.2 module (please refer to section 1.1.1 for more details.)**
Model No.	:	**ST60-2230C (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. 07, 2017**
Tested Date	:	**Jun. 06 ~ Jun. 25, 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

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Release Record

Report No.	Version	Description	Issued Date
AR740701-03AI	Rev. 01	Initial issue	Jul. 09, 2018

Summary of Test Result

Ref. Std. Clause	Test Items	Measured	Result
6.3	Maximum EIRP	5.725-5.85GHz: 23.63 dBm (AV) 30.75 dBm (PK)	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

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description	
Laird Technologies	ST60-SIPT	802.11 ac/a/b/g/n + Bluetooth 4.2 module	SIPT only	For marketing purpose
	SU60-SIPT			
	ST60-2230C	802.11 ac/a/b/g/n M.2 2230 + Bluetooth 4.2 module	with carrier board	
	SU60-2230C			
✦ The above models, model ST60-2230C was selected as a representative one for the final test and only its data was recorded in this report.				

1.1.2 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.					

1.1.3 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
				2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
1	LSR/001-0009	Dipole	IPEX U.FL	2	2	2	2	2
2	Laird NanoBlade-IP04	PCB Dipole	IPEX U.FL	2	3.9	3.9	4	4
3	Laird MAF95310 Mini NanoBlade Flex	PCB Dipole	IPEX U.FL	2.79	3.38	3.38	3.38	3.38
4	LSR/FlexPIFA 001-0016	PIFA	IPEX U.FL	2.5	3	3	3	3
5	Ethertronics WLAN_1000146	Isolated Magnetic Dipole	IPEX U.FL	2.5	3.5	3.5	3.5	3.5

1.1.4 EUT Operational Condition

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

1.1.5 Accessories

N/A

1.1.6 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	---	---

1.1.7 Test Tool and Duty Cycle

Test tool	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)

1.1.8 Power Setting

Modulation Mode	**Test Frequency (MHz)**					
	a / VHT20			**VHT40**		**VHT80**
	5745	**5785**	**5825**	**5755**	**5795**	**5775**
a	16	16	16	--	--	--
VHT20	16	16	16	--	--	--
VHT40	--	--	--	16	16	--
VHT80	--	--	--	--	--	16

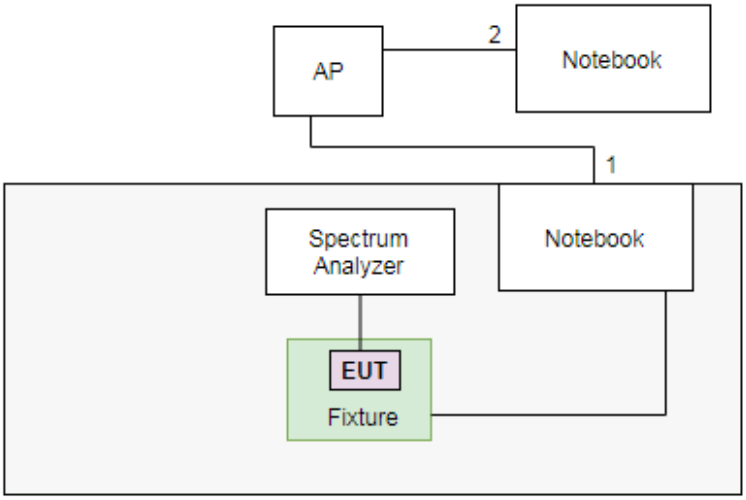
1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Signal cable / Length (m)**
1	Notebook	DELL	Latitude E5420	DoC	RJ45, 1m non-shielded
2	Notebook	Lenovo	T430	DoC	RJ45, 1m non-shielded
3	50Ω terminator	---	---	---	---
4	Fixture	---	---	---	---
5	Wireless connectivity tester	LITE POINT	IQ2010	---	---

Note: No.2, 4 and 5 were provided by applicant.

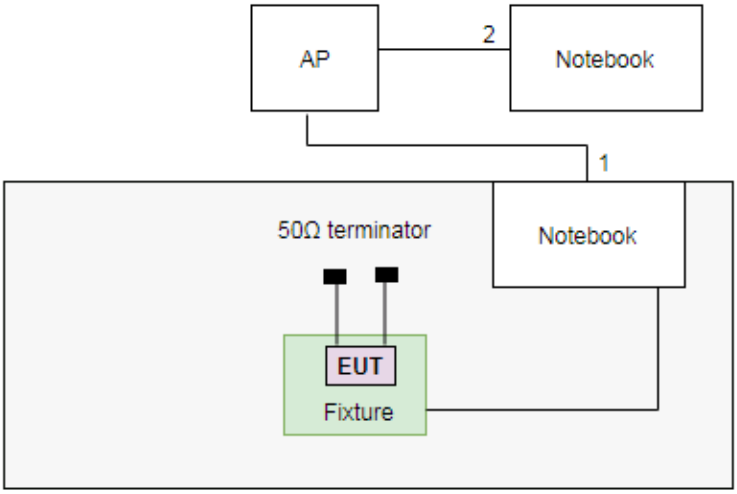
1.3 Test Setup Chart

Test Setup Diagram (Conducted)



1. RJ45, 1m non-shielded
2. RJ45, 1m non-shielded

Test Setup Diagram (Radiated)



1. RJ45, 1m non-shielded
2. RJ45, 1m non-shielded

1.4 Test Equipment and Calibration Data

Test Item	Radiated Emissions				
Test Site	Fully-anechoic chamber 1 / (05CH01-WS)				
Tested date	Jun. 06 ~ Jun. 19, 2018				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	Agilent	N9010A	MY54200247	Sep. 28, 2017	Sep. 27, 2018
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-524	Oct. 27, 2017	Oct. 26, 2018
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1094	Nov. 10, 2017	Nov. 09, 2018
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Dec. 19, 2017	Dec. 18, 2018
Preamplifier	Agilent	83017A	MY39501310	Nov. 28, 2017	Nov. 27, 2018
Preamplifier	EMC	EMC02325	980146	Oct. 13, 2017	Oct. 12, 2018
Preamplifier	EMC	EMC184045B	980192	Aug. 22, 2017	Aug. 21, 2018
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY22626/4	Nov. 24, 2017	Nov. 23, 2018
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16608/4	Nov. 24, 2017	Nov. 23, 2018
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16617/4	Nov. 24, 2017	Nov. 23, 2018
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-005	Nov. 24, 2017	Nov. 23, 2018
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-006	Nov. 24, 2017	Nov. 23, 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	Jun. 25, 2018				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101486	Nov. 21, 2017	Nov. 20, 2018
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Nov. 27, 2017	Nov. 26, 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
Signal Generator	R&S	SMB100A	175727	Oct. 26, 2017	Oct. 25, 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	Jun. 15, 2018				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESI	838496/008	Sep. 01, 2017	Sep. 01, 2018
Preamplifier	EMC	EMC02325	980225	Jul. 28, 2017	Jul. 27, 2018
RF Cable-R03m	Jye Bao	RG142	CB031	Dec. 29, 2017	Dec. 28, 2018
RF Cable-R10m	MTJ	RG223/U+RG8/U	CB026-DOOR	Dec. 29, 2017	Dec. 28, 2018
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 13, 2017	Nov. 12, 2018
Software	Audix	E3	4.03260c	---	---
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	$\pm 1.4 \times 10^{-9}$	$\pm 1 \times 10^{-5}$
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 °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	23°C / 65%	Mars Lai
Radiated Emission > 30 MHz	10CH01-HY*	24°C / 65%	Jack Li
Radiated Emission ≤ 30 MHz	05CH01-WS	25°C / 64%	Mars Lai

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	1
Operating Frequencies	11a VHT20 VHT40 VHT80	5745 / 5825 5745 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	1
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	1

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.
2. The device can be operated under adapter mode and charging mode. Each mode was selected for related test items as below configuration.

   Configuration 1 : Dipole Antenna

   Configuration 2 : PCB Dipole Antenna

   Configuration 3 : PIFA Antenna

   Configuration 4: Isolated Magnetic Dipole Antenna
3. Conducted emission is only measured for configuration 1 which has maximum conducted power.
4. Two 50Ω terminators are connected to antenna port of EUT for radiated emission measurement.

3 Transmitter Test Results

3.1 Maximum EIRP

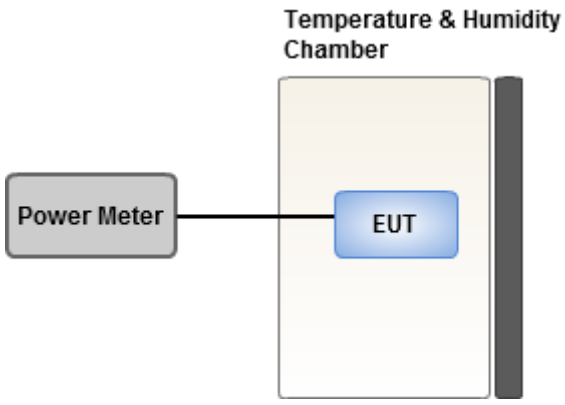
3.1.1 EIRP Limits

Frequency Band	Limits
5150~5250 MHz	200 mW (23dBm)
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

Configuration 1 : Dipole Antenna

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	27.95	20.39	36	Pass
$T_{min}V_{max}$	5745	28.71	21.15	36	Pass
$T_{min}V_{min}$	5745	28.73	21.17	36	Pass
$T_{max}V_{max}$	5745	26.52	18.96	36	Pass
$T_{max}V_{min}$	5745	26.49	18.93	36	Pass
$T_{nom}V_{nom}$	5785	27.99	20.37	36	Pass
$T_{min}V_{max}$	5785	28.78	21.16	36	Pass
$T_{min}V_{min}$	5785	28.81	21.19	36	Pass
$T_{max}V_{max}$	5785	26.53	18.91	36	Pass
$T_{max}V_{min}$	5785	26.51	18.89	36	Pass
$T_{nom}V_{nom}$	5825	28.09	20.32	36	Pass
$T_{min}V_{max}$	5825	28.75	20.98	36	Pass
$T_{min}V_{min}$	5825	28.78	21.01	36	Pass
$T_{max}V_{max}$	5825	26.44	18.67	36	Pass
$T_{max}V_{min}$	5825	26.42	18.65	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	27.98	20.57	36	Pass
$T_{min}V_{max}$	5745	28.69	21.28	36	Pass
$T_{min}V_{min}$	5745	28.71	21.30	36	Pass
$T_{max}V_{max}$	5745	26.62	19.21	36	Pass
$T_{max}V_{min}$	5745	26.60	19.19	36	Pass
$T_{nom}V_{nom}$	5785	28.02	20.45	36	Pass
$T_{min}V_{max}$	5785	28.58	21.01	36	Pass
$T_{min}V_{min}$	5785	28.60	21.03	36	Pass
$T_{max}V_{max}$	5785	26.51	18.94	36	Pass
$T_{max}V_{min}$	5785	26.49	18.92	36	Pass
$T_{nom}V_{nom}$	5825	28.07	20.47	36	Pass
$T_{min}V_{max}$	5825	28.83	21.23	36	Pass
$T_{min}V_{min}$	5825	**28.85**	21.25	36	Pass
$T_{max}V_{max}$	5825	26.75	19.15	36	Pass
$T_{max}V_{min}$	5825	26.73	19.13	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	27.98	20.47	36	Pass
$T_{min}V_{max}$	5755	28.64	21.13	36	Pass
$T_{min}V_{min}$	5755	28.67	21.16	36	Pass
$T_{max}V_{max}$	5755	26.55	19.04	36	Pass
$T_{max}V_{min}$	5755	26.53	19.02	36	Pass
$T_{nom}V_{nom}$	5795	27.95	20.54	36	Pass
$T_{min}V_{max}$	5795	28.52	21.11	36	Pass
$T_{min}V_{min}$	5795	28.55	21.14	36	Pass
$T_{max}V_{max}$	5795	26.50	19.09	36	Pass
$T_{max}V_{min}$	5795	26.48	19.07	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	27.80	20.78	36	Pass
$T_{min}V_{max}$	5775	28.62	21.60	36	Pass
$T_{min}V_{min}$	5775	28.65	**21.63**	36	Pass
$T_{max}V_{max}$	5775	26.39	19.37	36	Pass
$T_{max}V_{min}$	5775	26.37	19.35	36	Pass

Configuration 2 : PCB Dipole Antenna

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.85	22.39	36	Pass
$T_{min}V_{max}$	5745	30.61	23.15	36	Pass
$T_{min}V_{min}$	5745	30.63	23.17	36	Pass
$T_{max}V_{max}$	5745	28.42	20.96	36	Pass
$T_{max}V_{min}$	5745	28.39	20.93	36	Pass
$T_{nom}V_{nom}$	5785	29.89	22.37	36	Pass
$T_{min}V_{max}$	5785	30.68	23.16	36	Pass
$T_{min}V_{min}$	5785	30.71	23.19	36	Pass
$T_{max}V_{max}$	5785	28.43	20.91	36	Pass
$T_{max}V_{min}$	5785	28.41	20.89	36	Pass
$T_{nom}V_{nom}$	5825	29.99	22.32	36	Pass
$T_{min}V_{max}$	5825	30.65	22.98	36	Pass
$T_{min}V_{min}$	5825	30.68	23.01	36	Pass
$T_{max}V_{max}$	5825	28.34	20.67	36	Pass
$T_{max}V_{min}$	5825	28.32	20.65	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.88	22.57	36	Pass
$T_{min}V_{max}$	5745	30.59	23.28	36	Pass
$T_{min}V_{min}$	5745	30.61	23.30	36	Pass
$T_{max}V_{max}$	5745	28.52	21.21	36	Pass
$T_{max}V_{min}$	5745	28.50	21.19	36	Pass
$T_{nom}V_{nom}$	5785	29.92	22.45	36	Pass
$T_{min}V_{max}$	5785	30.48	23.01	36	Pass
$T_{min}V_{min}$	5785	30.50	23.03	36	Pass
$T_{max}V_{max}$	5785	28.41	20.94	36	Pass
$T_{max}V_{min}$	5785	28.39	20.92	36	Pass
$T_{nom}V_{nom}$	5825	29.97	22.47	36	Pass
$T_{min}V_{max}$	5825	30.73	23.23	36	Pass
$T_{min}V_{min}$	5825	**30.75**	23.25	36	Pass
$T_{max}V_{max}$	5825	28.65	21.15	36	Pass
$T_{max}V_{min}$	5825	28.63	21.13	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	29.88	22.47	36	Pass
$T_{min}V_{max}$	5755	30.54	23.13	36	Pass
$T_{min}V_{min}$	5755	30.57	23.16	36	Pass
$T_{max}V_{max}$	5755	28.45	21.04	36	Pass
$T_{max}V_{min}$	5755	28.43	21.02	36	Pass
$T_{nom}V_{nom}$	5795	29.85	22.54	36	Pass
$T_{min}V_{max}$	5795	30.42	23.11	36	Pass
$T_{min}V_{min}$	5795	30.45	23.14	36	Pass
$T_{max}V_{max}$	5795	28.40	21.09	36	Pass
$T_{max}V_{min}$	5795	28.38	21.07	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	29.70	22.78	36	Pass
$T_{min}V_{max}$	5775	30.52	23.60	36	Pass
$T_{min}V_{min}$	5775	30.55	**23.63**	36	Pass
$T_{max}V_{max}$	5775	28.29	21.37	36	Pass
$T_{max}V_{min}$	5775	28.27	21.35	36	Pass

Configuration 3 : PIFA Antenna

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	28.95	21.39	36	Pass
$T_{min}V_{max}$	5745	29.71	22.15	36	Pass
$T_{min}V_{min}$	5745	29.73	22.17	36	Pass
$T_{max}V_{max}$	5745	27.52	19.96	36	Pass
$T_{max}V_{min}$	5745	27.49	19.93	36	Pass
$T_{nom}V_{nom}$	5785	28.99	21.37	36	Pass
$T_{min}V_{max}$	5785	29.78	22.16	36	Pass
$T_{min}V_{min}$	5785	29.81	22.19	36	Pass
$T_{max}V_{max}$	5785	27.53	19.91	36	Pass
$T_{max}V_{min}$	5785	27.51	19.89	36	Pass
$T_{nom}V_{nom}$	5825	29.09	21.32	36	Pass
$T_{min}V_{max}$	5825	29.75	21.98	36	Pass
$T_{min}V_{min}$	5825	29.78	22.01	36	Pass
$T_{max}V_{max}$	5825	27.44	19.67	36	Pass
$T_{max}V_{min}$	5825	27.42	19.65	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	28.98	21.57	36	Pass
$T_{min}V_{max}$	5745	29.69	22.28	36	Pass
$T_{min}V_{min}$	5745	29.71	22.30	36	Pass
$T_{max}V_{max}$	5745	27.62	20.21	36	Pass
$T_{max}V_{min}$	5745	27.60	20.19	36	Pass
$T_{nom}V_{nom}$	5785	29.02	21.45	36	Pass
$T_{min}V_{max}$	5785	29.58	22.01	36	Pass
$T_{min}V_{min}$	5785	29.60	22.03	36	Pass
$T_{max}V_{max}$	5785	27.51	19.94	36	Pass
$T_{max}V_{min}$	5785	27.49	19.92	36	Pass
$T_{nom}V_{nom}$	5825	29.07	21.47	36	Pass
$T_{min}V_{max}$	5825	29.83	22.23	36	Pass
$T_{min}V_{min}$	5825	**29.85**	22.25	36	Pass
$T_{max}V_{max}$	5825	27.75	20.15	36	Pass
$T_{max}V_{min}$	5825	27.73	20.13	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	28.98	21.47	36	Pass
$T_{min}V_{max}$	5755	29.64	22.13	36	Pass
$T_{min}V_{min}$	5755	29.67	22.16	36	Pass
$T_{max}V_{max}$	5755	27.55	20.04	36	Pass
$T_{max}V_{min}$	5755	27.53	20.02	36	Pass
$T_{nom}V_{nom}$	5795	28.95	21.54	36	Pass
$T_{min}V_{max}$	5795	29.52	22.11	36	Pass
$T_{min}V_{min}$	5795	29.55	22.14	36	Pass
$T_{max}V_{max}$	5795	27.50	20.09	36	Pass
$T_{max}V_{min}$	5795	27.48	20.07	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	28.80	21.78	36	Pass
$T_{min}V_{max}$	5775	29.62	22.60	36	Pass
$T_{min}V_{min}$	5775	29.65	**22.63**	36	Pass
$T_{max}V_{max}$	5775	27.39	20.37	36	Pass
$T_{max}V_{min}$	5775	27.37	20.35	36	Pass

Configuration 4: Isolated Magnetic Dipole Antenna

EIRP (dBm)					
Modulation Mode	11a				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.45	21.89	36	Pass
$T_{min}V_{max}$	5745	30.21	22.65	36	Pass
$T_{min}V_{min}$	5745	30.23	22.67	36	Pass
$T_{max}V_{max}$	5745	28.02	20.46	36	Pass
$T_{max}V_{min}$	5745	27.99	20.43	36	Pass
$T_{nom}V_{nom}$	5785	29.49	21.87	36	Pass
$T_{min}V_{max}$	5785	30.28	22.66	36	Pass
$T_{min}V_{min}$	5785	30.31	22.69	36	Pass
$T_{max}V_{max}$	5785	28.03	20.41	36	Pass
$T_{max}V_{min}$	5785	28.01	20.39	36	Pass
$T_{nom}V_{nom}$	5825	29.59	21.82	36	Pass
$T_{min}V_{max}$	5825	30.25	22.48	36	Pass
$T_{min}V_{min}$	5825	30.28	22.51	36	Pass
$T_{max}V_{max}$	5825	27.94	20.17	36	Pass
$T_{max}V_{min}$	5825	27.92	20.15	36	Pass

EIRP (dBm)					
Modulation Mode	VHT20				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5745	29.48	22.07	36	Pass
$T_{min}V_{max}$	5745	30.19	22.78	36	Pass
$T_{min}V_{min}$	5745	30.21	**22.80**	36	Pass
$T_{max}V_{max}$	5745	28.12	20.71	36	Pass
$T_{max}V_{min}$	5745	28.10	20.69	36	Pass
$T_{nom}V_{nom}$	5785	29.52	21.95	36	Pass
$T_{min}V_{max}$	5785	30.08	22.51	36	Pass
$T_{min}V_{min}$	5785	30.10	22.53	36	Pass
$T_{max}V_{max}$	5785	28.01	20.44	36	Pass
$T_{max}V_{min}$	5785	27.99	20.42	36	Pass
$T_{nom}V_{nom}$	5825	29.57	21.97	36	Pass
$T_{min}V_{max}$	5825	30.33	22.73	36	Pass
$T_{min}V_{min}$	5825	**30.35**	22.75	36	Pass
$T_{max}V_{max}$	5825	28.25	20.65	36	Pass
$T_{max}V_{min}$	5825	28.23	20.63	36	Pass

EIRP (dBm)					
Modulation Mode	VHT40				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5755	29.48	21.97	36	Pass
$T_{min}V_{max}$	5755	30.14	22.63	36	Pass
$T_{min}V_{min}$	5755	30.17	22.66	36	Pass
$T_{max}V_{max}$	5755	28.05	20.54	36	Pass
$T_{max}V_{min}$	5755	28.03	20.52	36	Pass
$T_{nom}V_{nom}$	5795	29.45	22.04	36	Pass
$T_{min}V_{max}$	5795	30.02	22.61	36	Pass
$T_{min}V_{min}$	5795	30.05	22.64	36	Pass
$T_{max}V_{max}$	5795	28.00	20.59	36	Pass
$T_{max}V_{min}$	5795	27.98	20.57	36	Pass

EIRP (dBm)					
Modulation Mode	VHT80				
Condition	**Freq. (MHz)**	**EIRP PK Power**	**EIRP AV Power**	**Limit (dBm)**	**Results**
$T_{nom}V_{nom}$	5775	29.30	22.28	36	Pass
$T_{min}V_{max}$	5775	30.12	23.10	36	Pass
$T_{min}V_{min}$	5775	30.15	23.13	36	Pass
$T_{max}V_{max}$	5775	27.89	20.87	36	Pass
$T_{max}V_{min}$	5775	27.87	20.85	36	Pass

3.2 Emission Bandwidth

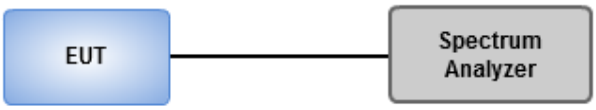
3.2.1 Limit of Emission Bandwidth

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

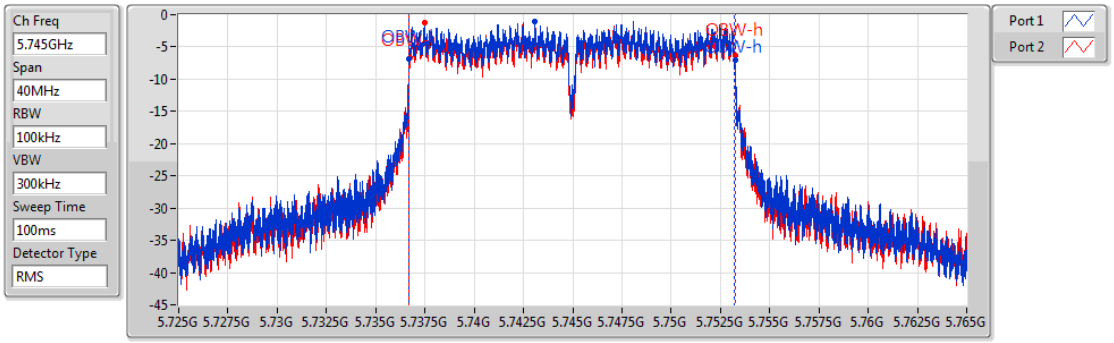


3.2.4 Test Result of Emission Bandwidth

Modulation Mode	Freq. (MHz)	Emission Bandwidth (MHz)
11a	5745	16.43
11a	5785	16.43
11a	5825	16.43
11ac VHT20	5745	17.66
11ac VHT20	5785	17.66
11ac VHT20	5825	17.66
11ac VHT40	5755	36.18
11ac VHT40	5795	36.18
11ac VHT80	5775	75.83

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

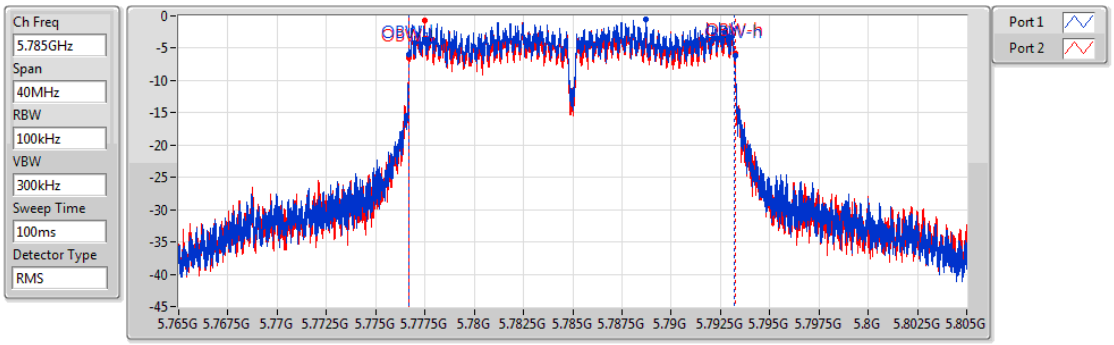
5745MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.53M	5.73671G	5.75324G	16.513M	5.736711G	5.753224G	5.725-5.85G	1
16.525M	5.73672G	5.753245G	16.528M	5.736706G	5.753234G	5.725-5.85G	2

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

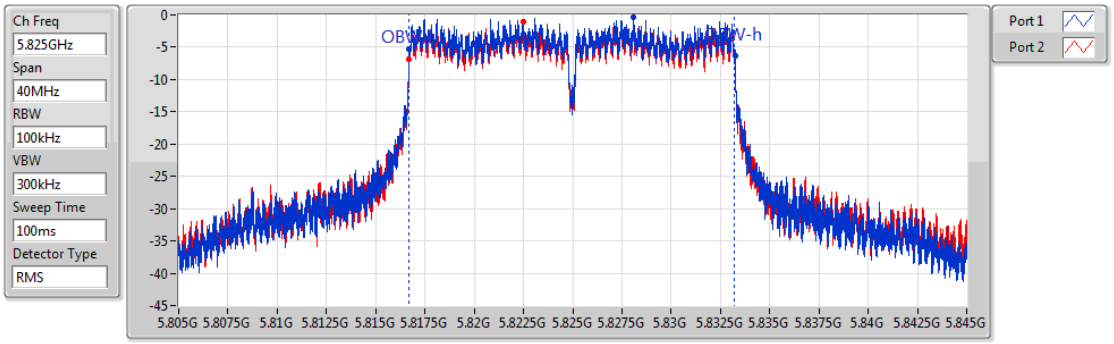
5785MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.555M	5.776695G	5.79325G	16.523M	5.776706G	5.793229G	5.725-5.85G	1
16.54M	5.776705G	5.793245G	16.528M	5.776706G	5.793234G	5.725-5.85G	2

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

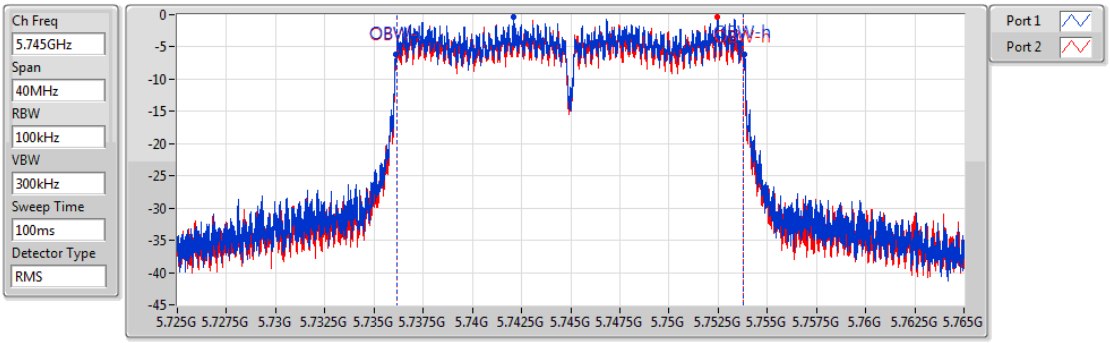
5825MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.555M	5.816695G	5.83325G	16.518M	5.816701G	5.833219G	5.725-5.85G	1
16.54M	5.816695G	5.833235G	16.533M	5.816696G	5.833229G	5.725-5.85G	2

802.11n HT20_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

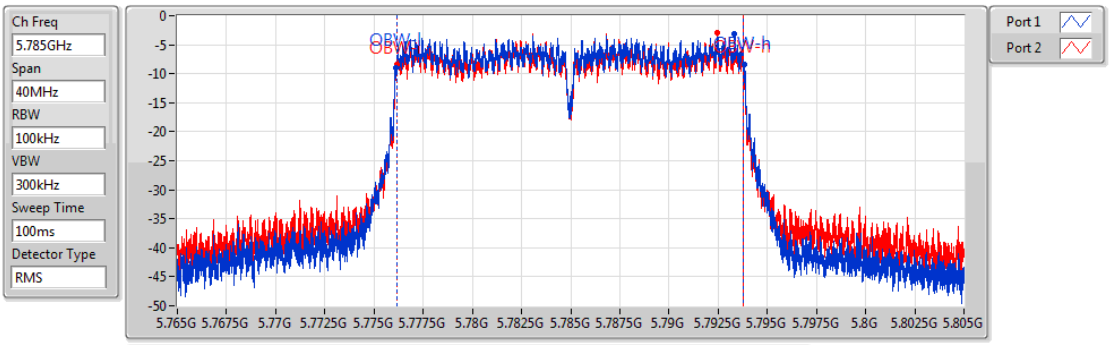
5745MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.73M	5.736125G	5.753855G	17.658M	5.736141G	5.753799G	5.725-5.85G	1
17.615M	5.736155G	5.75377G	17.638M	5.736146G	5.753784G	5.725-5.85G	2

802.11n HT20_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

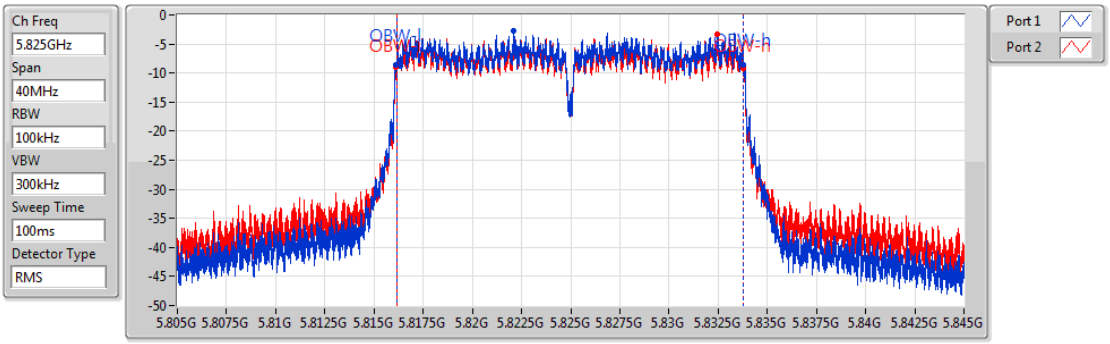
5785MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.775M	5.77608G	5.793855G	17.623M	5.776161G	5.793784G	5.725-5.85G	1
17.61M	5.77616G	5.79377G	17.628M	5.776156G	5.793784G	5.725-5.85G	2

802.11n HT20_Nss1,(MCS0)_2TX **Operating Freq/EBW-AU**

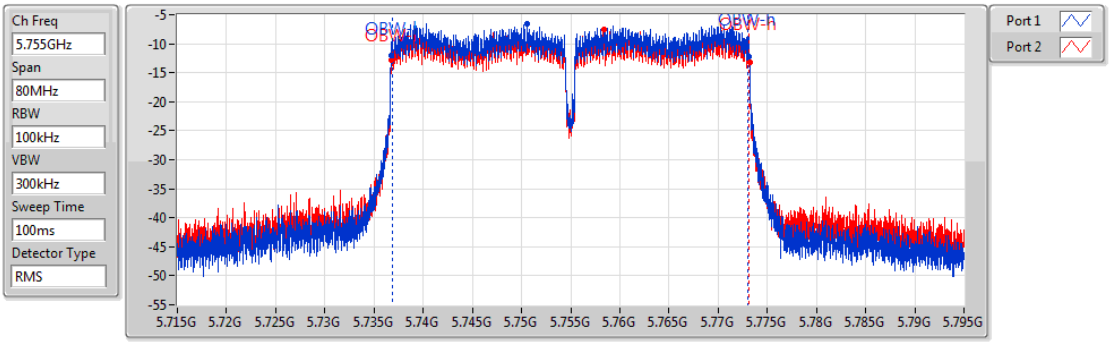
5825MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.655M	5.816135G	5.83379G	17.628M	5.816151G	5.833779G	5.725-5.85G	1
17.645M	5.816135G	5.83378G	17.633M	5.816146G	5.833779G	5.725-5.85G	2

802.11n HT40_Nss1,(MCS0)_2TX — Operating Freq/EBW-AU

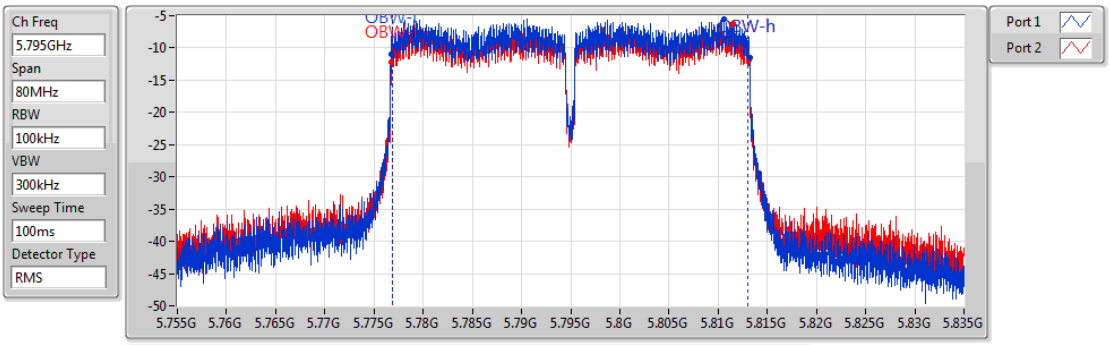
5755MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	5.73676G	5.77316G	36.175M	5.736882G	5.773058G	5.725-5.85G	1
36.42M	5.73679G	5.77321G	36.195M	5.736882G	5.773078G	5.725-5.85G	2

802.11n HT40_Nss1,(MCS0)_2TX — Operating Freq/EBW-AU

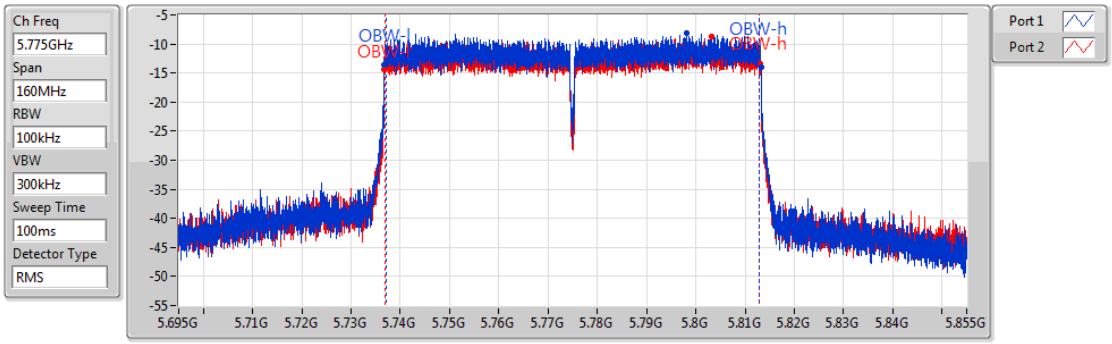
5795MHz_TnomVnom



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.43M	5.77677G	5.8132G	36.175M	5.776872G	5.813048G	5.725-5.85G	1
36.46M	5.77671G	5.81317G	36.185M	5.776882G	5.813068G	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
76.52M	5.73672G	5.81324G	75.911M	5.737025G	5.812935G	5.725-5.85G	1
76.4M	5.73676G	5.81316G	75.911M	5.736985G	5.812895G	5.725-5.85G	2

3.3 Peak Power Spectral Density

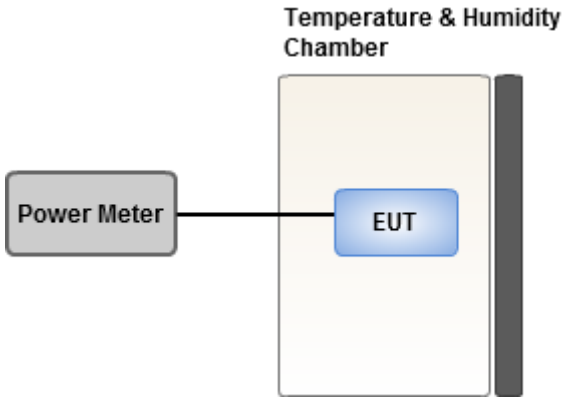
3.3.1 Peak Power Spectral Density Limits

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

Configuration 1 : Dipole Antenna

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-8.26	14	Pass
11a	5785	-8.35	14	Pass
11a	5825	-8.57	14	Pass
11ac VHT20	5745	-7.96	14	Pass
11ac VHT20	5785	-8.11	14	Pass
11ac VHT20	5825	-8.16	14	Pass
11ac VHT40	5755	-9.97	14	Pass
11ac VHT40	5795	-9.91	14	Pass
11ac VHT80	5775	-13.75	14	Pass

Configuration 2 : PCB Dipole Antenna

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-6.42	14	Pass
11a	5785	-6.58	14	Pass
11a	5825	-6.70	14	Pass
11ac VHT20	5745	-5.97	14	Pass
11ac VHT20	5785	-5.91	14	Pass
11ac VHT20	5825	-6.29	14	Pass
11ac VHT40	5755	-7.54	14	Pass
11ac VHT40	5795	-7.73	14	Pass
11ac VHT80	5775	-11.67	14	Pass

Configuration 3 : PIFA Antenna

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-7.41	14	Pass
11a	5785	-7.51	14	Pass
11a	5825	-7.80	14	Pass
11ac VHT20	5745	-6.95	14	Pass
11ac VHT20	5785	-7.04	14	Pass
11ac VHT20	5825	-7.33	14	Pass
11ac VHT40	5755	-8.59	14	Pass
11ac VHT40	5795	-8.90	14	Pass
11ac VHT80	5775	-15.57	14	Pass

Configuration 4: Isolated Magnetic Dipole Antenna

Modulation Mode	Freq. (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Results
11a	5745	-6.80	14	Pass
11a	5785	-6.96	14	Pass
11a	5825	-7.17	14	Pass
11ac VHT20	5745	-6.56	14	Pass
11ac VHT20	5785	-6.45	14	Pass
11ac VHT20	5825	-6.55	14	Pass
11ac VHT40	5755	-8.33	14	Pass
11ac VHT40	5795	-8.23	14	Pass
11ac VHT80	5775	-11.66	14	Pass

3.4 Operating Frequencies

3.4.1 Limit of Operating Frequencies

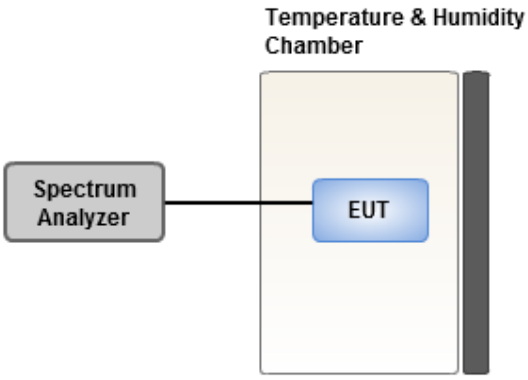
Lower sub-band frequency range shall fall in 5.15 GHz to 5.35 GHz ($f_L \geq 5.15$ GHz and $f_H \leq 5.35$ GHz).

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



3.4.4 Test Result of Operating Frequencies

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	5.736706G	5.833229G	16.533M	16.555M
802.11an HT20_Nss1,(MCS0)_2TX	Pass	5.725-5.85G	5.736141G	5.833779G	17.658M	17.775M
802.11an HT40_Nss1,(MCS0)_2TX	Pass	5.725-5.85G	5.736882G	5.813068G	36.195M	36.46M
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	5.725-5.85G	5.736985G	5.812935G	75.911M	76.52M

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	5.736706G	5.753234G	16.528M	16.53M
5785MHz_TnomVnom	Pass	5.725-5.85G	5.776706G	5.793234G	16.528M	16.555M
5825MHz_TnomVnom	Pass	5.725-5.85G	5.816696G	5.833229G	16.533M	16.555M
802.11an HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	5.725-5.85G	5.736141G	5.753799G	17.658M	17.73M
5785MHz_TnomVnom	Pass	5.725-5.85G	5.776156G	5.793784G	17.628M	17.775M
5825MHz_TnomVnom	Pass	5.725-5.85G	5.816146G	5.833779G	17.633M	17.655M
802.11an HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz_TnomVnom	Pass	5.725-5.85G	5.736882G	5.773078G	36.195M	36.42M
5795MHz_TnomVnom	Pass	5.725-5.85G	5.776872G	5.813068G	36.185M	36.46M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz_TnomVnom	Pass	5.725-5.85G	5.736985G	5.812935G	75.911M	76.52M

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;

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

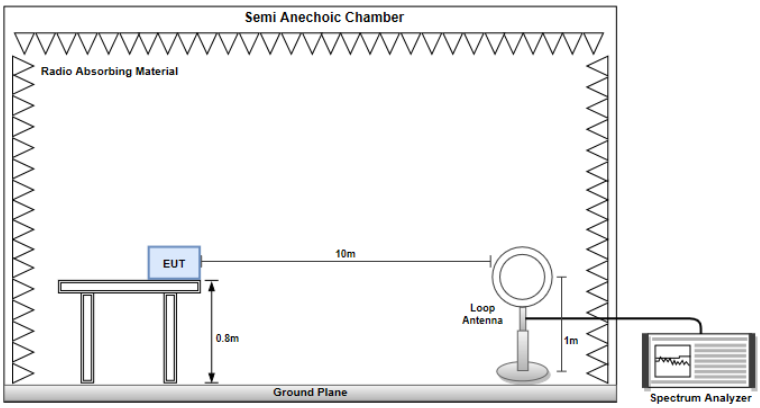
Conducted Emission Limit			
Frequency Ranges / State	**47 MHz to 74 MHz 87,5 MHz to 108 MHz 174 MHz to 230 MHz 470 MHz to 862 MHz**	**Other frequencies ≤1000 MHz**	**Frequencies > 1000 MHz**
Operating	-57.01 dBm	-39.01 dBm	-33.01 dBm
Standby	-60.01 dBm	-60.01 dBm	-50.01 dBm

3.5.2 Test Procedures

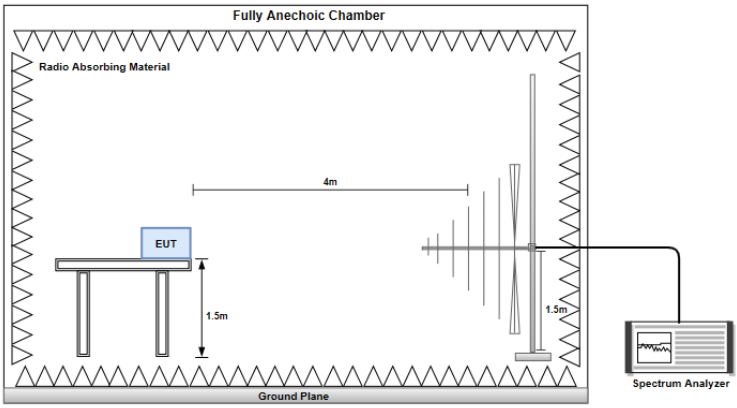
Reference to clause 4.2.4.3 of EN 300 440 V2.1.1 (2017-03).

3.5.3 Test Setup

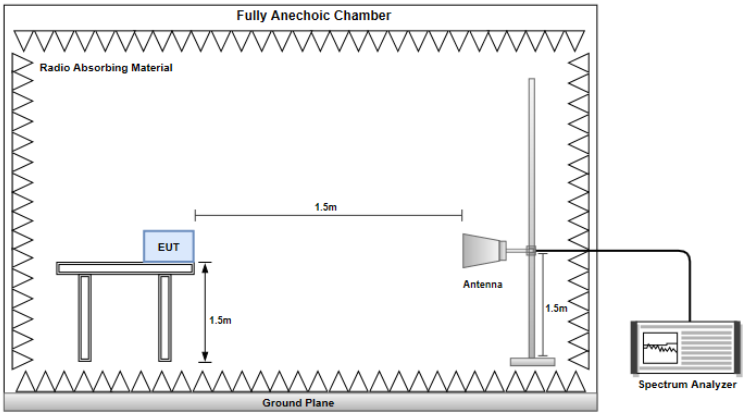
Below 30MHz



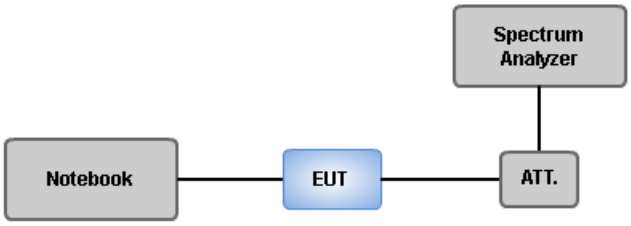
Below 1GHz



Above 1 GHz



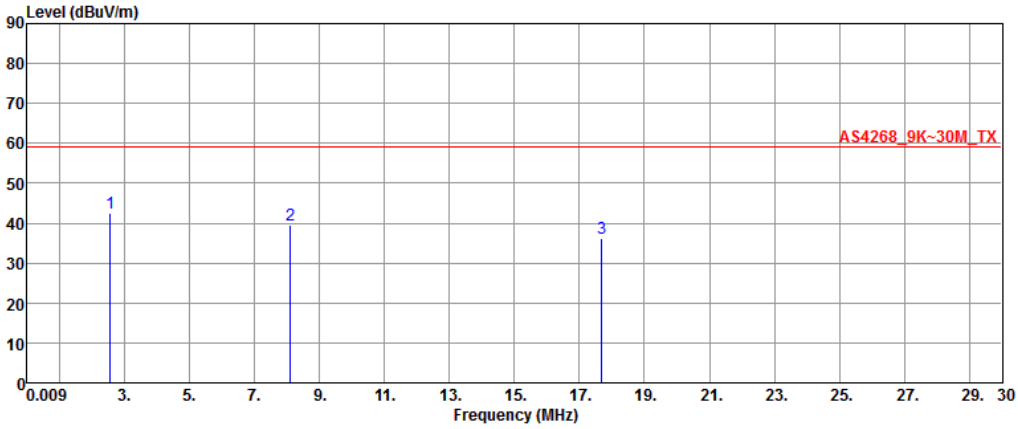
Conducted Emission



3.5.4 Transmitter Radiated Unwanted Emissions (≤ 30MHz)

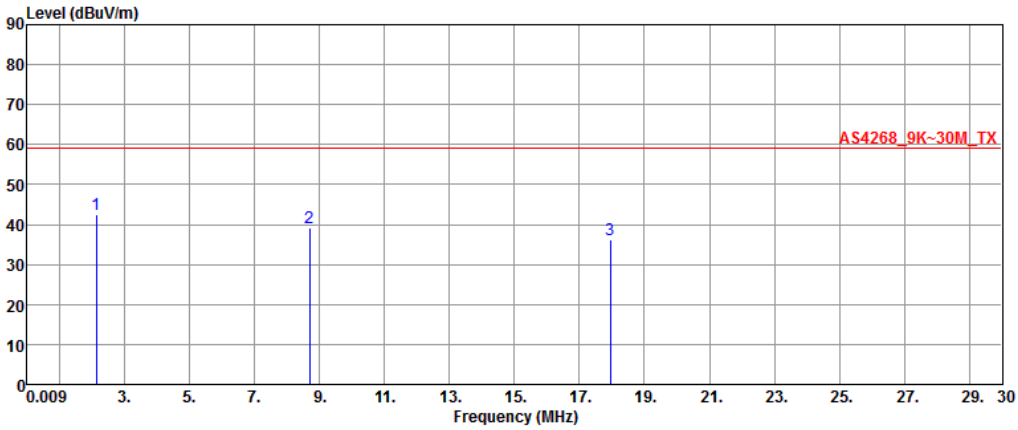
Configuration 1 : Dipole Antenna

Modulation	11a	Test Freq. (MHz)	5745



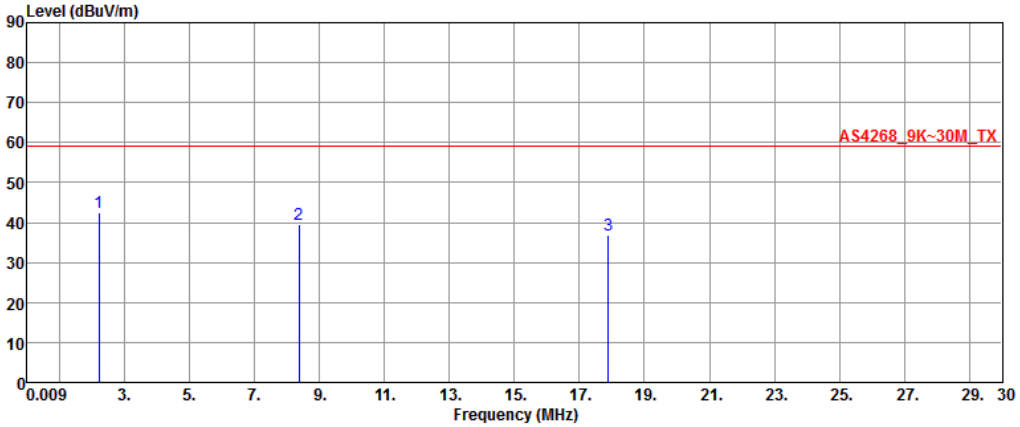
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.57	42.51	59.00	-16.49	19.64	22.87
2	8.10	39.67	59.00	-19.33	21.02	18.65
3	17.68	36.10	59.00	-22.90	22.28	13.82

Modulation	11a	Test Freq. (MHz)	5785



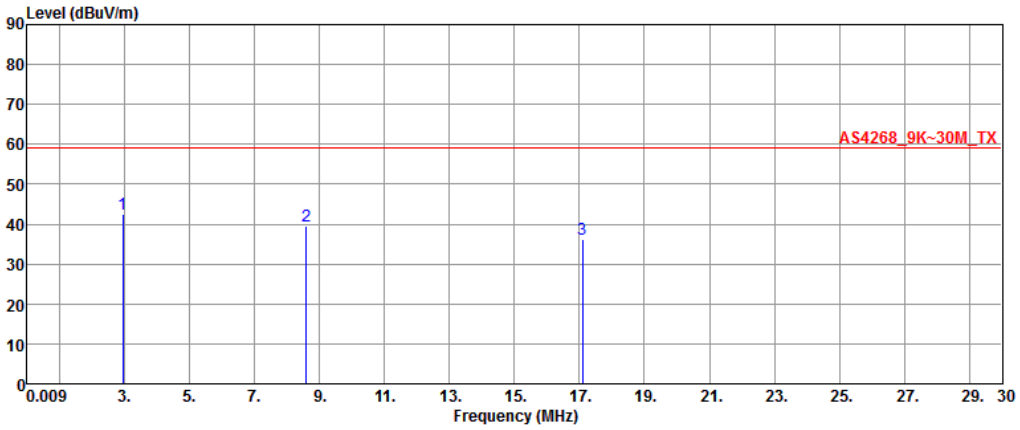
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.12	42.51	59.00	-16.49	19.77	22.74
2	8.69	39.34	59.00	-19.66	21.09	18.25
3	17.96	36.14	59.00	-22.86	22.31	13.83

Modulation	11a	Test Freq. (MHz)	5825



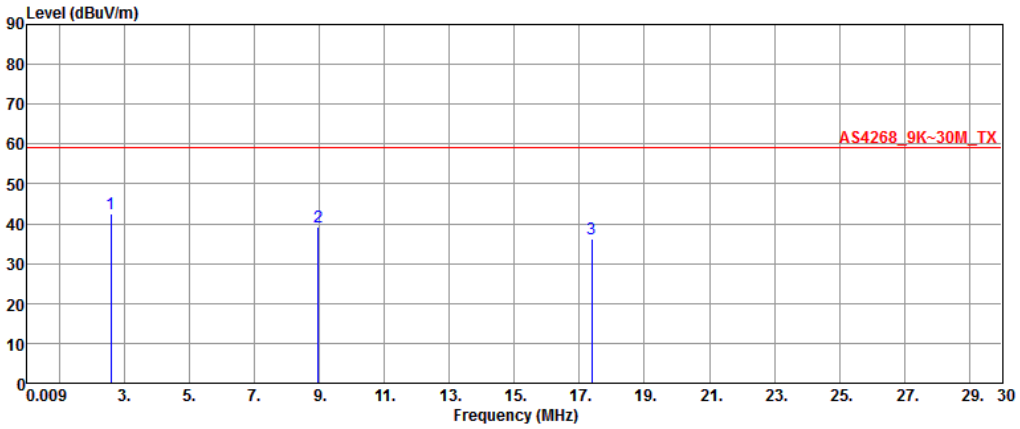
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.20	42.51	59.00	-16.49	19.74	22.77
2	8.38	39.61	59.00	-19.39	21.05	18.56
3	17.89	36.86	59.00	-22.14	22.30	14.56

Modulation	VHT20	Test Freq. (MHz)	5745



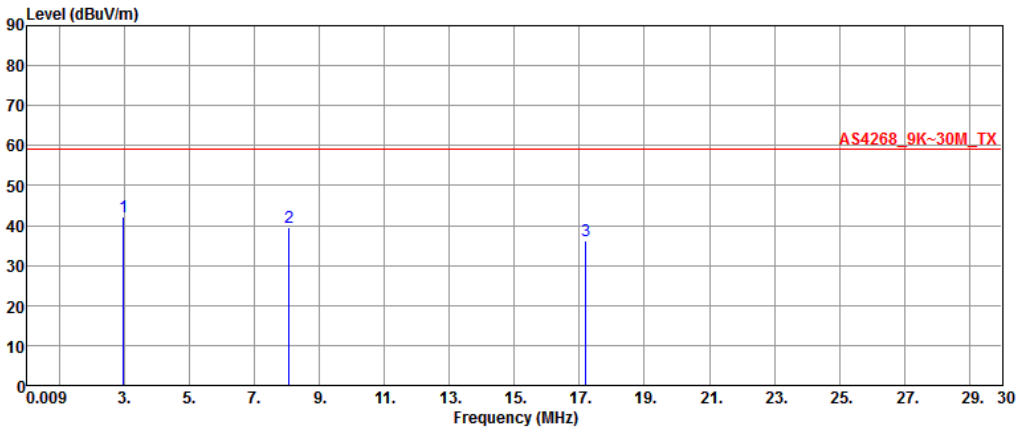
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.95	42.41	59.00	-16.59	19.54	22.87
2	8.59	39.68	59.00	-19.32	21.08	18.60
3	17.10	36.34	59.00	-22.66	22.22	14.12

Modulation	VHT20	Test Freq. (MHz)	5785



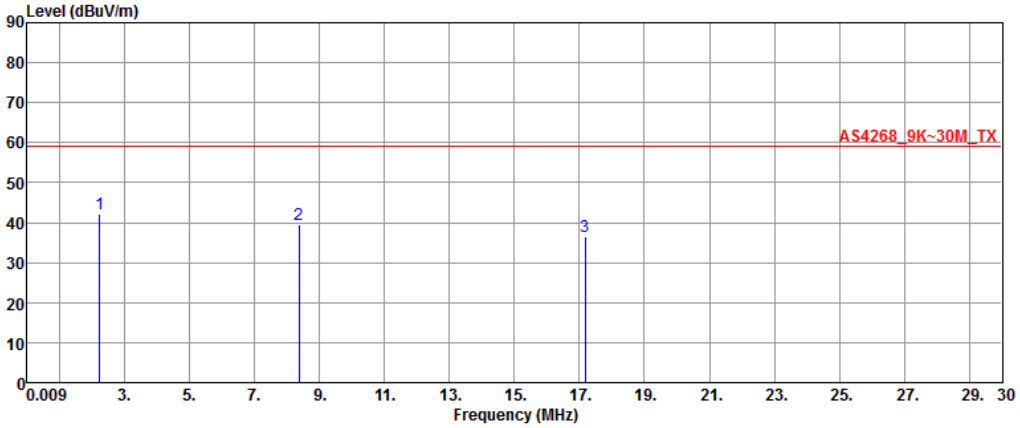
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.57	42.41	59.00	-16.59	19.64	22.77
2	8.96	39.24	59.00	-19.76	21.11	18.13
3	17.37	36.05	59.00	-22.95	22.25	13.80

Modulation	VHT20	Test Freq. (MHz)	5825



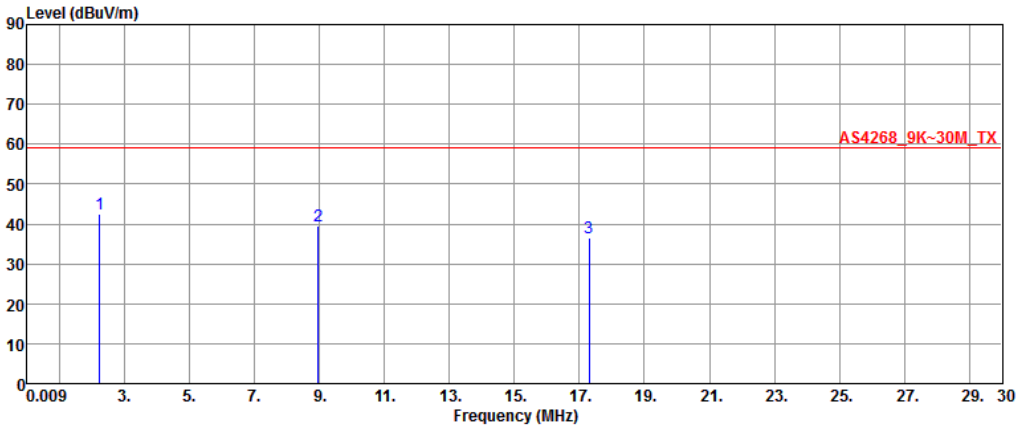
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.97	42.14	59.00	-16.86	19.54	22.60
2	8.06	39.36	59.00	-19.64	21.01	18.35
3	17.19	36.27	59.00	-22.73	22.23	14.04

Modulation	VHT40	Test Freq. (MHz)	5755



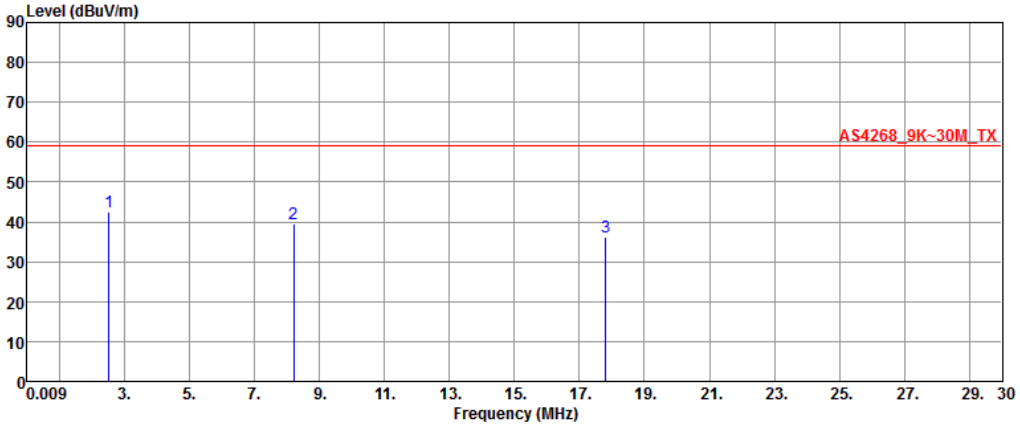
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.24	42.11	59.00	-16.89	19.73	22.38
2	8.38	39.64	59.00	-19.36	21.05	18.59
3	17.17	36.55	59.00	-22.45	22.23	14.32

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.23	42.41	59.00	-16.59	19.74	22.67
2	8.96	39.67	59.00	-19.33	21.11	18.56
3	17.31	36.67	59.00	-22.33	22.24	14.43

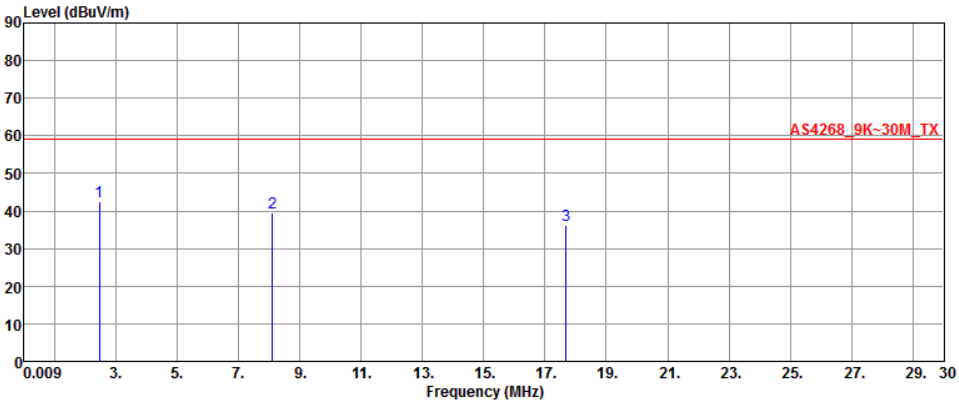
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.51	42.67	59.00	-16.33	19.66	23.01
2	8.21	39.37	59.00	-19.63	21.03	18.34
3	17.80	36.23	59.00	-22.77	22.29	13.94

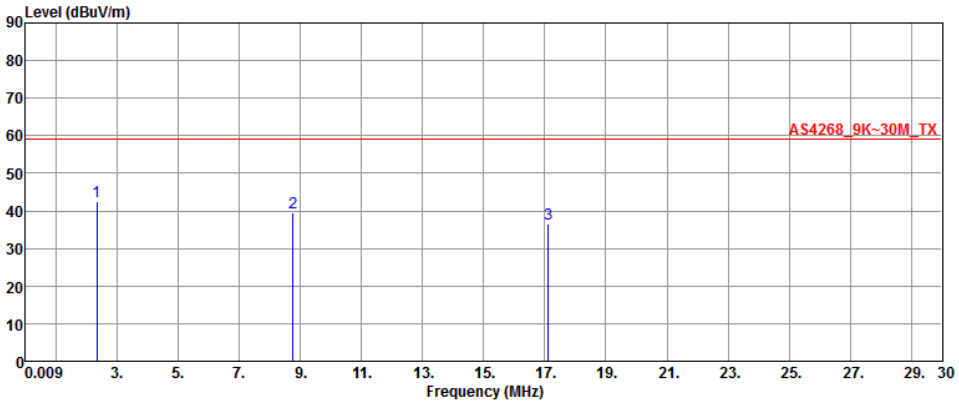
Configuration 2 : PCB Dipole Antenna

Modulation	11a	Test Freq. (MHz)	5745



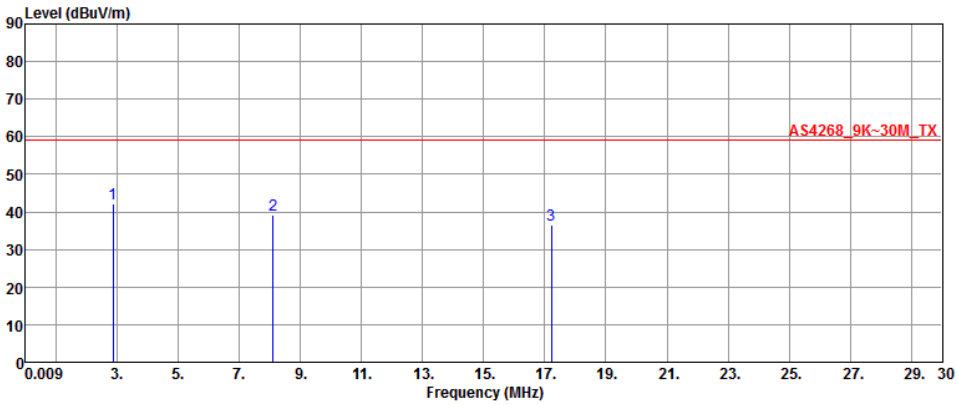
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.45	42.66	59.00	-16.34	19.68	22.98
2	8.11	39.47	59.00	-19.53	21.02	18.45
3	17.68	36.15	59.00	-22.85	22.28	13.87

Modulation	11a	Test Freq. (MHz)	5785



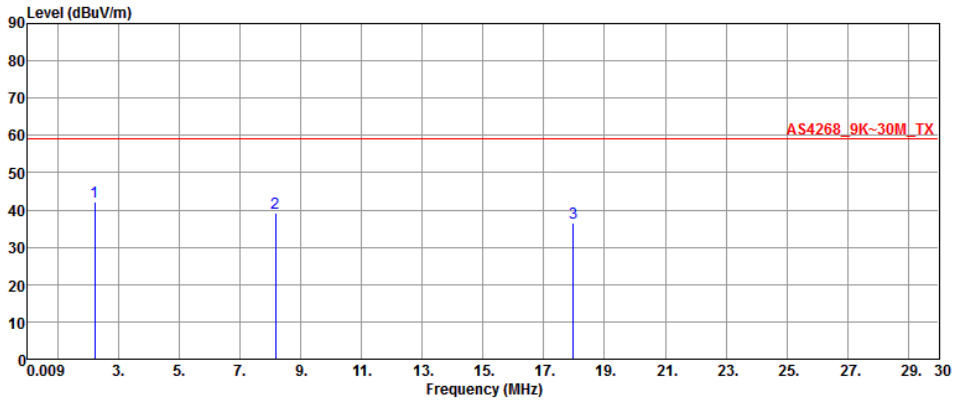
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.34	42.62	59.00	-16.38	19.70	22.92
2	8.76	39.47	59.00	-19.53	21.10	18.37
3	17.11	36.46	59.00	-22.54	22.22	14.24

Modulation	11a	Test Freq. (MHz)	5825



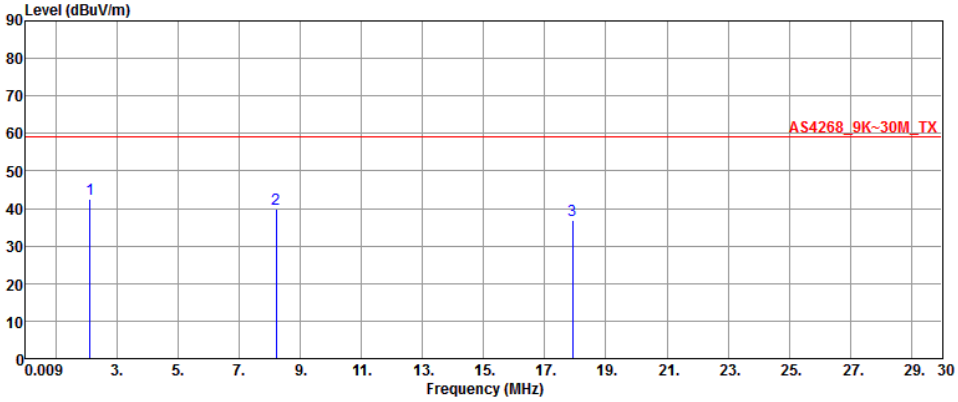
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.87	42.20	59.00	-16.80	19.56	22.64
2	8.10	39.17	59.00	-19.83	21.02	18.15
3	17.22	36.68	59.00	-22.32	22.23	14.45

Modulation	VHT20	Test Freq. (MHz)	5745



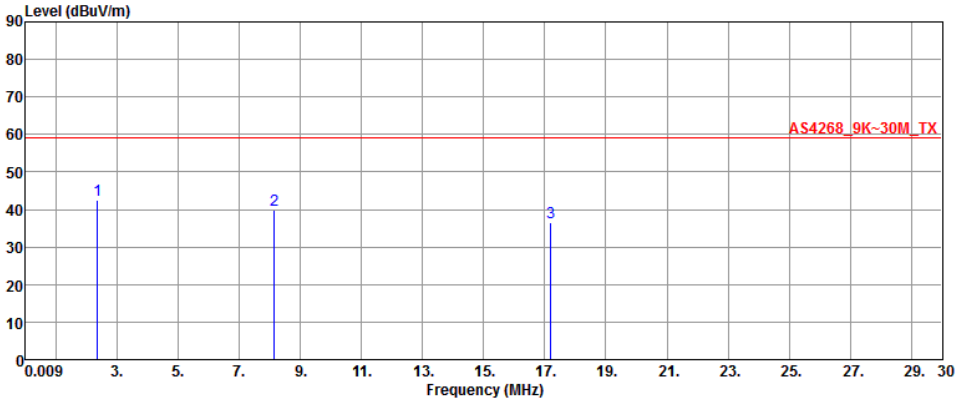
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.21	42.24	59.00	-16.76	19.74	22.50
2	8.17	39.23	59.00	-19.77	21.02	18.21
3	17.97	36.55	59.00	-22.45	22.31	14.24

Modulation	VHT20	Test Freq. (MHz)	5785



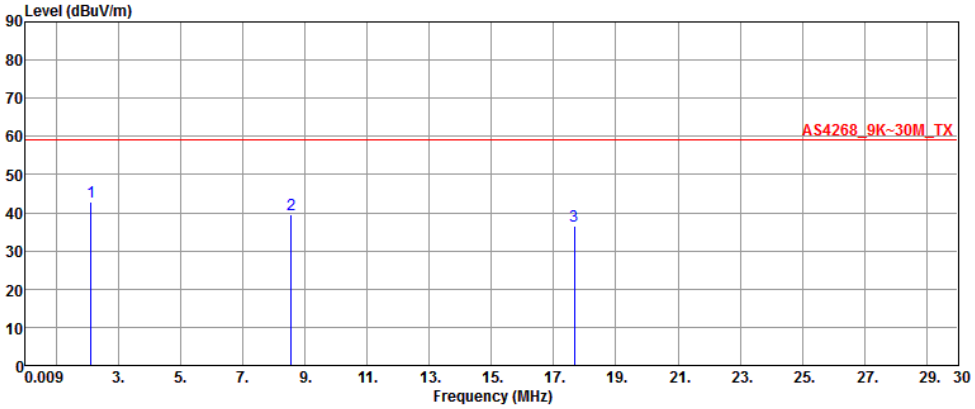
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.10	42.58	59.00	-16.42	19.78	22.80
2	8.21	39.69	59.00	-19.31	21.03	18.66
3	17.92	36.75	59.00	-22.25	22.30	14.45

Modulation	VHT20	Test Freq. (MHz)	5825



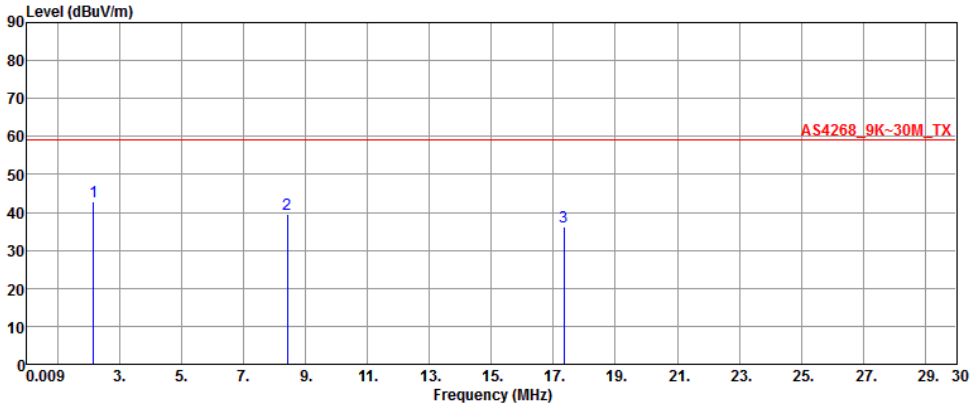
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.36	42.66	59.00	-16.34	19.70	22.96
2	8.14	39.85	59.00	-19.15	21.02	18.83
3	17.20	36.37	59.00	-22.63	22.23	14.14

Modulation	VHT40	Test Freq. (MHz)	5755



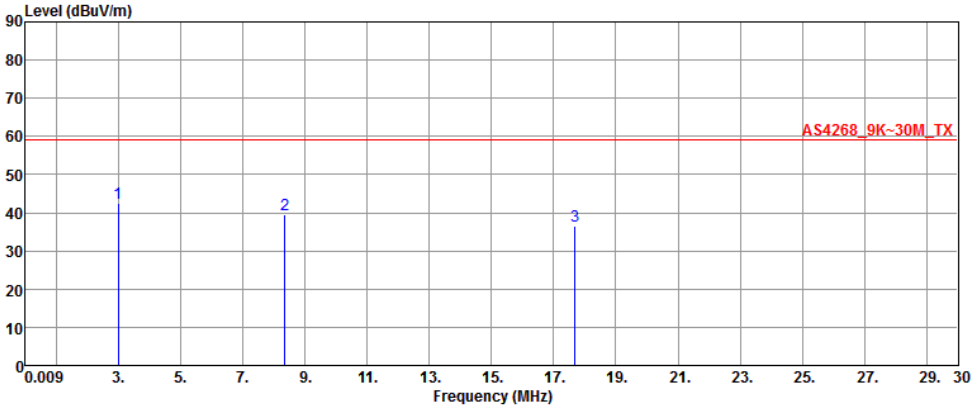
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.10	42.81	59.00	-16.19	19.78	23.03
2	8.55	39.37	59.00	-19.63	21.07	18.30
3	17.66	36.44	59.00	-22.56	22.27	14.17

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.16	42.96	59.00	-16.04	19.76	23.20
2	8.41	39.51	59.00	-19.49	21.05	18.46
3	17.34	36.26	59.00	-22.74	22.24	14.02

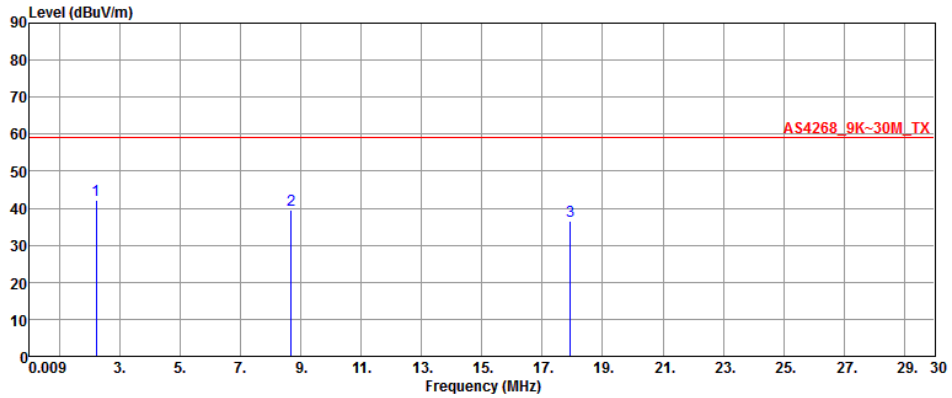
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.98	42.56	59.00	-16.44	19.54	23.02
2	8.35	39.55	59.00	-19.45	21.04	18.51
3	17.69	36.41	59.00	-22.59	22.28	14.13

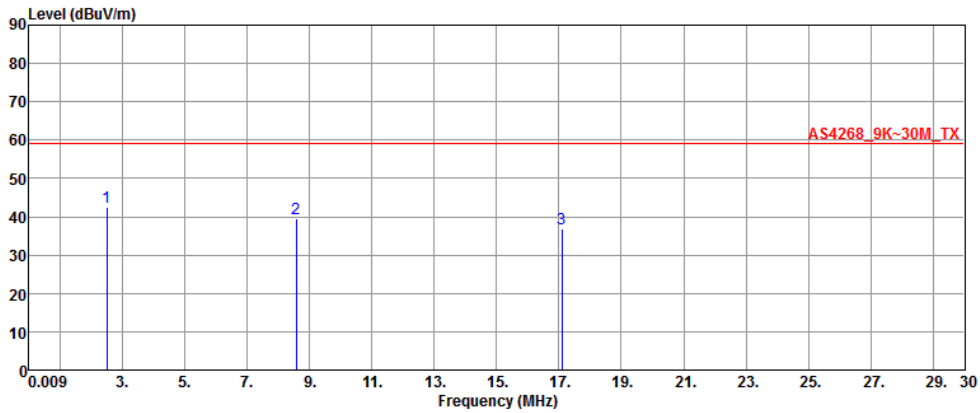
Configuration 3 : PIFA Antenna

Modulation	11a	Test Freq. (MHz)	5745



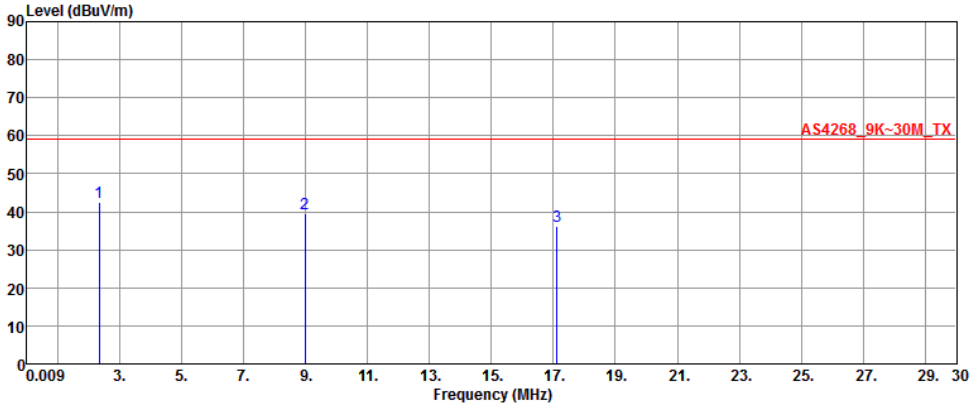
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.20	42.13	59.00	-16.87	19.75	22.38
2	8.68	39.44	59.00	-19.56	21.09	18.35
3	17.93	36.55	59.00	-22.45	22.30	14.25

Modulation	11a	Test Freq. (MHz)	5785



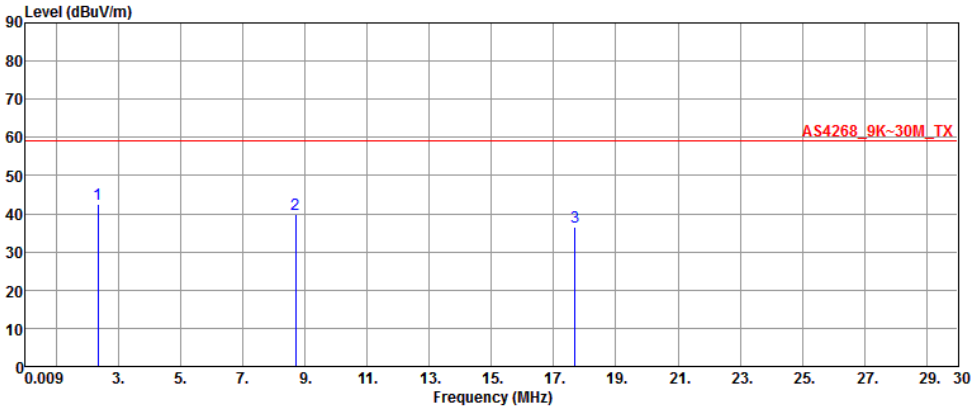
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.50	42.35	59.00	-16.65	19.66	22.69
2	8.58	39.59	59.00	-19.41	21.08	18.51
3	17.10	36.72	59.00	-22.28	22.22	14.50

Modulation	11a	Test Freq. (MHz)	5825



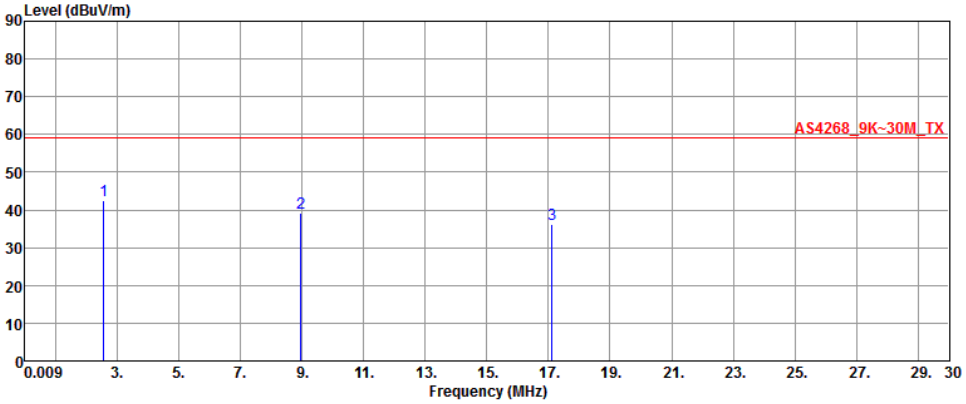
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.34	42.55	59.00	-16.45	19.70	22.85
2	8.99	39.67	59.00	-19.33	21.12	18.55
3	17.12	36.33	59.00	-22.67	22.22	14.11

Modulation	VHT20	Test Freq. (MHz)	5745



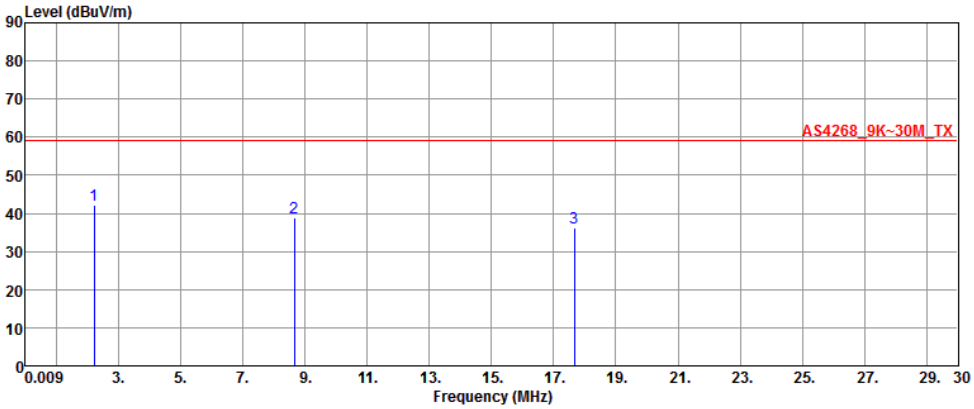
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.33	42.40	59.00	-16.60	19.70	22.70
2	8.69	39.95	59.00	-19.05	21.09	18.86
3	17.69	36.41	59.00	-22.59	22.28	14.13

Modulation	VHT20	Test Freq. (MHz)	5785



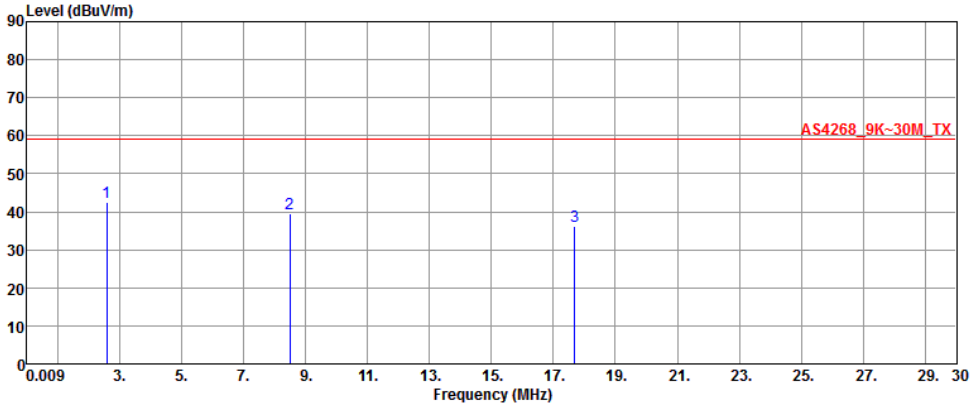
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.56	42.61	59.00	-16.39	19.65	22.96
2	8.95	39.14	59.00	-19.86	21.11	18.03
3	17.12	36.35	59.00	-22.65	22.22	14.13

Modulation	VHT20	Test Freq. (MHz)	5825



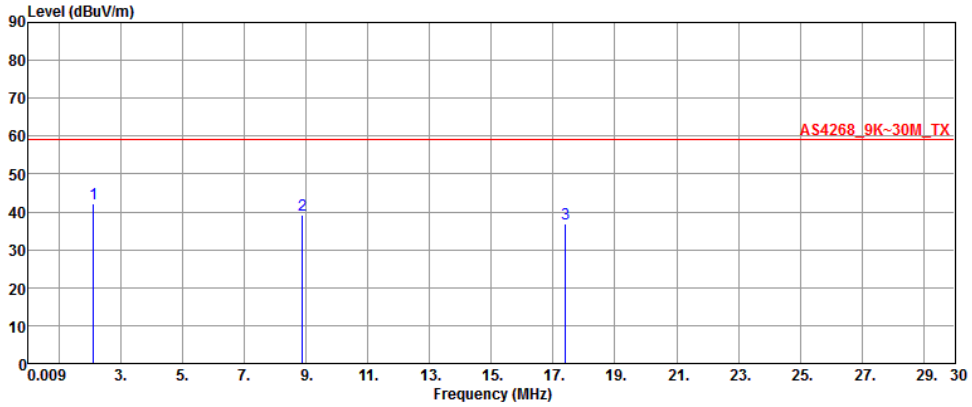
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.20	42.30	59.00	-16.70	19.74	22.56
2	8.66	39.02	59.00	-19.98	21.09	17.93
3	17.66	36.36	59.00	-22.64	22.27	14.09

Modulation	VHT40	Test Freq. (MHz)	5755



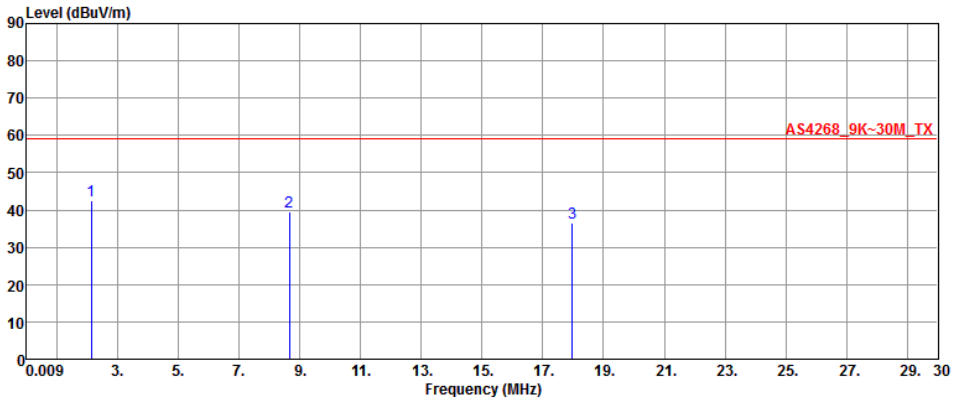
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.57	42.51	59.00	-16.49	19.64	22.87
2	8.49	39.47	59.00	-19.53	21.07	18.40
3	17.68	36.24	59.00	-22.76	22.28	13.96

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.12	42.06	59.00	-16.94	19.77	22.29
2	8.88	39.23	59.00	-19.77	21.11	18.12
3	17.40	36.75	59.00	-22.25	22.25	14.50

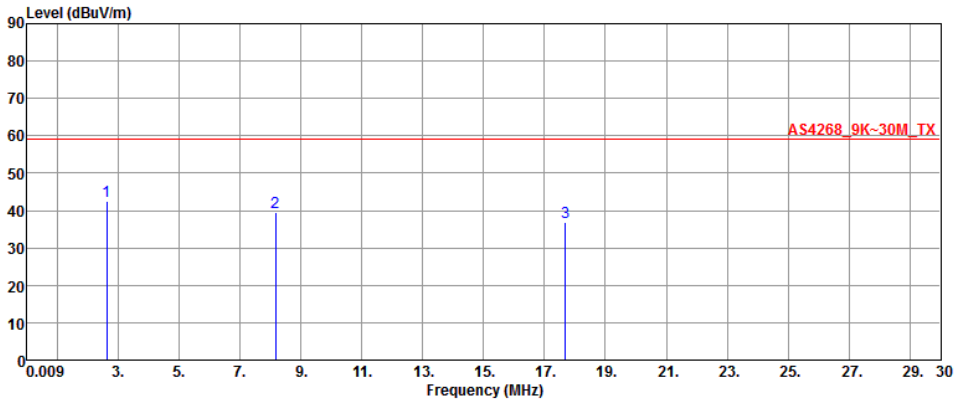
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.12	42.36	59.00	-16.64	19.77	22.59
2	8.65	39.47	59.00	-19.53	21.08	18.39
3	17.98	36.65	59.00	-22.35	22.32	14.33

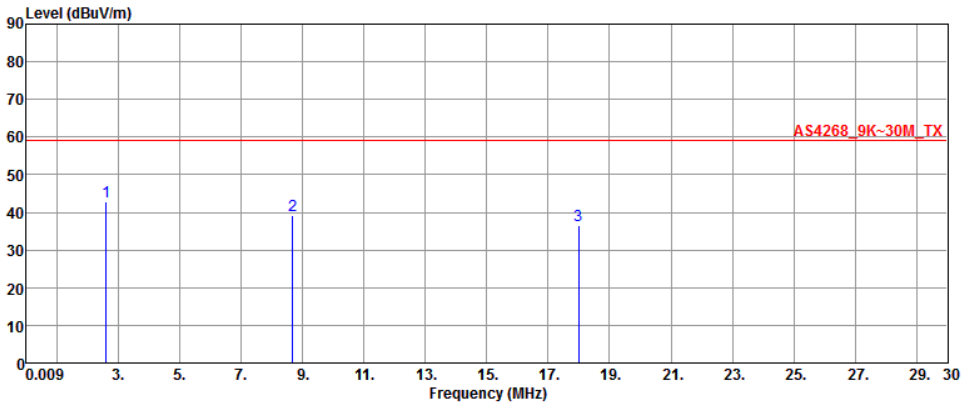
Configuration 4: Isolated Magnetic Dipole Antenna

Modulation	11a	Test Freq. (MHz)	5745



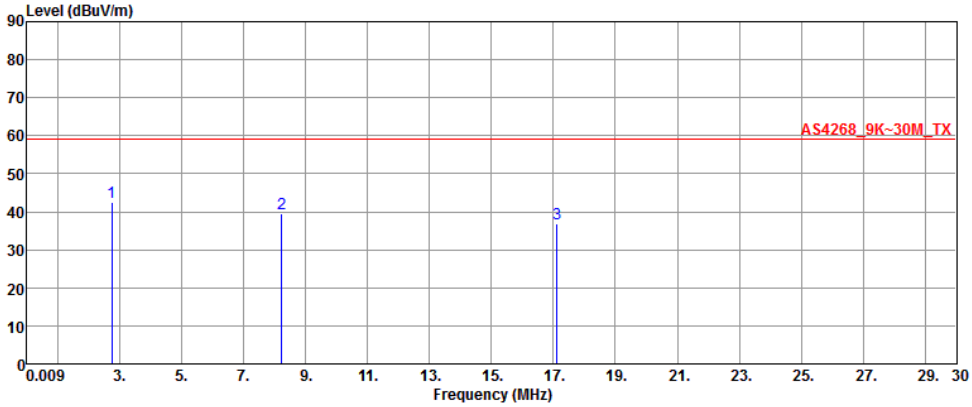
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.63	42.56	59.00	-16.44	19.63	22.93
2	8.17	39.38	59.00	-19.62	21.03	18.35
3	17.68	36.77	59.00	-22.23	22.28	14.49

Modulation	11a	Test Freq. (MHz)	5785



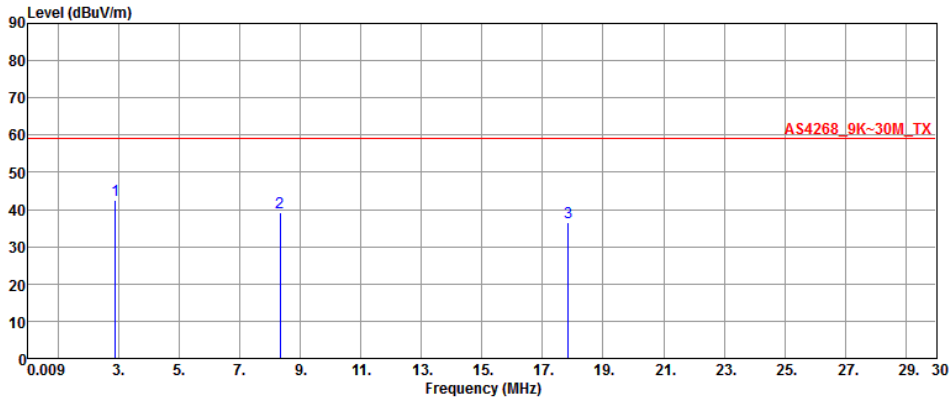
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.60	42.72	59.00	-16.28	19.63	23.09
2	8.68	39.14	59.00	-19.86	21.09	18.05
3	17.99	36.41	59.00	-22.59	22.32	14.09

Modulation	11a	Test Freq. (MHz)	5825



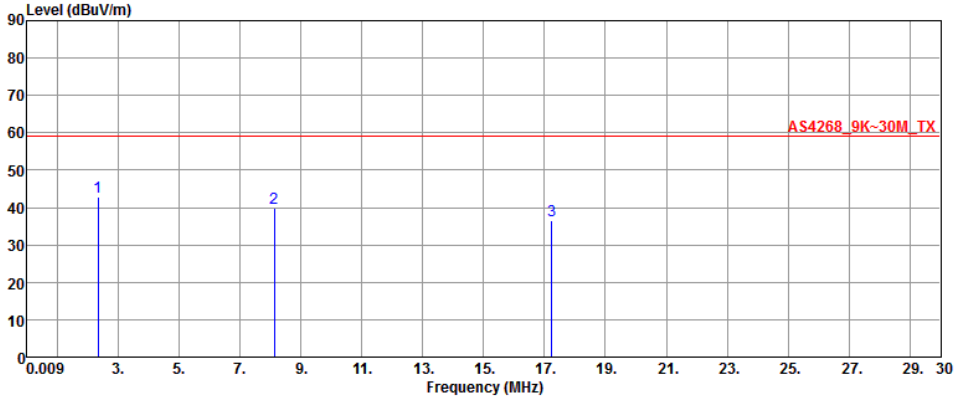
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.74	42.51	59.00	-16.49	19.60	22.91
2	8.23	39.68	59.00	-19.32	21.03	18.65
3	17.11	36.88	59.00	-22.12	22.22	14.66

Modulation	VHT20	Test Freq. (MHz)	5745



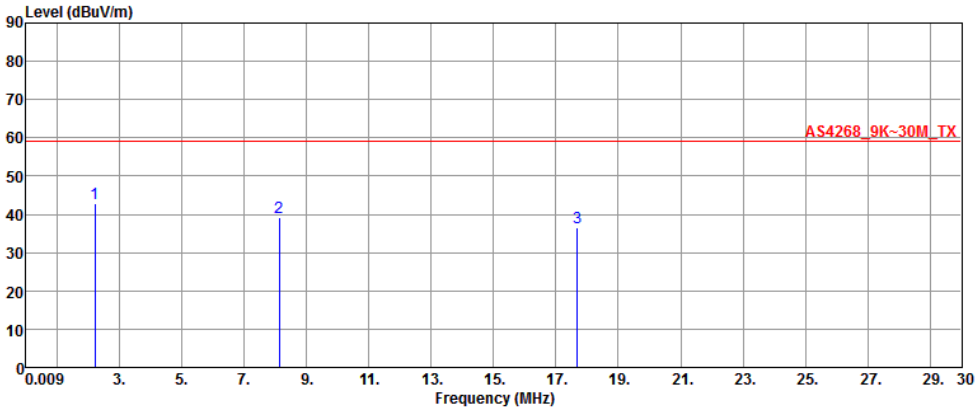
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.89	42.67	59.00	-16.33	19.56	23.11
2	8.32	39.22	59.00	-19.78	21.04	18.18
3	17.85	36.38	59.00	-22.62	22.29	14.09

Modulation	VHT20	Test Freq. (MHz)	5785



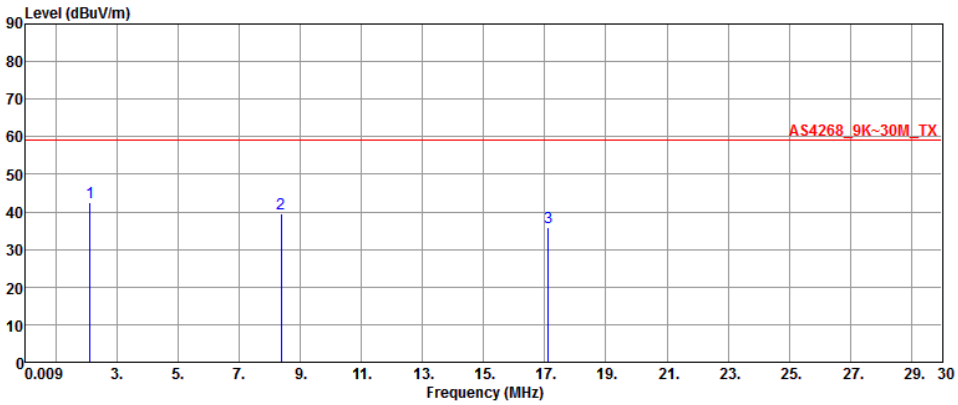
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.33	42.97	59.00	-16.03	19.71	23.26
2	8.12	39.85	59.00	-19.15	21.02	18.83
3	17.23	36.65	59.00	-22.35	22.23	14.42

Modulation	VHT20	Test Freq. (MHz)	5825



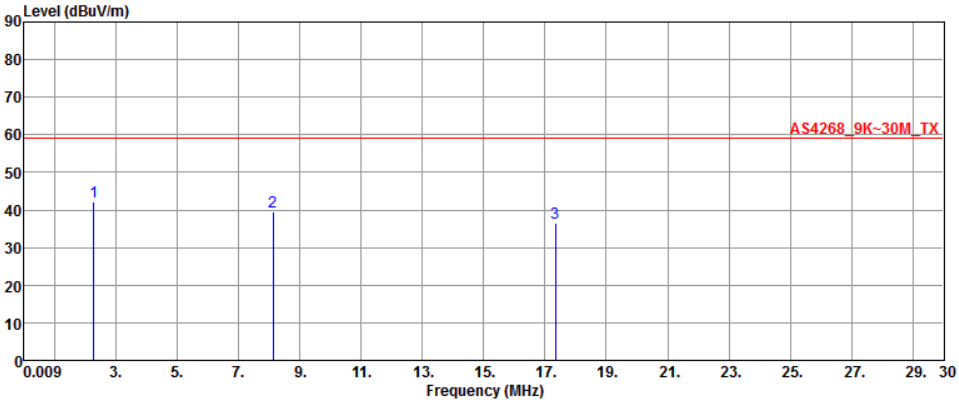
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.20	42.76	59.00	-16.24	19.74	23.02
2	8.11	39.06	59.00	-19.94	21.02	18.04
3	17.68	36.55	59.00	-22.45	22.28	14.27

Modulation	VHT40	Test Freq. (MHz)	5755



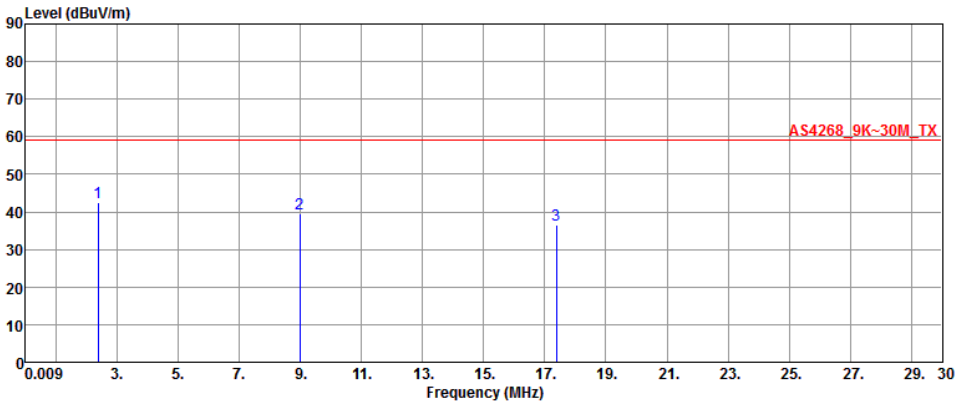
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.10	42.51	59.00	-16.49	19.78	22.73
2	8.37	39.65	59.00	-19.35	21.05	18.60
3	17.11	36.01	59.00	-22.99	22.22	13.79

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.27	42.31	59.00	-16.69	19.72	22.59
2	8.12	39.50	59.00	-19.50	21.02	18.48
3	17.33	36.66	59.00	-22.34	22.24	14.42

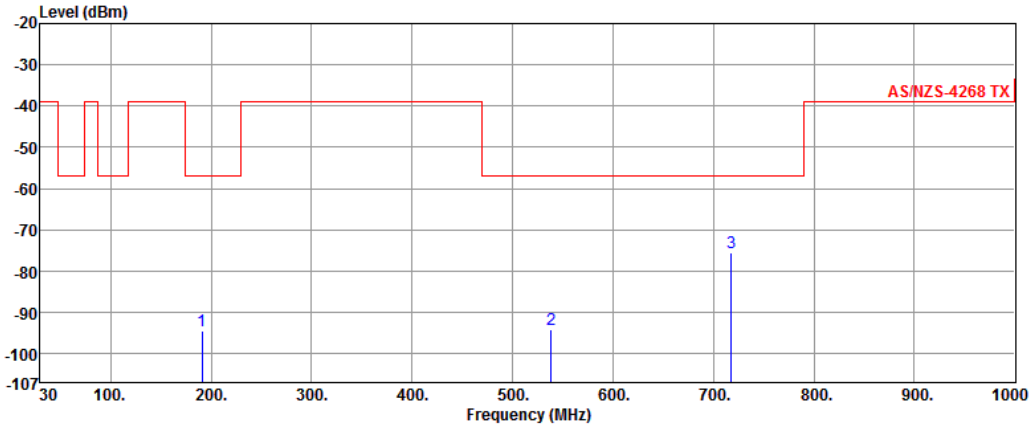
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.38	42.41	59.00	-16.59	19.70	22.71
2	8.98	39.50	59.00	-19.50	21.12	18.38
3	17.37	36.45	59.00	-22.55	22.25	14.20

3.5.5 Transmitter Conducted Unwanted Emissions (Below 1GHz)

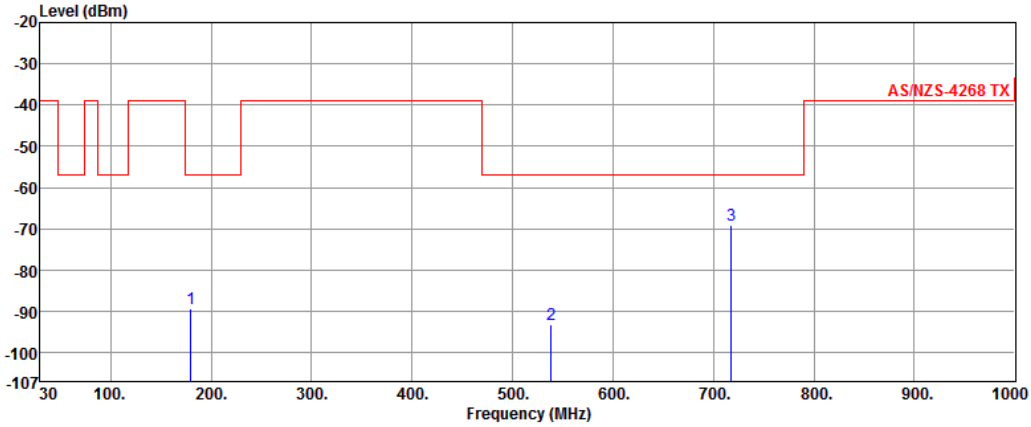
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	191.02	-94.63	-57.01	-37.62	0.00	-94.63
2	538.28	-94.01	-57.01	-37.00	0.00	-94.01
3	717.73	-75.52	-57.01	-18.51	0.00	-75.52

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

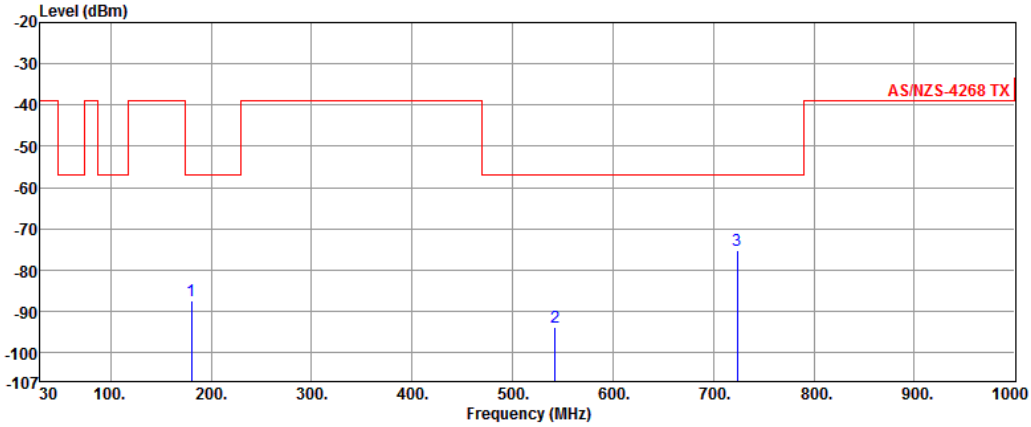
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	179.38	-89.37	-57.01	-32.36	0.00	-89.37
2	538.28	-93.18	-57.01	-36.17	0.00	-93.18
3	717.73	-69.21	-57.01	-12.20	0.00	-69.21

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

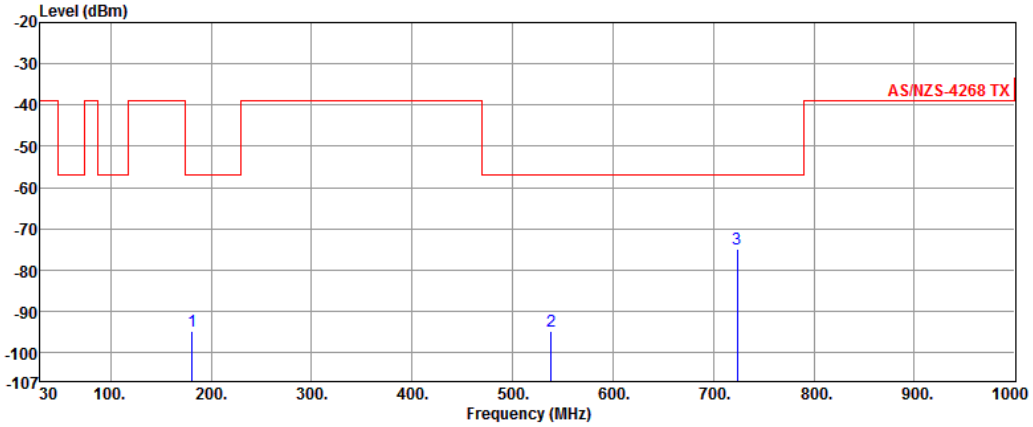
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	180.35	-87.39	-57.01	-30.38	0.00	-87.39
2	542.16	-93.74	-57.01	-36.73	0.00	-93.74
3	723.55	-75.33	-57.01	-18.32	0.00	-75.33

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

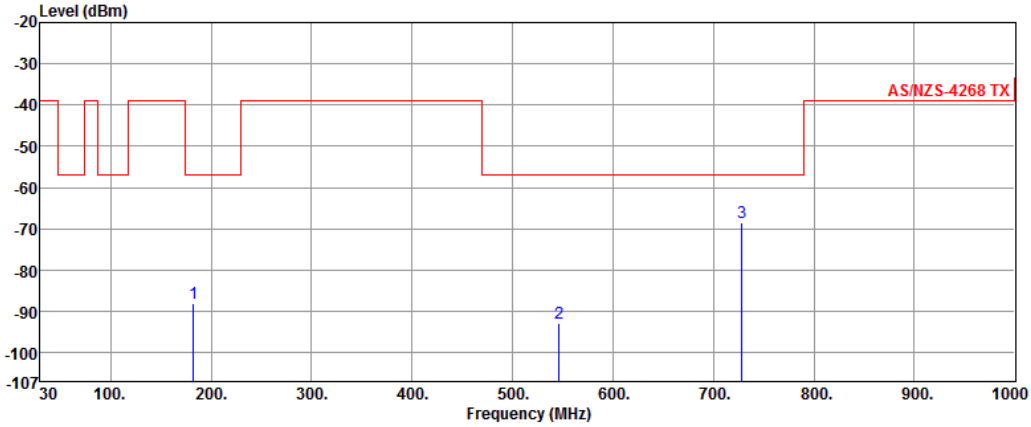
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	181.32	-94.64	-57.01	-37.63	0.00	-94.64
2	538.28	-94.92	-57.01	-37.91	0.00	-94.92
3	723.55	-74.78	-57.01	-17.77	0.00	-74.78

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

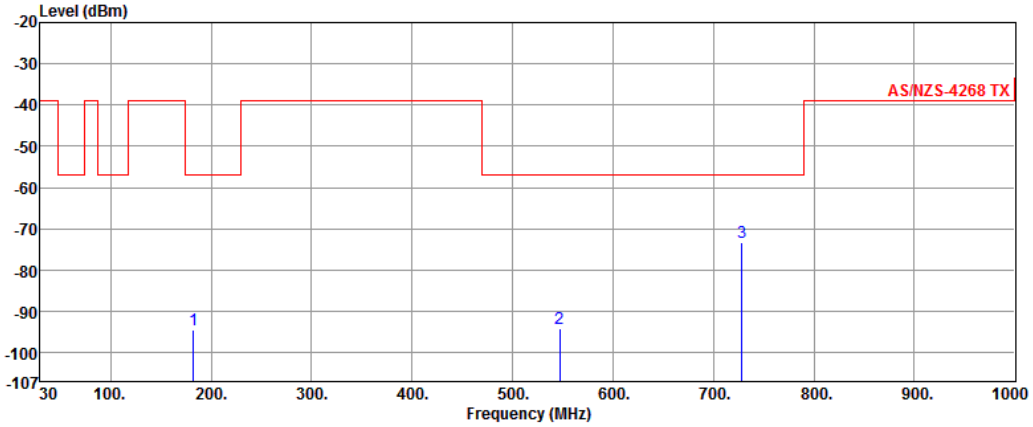
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	182.29	-88.01	-57.01	-31.00	0.00	-88.01
2	546.04	-92.96	-57.01	-35.95	0.00	-92.96
3	728.40	-68.35	-57.01	-11.34	0.00	-68.35

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

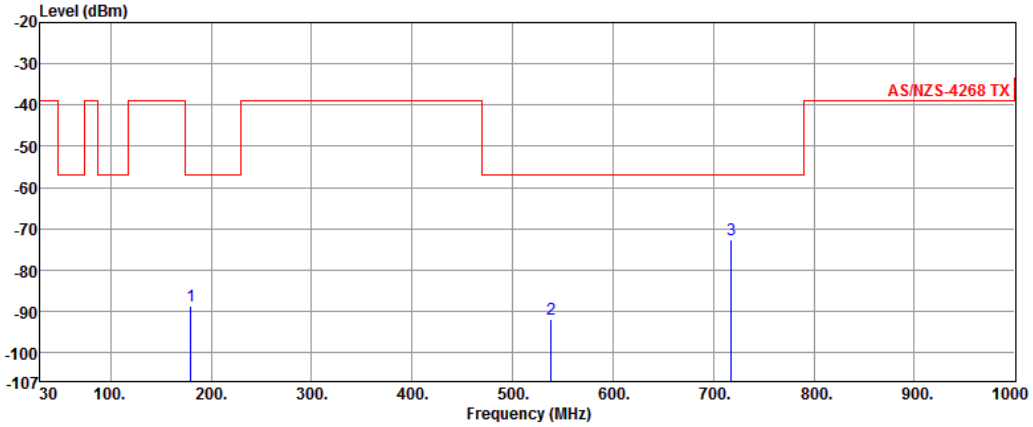
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	182.29	-94.42	-57.01	-37.41	0.00	-94.42
2	547.01	-94.16	-57.01	-37.15	0.00	-94.16
3	728.40	-73.34	-57.01	-16.33	0.00	-73.34

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

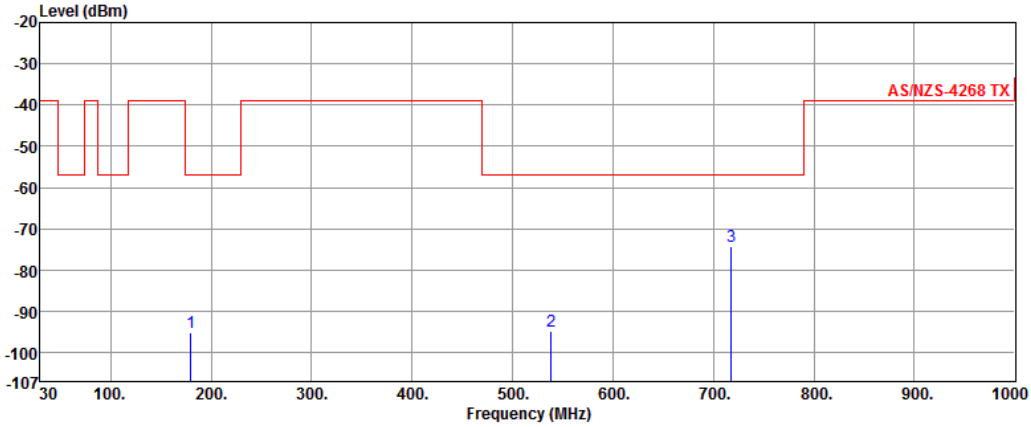
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	179.38	-88.55	-57.01	-31.54	0.00	-88.55
2	538.28	-91.86	-57.01	-34.85	0.00	-91.86
3	717.73	-72.63	-57.01	-15.62	0.00	-72.63

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

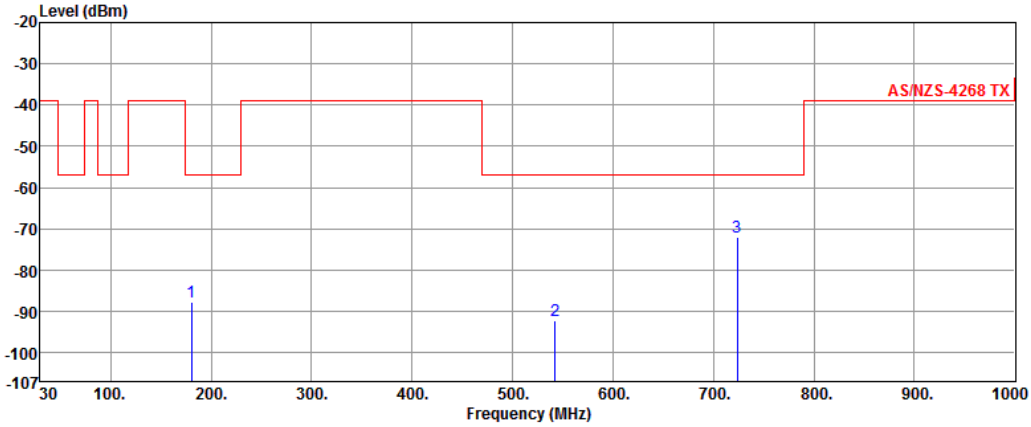
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	179.38	-94.99	-57.01	-37.98	0.00	-94.99
2	538.28	-94.86	-57.01	-37.85	0.00	-94.86
3	717.73	-74.15	-57.01	-17.14	0.00	-74.15

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

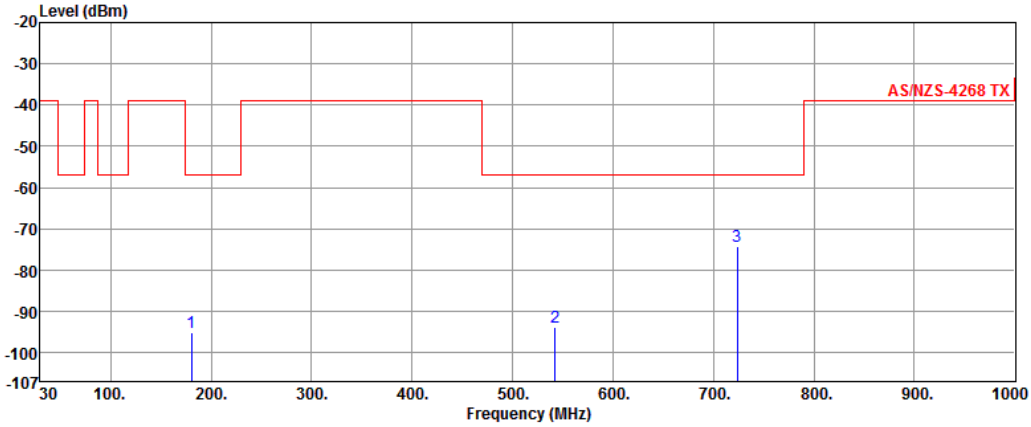
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	180.35	-87.76	-57.01	-30.75	0.00	-87.76
2	542.16	-92.34	-57.01	-35.33	0.00	-92.34
3	723.55	-72.06	-57.01	-15.05	0.00	-72.06

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

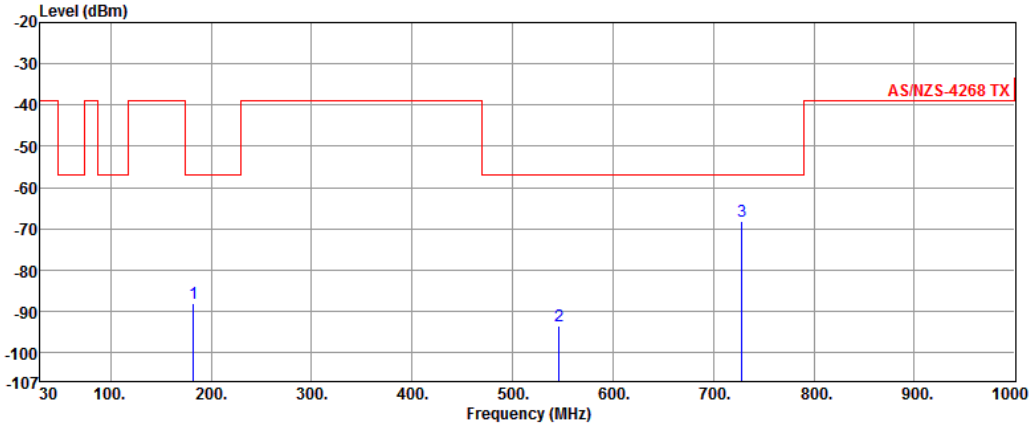
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	180.35	-95.17	-57.01	-38.16	0.00	-95.17
2	542.16	-93.94	-57.01	-36.93	0.00	-93.94
3	723.55	-74.10	-57.01	-17.09	0.00	-74.10

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

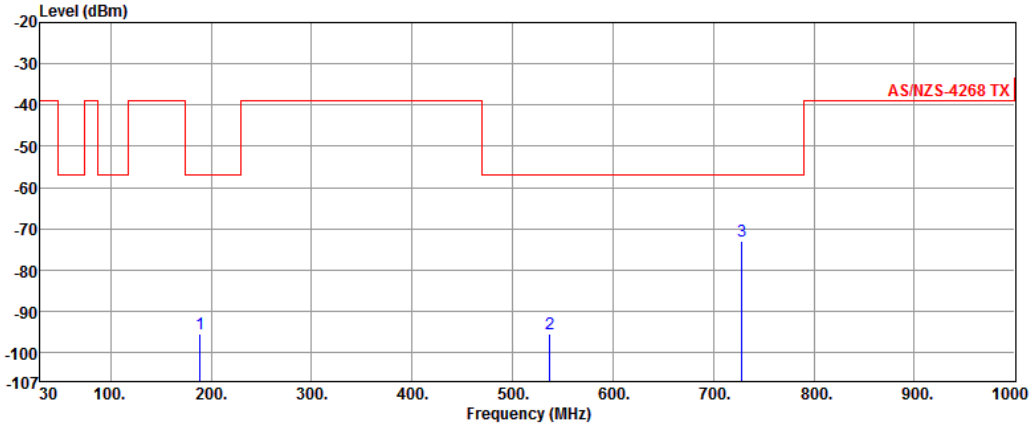
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	182.29	-88.05	-57.01	-31.04	0.00	-88.05
2	546.04	-93.57	-57.01	-36.56	0.00	-93.57
3	728.40	-68.06	-57.01	-11.05	0.00	-68.06

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

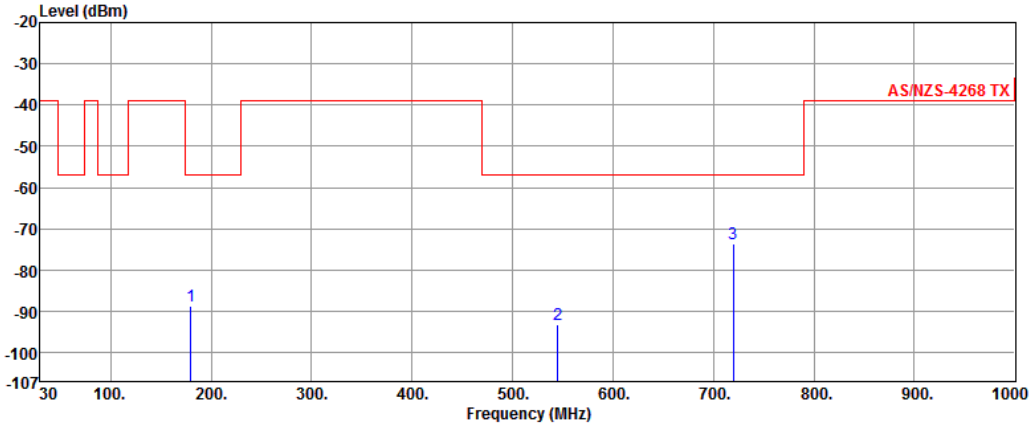
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	189.08	-95.45	-57.01	-38.44	0.00	-95.45
2	537.31	-95.42	-57.01	-38.41	0.00	-95.42
3	728.40	-72.88	-57.01	-15.87	0.00	-72.88

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

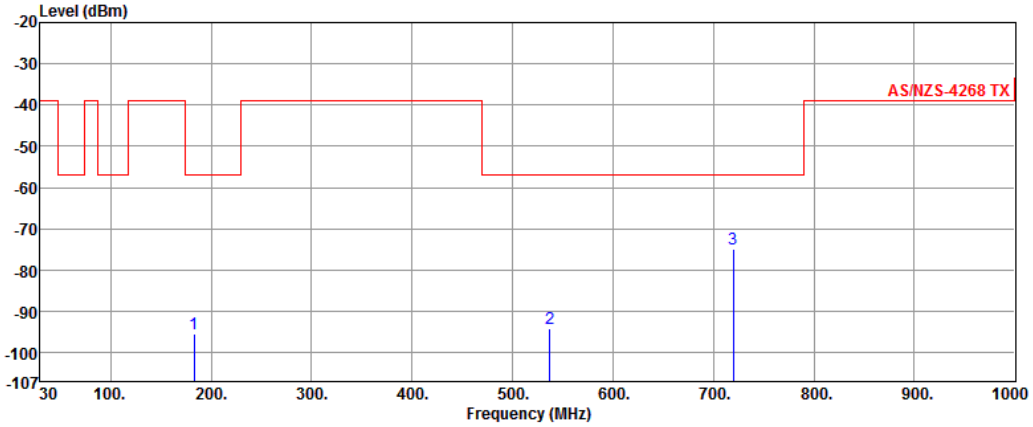
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	179.38	-88.59	-57.01	-31.58	0.00	-88.59
2	545.07	-93.21	-57.01	-36.20	0.00	-93.21
3	719.67	-73.53	-57.01	-16.52	0.00	-73.53

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

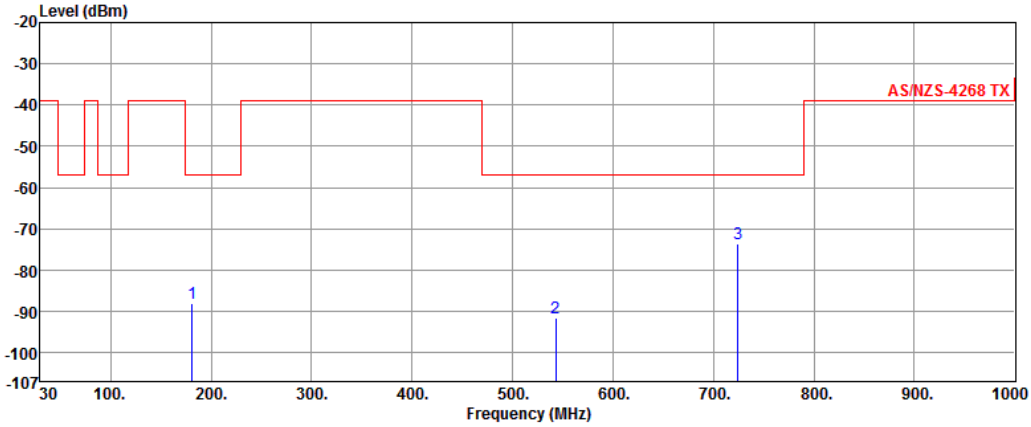
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	183.26	-95.60	-57.01	-38.59	0.00	-95.60
2	537.31	-94.08	-57.01	-37.07	0.00	-94.08
3	719.67	-74.87	-57.01	-17.86	0.00	-74.87

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

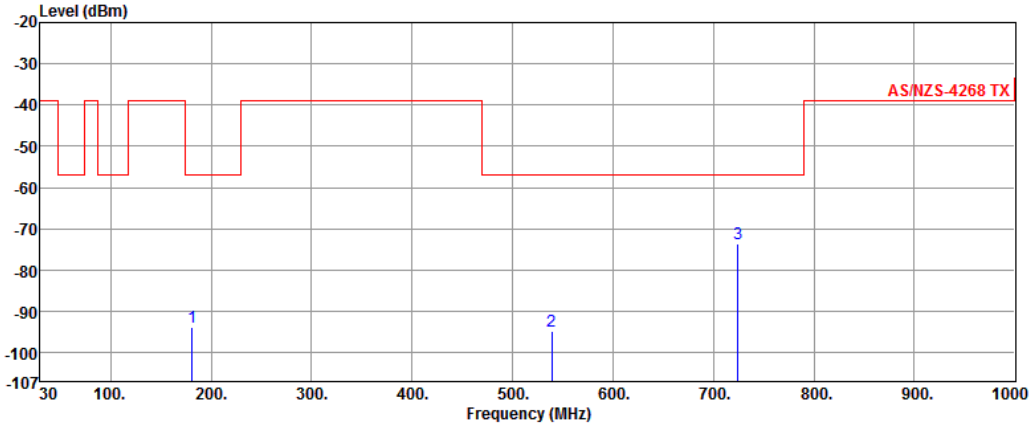
Modulation	VHT40	Test Freq. (MHz)	5795
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	181.32	-88.16	-57.01	-31.15	0.00	-88.16
2	543.13	-91.53	-57.01	-34.52	0.00	-91.53
3	724.52	-73.64	-57.01	-16.63	0.00	-73.64

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

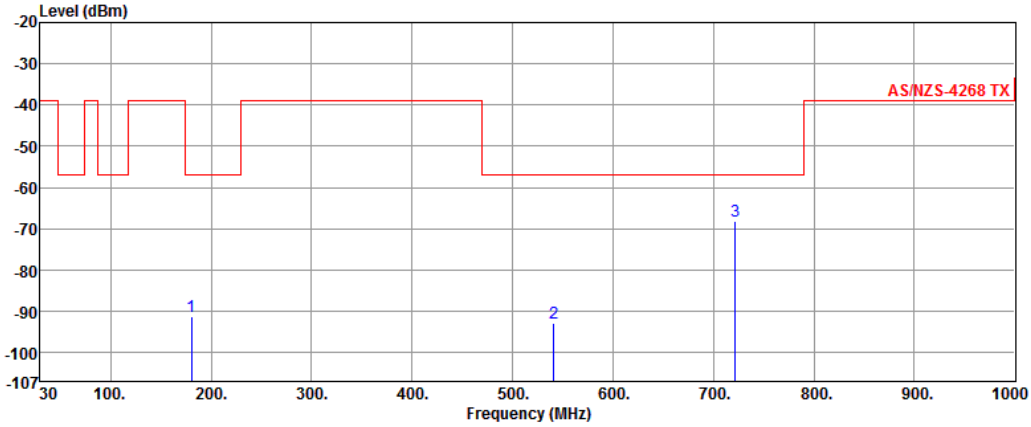
Modulation	VHT40	Test Freq. (MHz)	5795
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	181.32	-94.00	-57.01	-36.99	0.00	-94.00
2	539.25	-94.67	-57.01	-37.66	0.00	-94.67
3	724.52	-73.47	-57.01	-16.46	0.00	-73.47

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

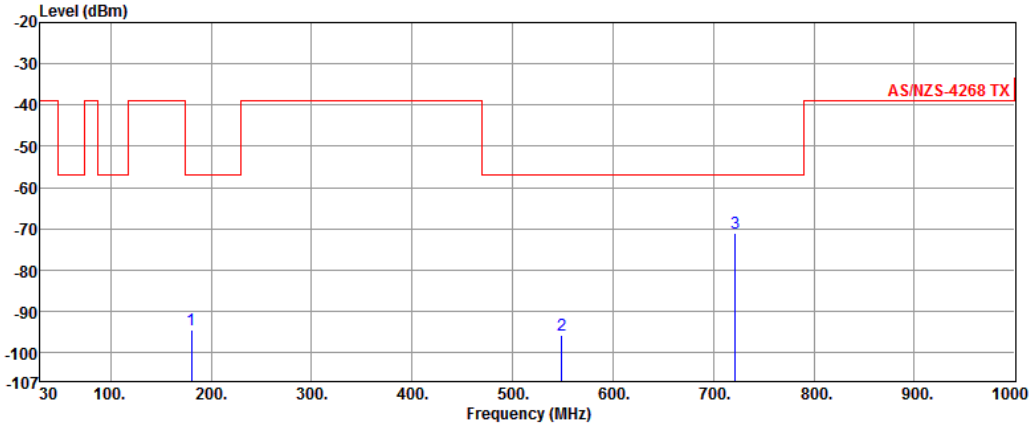
Modulation	VHT80	Test Freq. (MHz)	5755
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	180.35	-91.20	-57.01	-34.19	0.00	-91.20
2	541.19	-92.86	-57.01	-35.85	0.00	-92.86
3	721.61	-68.20	-57.01	-11.19	0.00	-68.20

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

Modulation	VHT80	Test Freq. (MHz)	5755
Antenna Port	1		

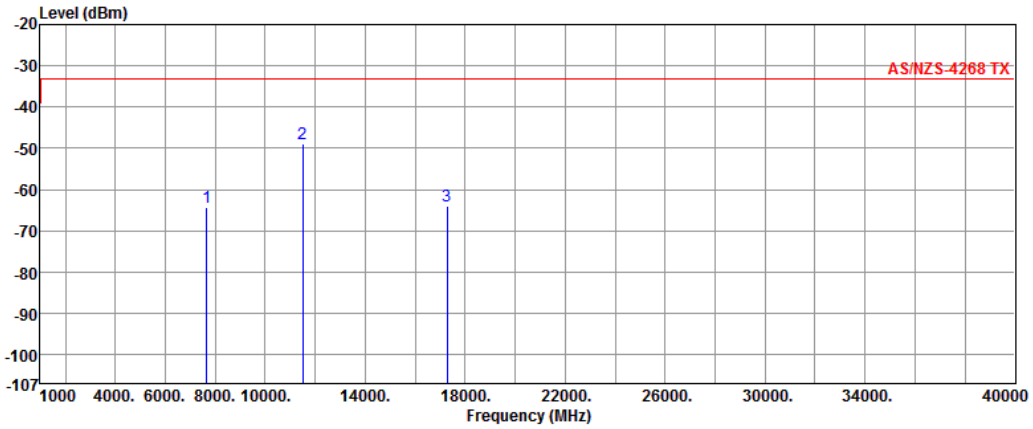


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	180.35	-94.35	-57.01	-37.34	0.00	-94.35
2	548.95	-95.64	-57.01	-38.63	0.00	-95.64
3	721.61	-71.11	-57.01	-14.10	0.00	-71.11

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)

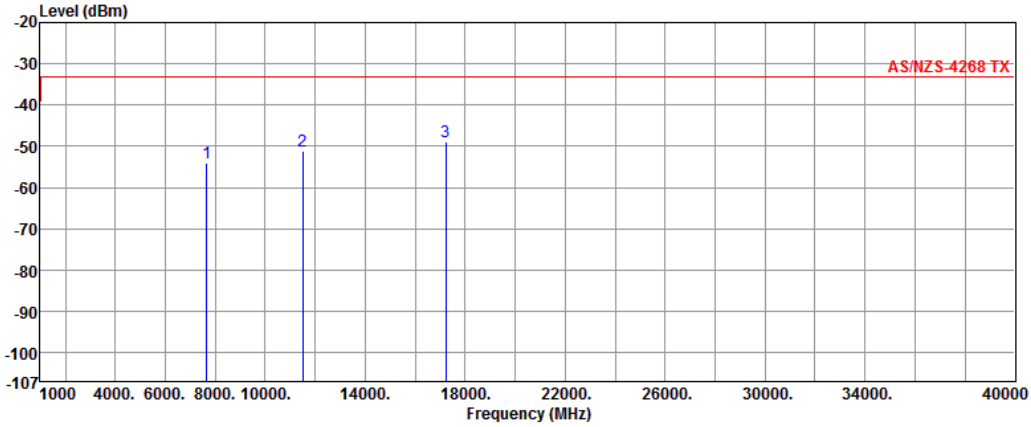
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7657.66	-64.20	-33.01	-31.19	0.00	-64.20
2	11489.20	-48.95	-33.01	-15.94	0.00	-48.95
3	17277.40	-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)

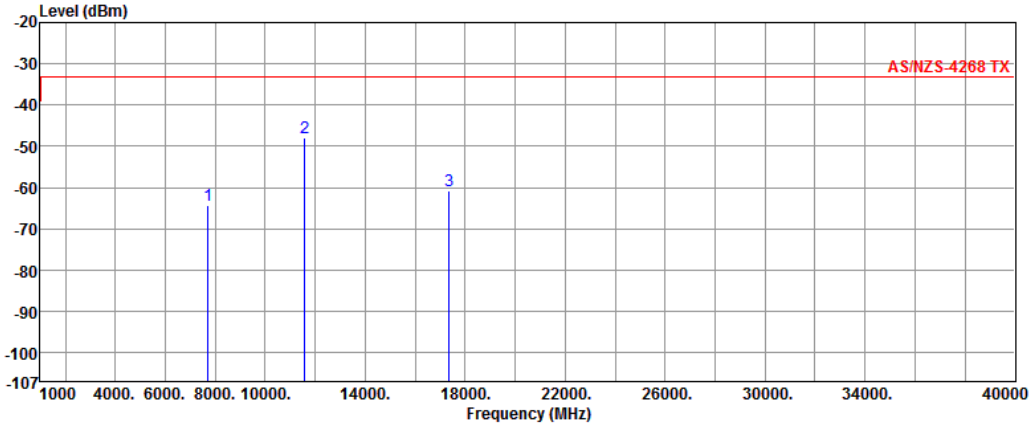
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7660.50	-53.92	-33.01	-20.91	0.00	-53.92
2	11490.10	-51.14	-33.01	-18.13	0.00	-51.14
3	17235.40	-49.00	-33.01	-15.99	0.00	-49.00

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

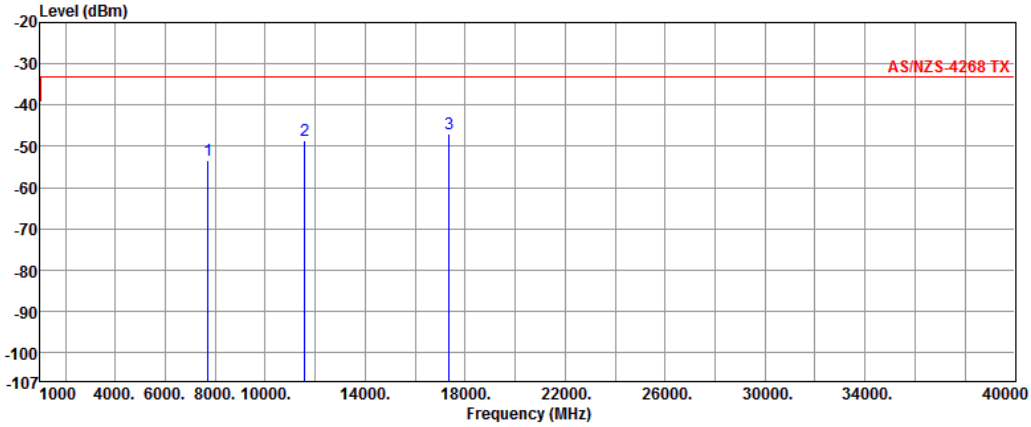
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7713.06	-64.20	-33.01	-31.19	0.00	-64.20
2	11569.30	-47.79	-33.01	-14.78	0.00	-47.79
3	17356.18	-60.62	-33.01	-27.61	0.00	-60.62

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

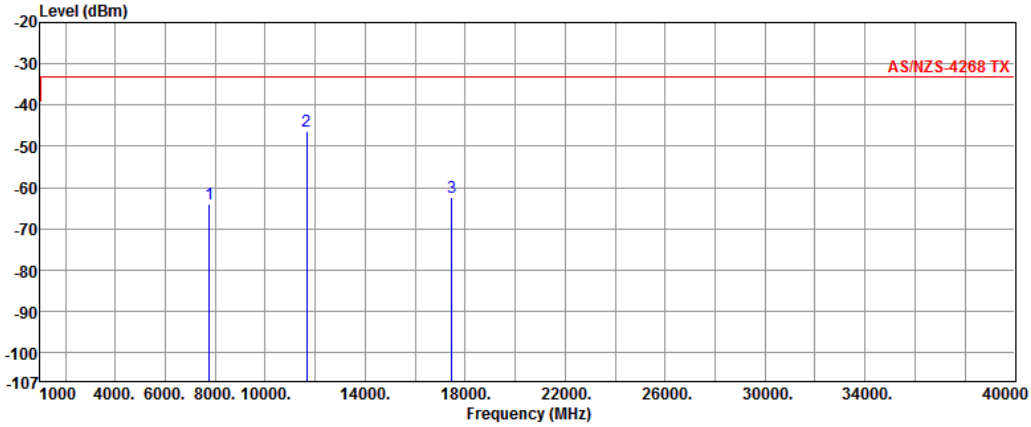
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7713.23	-53.45	-33.01	-20.44	0.00	-53.45
2	11569.65	-48.58	-33.01	-15.57	0.00	-48.58
3	17353.10	-47.12	-33.01	-14.11	0.00	-47.12

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

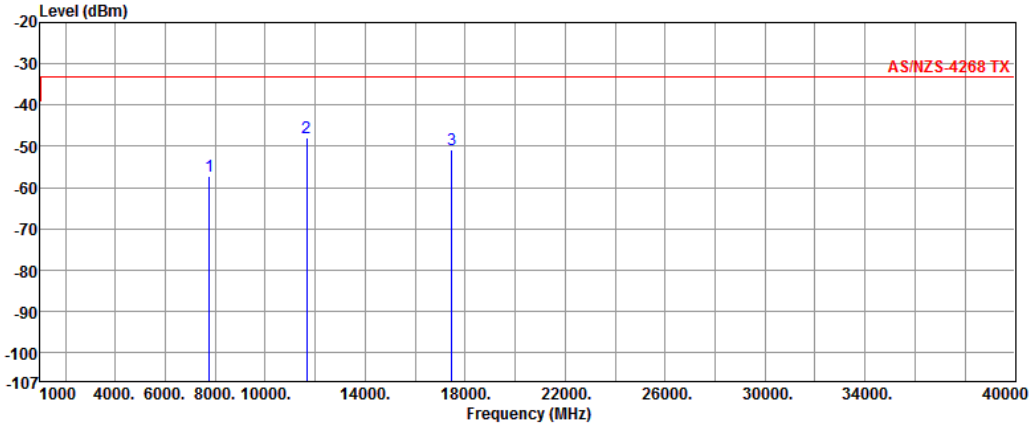
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7766.04	-63.83	-33.01	-30.82	0.00	-63.83
2	11650.90	-46.20	-33.01	-13.19	0.00	-46.20
3	17476.40	-62.31	-33.01	-29.30	0.00	-62.31

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

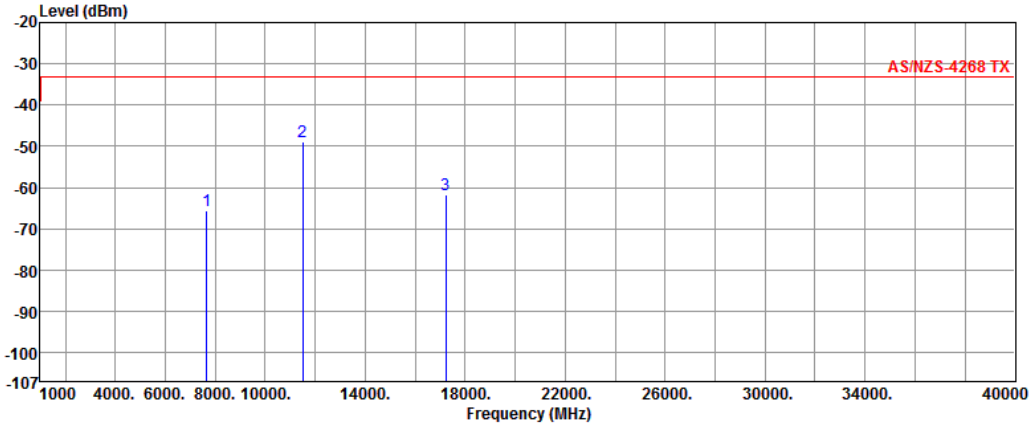
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7766.52	-57.24	-33.01	-24.23	0.00	-57.24
2	11652.00	-47.89	-33.01	-14.88	0.00	-47.89
3	17472.70	-50.67	-33.01	-17.66	0.00	-50.67

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

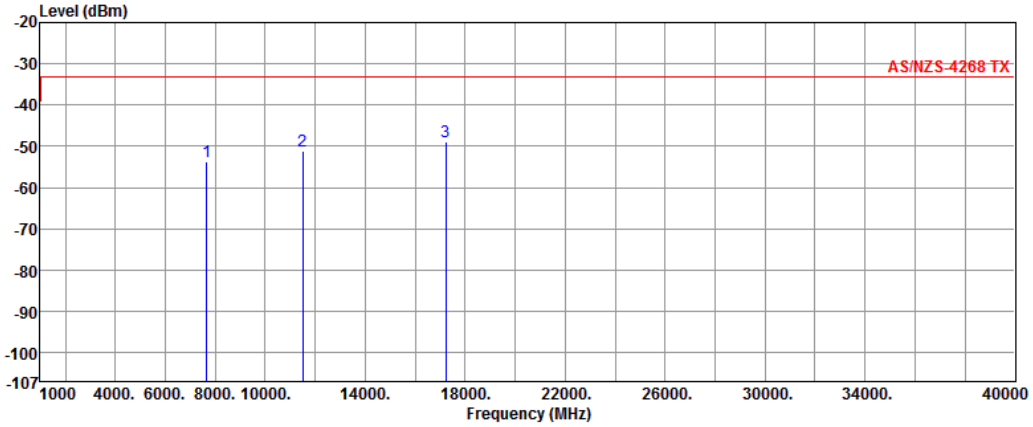
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7659.40	-65.65	-33.01	-32.64	0.00	-65.65
2	11489.10	-48.93	-33.01	-15.92	0.00	-48.93
3	17236.05	-61.75	-33.01	-28.74	0.00	-61.75

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

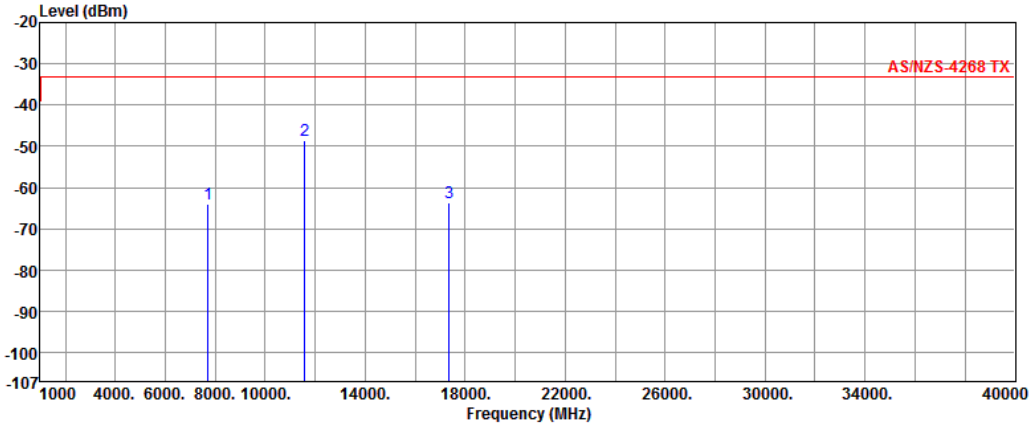
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7658.80	-53.82	-33.01	-20.81	0.00	-53.82
2	11489.15	-51.17	-33.01	-18.16	0.00	-51.17
3	17238.50	-48.89	-33.01	-15.88	0.00	-48.89

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

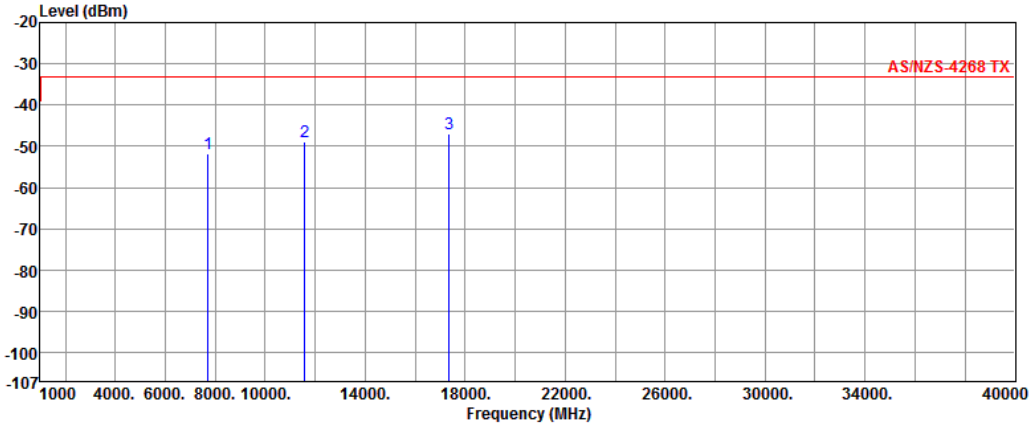
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7714.35	-63.86	-33.01	-30.85	0.00	-63.86
2	11569.80	-48.73	-33.01	-15.72	0.00	-48.73
3	17354.65	-63.60	-33.01	-30.59	0.00	-63.60

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

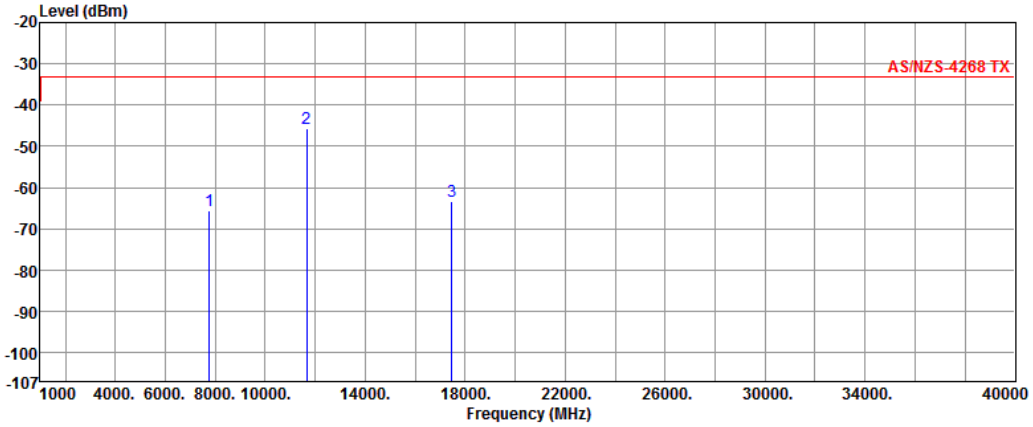
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7713.20	-51.91	-33.01	-18.90	0.00	-51.91
2	11569.88	-48.99	-33.01	-15.98	0.00	-48.99
3	17355.60	-46.84	-33.01	-13.83	0.00	-46.84

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

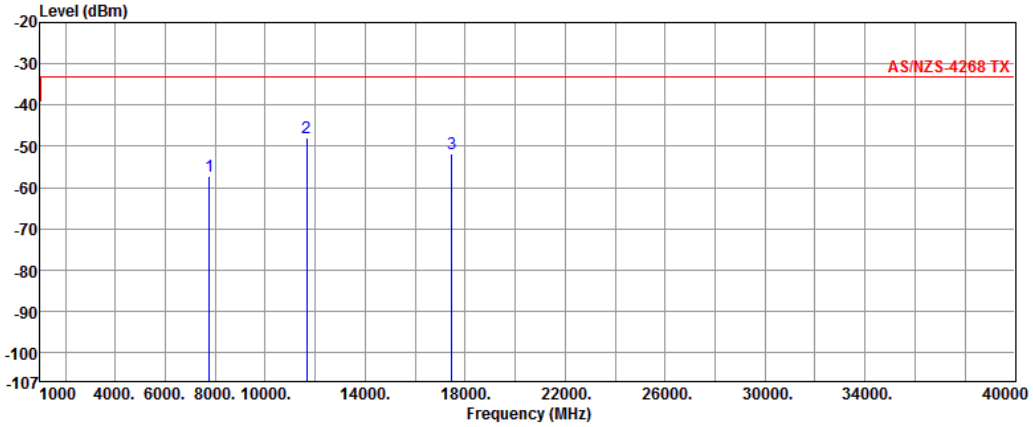
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7766.13	-65.46	-33.01	-32.45	0.00	-65.46
2	11649.65	-45.56	-33.01	-12.55	0.00	-45.56
3	17474.85	-63.41	-33.01	-30.40	0.00	-63.41

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

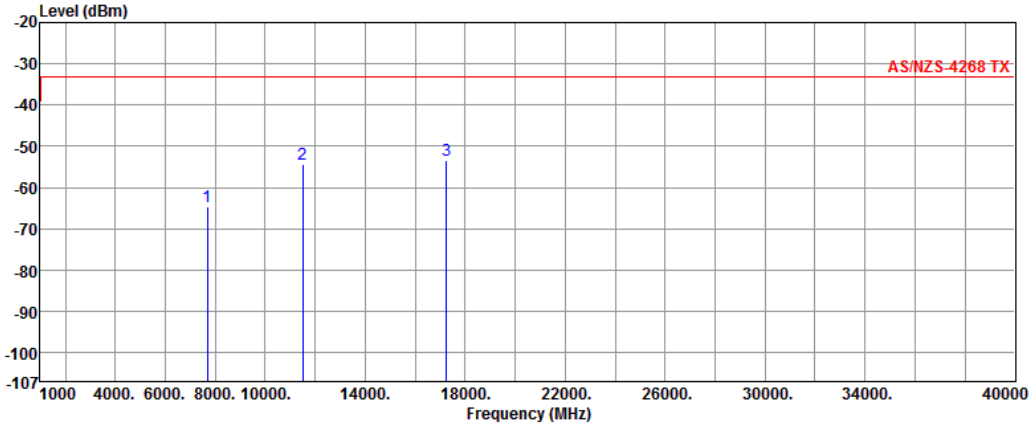
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7765.92	-57.34	-33.01	-24.33	0.00	-57.34
2	11652.32	-47.89	-33.01	-14.88	0.00	-47.89
3	17476.40	-51.68	-33.01	-18.67	0.00	-51.68

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

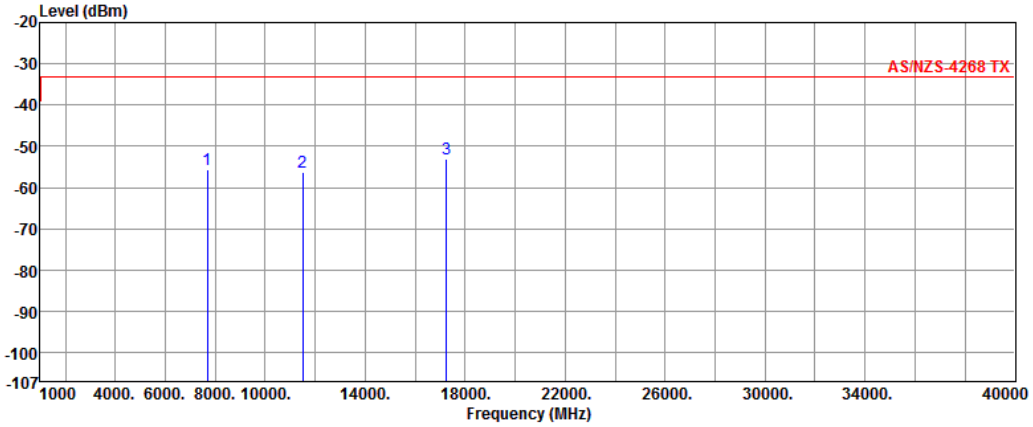
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7672.80	-64.52	-33.01	-31.51	0.00	-64.52
2	11509.90	-54.38	-33.01	-21.37	0.00	-54.38
3	17265.39	-53.34	-33.01	-20.33	0.00	-53.34

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

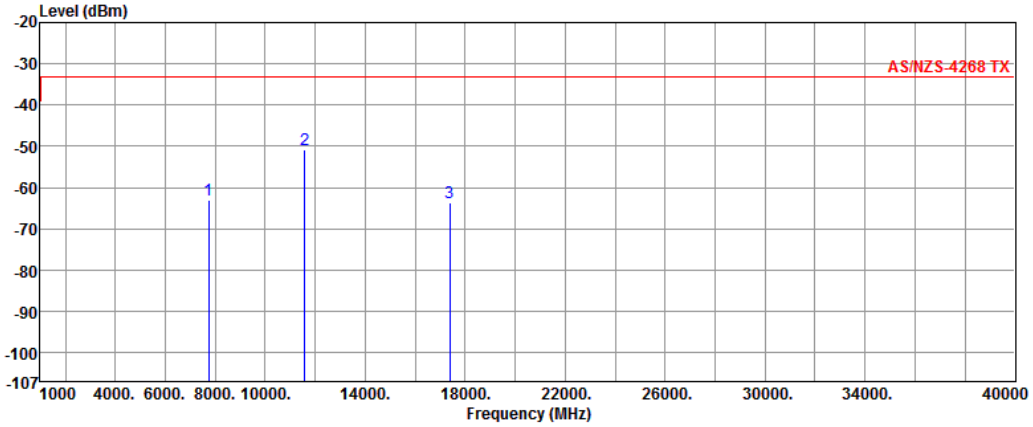
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7672.50	-55.75	-33.01	-22.74	0.00	-55.75
2	11509.10	-56.12	-33.01	-23.11	0.00	-56.12
3	17263.70	-53.14	-33.01	-20.13	0.00	-53.14

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

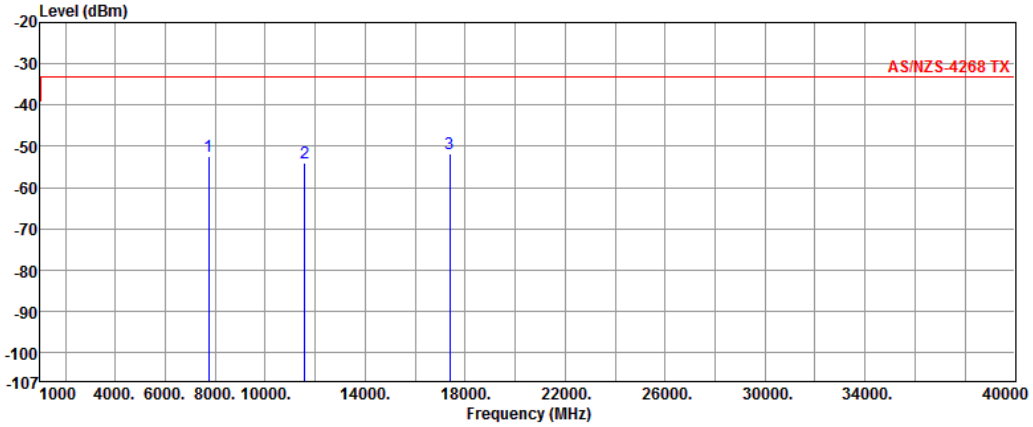
Modulation	VHT40	Test Freq. (MHz)	5795
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7726.40	-62.94	-33.01	-29.93	0.00	-62.94
2	11590.46	-50.93	-33.01	-17.92	0.00	-50.93
3	17385.52	-63.70	-33.01	-30.69	0.00	-63.70

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

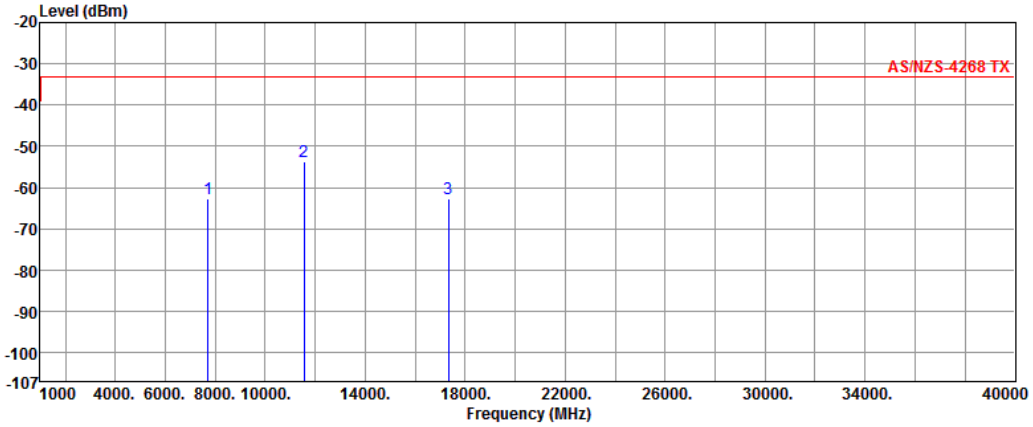
Modulation	VHT40	Test Freq. (MHz)	5795
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7726.66	-52.41	-33.01	-19.40	0.00	-52.41
2	11589.15	-53.95	-33.01	-20.94	0.00	-53.95
3	17385.64	-51.92	-33.01	-18.91	0.00	-51.92

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

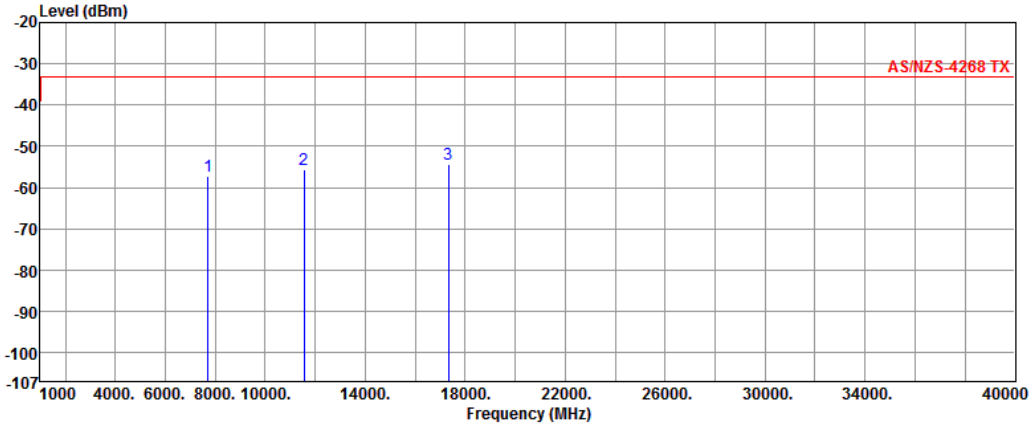
Modulation	VHT80	Test Freq. (MHz)	5775
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7701.14	-62.68	-33.01	-29.67	0.00	-62.68
2	11549.84	-53.85	-33.01	-20.84	0.00	-53.85
3	17325.34	-62.74	-33.01	-29.73	0.00	-62.74

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

Modulation	VHT80	Test Freq. (MHz)	5775
Antenna Port	1		

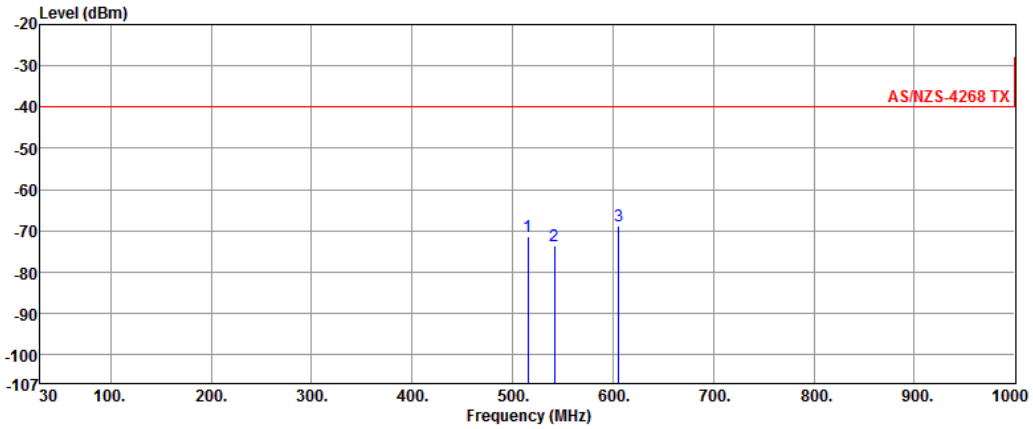


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	7699.82	-57.10	-33.01	-24.09	0.00	-57.10
2	11550.06	-55.52	-33.01	-22.51	0.00	-55.52
3	17321.00	-54.44	-33.01	-21.43	0.00	-54.44

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

3.5.7 Transmitter Radiated Unwanted Emissions (Below 1GHz)

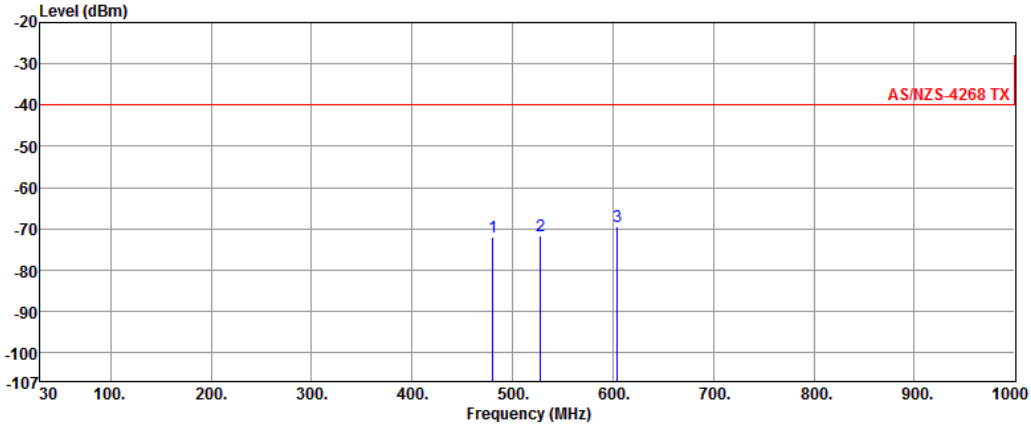
Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.31	-71.26	-54.00	-17.26	2.91	-74.17
2	541.99	-73.56	-54.00	-19.56	3.17	-76.73
3	605.63	-68.71	-54.00	-14.71	8.43	-77.14

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

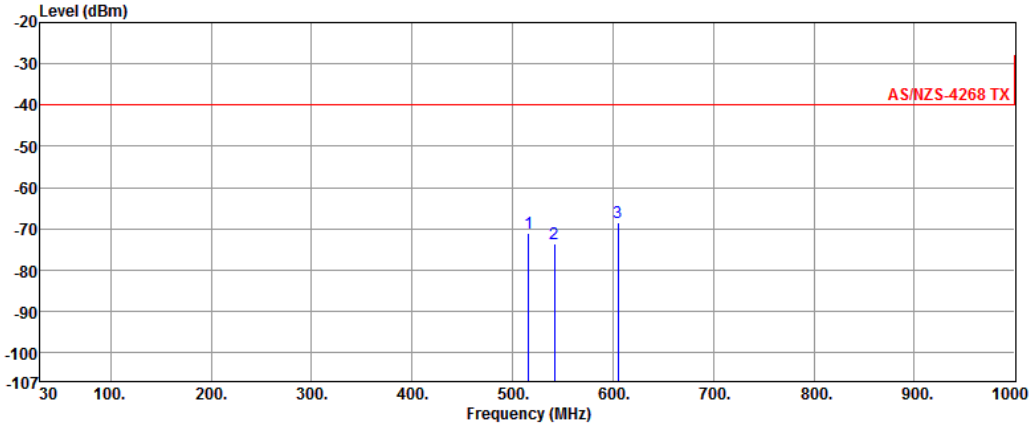
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.12	-71.93	-54.00	-17.93	2.24	-74.17
2	527.95	-71.62	-54.00	-17.62	3.23	-74.85
3	604.31	-69.51	-54.00	-15.51	5.61	-75.12

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

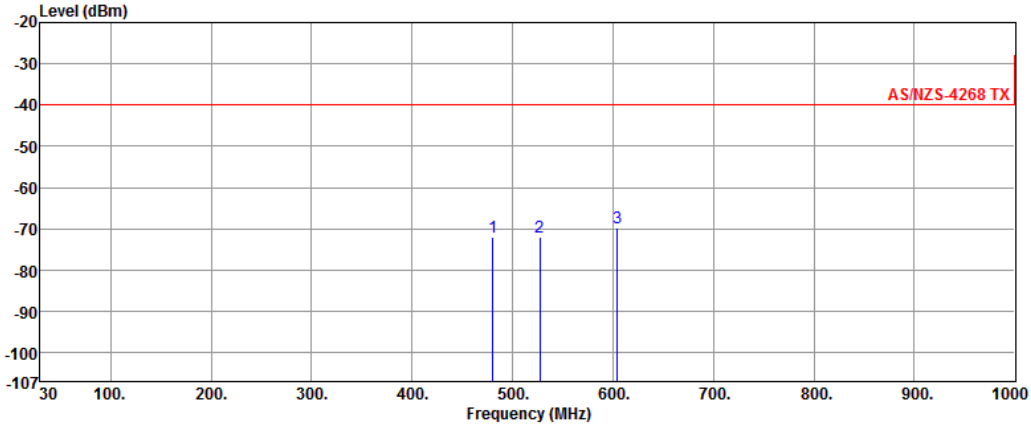
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.77	-71.11	-54.00	-17.11	2.93	-74.04
2	541.67	-73.62	-54.00	-19.62	3.16	-76.78
3	605.10	-68.56	-54.00	-14.56	8.75	-77.31

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

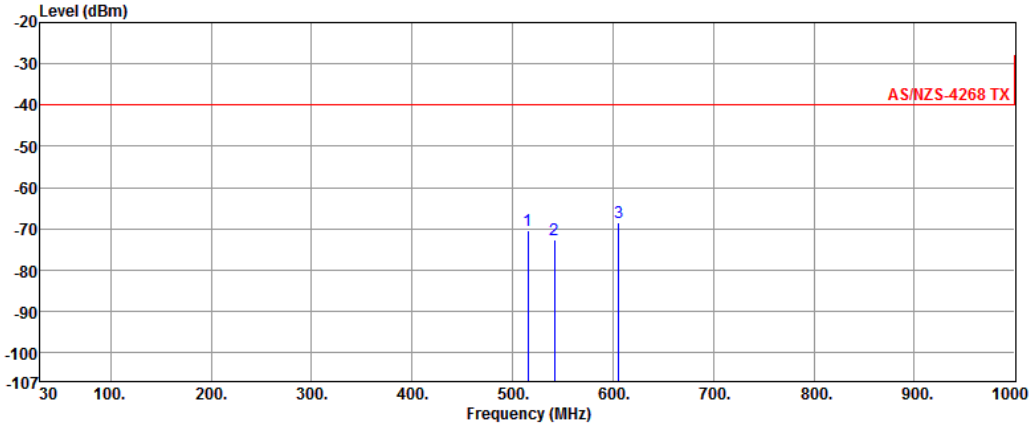
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.31	-71.97	-54.00	-17.97	2.24	-74.21
2	527.35	-71.96	-54.00	-17.96	3.21	-75.17
3	604.51	-69.71	-54.00	-15.71	5.62	-75.33

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

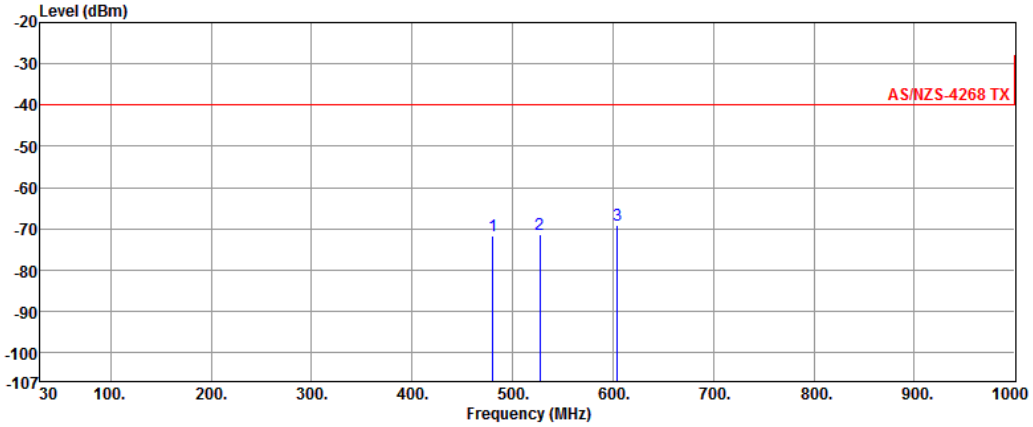
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.58	-70.54	-54.00	-16.54	2.92	-73.46
2	541.71	-72.63	-54.00	-18.63	3.17	-75.80
3	605.37	-68.41	-54.00	-14.41	8.59	-77.00

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

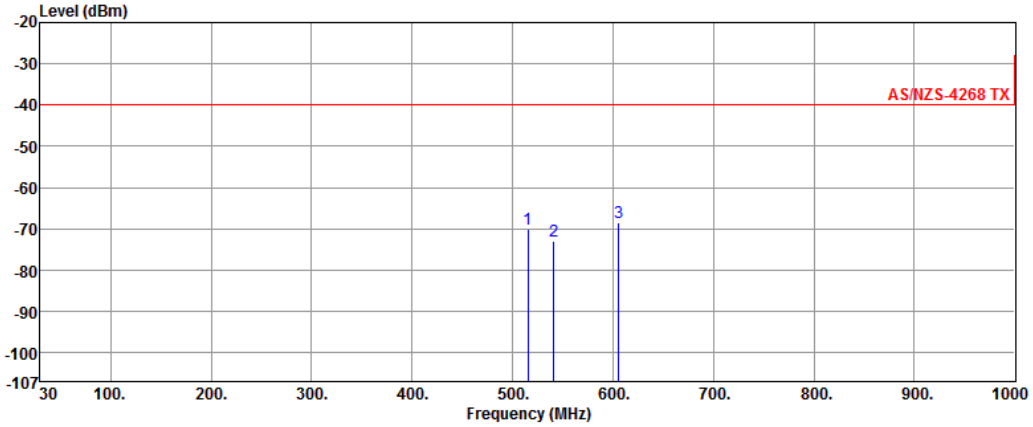
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.65	-71.60	-54.00	-17.60	2.24	-73.84
2	527.17	-71.41	-54.00	-17.41	3.21	-74.62
3	604.62	-69.18	-54.00	-15.18	5.62	-74.80

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

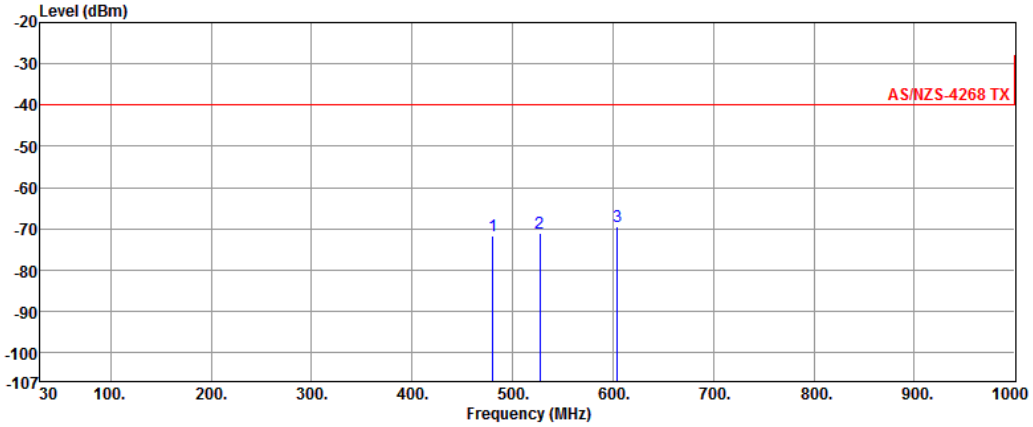
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.41	-70.09	-54.00	-16.09	2.92	-73.01
2	541.11	-72.95	-54.00	-18.95	3.16	-76.11
3	605.65	-68.48	-54.00	-14.48	8.42	-76.90

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

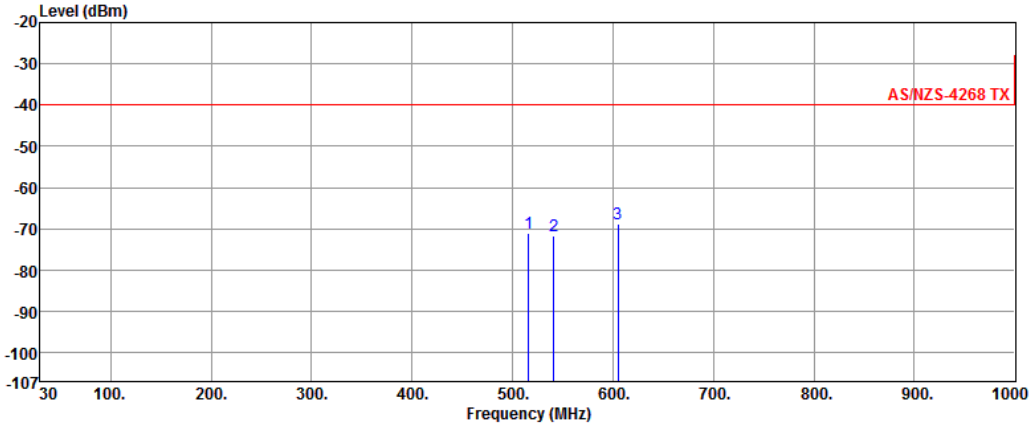
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.45	-71.81	-54.00	-17.81	2.24	-74.05
2	527.43	-71.06	-54.00	-17.06	3.21	-74.27
3	604.11	-69.56	-54.00	-15.56	5.59	-75.15

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

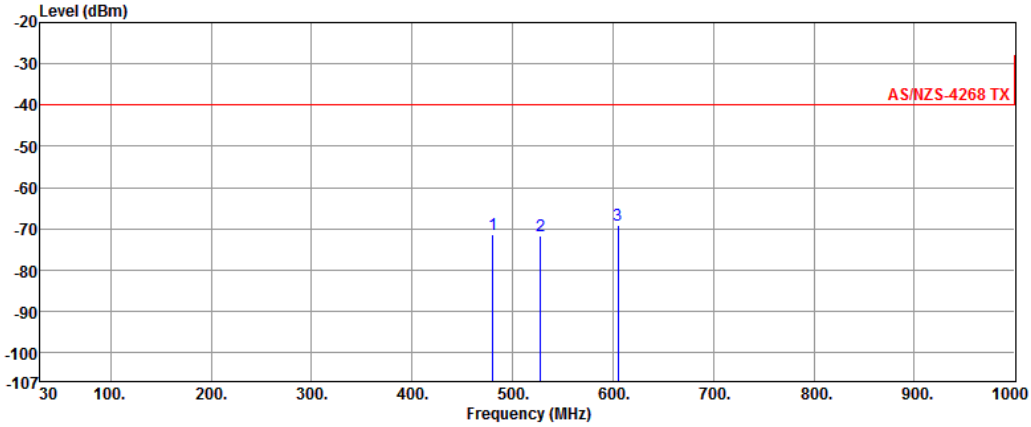
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.72	-71.02	-54.00	-17.02	2.93	-73.95
2	541.34	-71.57	-54.00	-17.57	3.16	-74.73
3	605.21	-68.77	-54.00	-14.77	8.69	-77.46

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

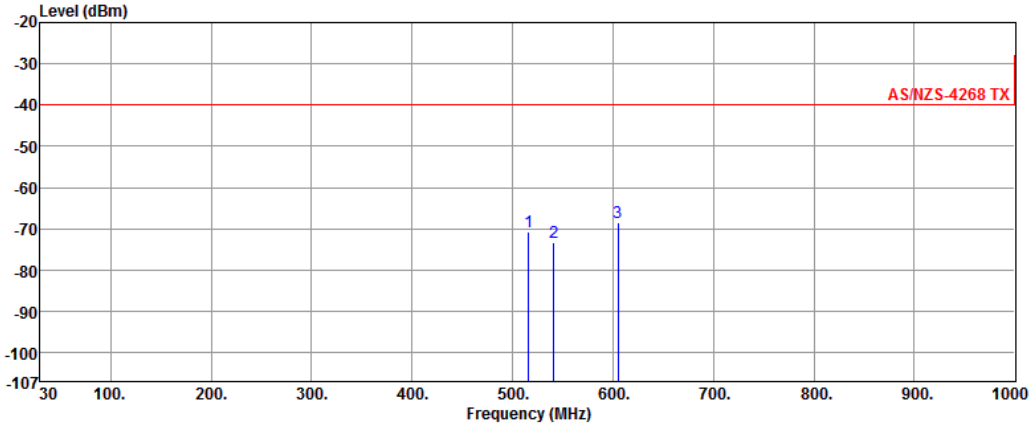
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.21	-71.41	-54.00	-17.41	2.24	-73.65
2	527.69	-71.56	-54.00	-17.56	3.22	-74.78
3	604.76	-69.18	-54.00	-15.18	5.63	-74.81

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

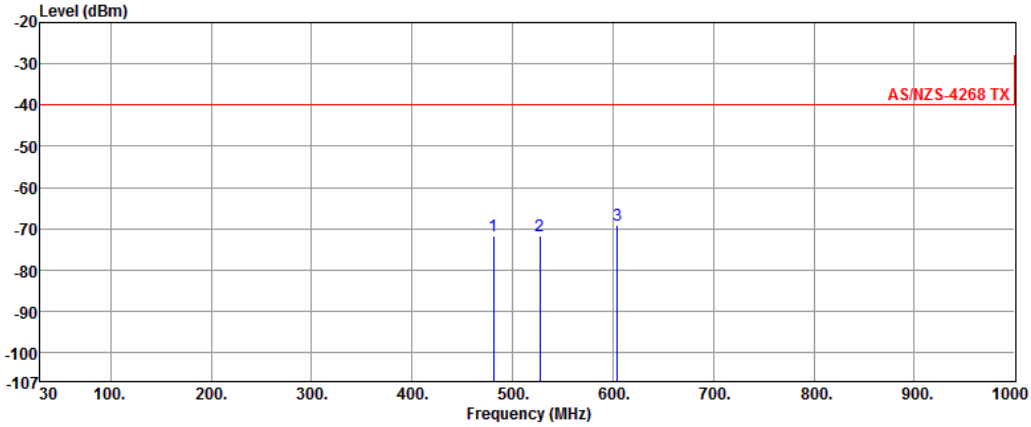
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.72	-70.86	-54.00	-16.86	2.93	-73.79
2	541.34	-73.37	-54.00	-19.37	3.16	-76.53
3	605.22	-68.55	-54.00	-14.55	8.68	-77.23

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

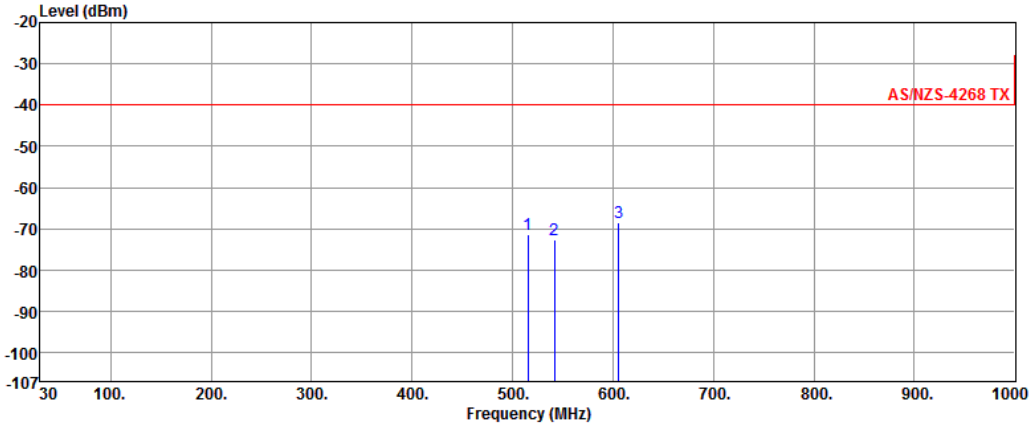
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.82	-71.57	-54.00	-17.57	2.25	-73.82
2	527.44	-71.68	-54.00	-17.68	3.21	-74.89
3	604.40	-69.02	-54.00	-15.02	5.61	-74.63

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

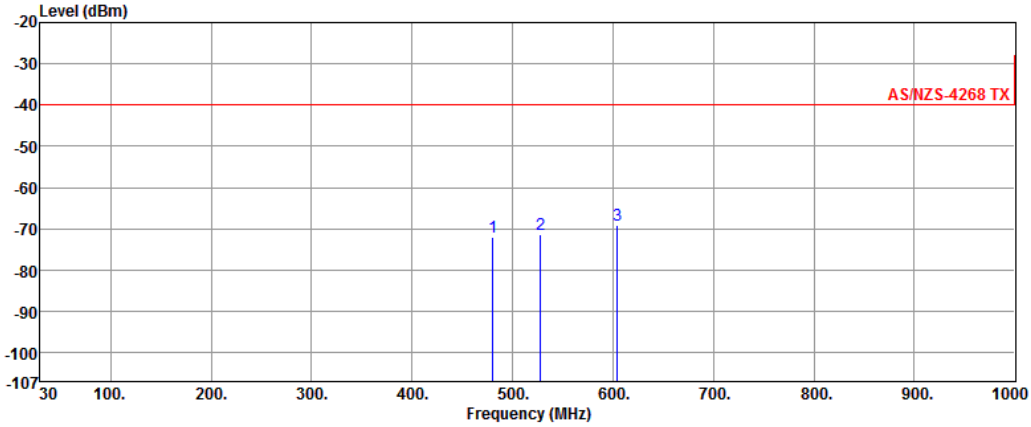
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.43	-71.21	-54.00	-17.21	2.92	-74.13
2	541.38	-72.63	-54.00	-18.63	3.16	-75.79
3	605.65	-68.42	-54.00	-14.42	8.42	-76.84

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

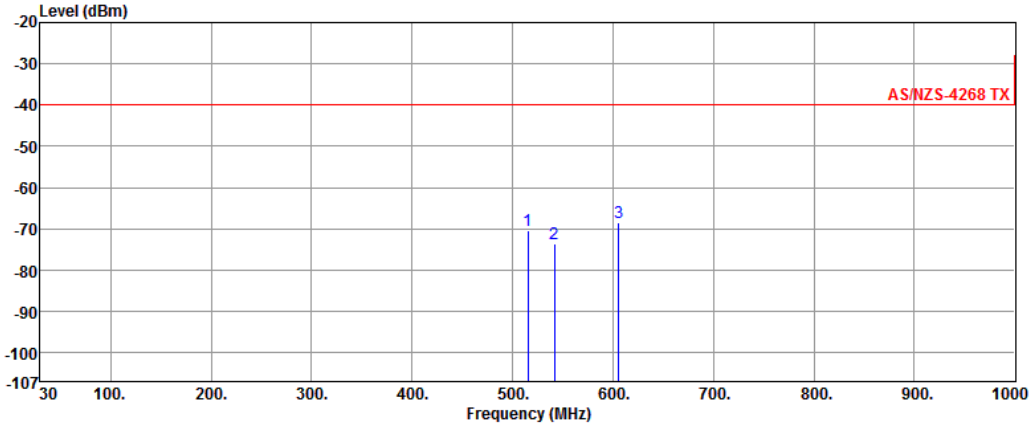
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.62	-72.12	-54.00	-18.12	2.24	-74.36
2	527.81	-71.22	-54.00	-17.22	3.22	-74.44
3	604.57	-69.22	-54.00	-15.22	5.62	-74.84

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

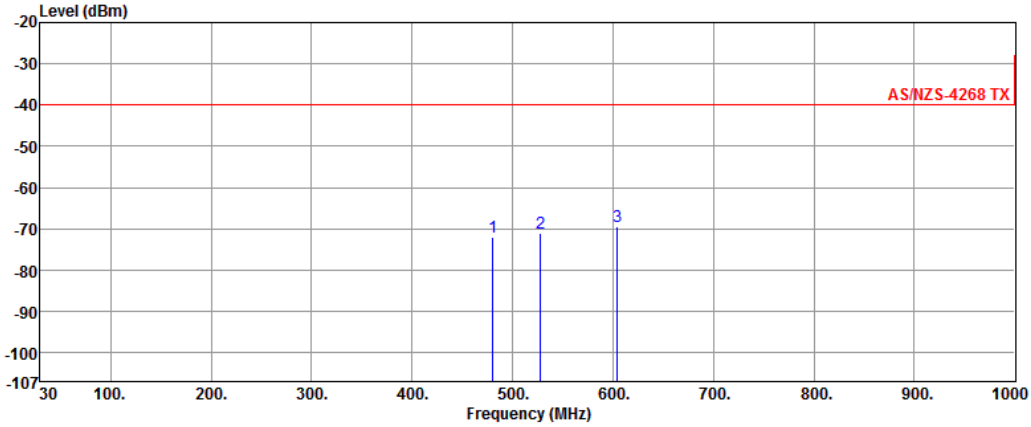
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.31	-70.35	-54.00	-16.35	2.91	-73.26
2	541.88	-73.65	-54.00	-19.65	3.17	-76.82
3	605.67	-68.51	-54.00	-14.51	8.40	-76.91

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

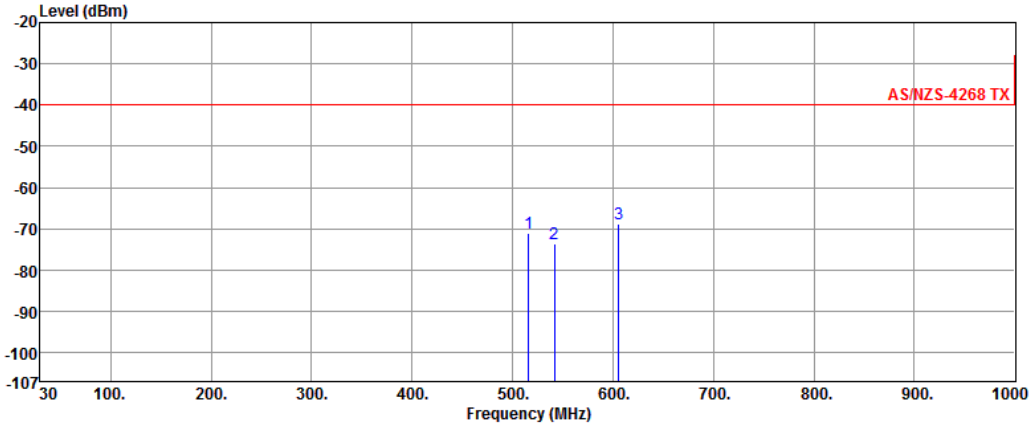
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.71	-71.93	-54.00	-17.93	2.24	-74.17
2	527.69	-71.13	-54.00	-17.13	3.22	-74.35
3	604.35	-69.42	-54.00	-15.42	5.61	-75.03

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

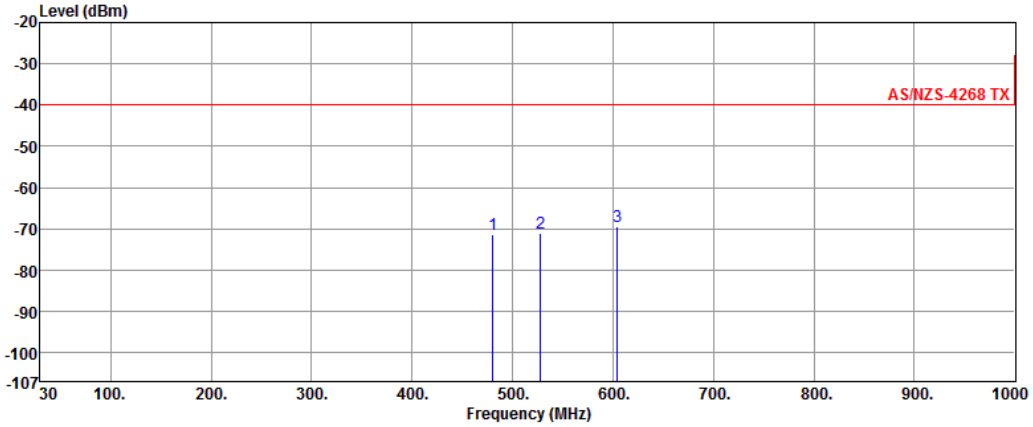
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	515.68	-71.00	-54.00	-17.00	2.93	-73.93
2	541.39	-73.69	-54.00	-19.69	3.16	-76.85
3	605.57	-68.81	-54.00	-14.81	8.46	-77.27

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		

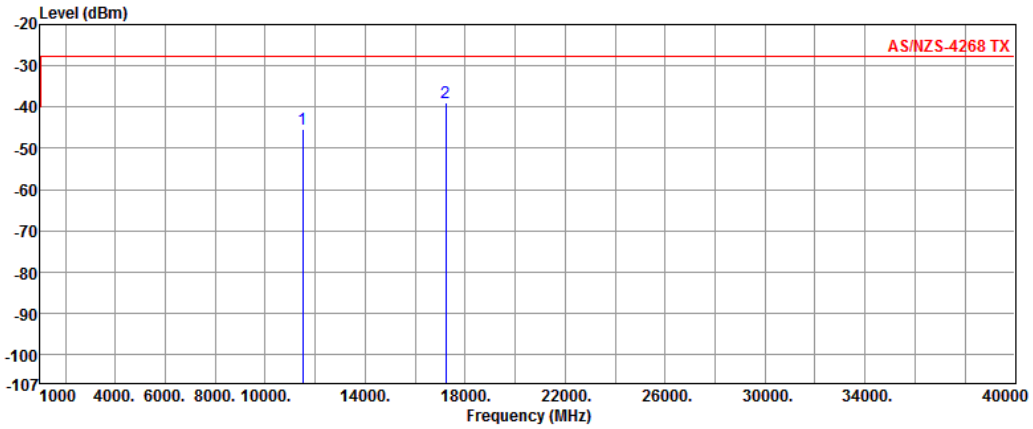


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	480.21	-71.34	-54.00	-17.34	2.24	-73.58
2	527.95	-71.17	-54.00	-17.17	3.23	-74.40
3	604.63	-69.42	-54.00	-15.42	5.62	-75.04

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

3.5.8 Transmitter Radiated Unwanted Emissions (Above 1GHz)

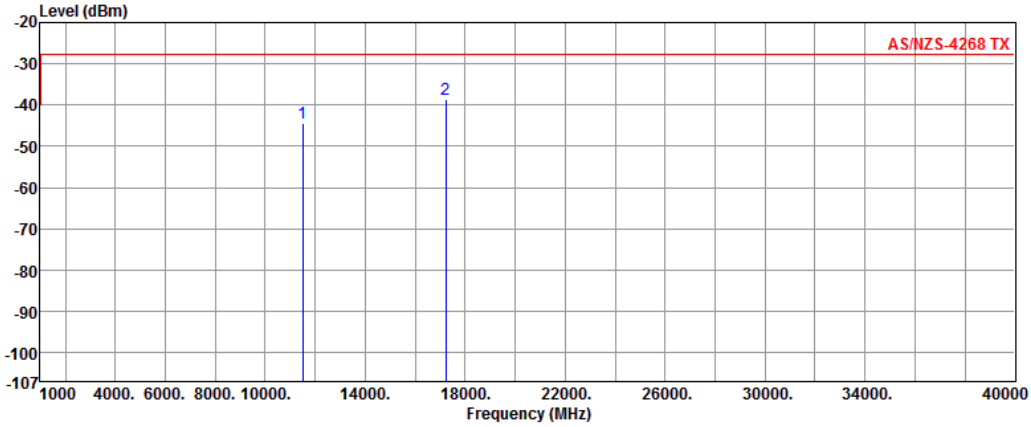
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11492.90	-45.28	-30.00	-15.28	19.01	-64.29
2	17232.10	-38.96	-30.00	-8.96	24.57	-63.53

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

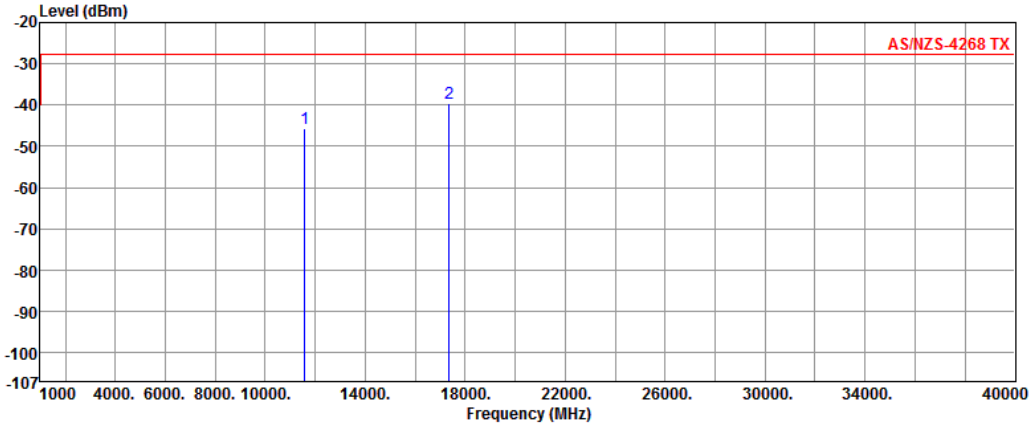
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11491.10	-44.43	-30.00	-14.43	19.89	-64.32
2	17238.20	-38.71	-30.00	-8.71	24.46	-63.17

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

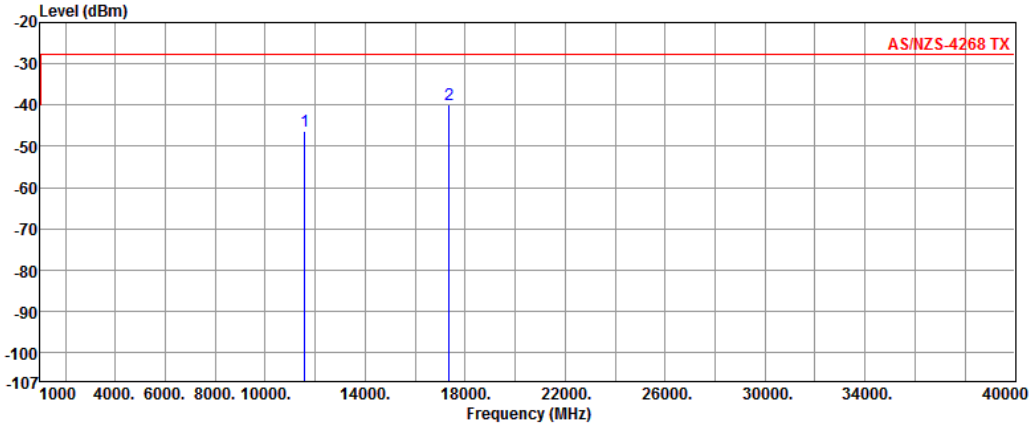
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11570.28	-45.77	-30.00	-15.77	18.76	-64.53
2	17355.21	-39.49	-30.00	-9.49	26.08	-65.57

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

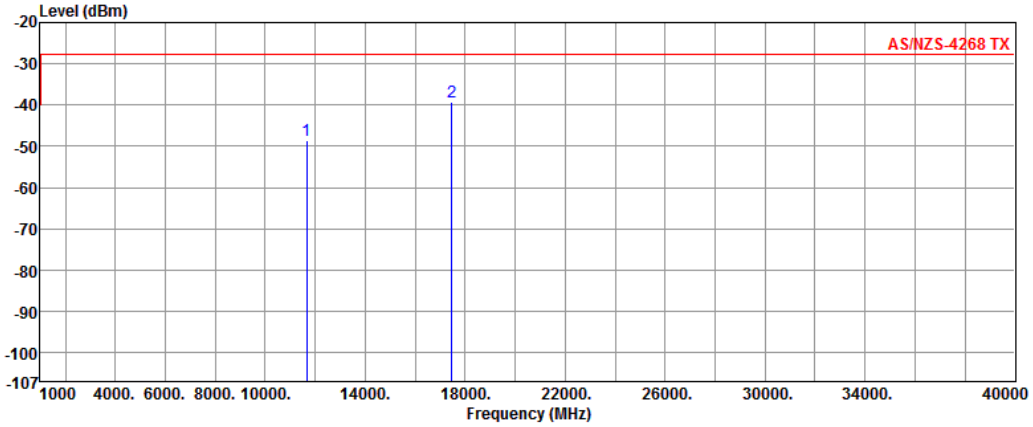
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11566.80	-46.18	-30.00	-16.18	19.64	-65.82
2	17355.23	-39.77	-30.00	-9.77	25.66	-65.43

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

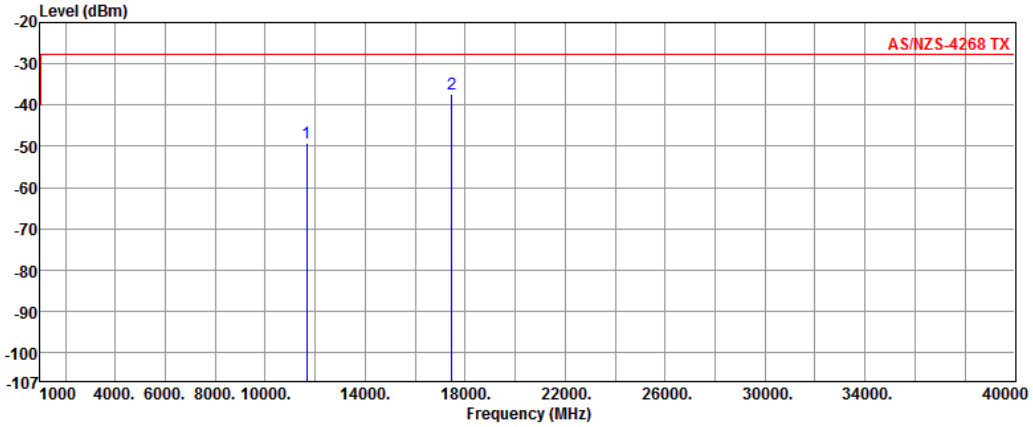
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11650.24	-48.50	-30.00	-18.50	18.41	-66.91
2	17474.91	-39.42	-30.00	-9.42	27.59	-67.01

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

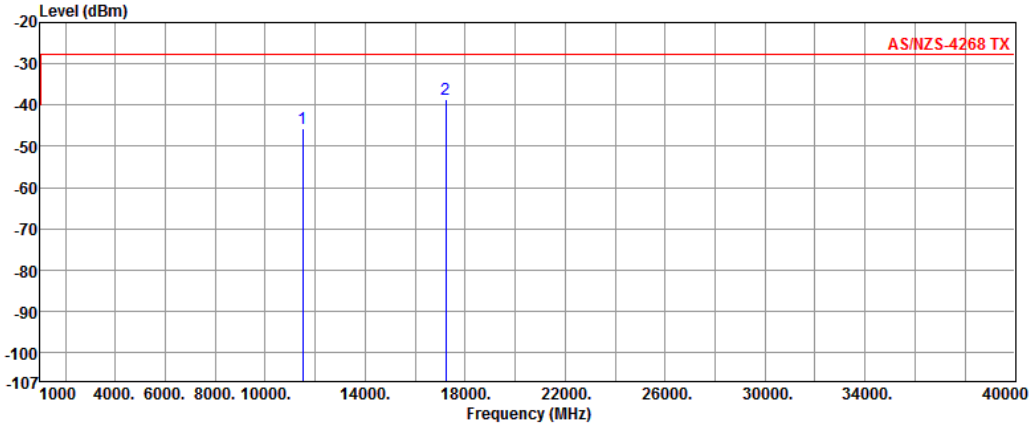
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11649.84	-49.36	-30.00	-19.36	19.14	-68.50
2	17475.11	-37.41	-30.00	-7.41	27.33	-64.74

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

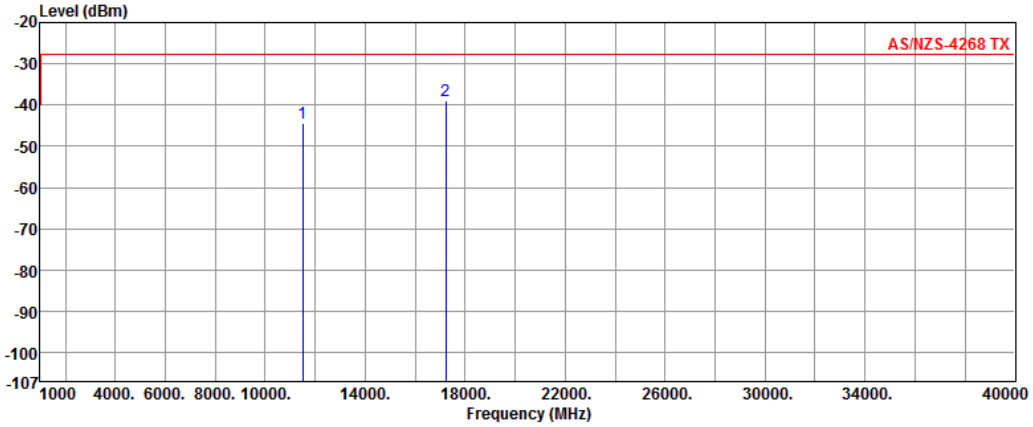
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11492.61	-45.77	-30.00	-15.77	19.01	-64.78
2	17232.67	-38.71	-30.00	-8.71	24.58	-63.29

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

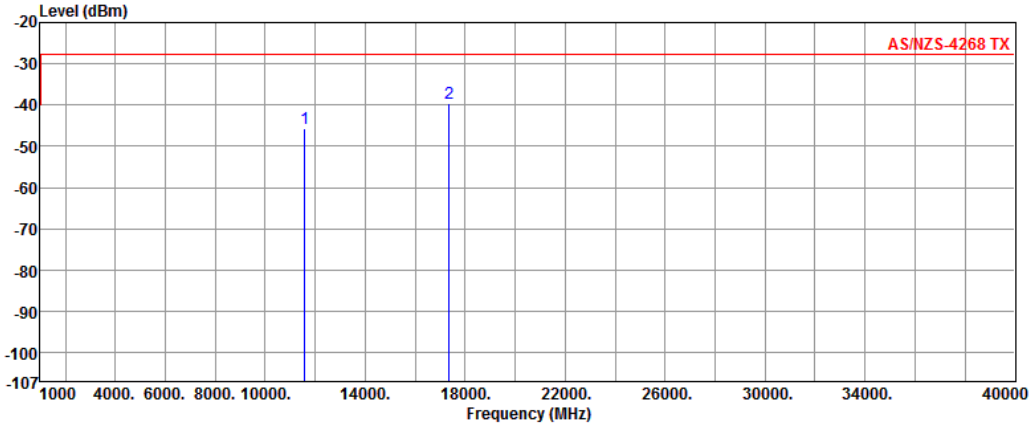
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11491.65	-44.47	-30.00	-14.47	19.89	-64.36
2	17238.78	-38.92	-30.00	-8.92	24.46	-63.38

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

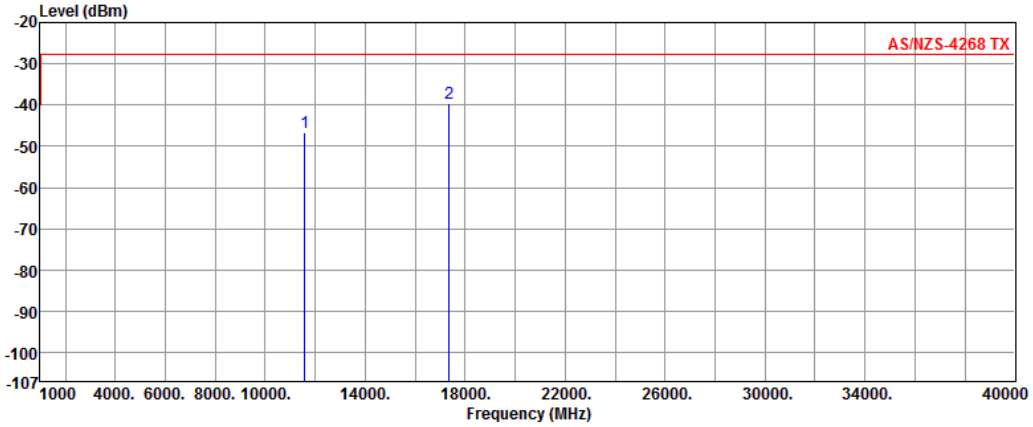
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11570.66	-45.71	-30.00	-15.71	18.76	-64.47
2	17355.67	-39.71	-30.00	-9.71	26.09	-65.80

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

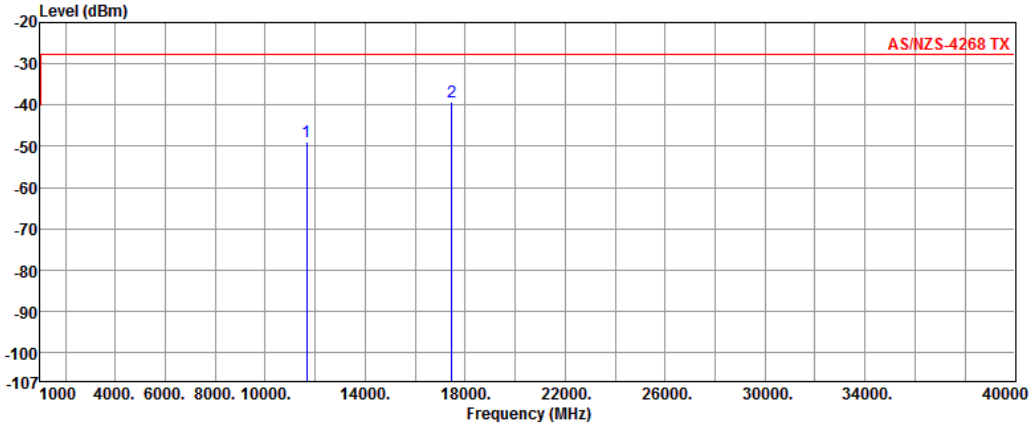
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11566.51	-46.62	-30.00	-16.62	19.64	-66.26
2	17355.34	-39.72	-30.00	-9.72	25.67	-65.39

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

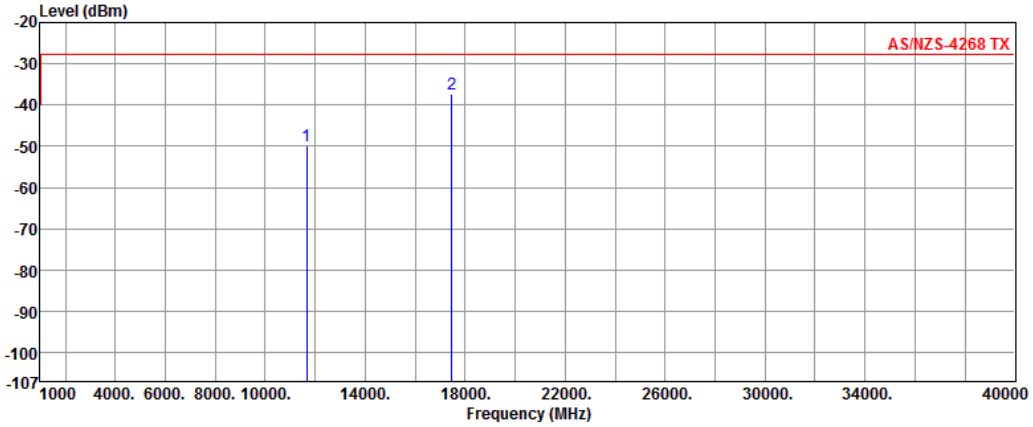
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11650.66	-48.87	-30.00	-18.87	18.41	-67.28
2	17474.67	-39.16	-30.00	-9.16	27.59	-66.75

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

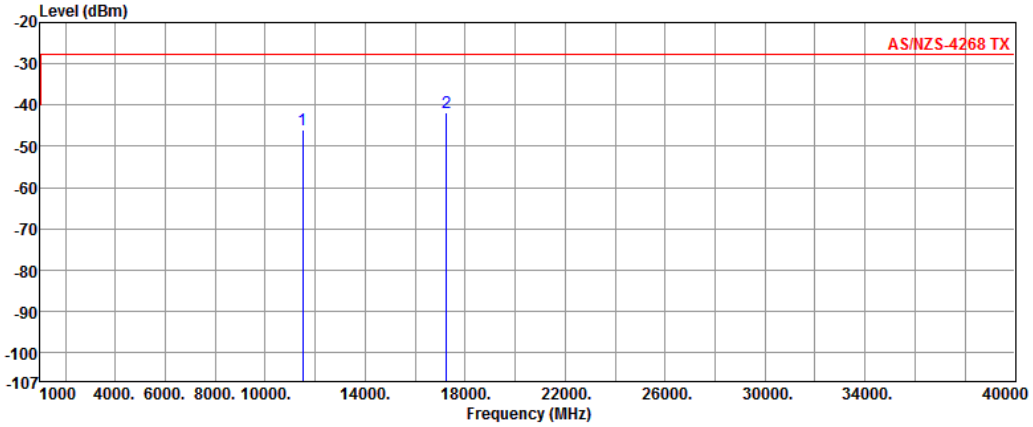
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11649.34	-49.71	-30.00	-19.71	19.14	-68.85
2	17475.67	-37.18	-30.00	-7.18	27.34	-64.52

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

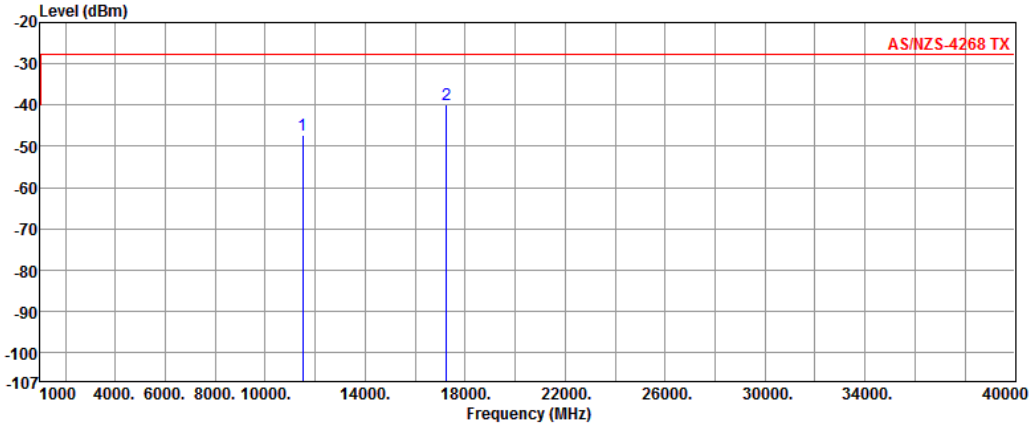
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11510.93	-46.04	-30.00	-16.04	18.95	-64.99
2	17264.70	-41.68	-30.00	-11.68	24.90	-66.58

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

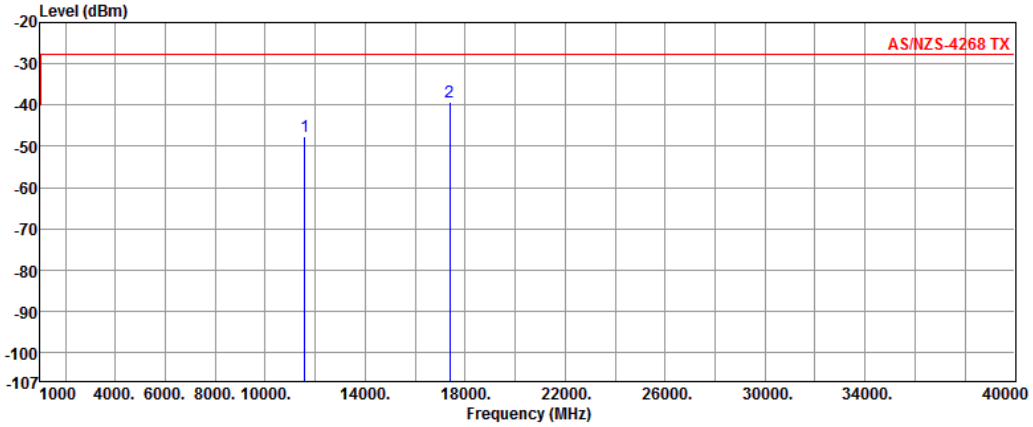
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11510.17	-47.31	-30.00	-17.31	19.84	-67.15
2	17264.79	-39.85	-30.00	-9.85	24.68	-64.53

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

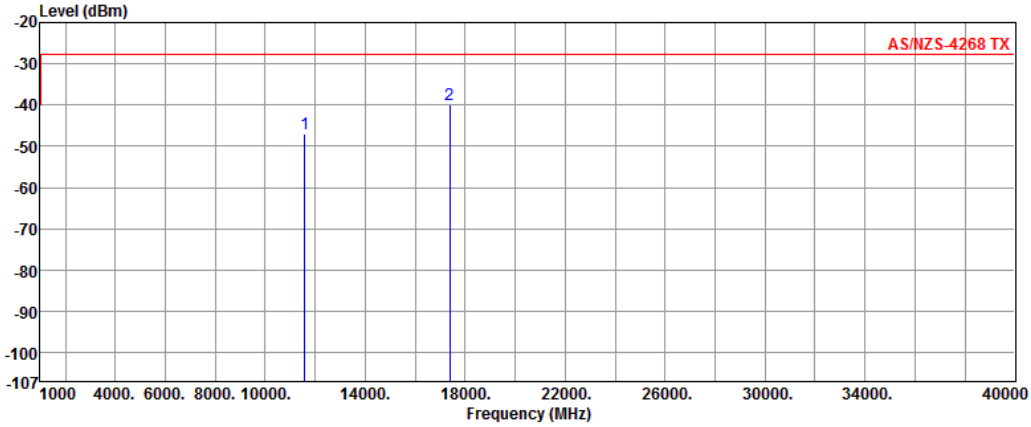
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11589.74	-47.68	-30.00	-17.68	18.70	-66.38
2	17384.80	-39.24	-30.00	-9.24	26.53	-65.77

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

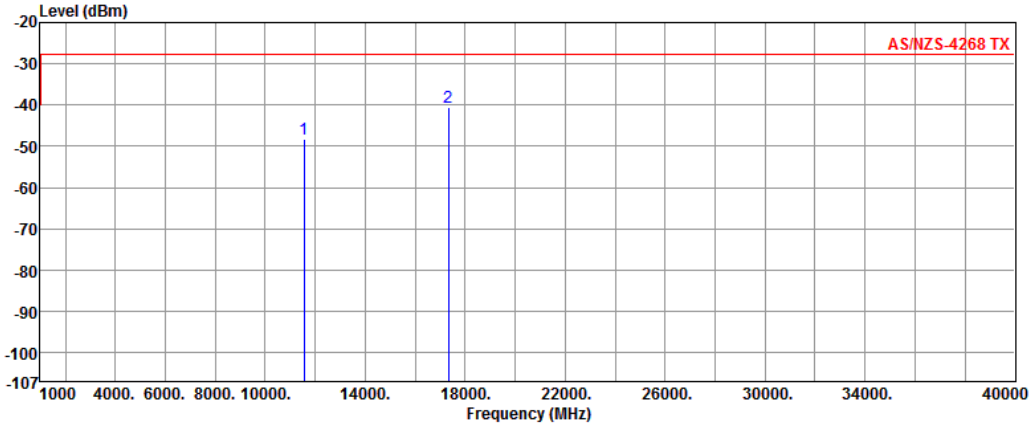
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11589.63	-46.83	-30.00	-16.83	19.55	-66.38
2	17385.34	-39.85	-30.00	-9.85	26.04	-65.89

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

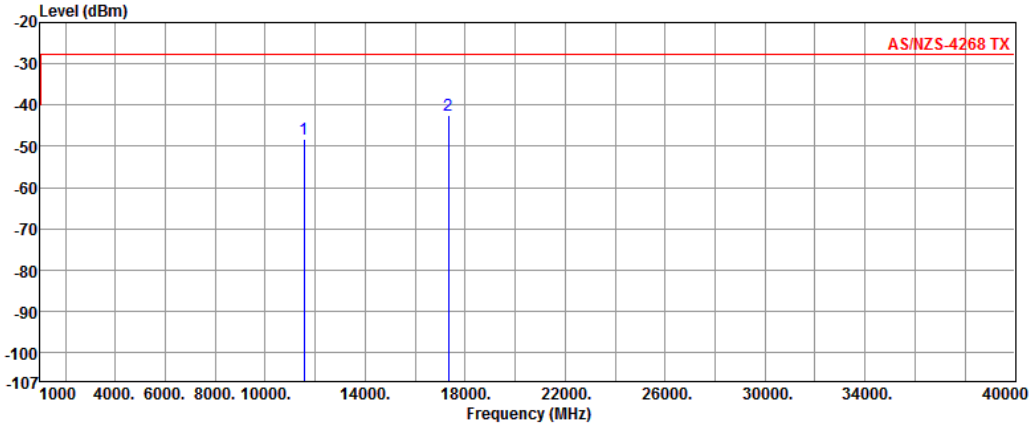
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	11549.77	-48.10	-30.00	-18.10	18.83	-66.93
2	17324.85	-40.70	-30.00	-10.70	25.63	-66.33

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	11550.11	-48.35	-30.00	-18.35	19.69	-68.04
2	17325.51	-42.38	-30.00	-12.38	25.29	-67.67

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

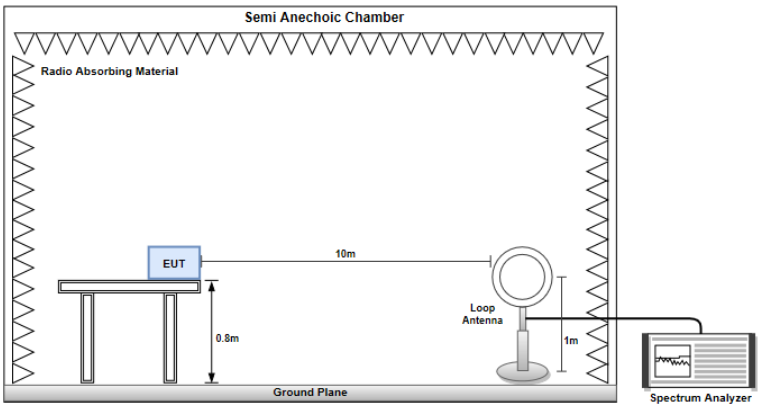
Conducted Emission Limit	
Frequency Range	**Limit**
25 MHz to 1 GHz	-60.01 dBm
Above 1 GHz	-50.01 dBm

4.1.2 Test Procedures

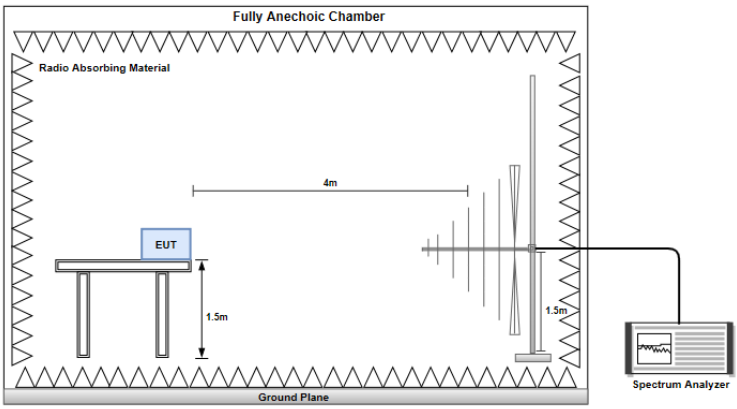
Reference to clause 4.3.5.3 of EN 300 440 V2.1.1 (2017-03).

4.1.3 Test Setup

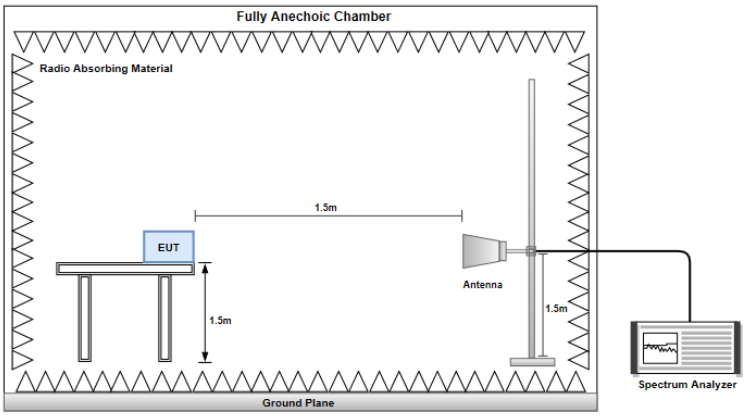
Below 30MHz



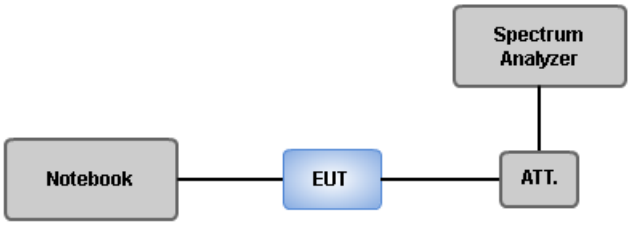
Below 1GHz



Above 1 GHz



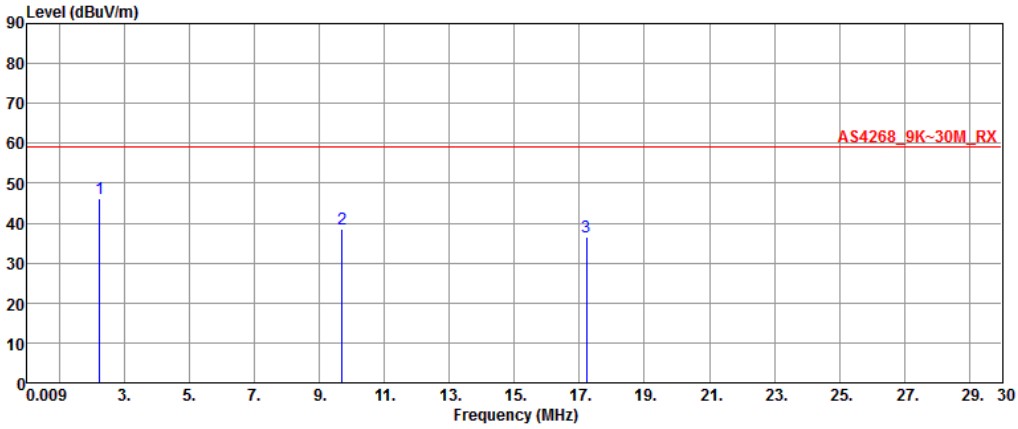
Conducted Emission



4.1.4 Receiver Radiated Unwanted Emissions (≤ 30MHz)

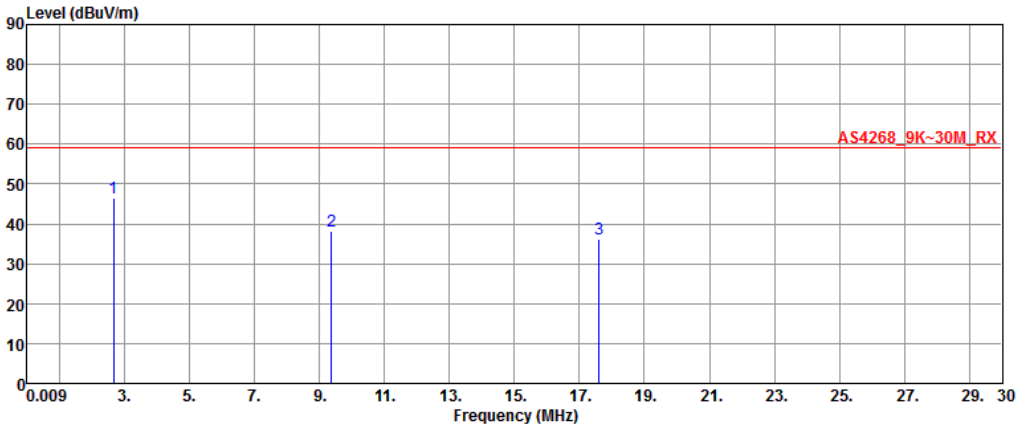
Configuration 1 : Dipole Antenna

Modulation	11a	Test Freq. (MHz)	5745



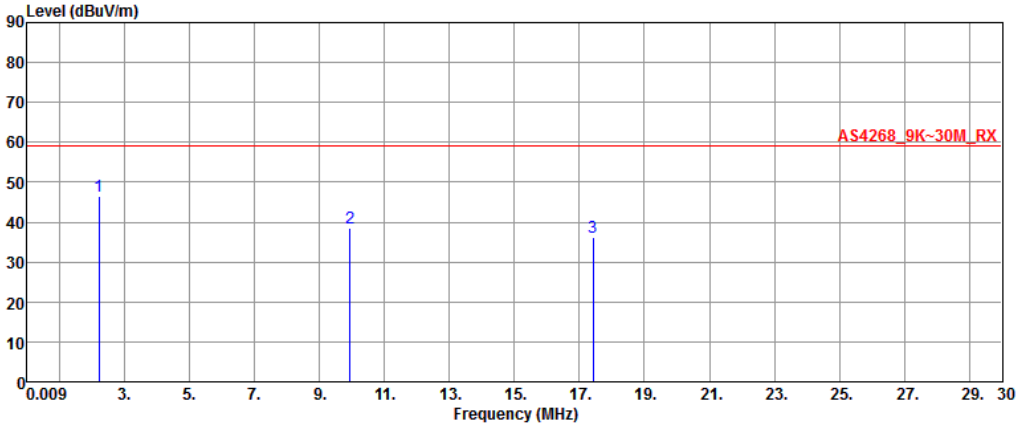
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.23	46.12	59.00	-12.88	19.74	26.38
2	9.69	38.52	59.00	-20.48	21.19	17.33
3	17.21	36.51	59.00	-22.49	22.23	14.28

Modulation	11a	Test Freq. (MHz)	5785



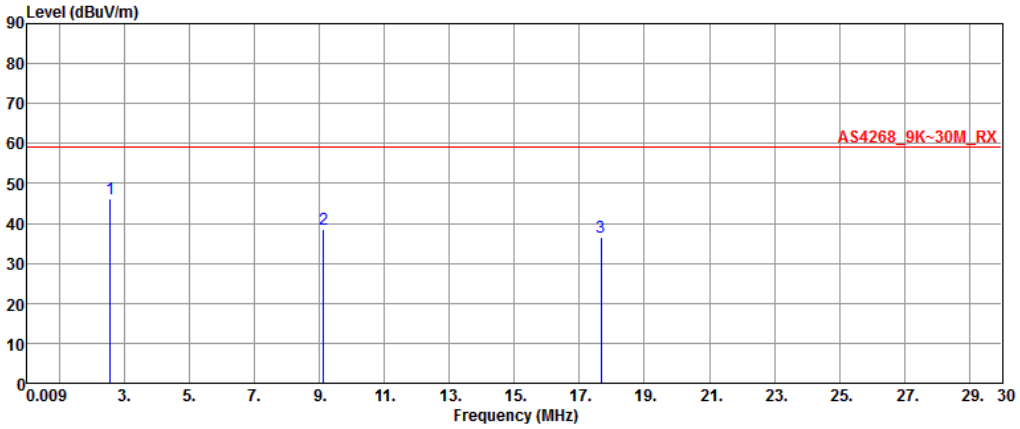
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.66	46.41	59.00	-12.59	19.62	26.79
2	9.37	38.16	59.00	-20.84	21.15	17.01
3	17.61	36.31	59.00	-22.69	22.27	14.04

Modulation	11a	Test Freq. (MHz)	5825



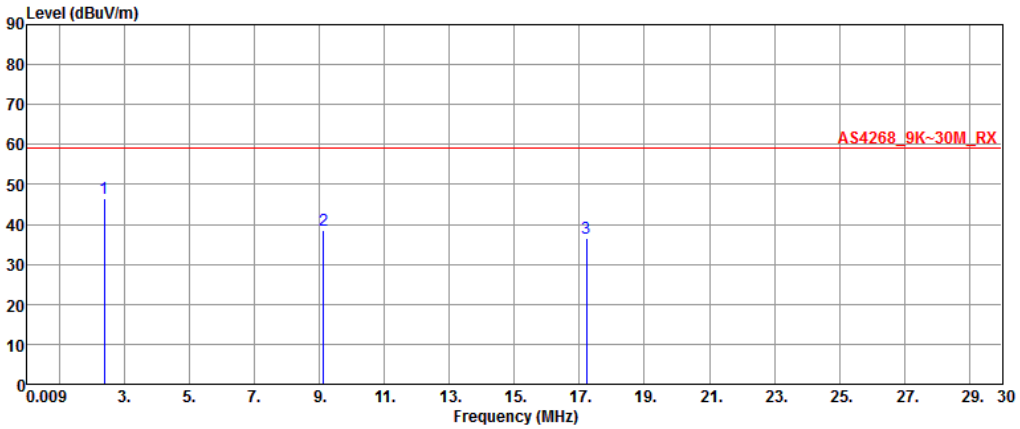
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.20	46.44	59.00	-12.56	19.74	26.70
2	9.95	38.60	59.00	-20.40	21.22	17.38
3	17.41	36.24	59.00	-22.76	22.25	13.99

Modulation	VHT20	Test Freq. (MHz)	5745



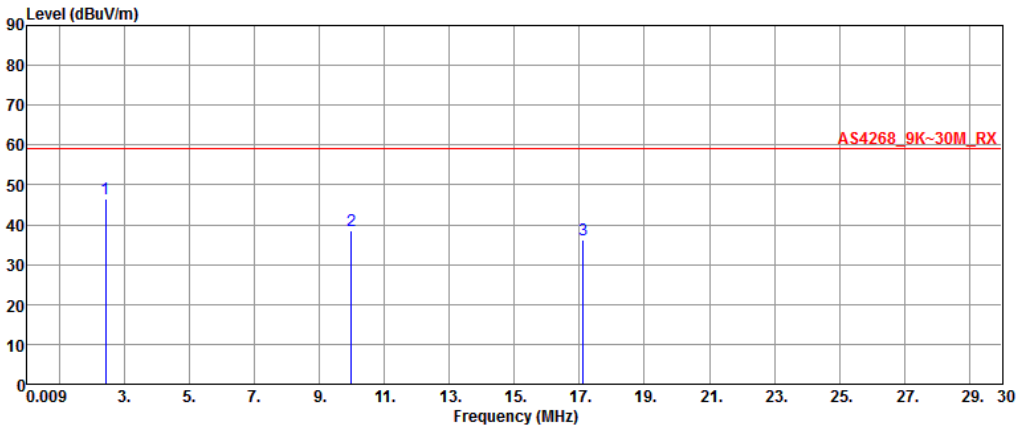
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.57	46.03	59.00	-12.97	19.64	26.39
2	9.12	38.60	59.00	-20.40	21.13	17.47
3	17.66	36.41	59.00	-22.59	22.27	14.14

Modulation	VHT20	Test Freq. (MHz)	5785



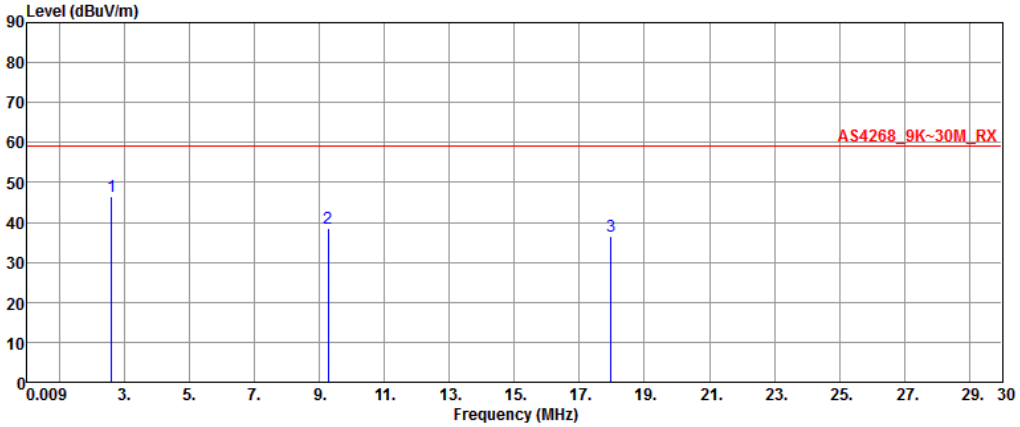
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.38	46.63	59.00	-12.37	19.69	26.94
2	9.13	38.67	59.00	-20.33	21.13	17.54
3	17.21	36.57	59.00	-22.43	22.23	14.34

Modulation	VHT20	Test Freq. (MHz)	5825



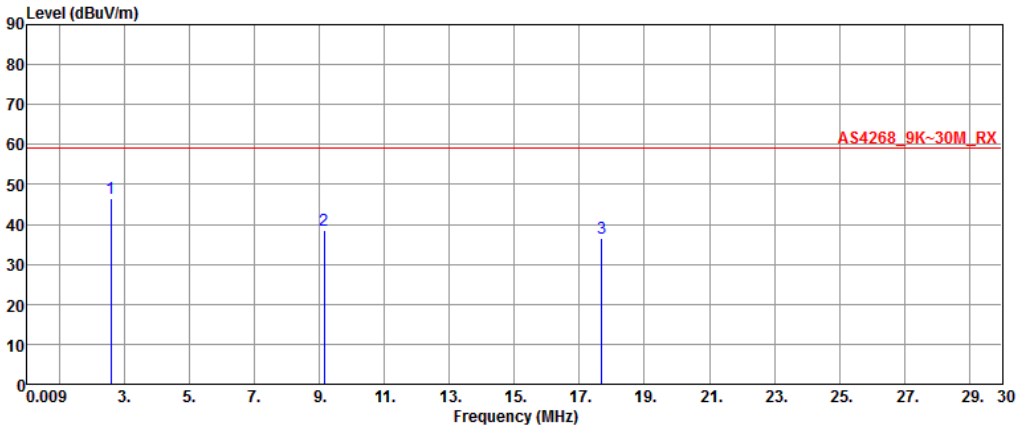
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.41	46.56	59.00	-12.44	19.69	26.87
2	9.98	38.65	59.00	-20.35	21.22	17.43
3	17.12	36.25	59.00	-22.75	22.22	14.03

Modulation	VHT40	Test Freq. (MHz)	5755



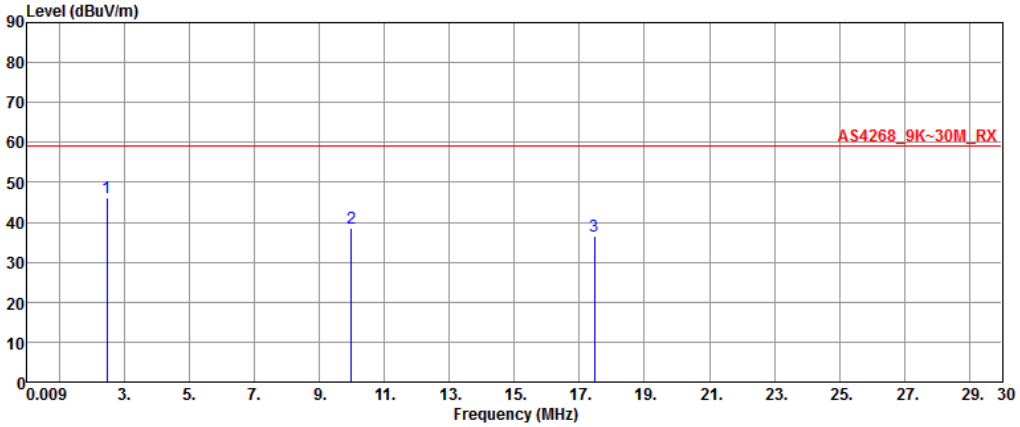
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.60	46.44	59.00	-12.56	19.63	26.81
2	9.26	38.67	59.00	-20.33	21.14	17.53
3	17.97	36.62	59.00	-22.38	22.31	14.31

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.57	46.59	59.00	-12.41	19.64	26.95
2	9.14	38.65	59.00	-20.35	21.13	17.52
3	17.68	36.64	59.00	-22.36	22.28	14.36

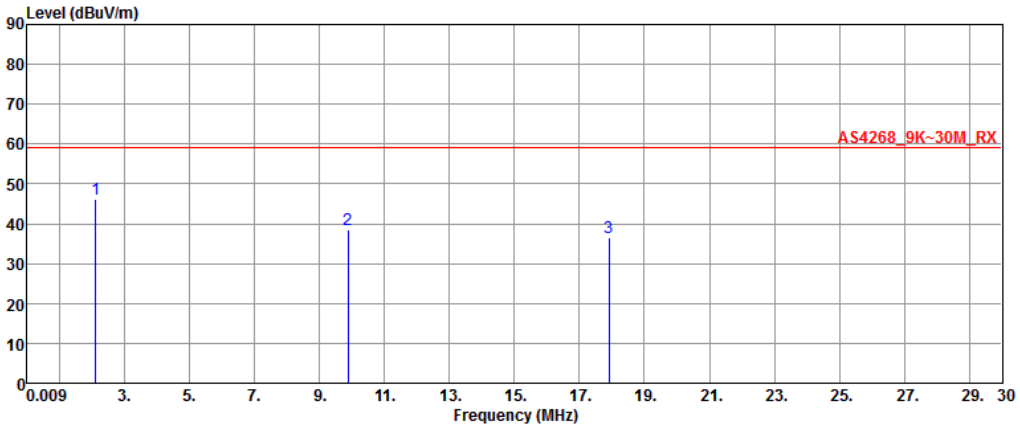
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.46	46.05	59.00	-12.95	19.68	26.37
2	9.98	38.66	59.00	-20.34	21.22	17.44
3	17.47	36.51	59.00	-22.49	22.26	14.25

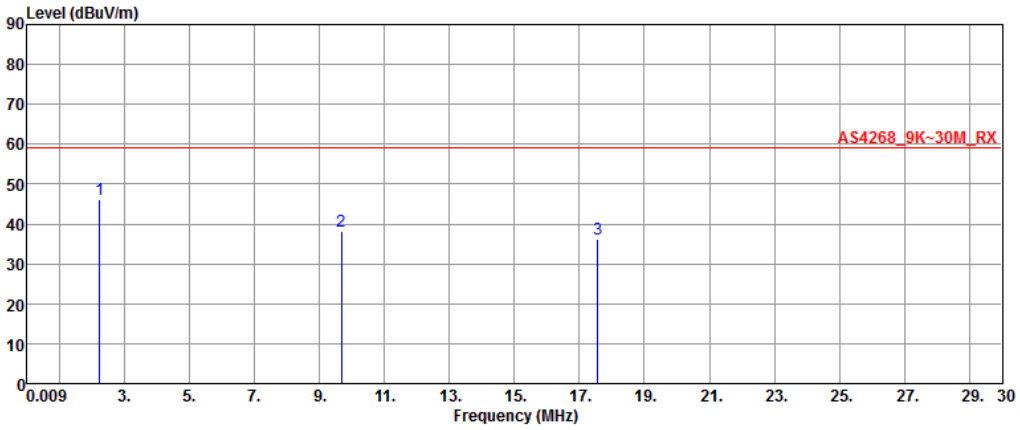
Configuration 2 : PCB Dipole Antenna

Modulation	11a	Test Freq. (MHz)	5745



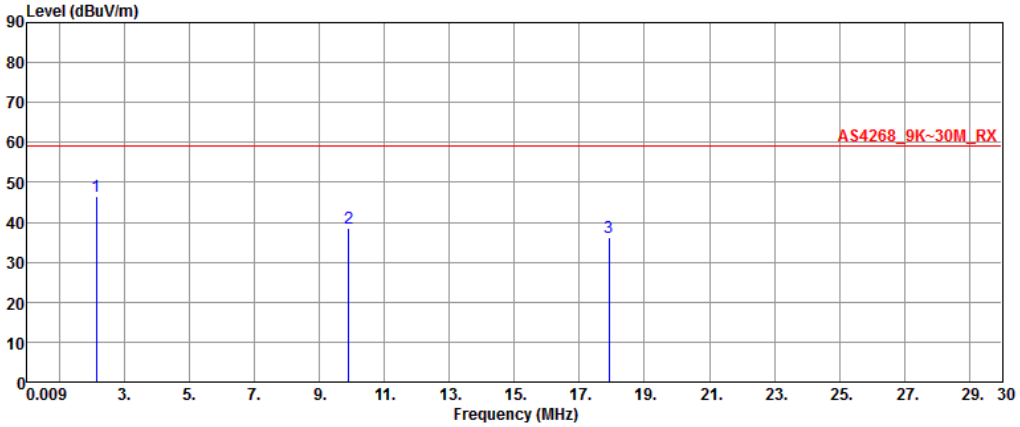
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.10	46.24	59.00	-12.76	19.78	26.46
2	9.88	38.57	59.00	-20.43	21.21	17.36
3	17.90	36.54	59.00	-22.46	22.30	14.24

Modulation	11a	Test Freq. (MHz)	5785



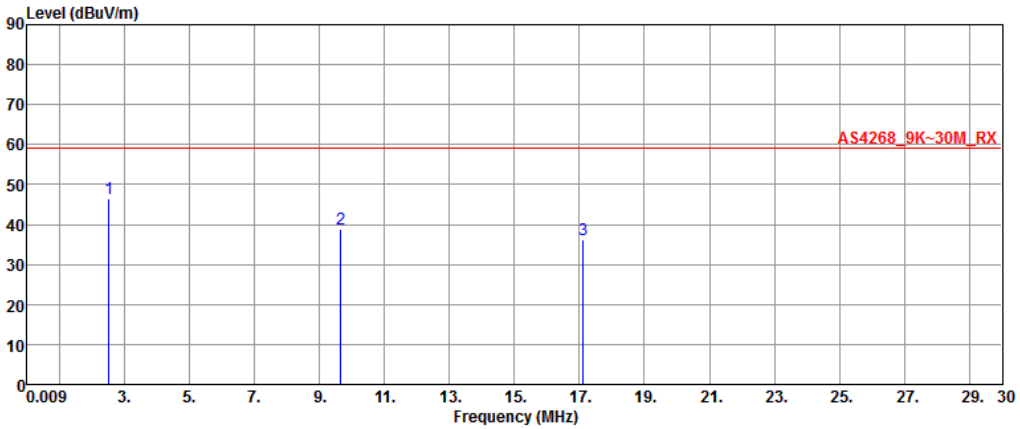
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.24	46.25	59.00	-12.75	19.73	26.52
2	9.68	38.24	59.00	-20.76	21.19	17.05
3	17.57	36.31	59.00	-22.69	22.27	14.04

Modulation	11a	Test Freq. (MHz)	5825



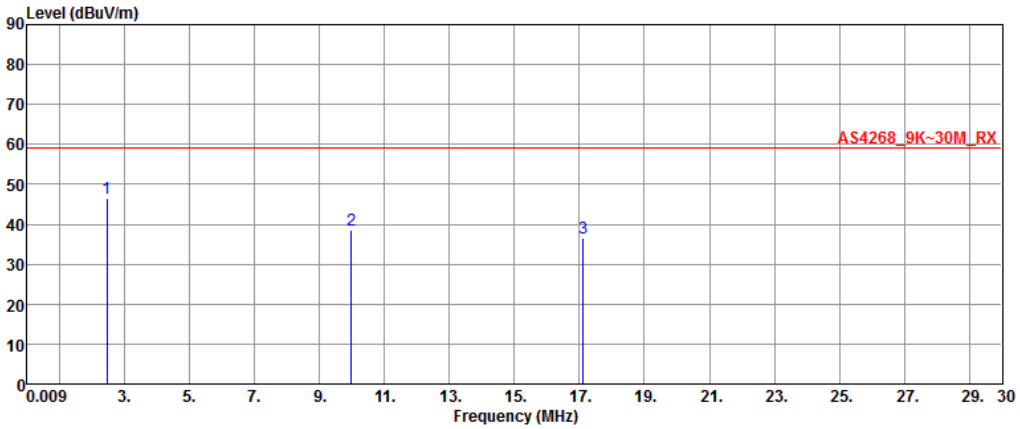
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.12	46.51	59.00	-12.49	19.77	26.74
2	9.89	38.41	59.00	-20.59	21.21	17.20
3	17.92	36.32	59.00	-22.68	22.30	14.02

Modulation	VHT20	Test Freq. (MHz)	5745



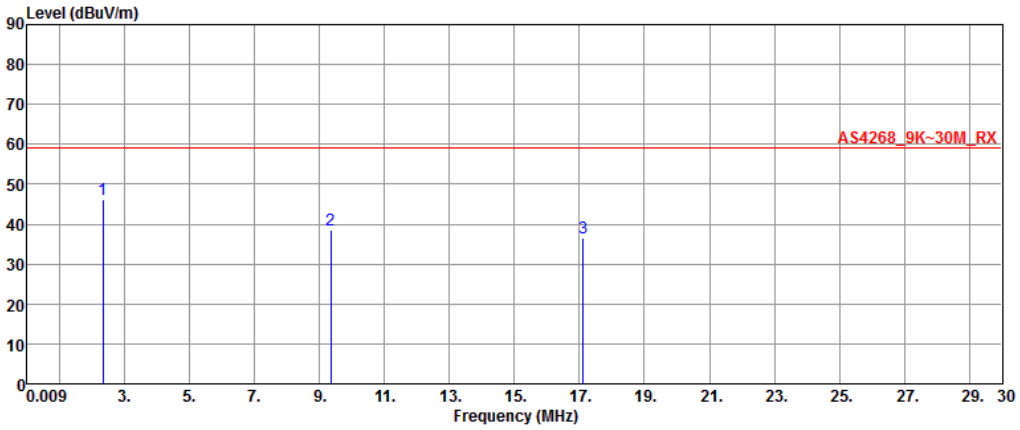
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.51	46.35	59.00	-12.65	19.66	26.69
2	9.65	38.88	59.00	-20.12	21.19	17.69
3	17.11	36.21	59.00	-22.79	22.22	13.99

Modulation	VHT20	Test Freq. (MHz)	5785



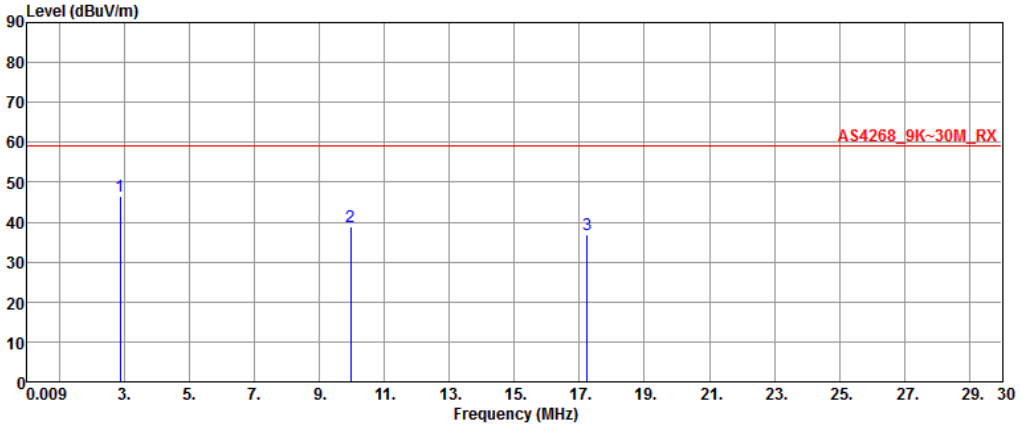
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.47	46.51	59.00	-12.49	19.67	26.84
2	9.99	38.51	59.00	-20.49	21.22	17.29
3	17.12	36.51	59.00	-22.49	22.22	14.29

Modulation	VHT20	Test Freq. (MHz)	5825



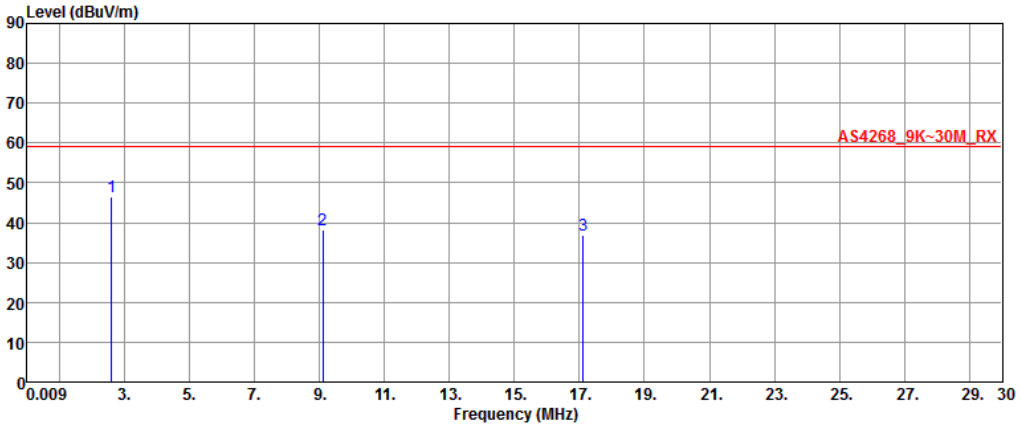
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.34	46.17	59.00	-12.83	19.70	26.47
2	9.36	38.47	59.00	-20.53	21.15	17.32
3	17.12	36.38	59.00	-22.62	22.22	14.16

Modulation	VHT40	Test Freq. (MHz)	5755



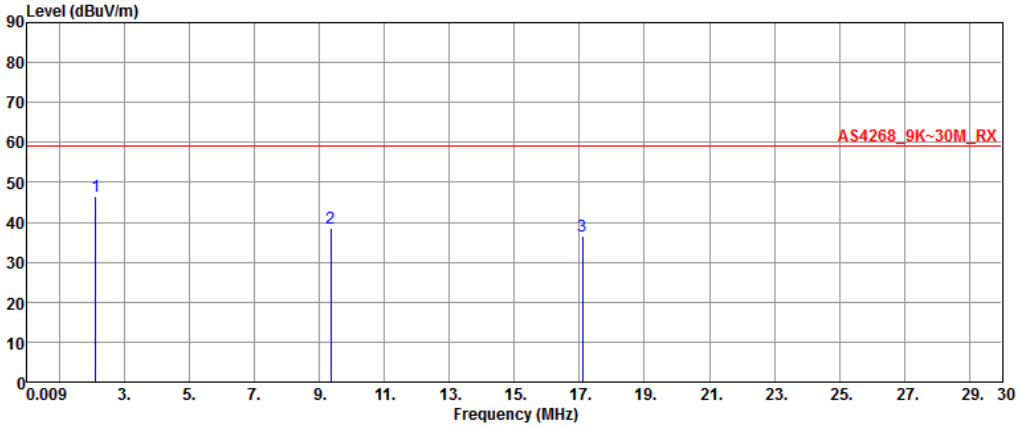
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.87	46.55	59.00	-12.45	19.56	26.99
2	9.96	38.78	59.00	-20.22	21.22	17.56
3	17.23	36.78	59.00	-22.22	22.23	14.55

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.61	46.45	59.00	-12.55	19.63	26.82
2	9.10	38.35	59.00	-20.65	21.13	17.22
3	17.12	36.71	59.00	-22.29	22.22	14.49

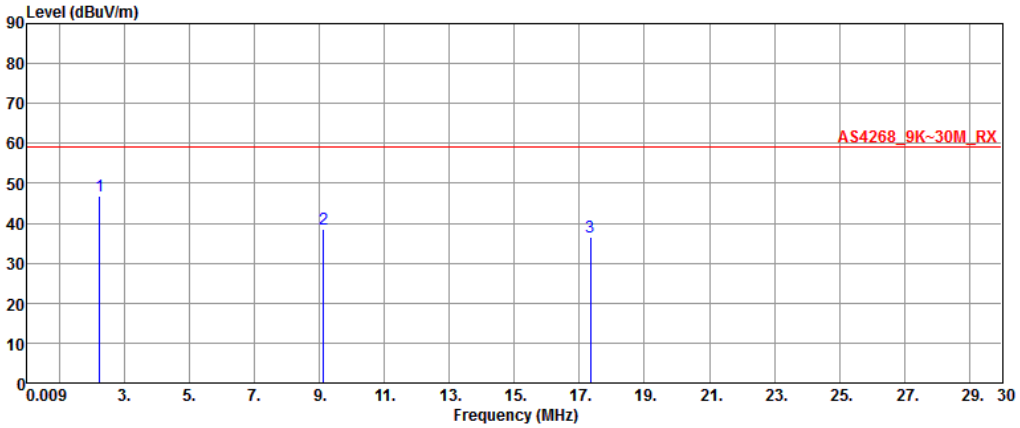
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.10	46.51	59.00	-12.49	19.78	26.73
2	9.36	38.66	59.00	-20.34	21.15	17.51
3	17.10	36.69	59.00	-22.31	22.22	14.47

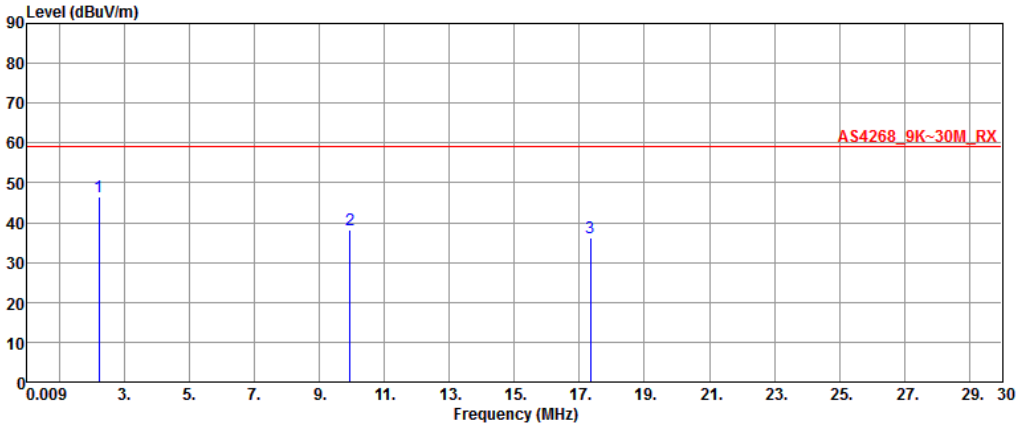
Configuration 3 : PIFA Antenna

Modulation	11a	Test Freq. (MHz)	5745



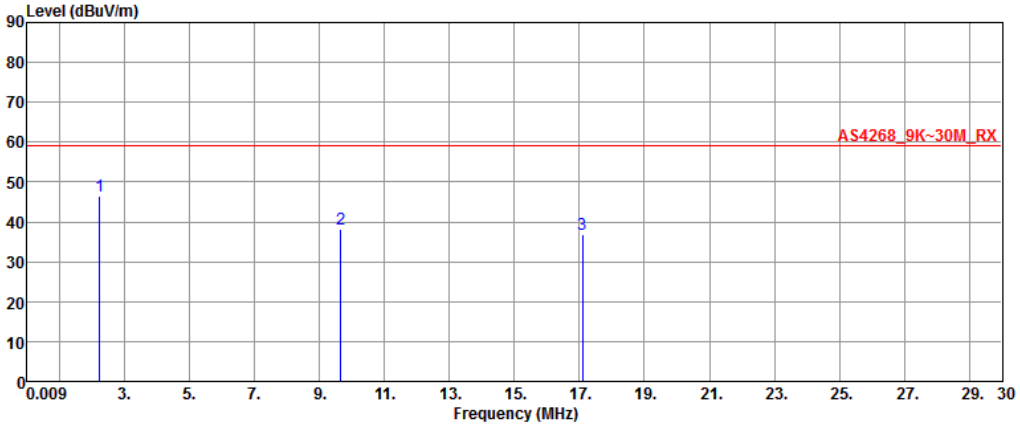
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.23	46.99	59.00	-12.01	19.73	27.26
2	9.12	38.51	59.00	-20.49	21.13	17.38
3	17.34	36.45	59.00	-22.55	22.24	14.21

Modulation	11a	Test Freq. (MHz)	5785



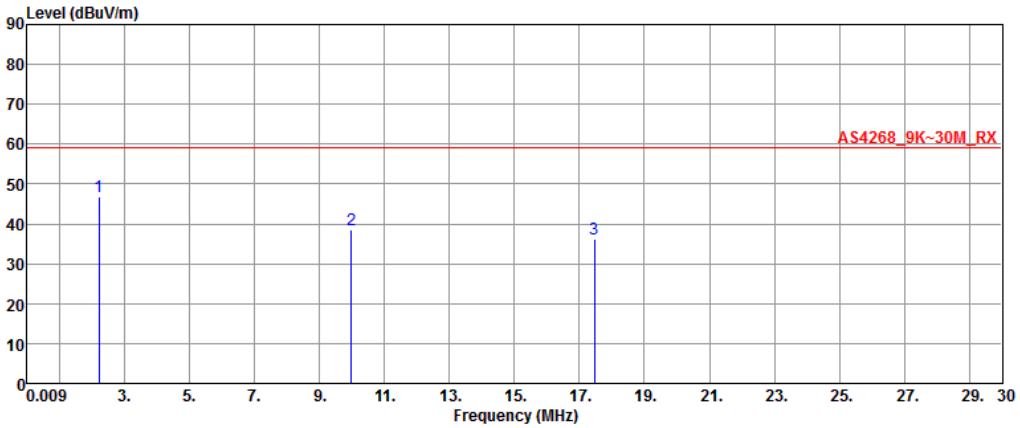
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.20	46.56	59.00	-12.44	19.74	26.82
2	9.95	38.24	59.00	-20.76	21.22	17.02
3	17.35	36.26	59.00	-22.74	22.24	14.02

Modulation	11a	Test Freq. (MHz)	5825



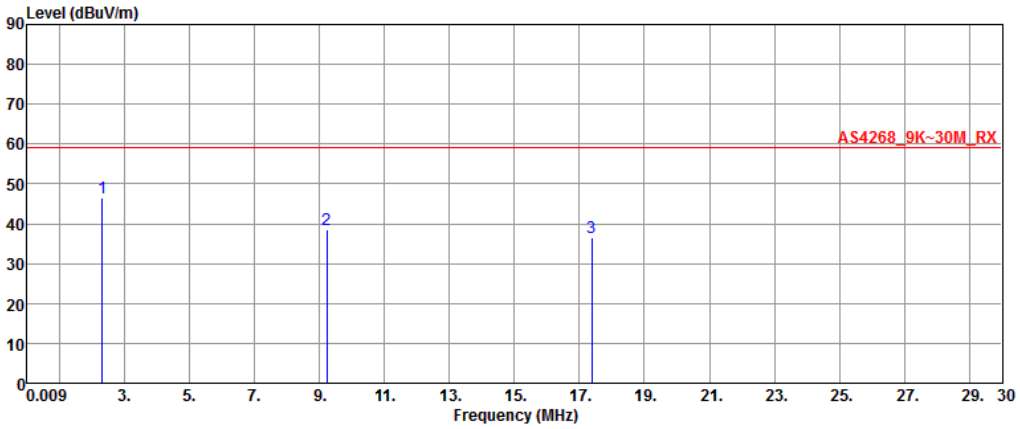
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.23	46.54	59.00	-12.46	19.74	26.80
2	9.66	38.23	59.00	-20.77	21.19	17.04
3	17.10	36.85	59.00	-22.15	22.22	14.63

Modulation	VHT20	Test Freq. (MHz)	5745



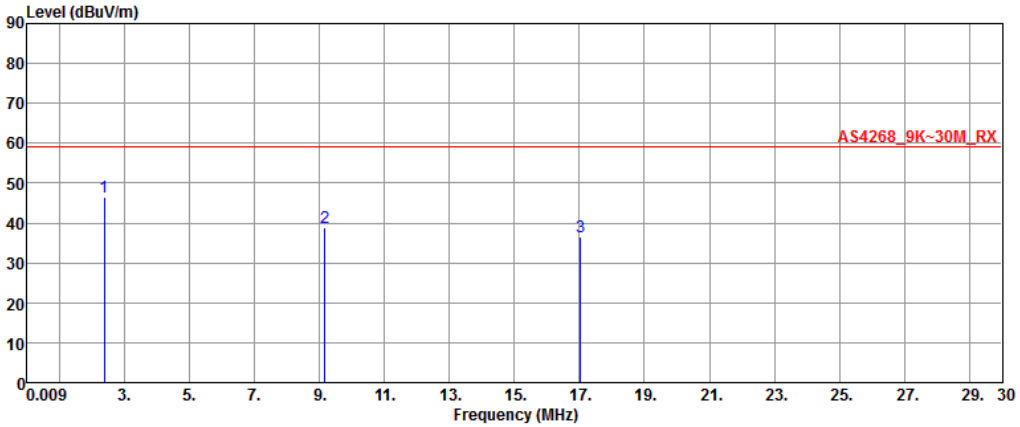
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.21	46.67	59.00	-12.33	19.74	26.93
2	9.97	38.41	59.00	-20.59	21.22	17.19
3	17.47	36.35	59.00	-22.65	22.26	14.09

Modulation	VHT20	Test Freq. (MHz)	5785



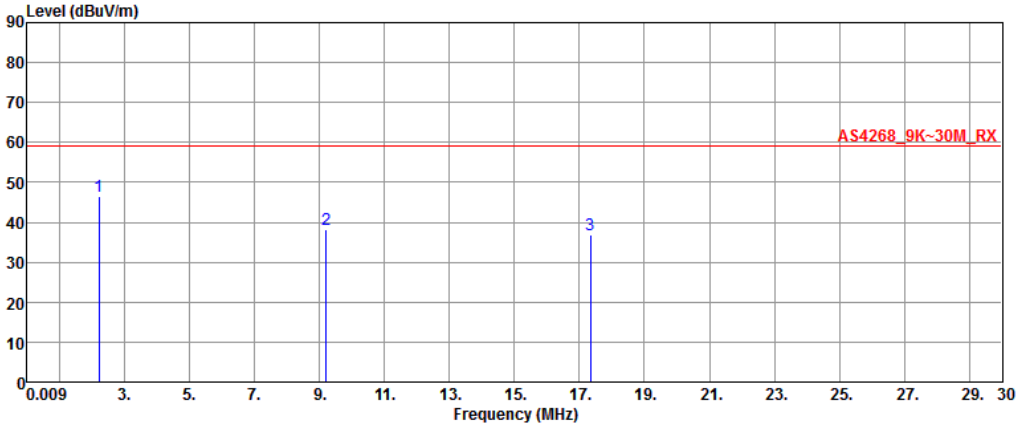
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.31	46.58	59.00	-12.42	19.71	26.87
2	9.23	38.40	59.00	-20.60	21.14	17.26
3	17.39	36.66	59.00	-22.34	22.25	14.41

Modulation	VHT20	Test Freq. (MHz)	5825



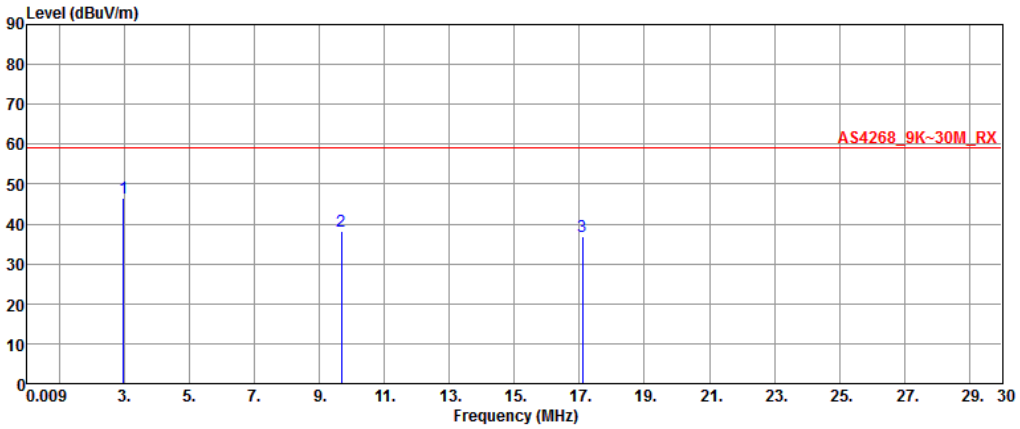
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.38	46.51	59.00	-12.49	19.69	26.82
2	9.17	38.71	59.00	-20.29	21.13	17.58
3	17.04	36.37	59.00	-22.63	22.21	14.16

Modulation	VHT40	Test Freq. (MHz)	5755



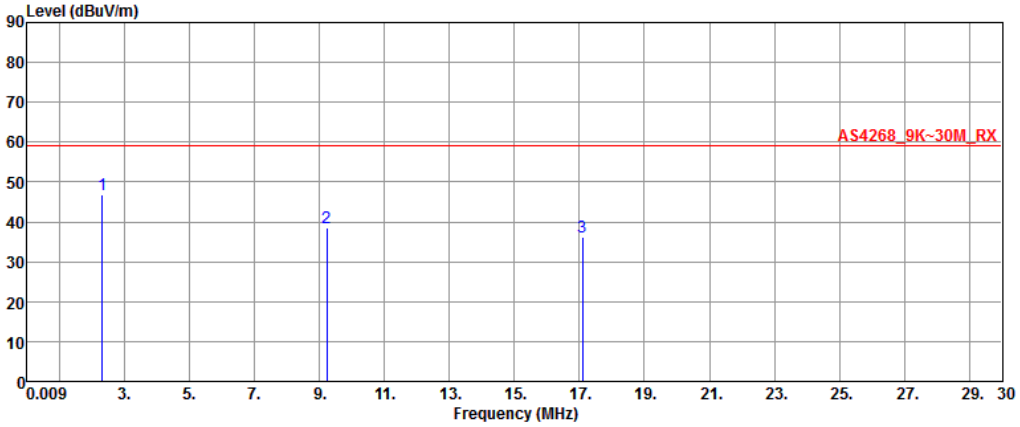
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.20	46.54	59.00	-12.46	19.74	26.80
2	9.20	38.34	59.00	-20.66	21.14	17.20
3	17.34	36.99	59.00	-22.01	22.24	14.75

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.96	46.40	59.00	-12.60	19.54	26.86
2	9.68	38.32	59.00	-20.68	21.19	17.13
3	17.10	36.88	59.00	-22.12	22.22	14.66

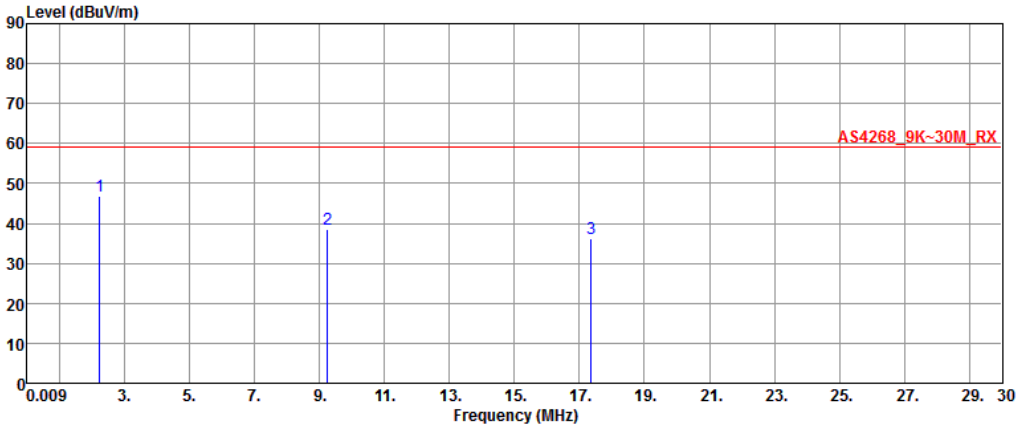
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.31	46.67	59.00	-12.33	19.71	26.96
2	9.22	38.44	59.00	-20.56	21.14	17.30
3	17.10	36.25	59.00	-22.75	22.22	14.03

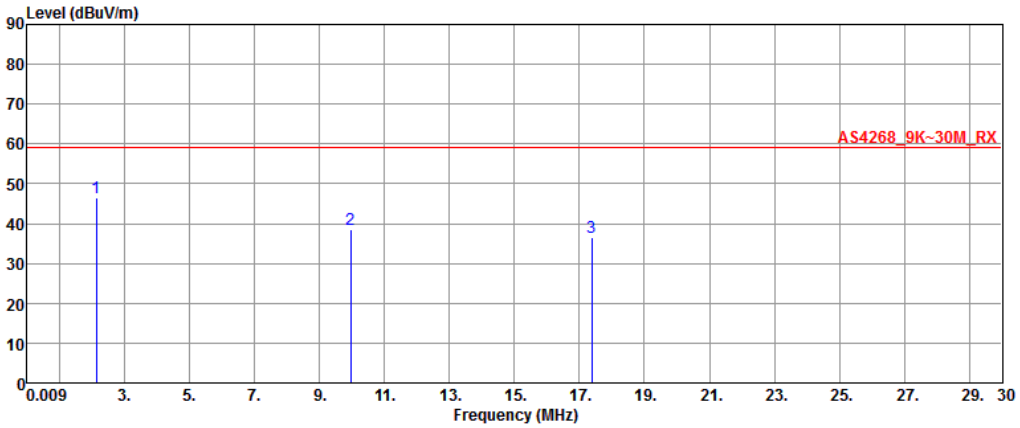
Configuration 4: Isolated Magnetic Dipole Antenna

Modulation	11a	Test Freq. (MHz)	5745



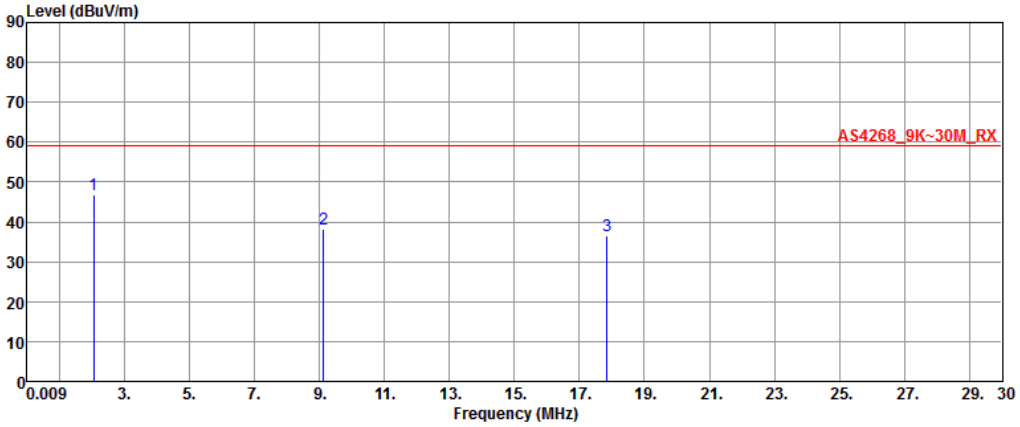
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.24	46.88	59.00	-12.12	19.73	27.15
2	9.25	38.41	59.00	-20.59	21.14	17.27
3	17.36	36.34	59.00	-22.66	22.24	14.10

Modulation	11a	Test Freq. (MHz)	5785



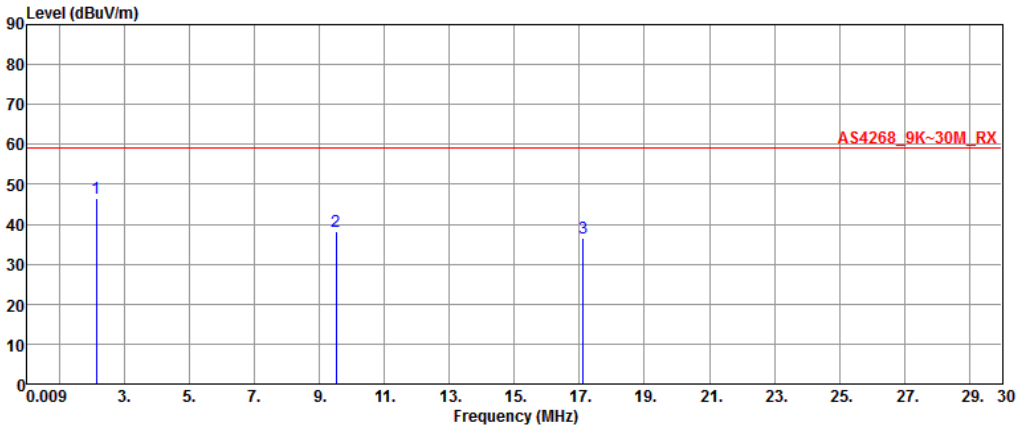
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.13	46.51	59.00	-12.49	19.77	26.74
2	9.96	38.50	59.00	-20.50	21.22	17.28
3	17.38	36.69	59.00	-22.31	22.25	14.44

Modulation	11a	Test Freq. (MHz)	5825



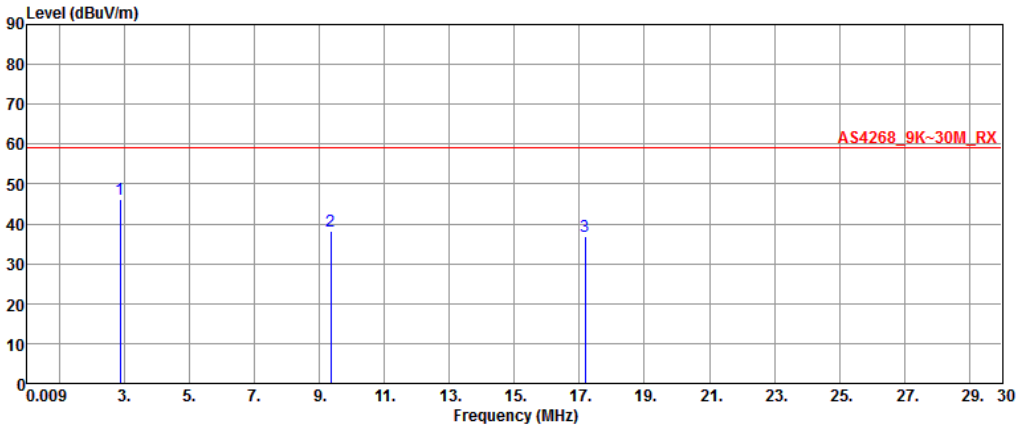
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.06	46.87	59.00	-12.13	19.79	27.08
2	9.12	38.36	59.00	-20.64	21.13	17.23
3	17.85	36.37	59.00	-22.63	22.29	14.08

Modulation	VHT20	Test Freq. (MHz)	5745



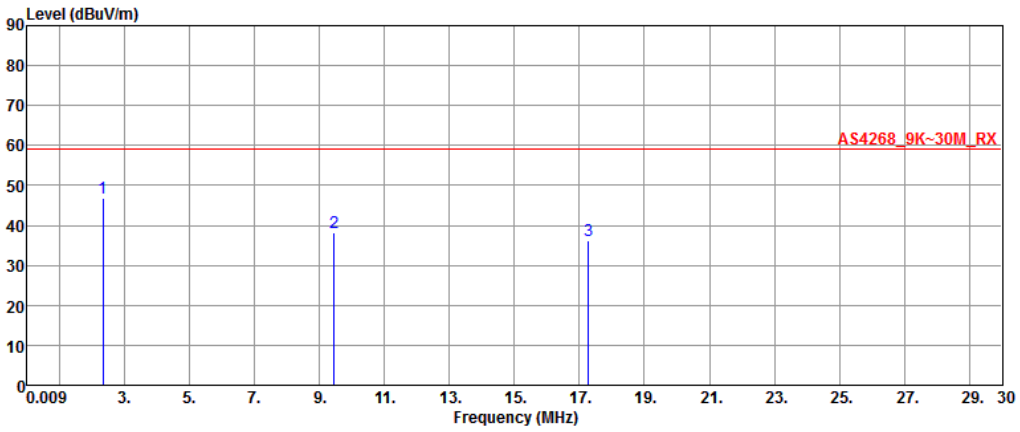
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.12	46.58	59.00	-12.42	19.77	26.81
2	9.50	38.33	59.00	-20.67	21.18	17.15
3	17.12	36.57	59.00	-22.43	22.22	14.35

Modulation	VHT20	Test Freq. (MHz)	5785



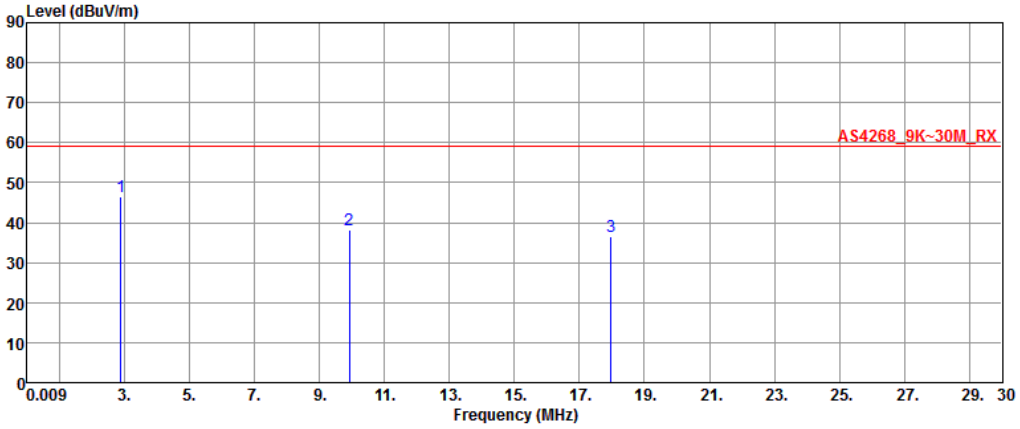
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.87	46.08	59.00	-12.92	19.56	26.52
2	9.36	38.23	59.00	-20.77	21.15	17.08
3	17.17	36.88	59.00	-22.12	22.23	14.65

Modulation	VHT20	Test Freq. (MHz)	5825



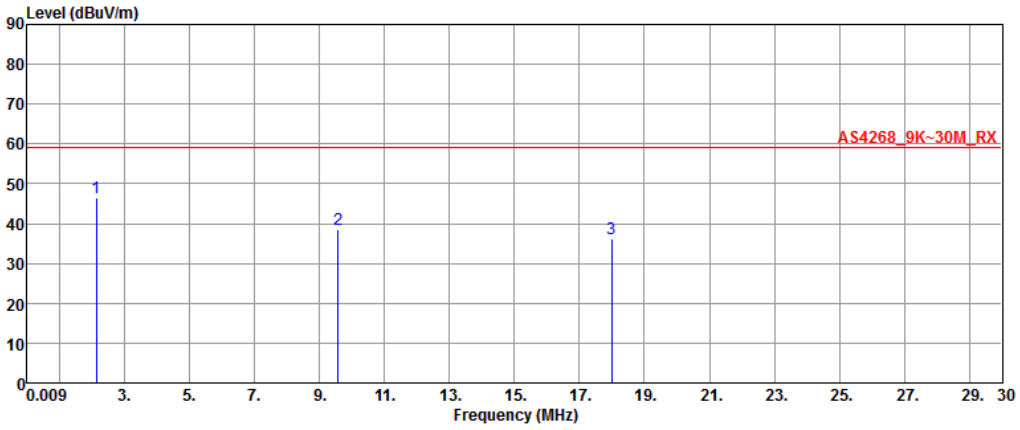
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.33	46.98	59.00	-12.02	19.70	27.28
2	9.45	38.06	59.00	-20.94	21.17	16.89
3	17.27	36.34	59.00	-22.66	22.24	14.10

Modulation	VHT40	Test Freq. (MHz)	5755



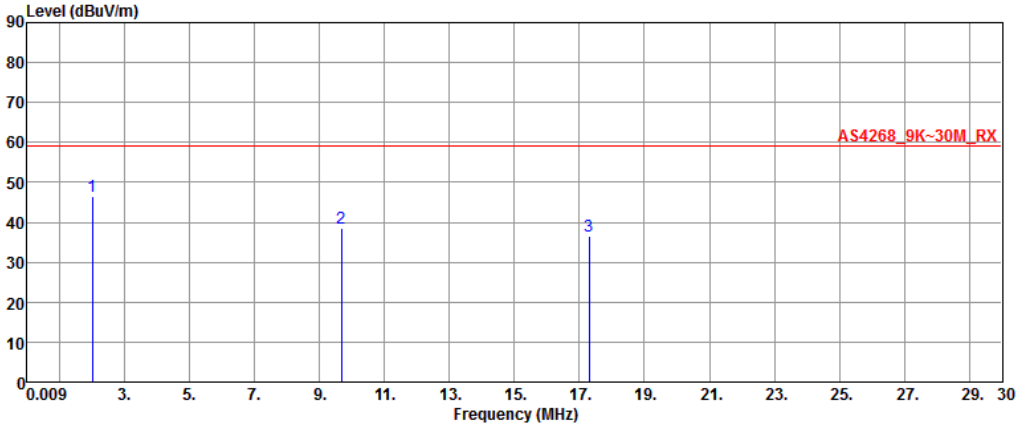
	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.88	46.46	59.00	-12.54	19.56	26.90
2	9.92	38.35	59.00	-20.65	21.21	17.14
3	17.98	36.56	59.00	-22.44	22.32	14.24

Modulation	VHT40	Test Freq. (MHz)	5795



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.12	46.66	59.00	-12.34	19.77	26.89
2	9.58	38.41	59.00	-20.59	21.18	17.23
3	18.00	36.35	59.00	-22.65	22.32	14.03

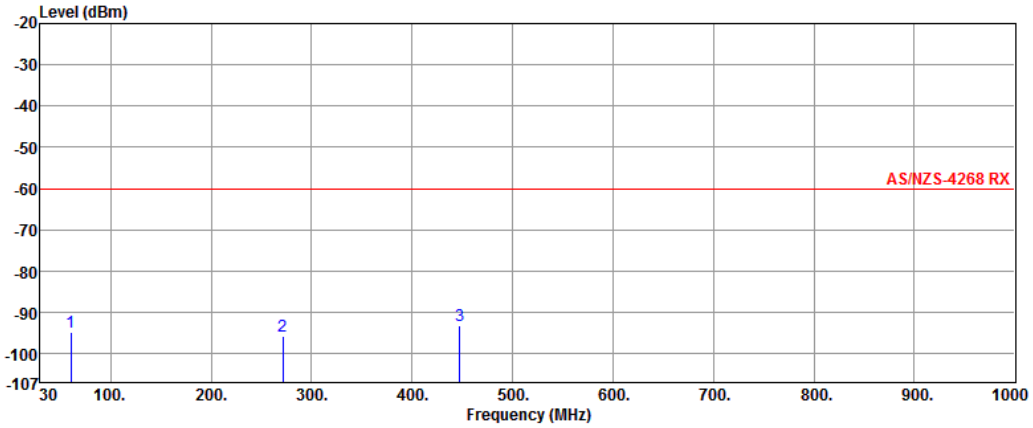
Modulation	VHT80	Test Freq. (MHz)	5755



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	2.01	46.57	59.00	-12.43	19.81	26.76
2	9.67	38.61	59.00	-20.39	21.19	17.42
3	17.31	36.39	59.00	-22.61	22.24	14.15

4.1.5 Receiver Conducted Unwanted Emissions (Below 1GHz)

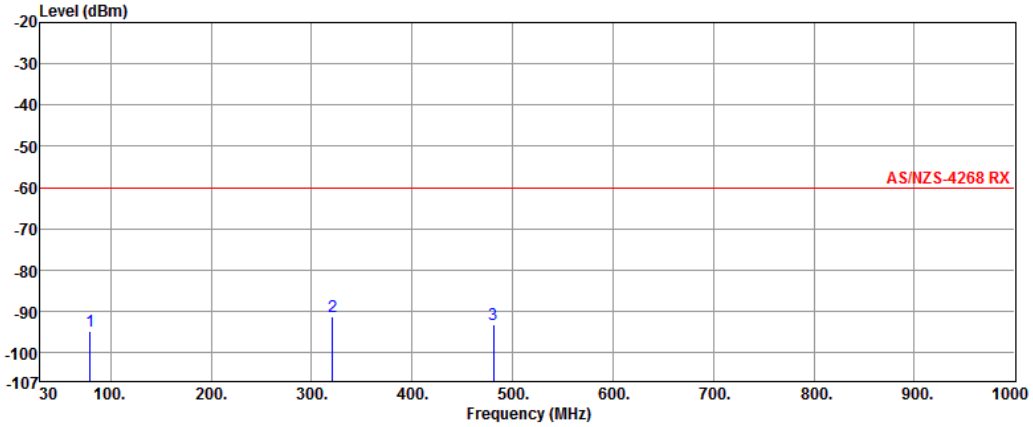
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.08	-94.91	-60.01	-34.90	0.00	-94.91
2	271.31	-95.71	-60.01	-35.70	0.00	-95.71
3	447.66	-93.18	-60.01	-33.17	0.00	-93.18

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

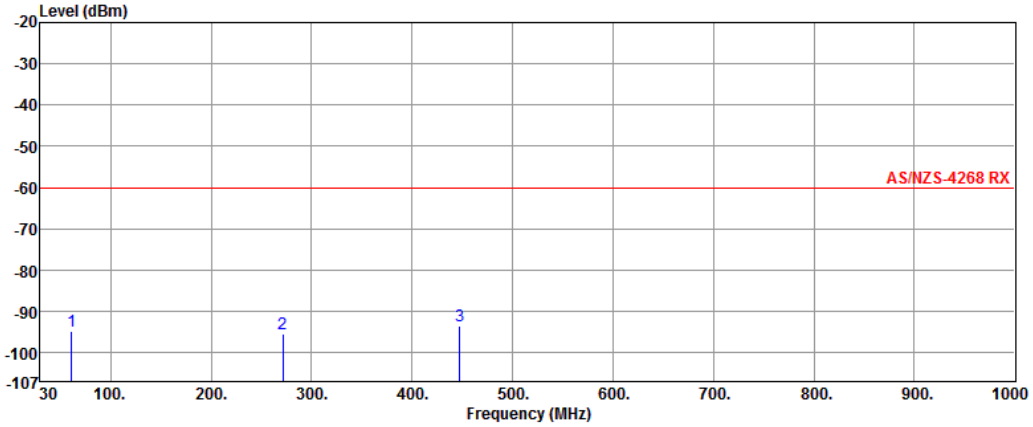
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.67	-94.71	-60.01	-34.70	0.00	-94.71
2	320.56	-91.11	-60.01	-31.10	0.00	-91.11
3	480.78	-93.31	-60.01	-33.30	0.00	-93.31

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

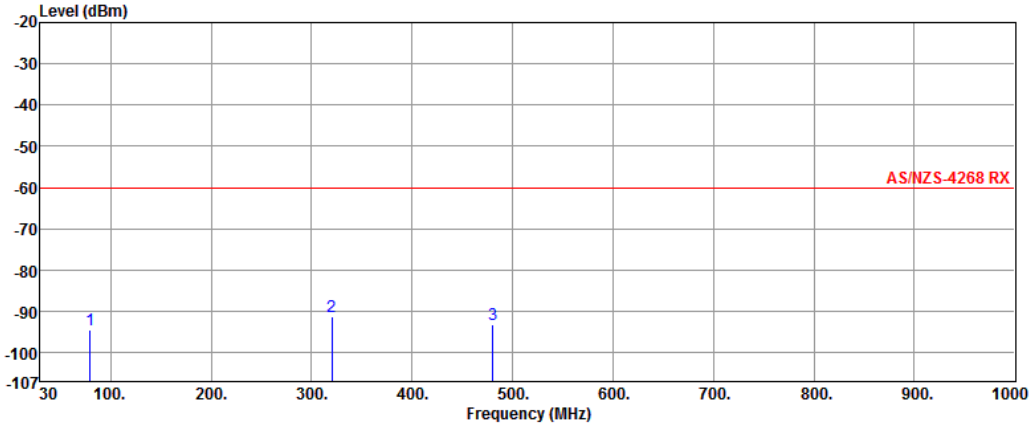
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	61.00	-94.72	-60.01	-34.71	0.00	-94.72
2	271.37	-95.45	-60.01	-35.44	0.00	-95.45
3	447.68	-93.44	-60.01	-33.43	0.00	-93.44

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

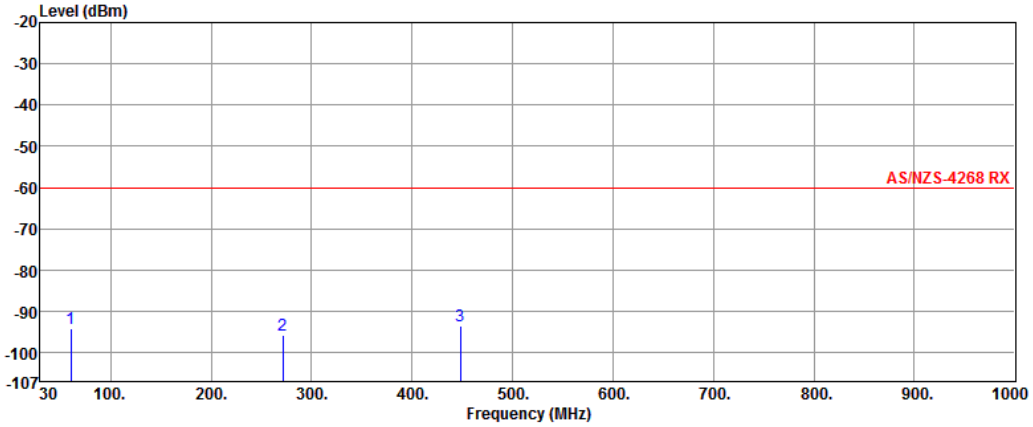
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.15	-94.63	-60.01	-34.62	0.00	-94.63
2	320.21	-91.12	-60.01	-31.11	0.00	-91.12
3	480.48	-93.27	-60.01	-33.26	0.00	-93.27

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

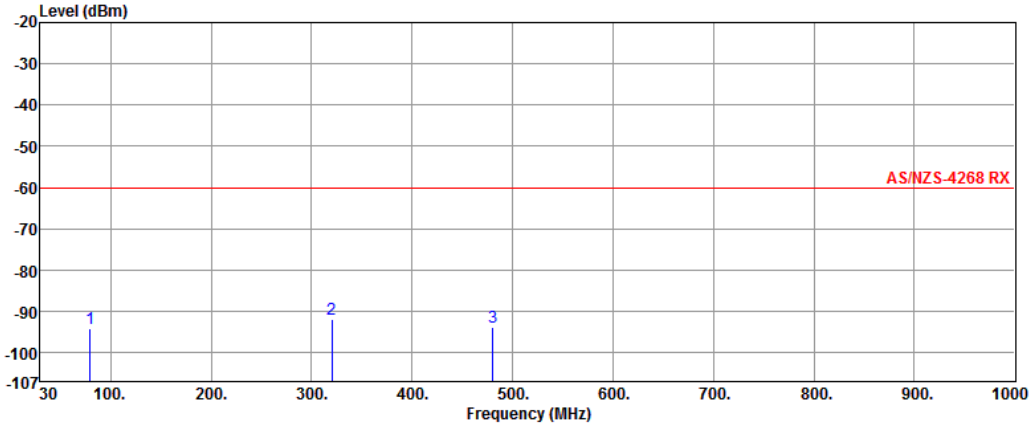
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.26	-94.11	-60.01	-34.10	0.00	-94.11
2	271.35	-95.81	-60.01	-35.80	0.00	-95.81
3	447.92	-93.48	-60.01	-33.47	0.00	-93.48

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

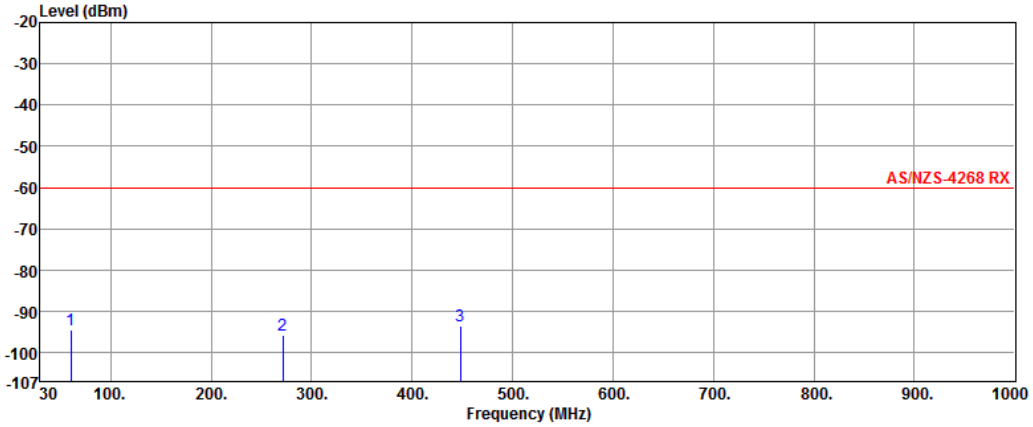
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.57	-94.10	-60.01	-34.09	0.00	-94.10
2	320.34	-91.92	-60.01	-31.91	0.00	-91.92
3	480.51	-93.75	-60.01	-33.74	0.00	-93.75

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

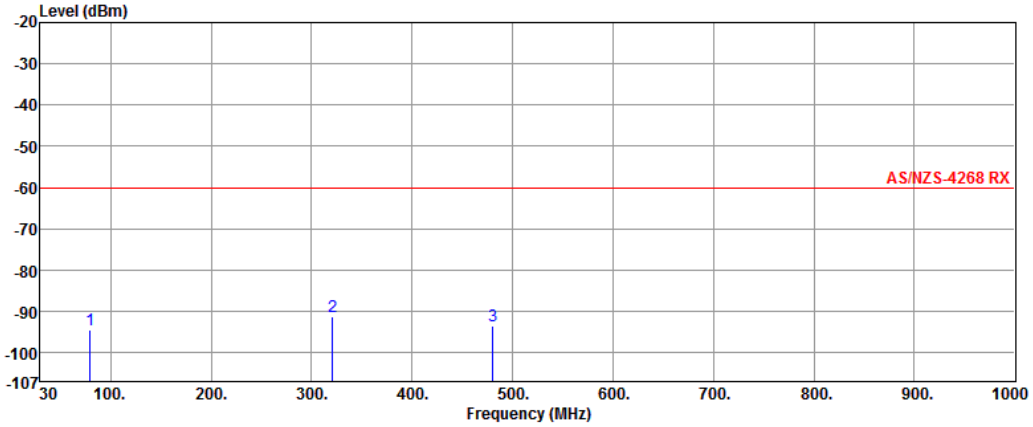
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.32	-94.41	-60.01	-34.40	0.00	-94.41
2	271.35	-95.67	-60.01	-35.66	0.00	-95.67
3	447.92	-93.46	-60.01	-33.45	0.00	-93.46

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

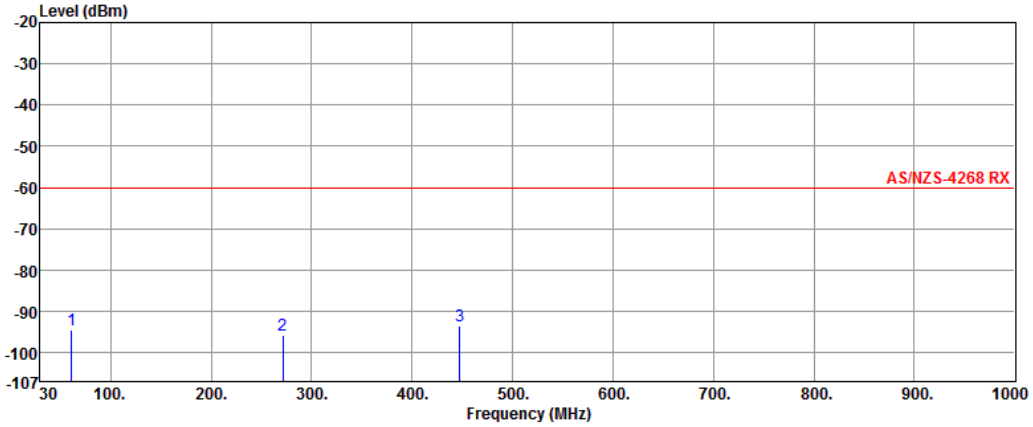
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.66	-94.45	-60.01	-34.44	0.00	-94.45
2	320.66	-91.41	-60.01	-31.40	0.00	-91.41
3	480.32	-93.45	-60.01	-33.44	0.00	-93.45

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

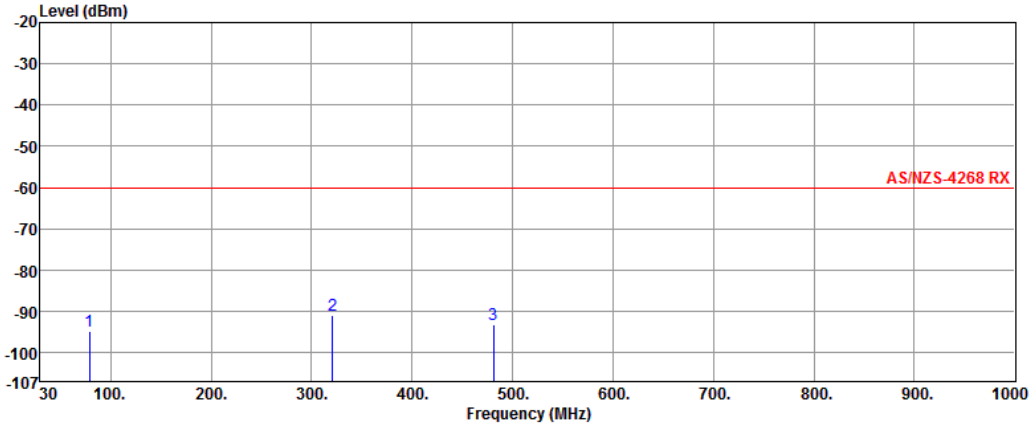
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.71	-94.52	-60.01	-34.51	0.00	-94.52
2	271.38	-95.92	-60.01	-35.91	0.00	-95.92
3	447.33	-93.58	-60.01	-33.57	0.00	-93.58

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

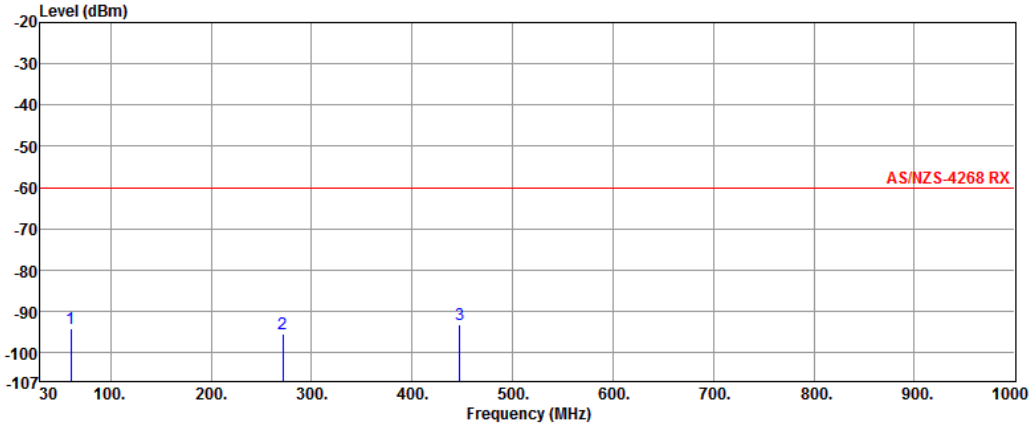
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.03	-94.72	-60.01	-34.71	0.00	-94.72
2	320.66	-91.10	-60.01	-31.09	0.00	-91.10
3	480.88	-93.35	-60.01	-33.34	0.00	-93.35

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

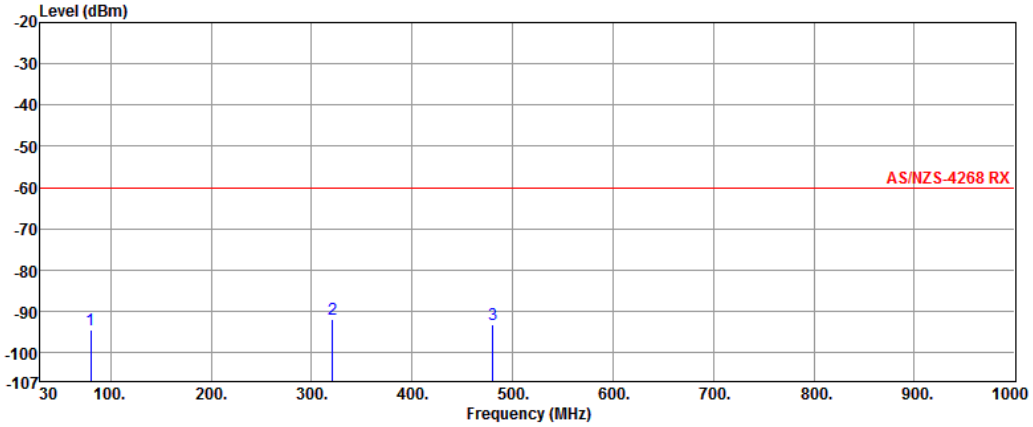
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.45	-94.07	-60.01	-34.06	0.00	-94.07
2	271.66	-95.41	-60.01	-35.40	0.00	-95.41
3	447.67	-93.12	-60.01	-33.11	0.00	-93.12

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

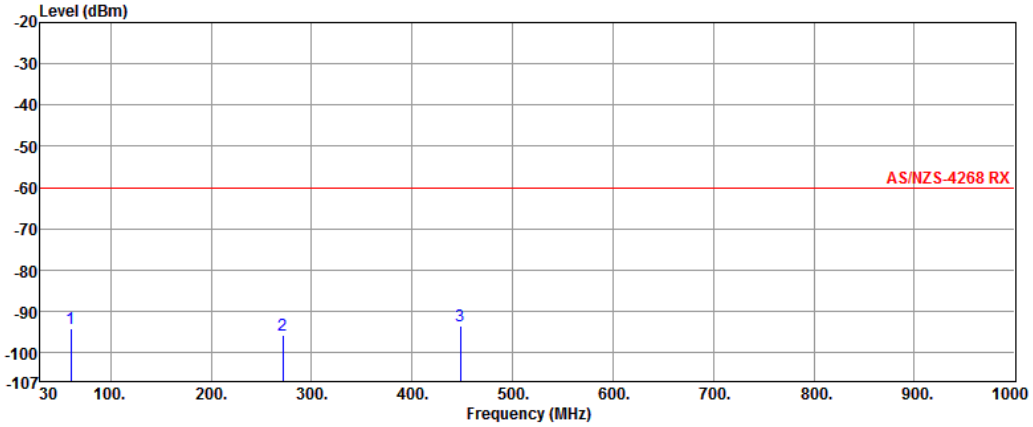
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.93	-94.34	-60.01	-34.33	0.00	-94.34
2	320.51	-91.96	-60.01	-31.95	0.00	-91.96
3	480.66	-93.11	-60.01	-33.10	0.00	-93.11

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

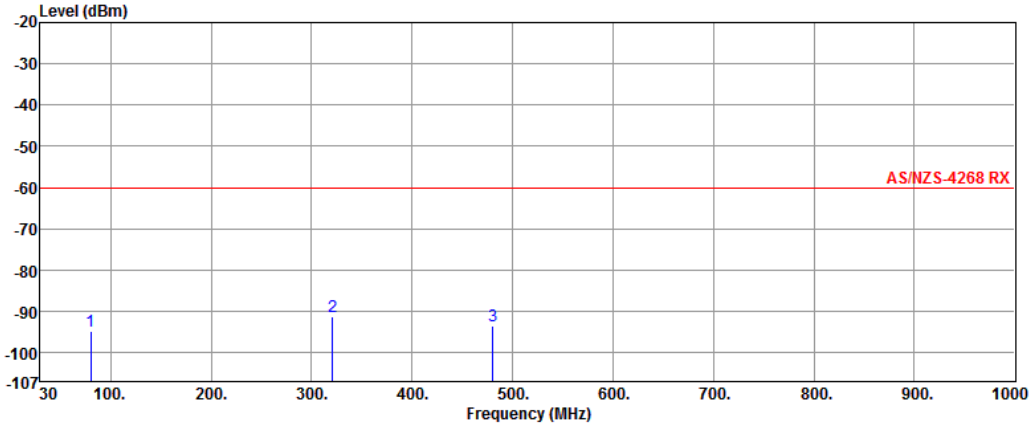
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.37	-94.11	-60.01	-34.10	0.00	-94.11
2	271.21	-95.68	-60.01	-35.67	0.00	-95.68
3	447.91	-93.66	-60.01	-33.65	0.00	-93.66

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

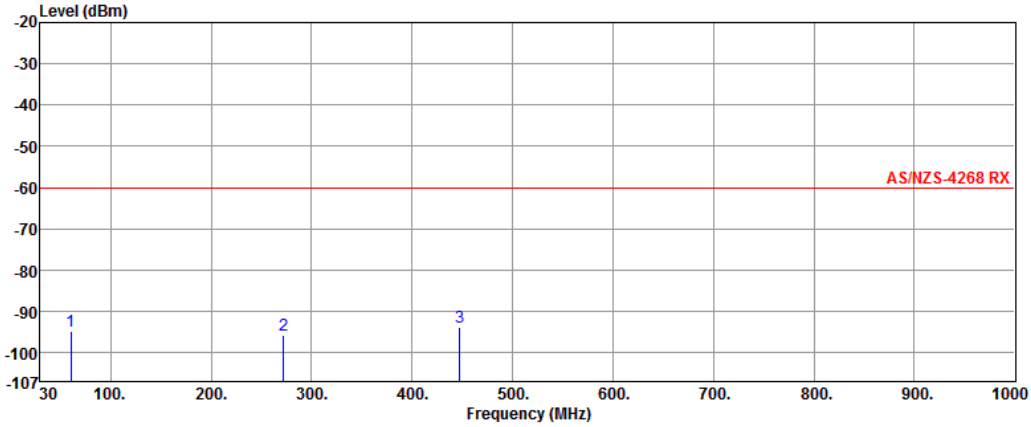
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.97	-94.65	-60.01	-34.64	0.00	-94.65
2	320.98	-91.41	-60.01	-31.40	0.00	-91.41
3	480.12	-93.56	-60.01	-33.55	0.00	-93.56

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

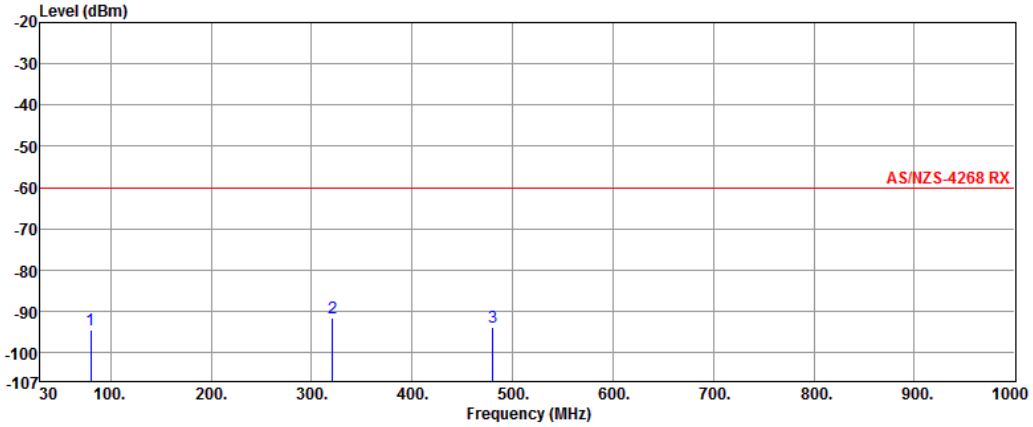
Modulation	VHT40	Test Freq. (MHz)	5795
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.35	-94.77	-60.01	-34.76	0.00	-94.77
2	271.97	-95.71	-60.01	-35.70	0.00	-95.71
3	447.39	-93.69	-60.01	-33.68	0.00	-93.69

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

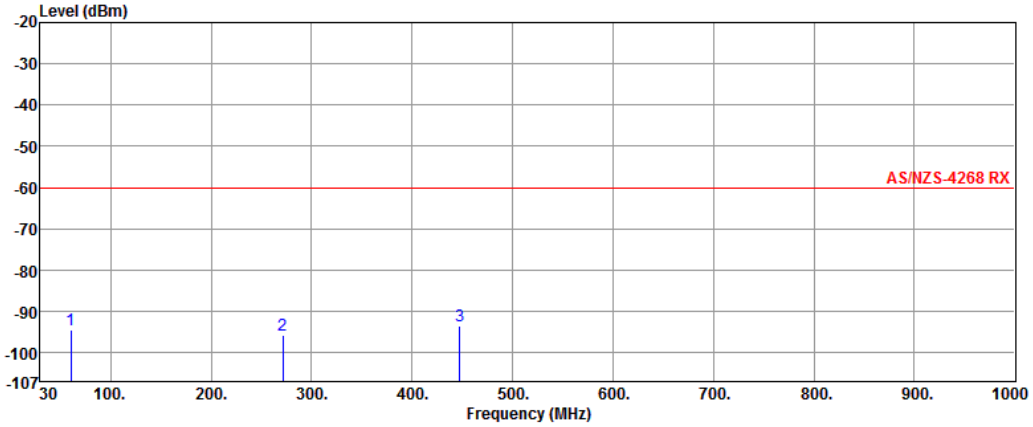
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.95	-94.41	-60.01	-34.40	0.00	-94.41
2	320.65	-91.71	-60.01	-31.70	0.00	-91.71
3	480.34	-93.82	-60.01	-33.81	0.00	-93.82

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

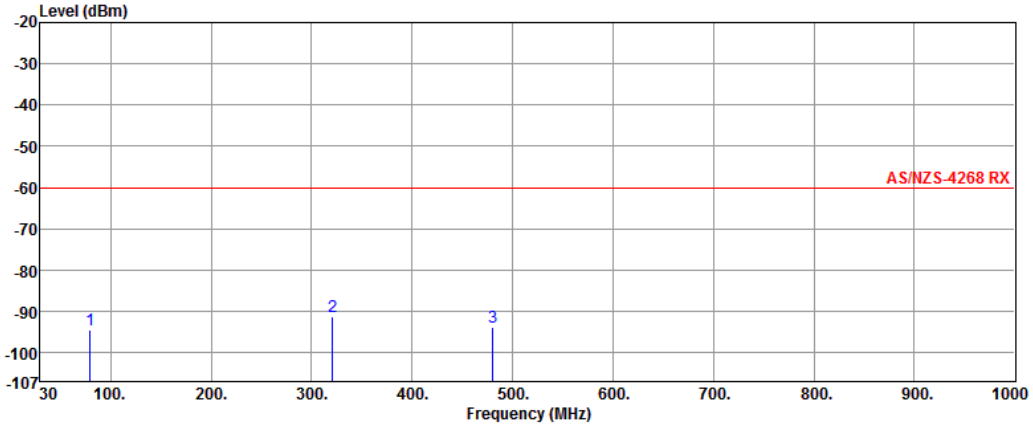
Modulation	VHT80	Test Freq. (MHz)	5755
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	60.41	-94.51	-60.01	-34.50	0.00	-94.51
2	271.38	-95.62	-60.01	-35.61	0.00	-95.62
3	447.21	-93.56	-60.01	-33.55	0.00	-93.56

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

Modulation	VHT80	Test Freq. (MHz)	5755
Antenna Port	1		

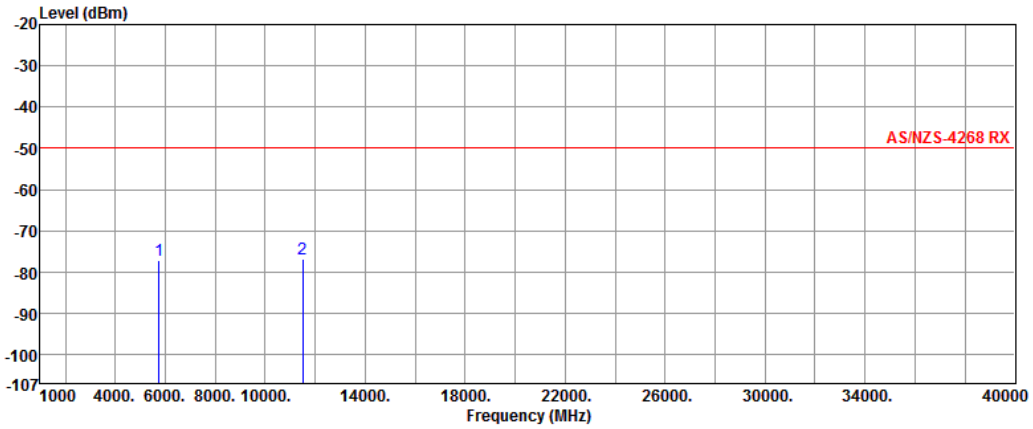


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	79.23	-94.43	-60.01	-34.42	0.00	-94.43
2	320.83	-91.41	-60.01	-31.40	0.00	-91.41
3	480.67	-93.68	-60.01	-33.67	0.00	-93.68

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)

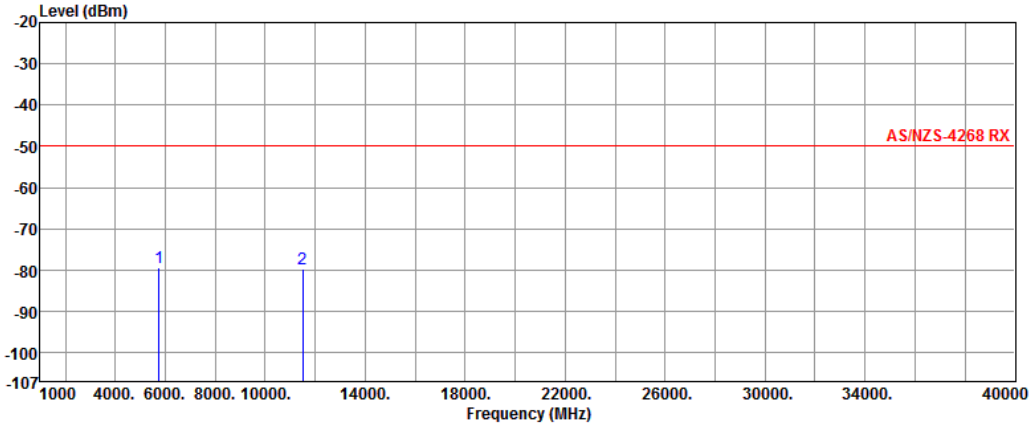
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5744.68	-77.08	-50.01	-27.07	0.00	-77.08
2	11490.48	-76.70	-50.01	-26.69	0.00	-76.70

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

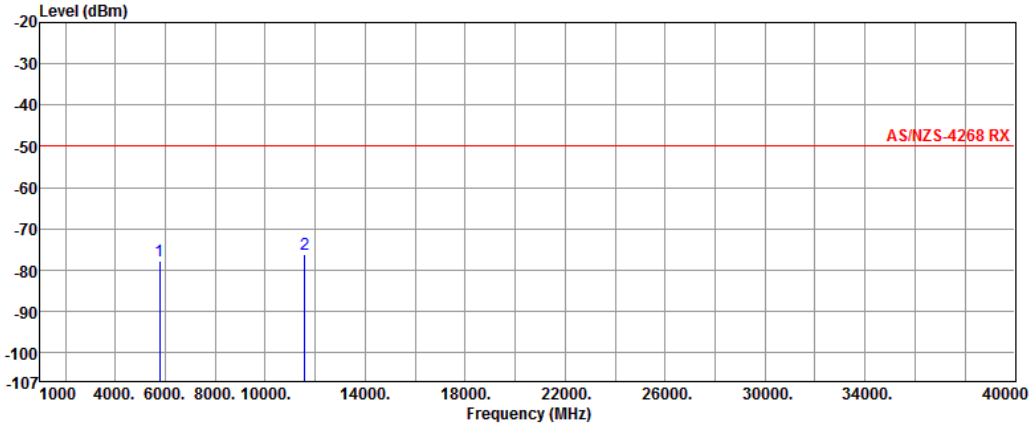
Modulation	11a	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5745.10	-79.32	-50.01	-29.31	0.00	-79.32
2	11490.10	-79.67	-50.01	-29.66	0.00	-79.67

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

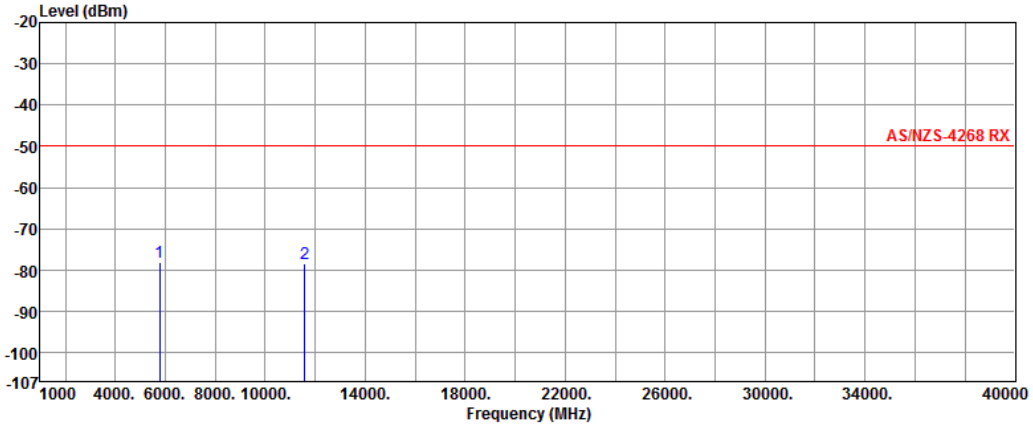
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5784.97	-77.92	-50.01	-27.91	0.00	-77.92
2	11570.04	-76.30	-50.01	-26.29	0.00	-76.30

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

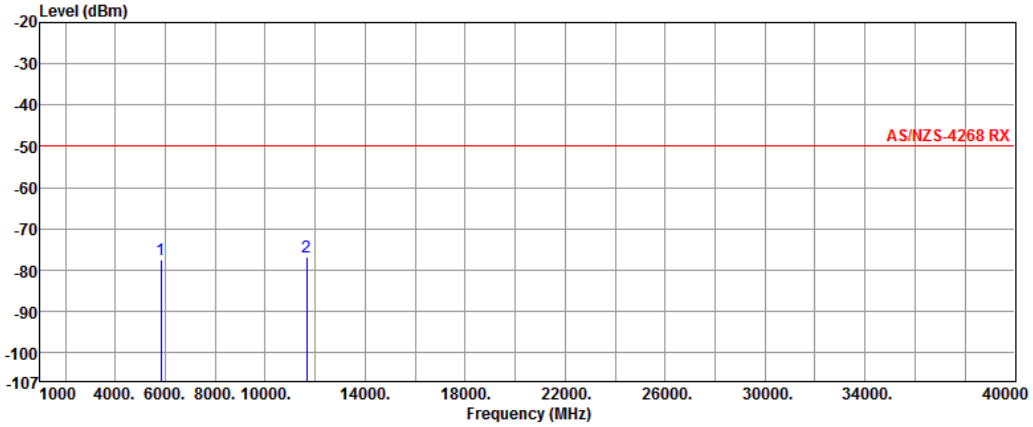
Modulation	11a	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5784.95	-78.14	-50.01	-28.13	0.00	-78.14
2	11570.11	-78.53	-50.01	-28.52	0.00	-78.53

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

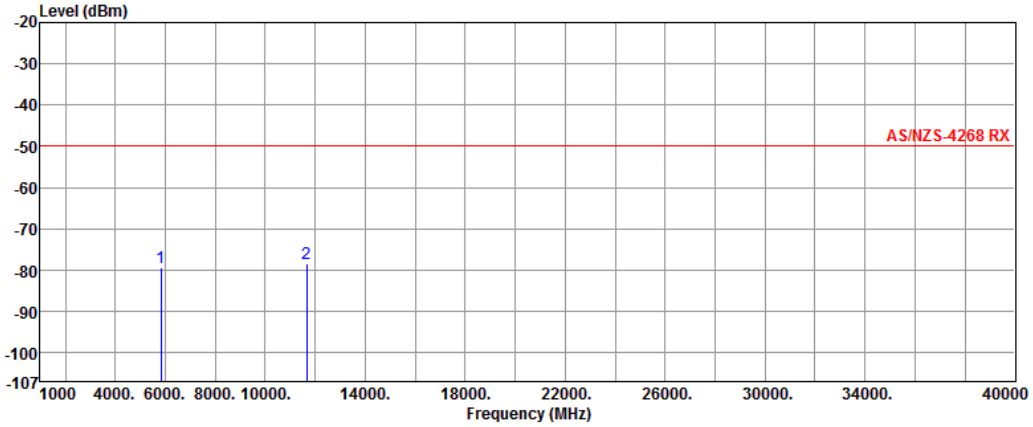
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5825.11	-77.39	-50.01	-27.38	0.00	-77.39
2	11649.76	-76.85	-50.01	-26.84	0.00	-76.85

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

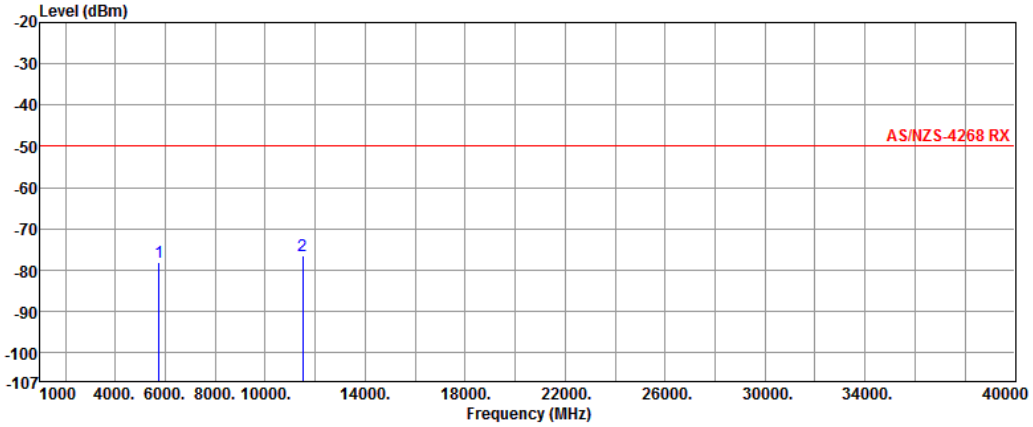
Modulation	11a	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5824.97	-79.31	-50.01	-29.30	0.00	-79.31
2	11650.07	-78.47	-50.01	-28.46	0.00	-78.47

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

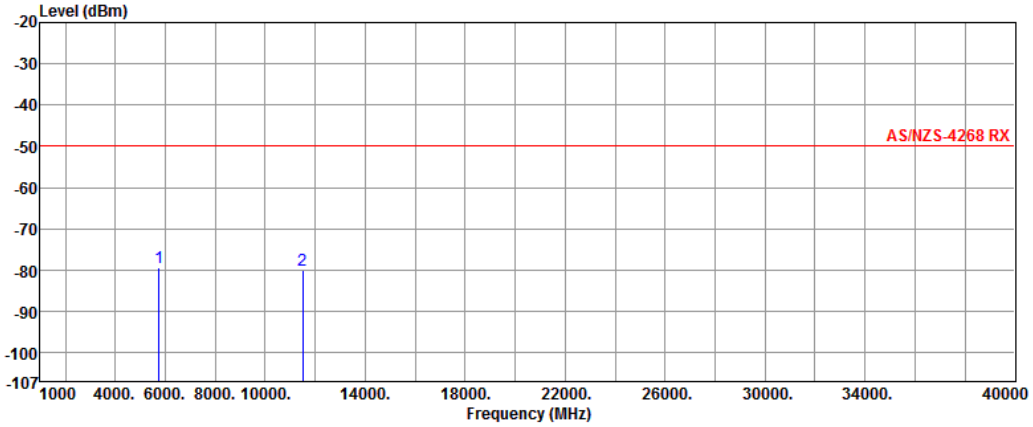
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5744.81	-77.96	-50.01	-27.95	0.00	-77.96
2	11490.66	-76.35	-50.01	-26.34	0.00	-76.35

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

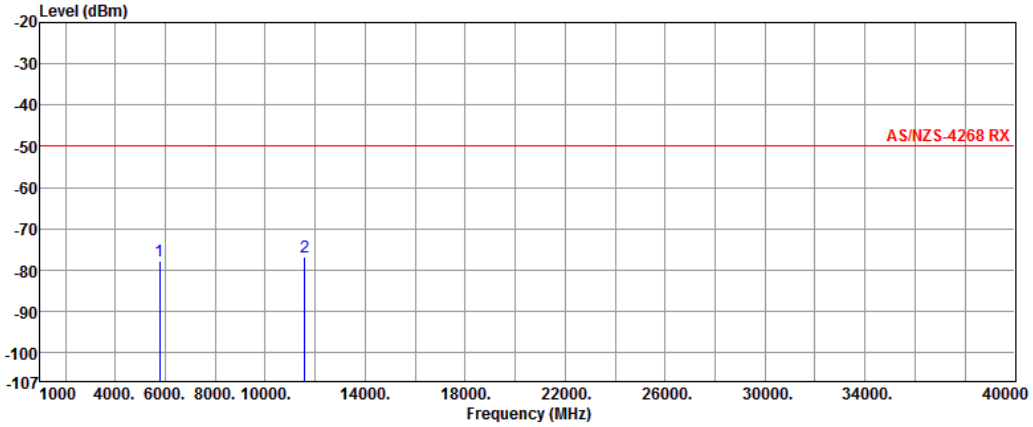
Modulation	VHT20	Test Freq. (MHz)	5745
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5745.46	-79.41	-50.01	-29.40	0.00	-79.41
2	11490.87	-79.95	-50.01	-29.94	0.00	-79.95

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

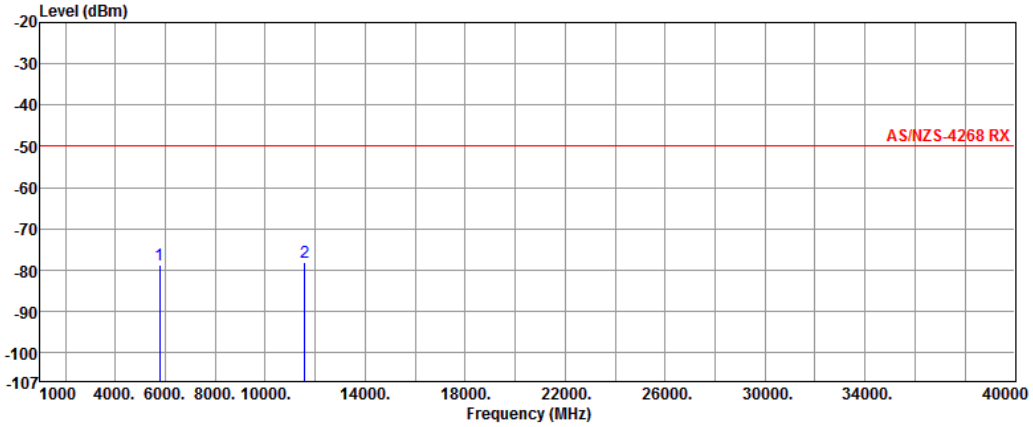
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5784.49	-77.71	-50.01	-27.70	0.00	-77.71
2	11570.65	-76.71	-50.01	-26.70	0.00	-76.71

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

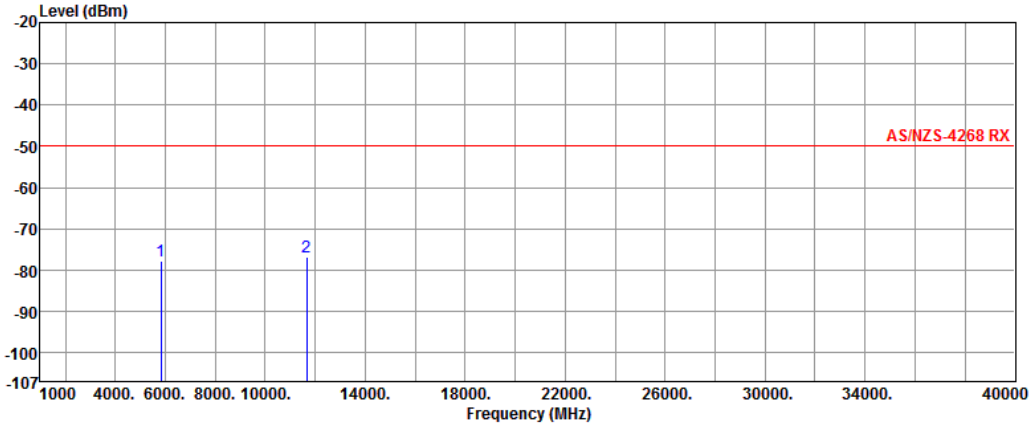
Modulation	VHT20	Test Freq. (MHz)	5785
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5784.81	-78.71	-50.01	-28.70	0.00	-78.71
2	11570.33	-78.19	-50.01	-28.18	0.00	-78.19

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

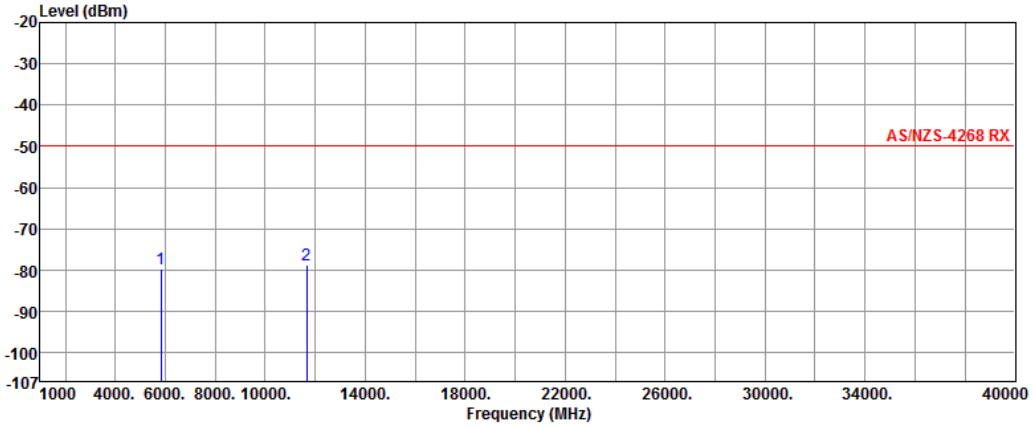
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5825.34	-77.81	-50.01	-27.80	0.00	-77.81
2	11649.89	-76.77	-50.01	-26.76	0.00	-76.77

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

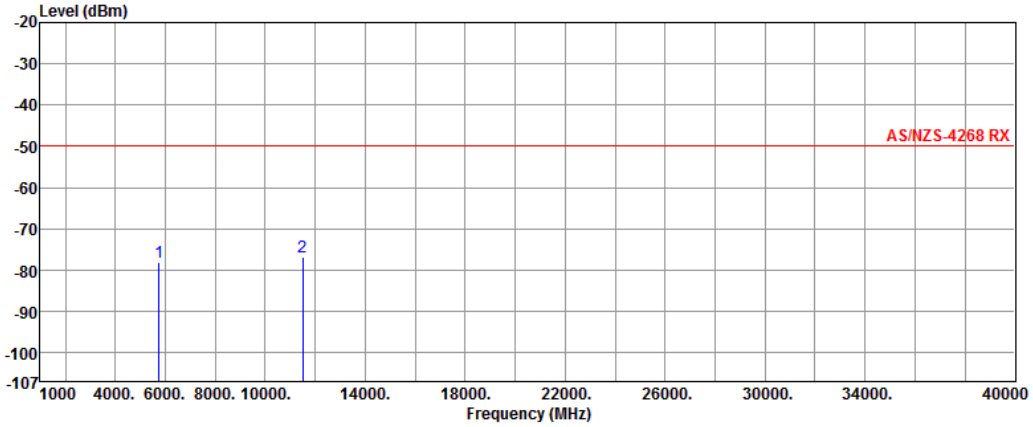
Modulation	VHT20	Test Freq. (MHz)	5825
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5825.00	-79.71	-50.01	-29.70	0.00	-79.71
2	11650.67	-78.78	-50.01	-28.77	0.00	-78.78

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

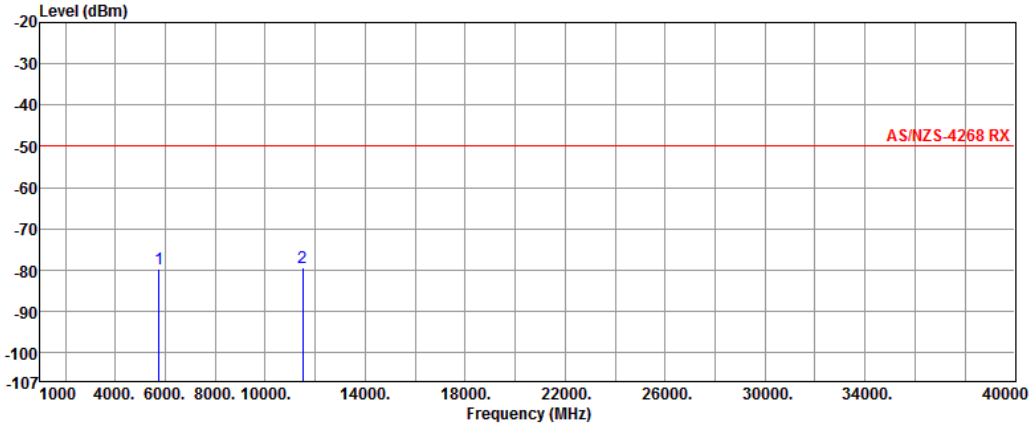
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5754.80	-78.04	-50.01	-28.03	0.00	-78.04
2	11509.91	-76.78	-50.01	-26.77	0.00	-76.78

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

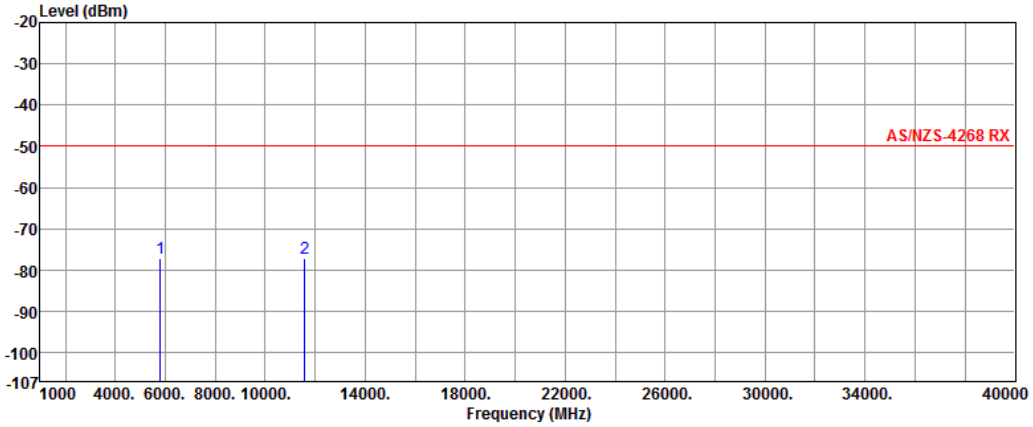
Modulation	VHT40	Test Freq. (MHz)	5755
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5754.89	-79.70	-50.01	-29.69	0.00	-79.70
2	11510.21	-79.40	-50.01	-29.39	0.00	-79.40

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

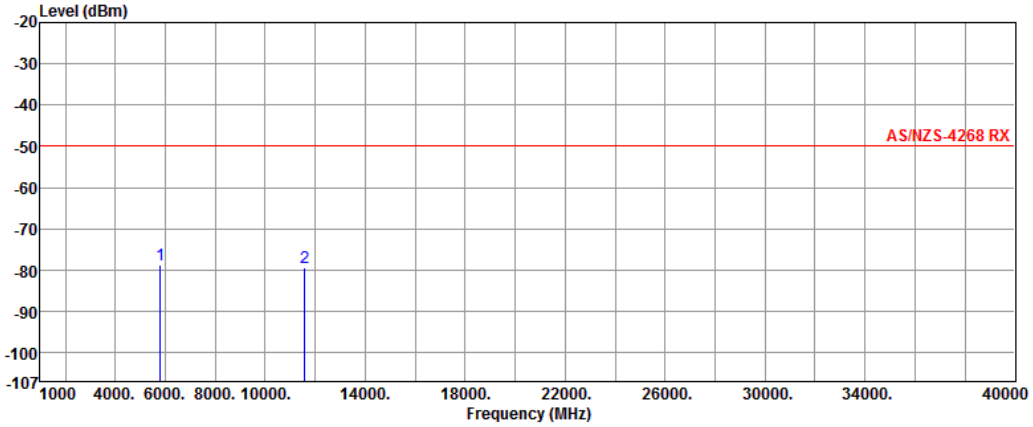
Modulation	VHT40	Test Freq. (MHz)	5795
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5795.00	-77.16	-50.01	-27.15	0.00	-77.16
2	11589.72	-77.18	-50.01	-27.17	0.00	-77.18

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

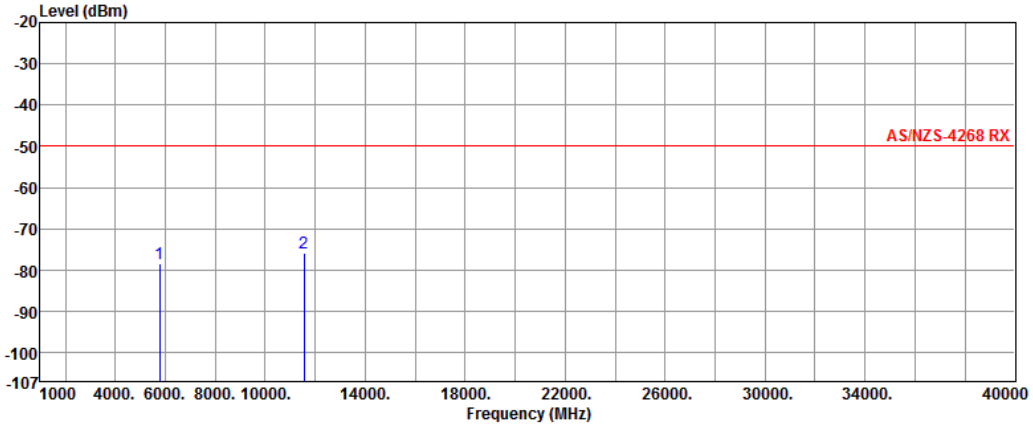
Modulation	VHT40	Test Freq. (MHz)	5795
Antenna Port	1		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5794.89	-78.59	-50.01	-28.58	0.00	-78.59
2	11590.21	-79.41	-50.01	-29.40	0.00	-79.41

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

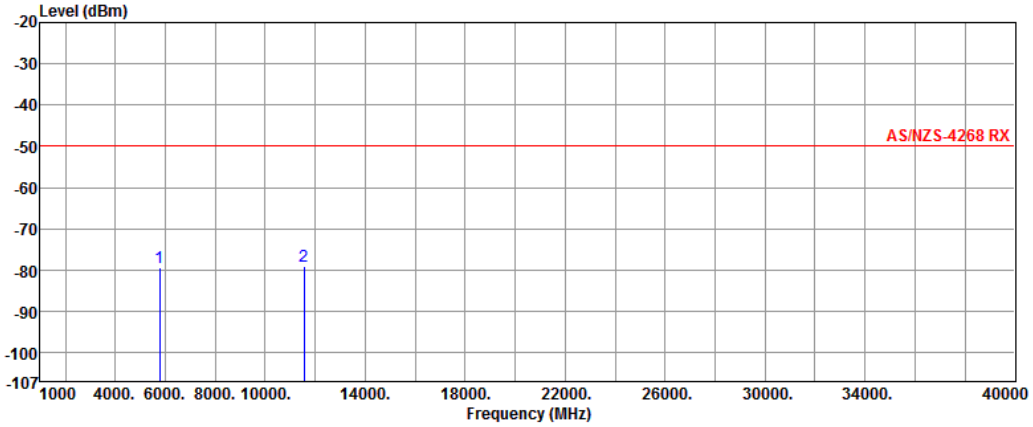
Modulation	VHT80	Test Freq. (MHz)	5775
Antenna Port	0		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5774.83	-78.34	-50.01	-28.33	0.00	-78.34
2	11549.73	-75.94	-50.01	-25.93	0.00	-75.94

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

Modulation	VHT80	Test Freq. (MHz)	5775
Antenna Port	1		

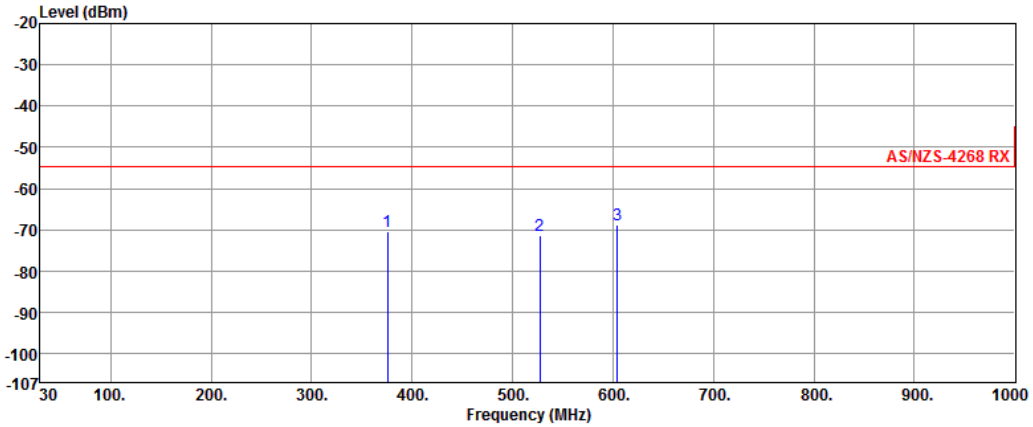


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5775.20	-79.25	-50.01	-29.24	0.00	-79.25
2	11549.88	-79.08	-50.01	-29.07	0.00	-79.08

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

4.1.7 Receiver Radiated Spurious Emissions (Below 1GHz)

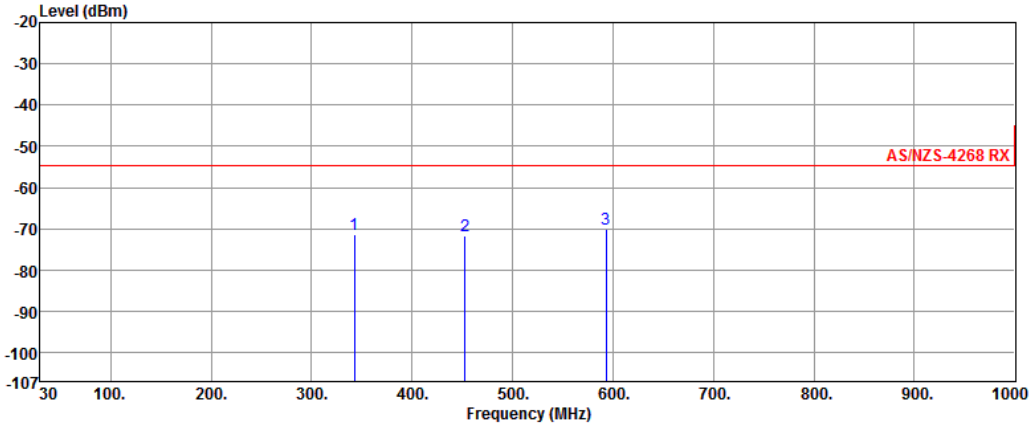
Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.66	-70.55	-57.00	-13.55	-0.22	-70.33
2	527.32	-71.22	-57.00	-14.22	3.11	-74.33
3	604.67	-68.72	-57.00	-11.72	8.59	-77.31

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

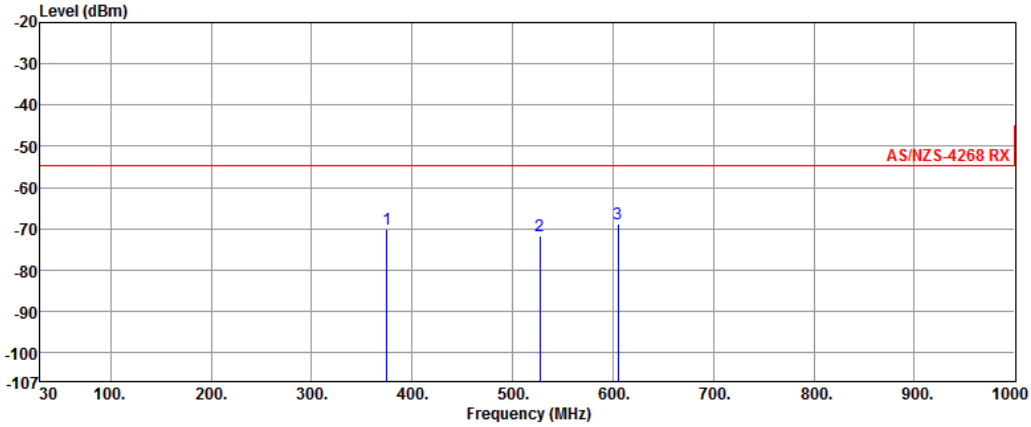
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.67	-71.35	-57.00	-14.35	-0.87	-70.48
2	452.82	-71.68	-57.00	-14.68	2.02	-73.70
3	593.00	-70.21	-57.00	-13.21	5.16	-75.37

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

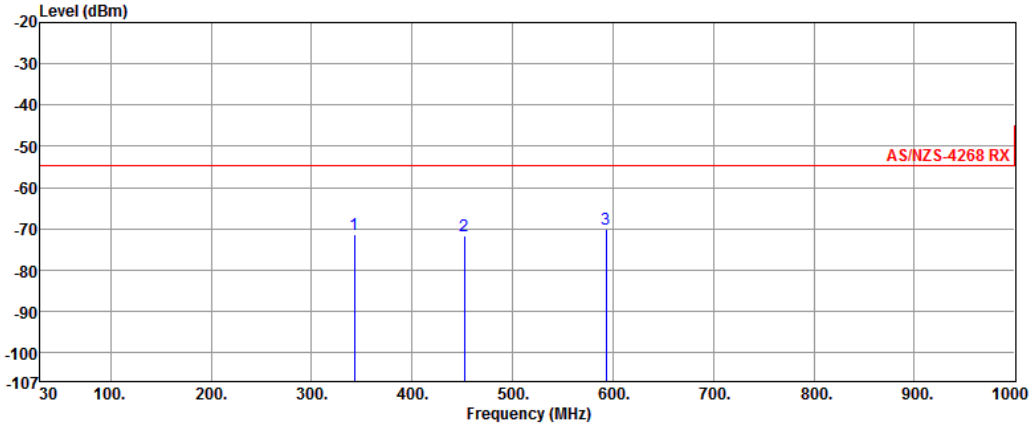
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.12	-70.22	-57.00	-13.22	-0.24	-69.98
2	527.34	-71.71	-57.00	-14.71	3.11	-74.82
3	604.92	-68.71	-57.00	-11.71	8.76	-77.47

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

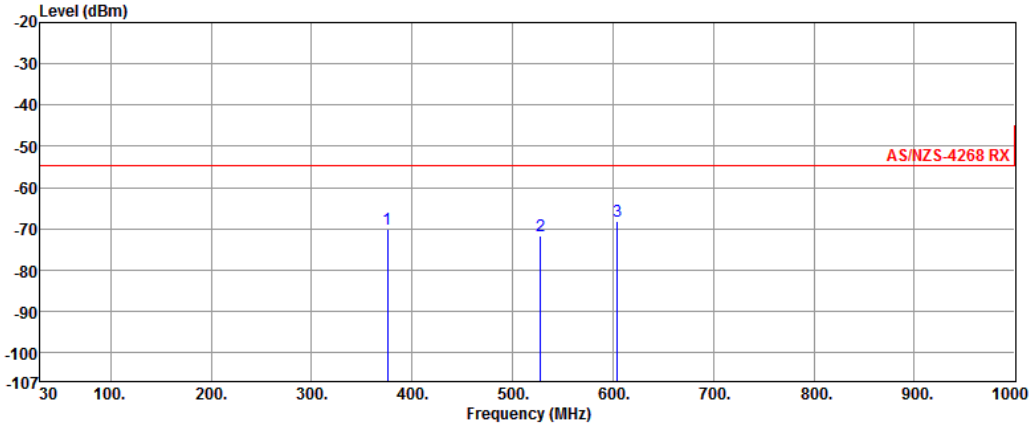
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.68	-71.51	-57.00	-14.51	-0.87	-70.64
2	452.01	-71.78	-57.00	-14.78	2.01	-73.79
3	592.95	-70.23	-57.00	-13.23	5.16	-75.39

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

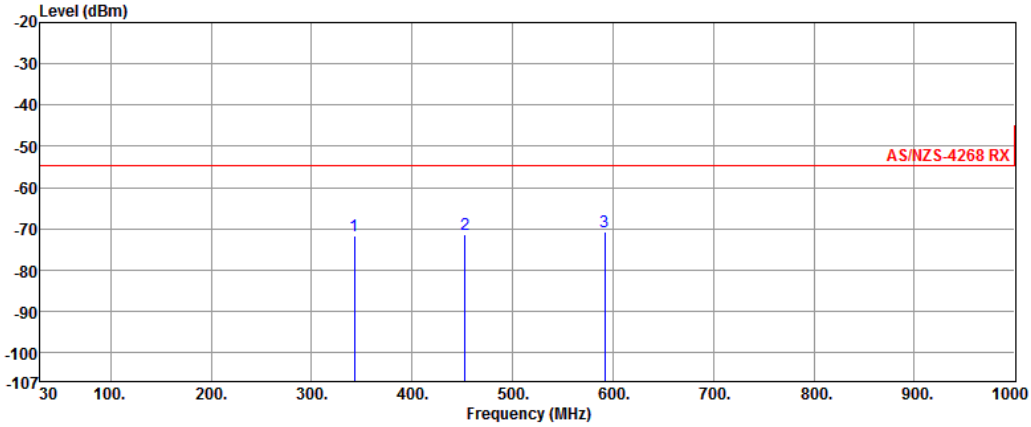
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.61	-70.22	-57.00	-13.22	-0.23	-69.99
2	527.68	-71.82	-57.00	-14.82	3.13	-74.95
3	604.36	-68.14	-57.00	-11.14	8.37	-76.51

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

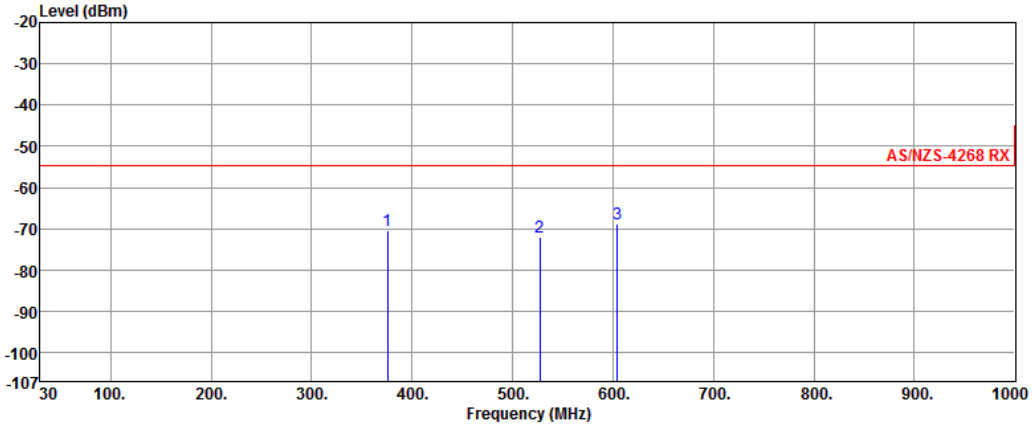
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.51	-71.72	-57.00	-14.72	-0.87	-70.85
2	452.67	-71.34	-57.00	-14.34	2.02	-73.36
3	592.04	-70.73	-57.00	-13.73	5.13	-75.86

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

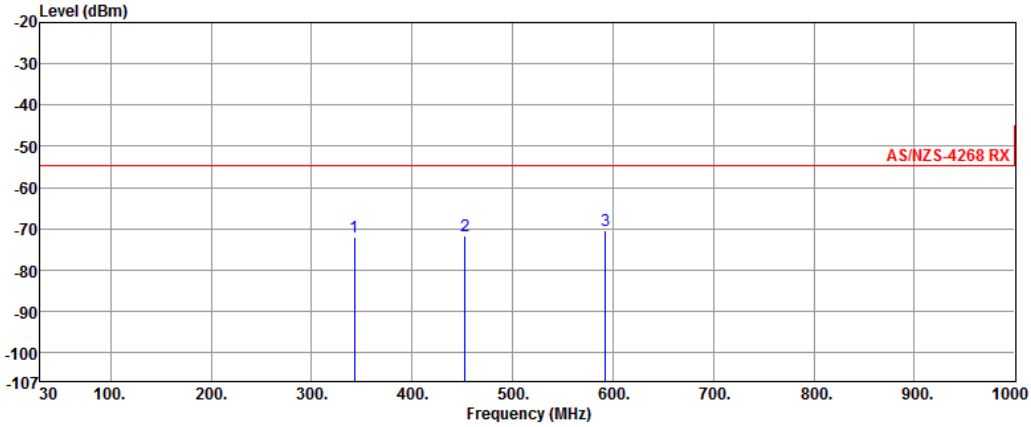
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.69	-70.31	-57.00	-13.31	-0.22	-70.09
2	527.18	-71.93	-57.00	-14.93	3.11	-75.04
3	604.21	-68.73	-57.00	-11.73	8.27	-77.00

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

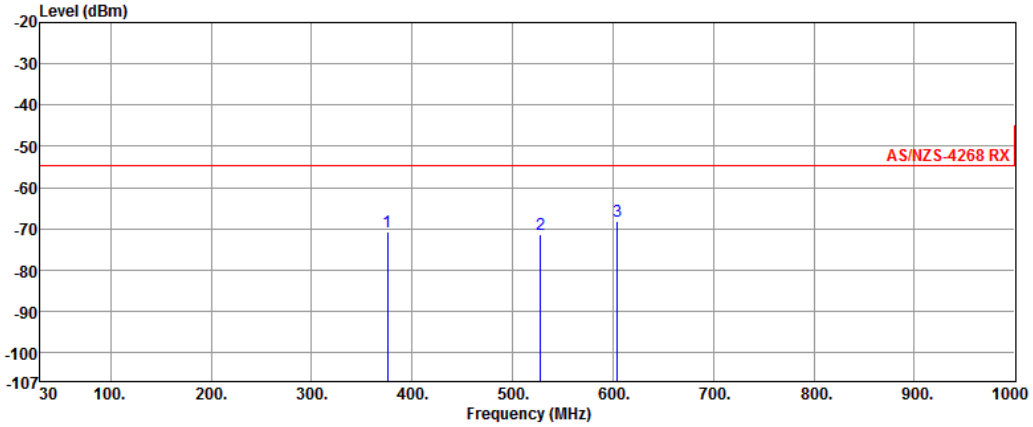
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.41	-71.94	-57.00	-14.94	-0.87	-71.07
2	452.65	-71.81	-57.00	-14.81	2.02	-73.83
3	592.34	-70.54	-57.00	-13.54	5.14	-75.68

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

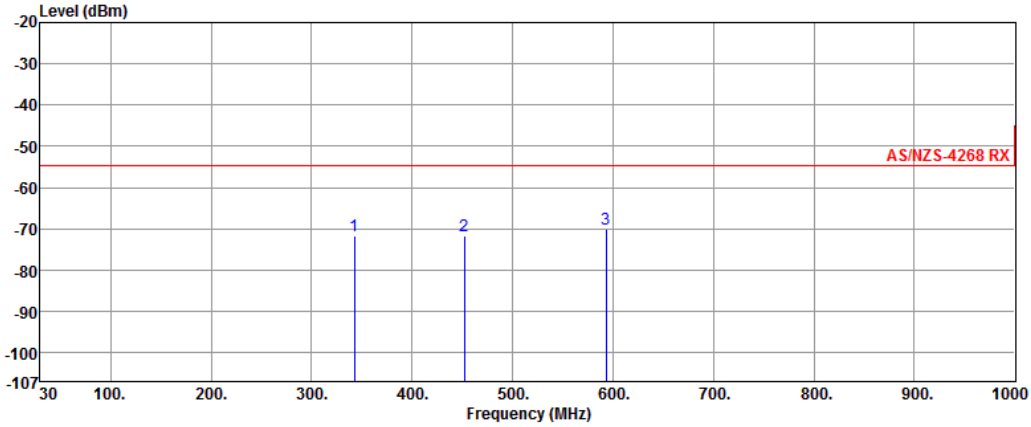
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.58	-70.71	-57.00	-13.71	-0.23	-70.48
2	527.62	-71.31	-57.00	-14.31	3.12	-74.43
3	604.65	-68.23	-57.00	-11.23	8.57	-76.80

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

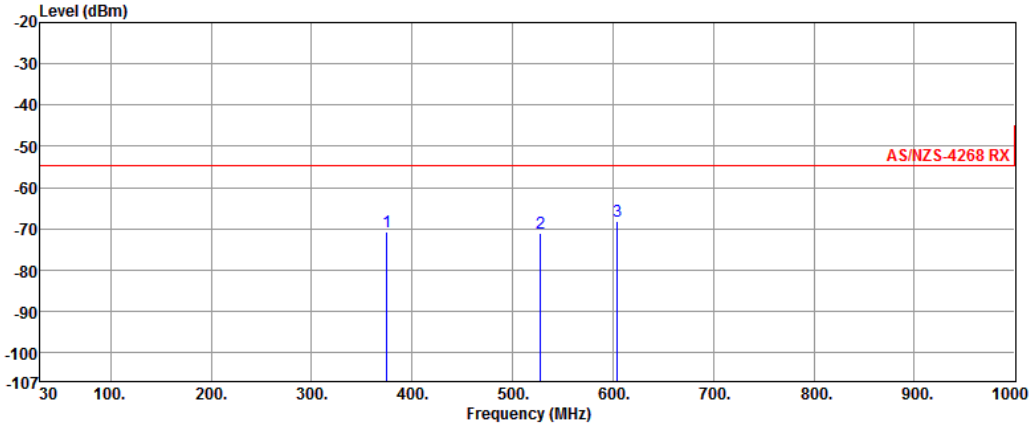
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.67	-71.82	-57.00	-14.82	-0.87	-70.95
2	452.34	-71.68	-57.00	-14.68	2.02	-73.70
3	593.00	-70.18	-57.00	-13.18	5.16	-75.34

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

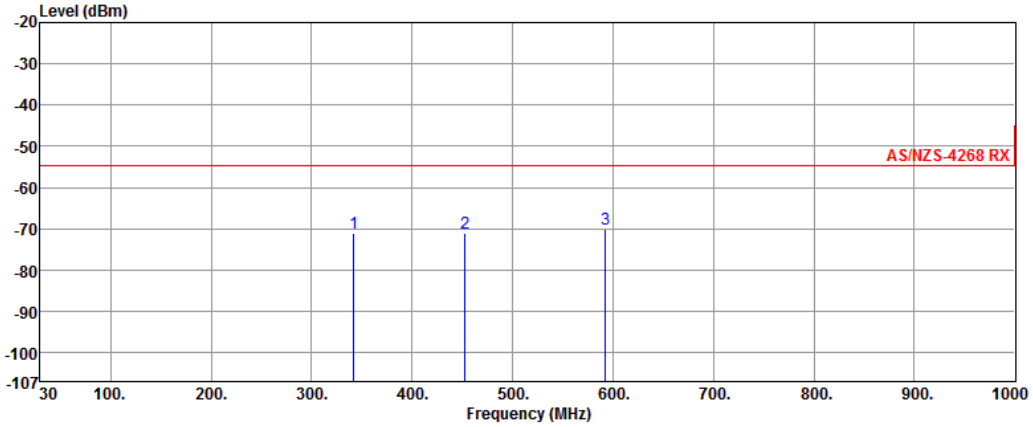
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.07	-70.67	-57.00	-13.67	-0.25	-70.42
2	528.00	-71.17	-57.00	-14.17	3.14	-74.31
3	604.65	-68.15	-57.00	-11.15	8.57	-76.72

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

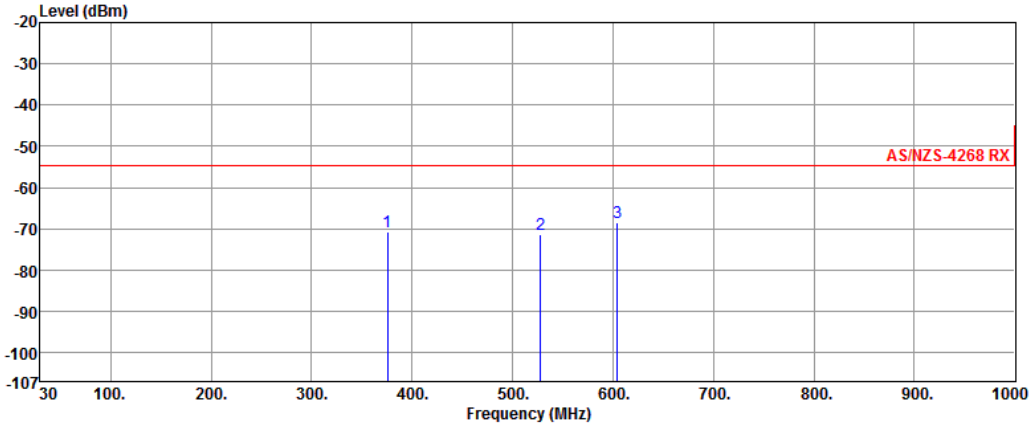
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.01	-71.18	-57.00	-14.18	-0.86	-70.32
2	452.55	-71.10	-57.00	-14.10	2.02	-73.12
3	592.38	-70.01	-57.00	-13.01	5.15	-75.16

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

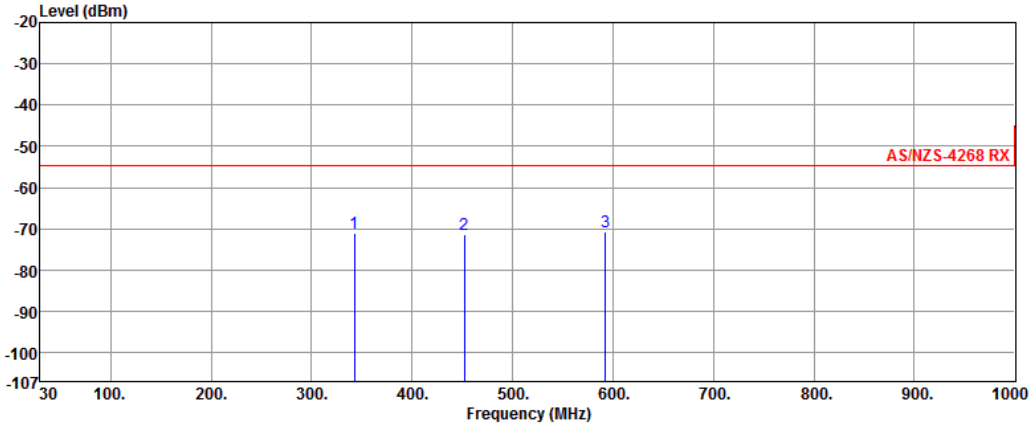
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.34	-70.80	-57.00	-13.80	-0.24	-70.56
2	527.67	-71.41	-57.00	-14.41	3.13	-74.54
3	604.67	-68.51	-57.00	-11.51	8.59	-77.10

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

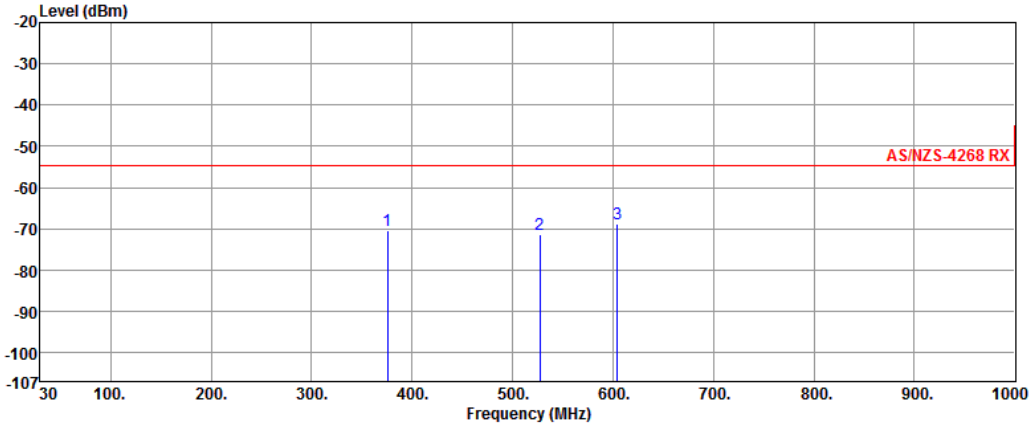
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.67	-71.20	-57.00	-14.20	-0.87	-70.33
2	452.32	-71.41	-57.00	-14.41	2.02	-73.43
3	592.65	-70.71	-57.00	-13.71	5.15	-75.86

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

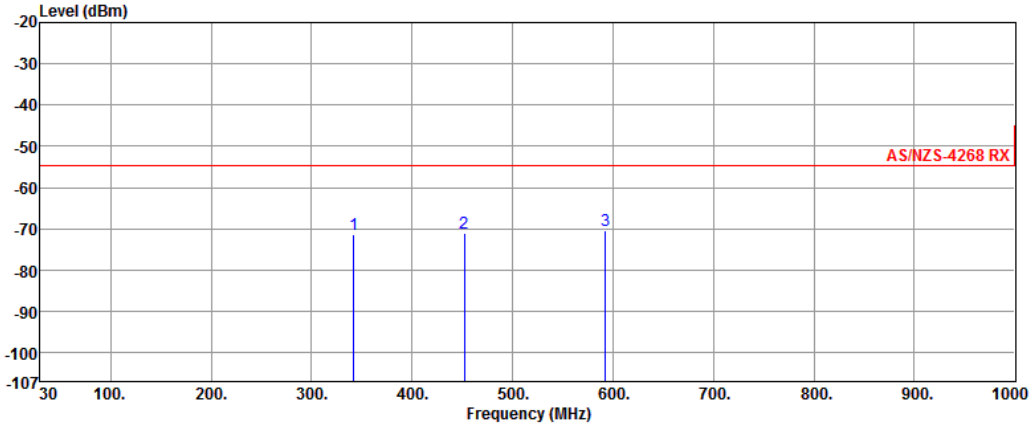
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.56	-70.40	-57.00	-13.40	-0.23	-70.17
2	527.22	-71.37	-57.00	-14.37	3.11	-74.48
3	604.62	-68.95	-57.00	-11.95	8.55	-77.50

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

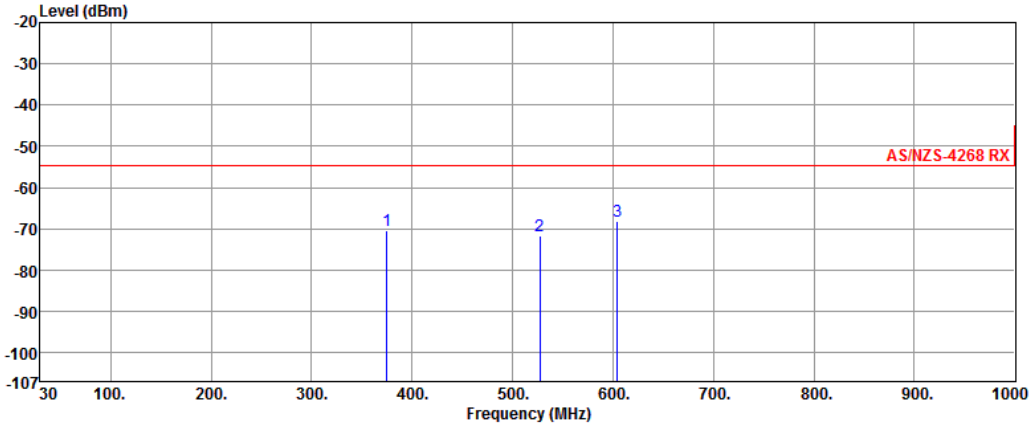
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.01	-71.21	-57.00	-14.21	-0.86	-70.35
2	452.35	-71.12	-57.00	-14.12	2.02	-73.14
3	592.47	-70.38	-57.00	-13.38	5.15	-75.53

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

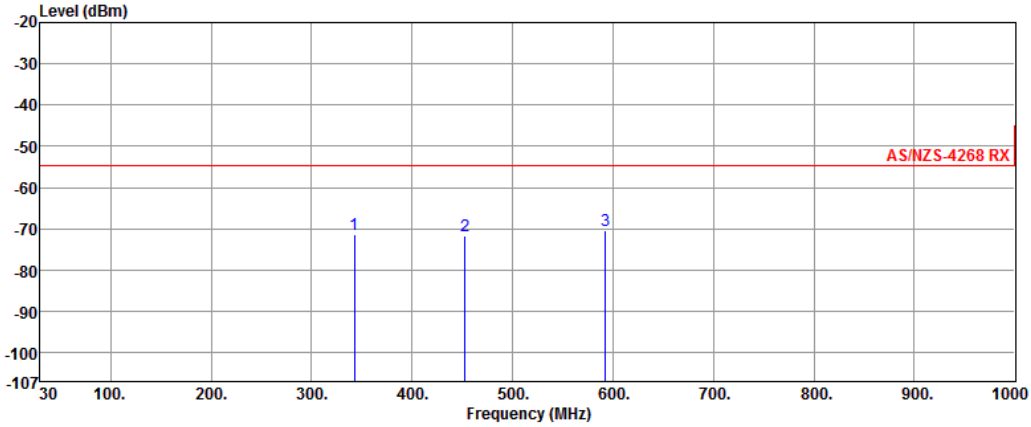
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	375.17	-70.34	-57.00	-13.34	-0.24	-70.10
2	527.14	-71.66	-57.00	-14.66	3.10	-74.76
3	604.67	-68.17	-57.00	-11.17	8.59	-76.76

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		

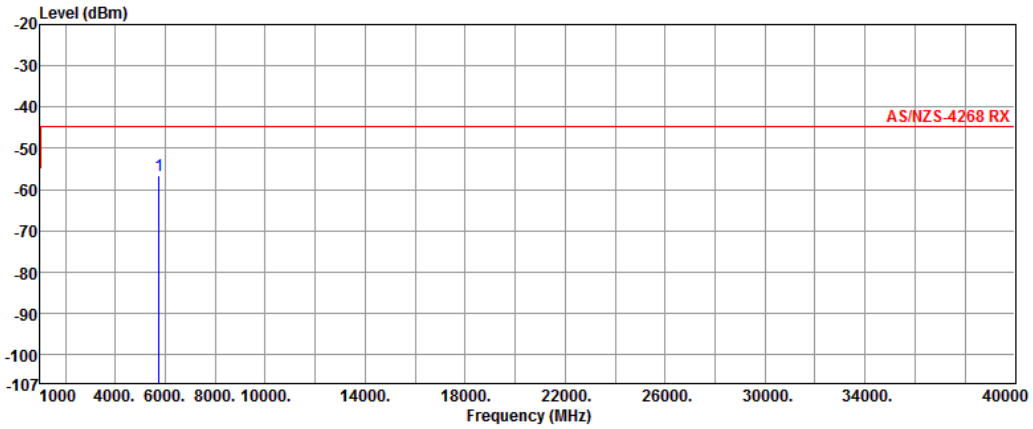


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	342.73	-71.31	-57.00	-14.31	-0.87	-70.44
2	452.92	-71.66	-57.00	-14.66	2.02	-73.68
3	592.72	-70.43	-57.00	-13.43	5.15	-75.58

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

4.1.8 Receiver Radiated Spurious Emissions (Above 1GHz)

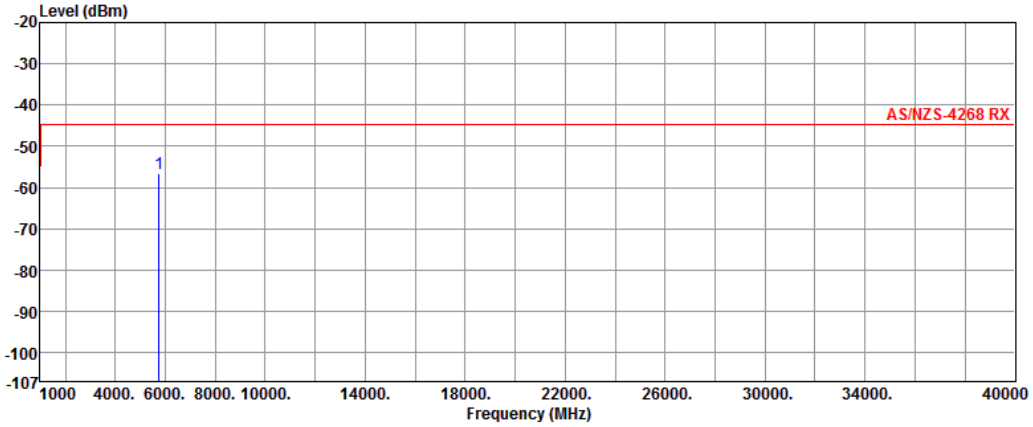
Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5744.73	-56.55	-47.00	-9.55	11.24	-67.79

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

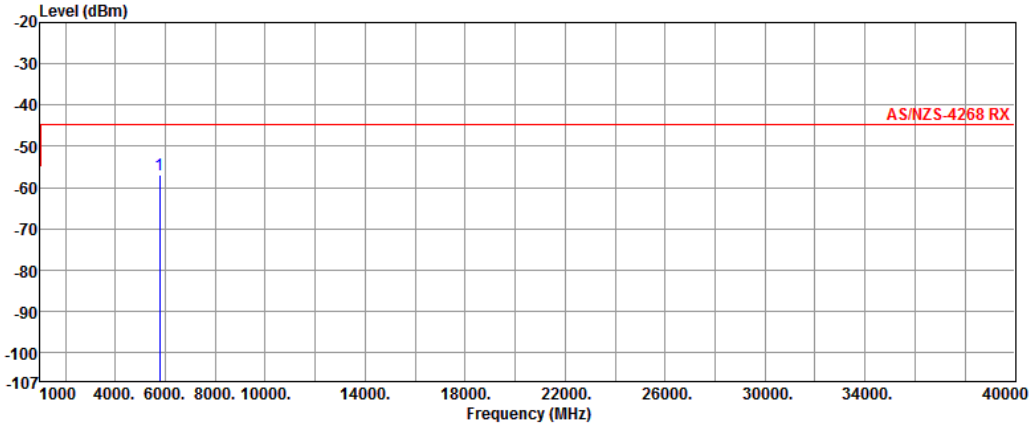
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5745.30	-56.74	-47.00	-9.74	11.39	-68.13

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

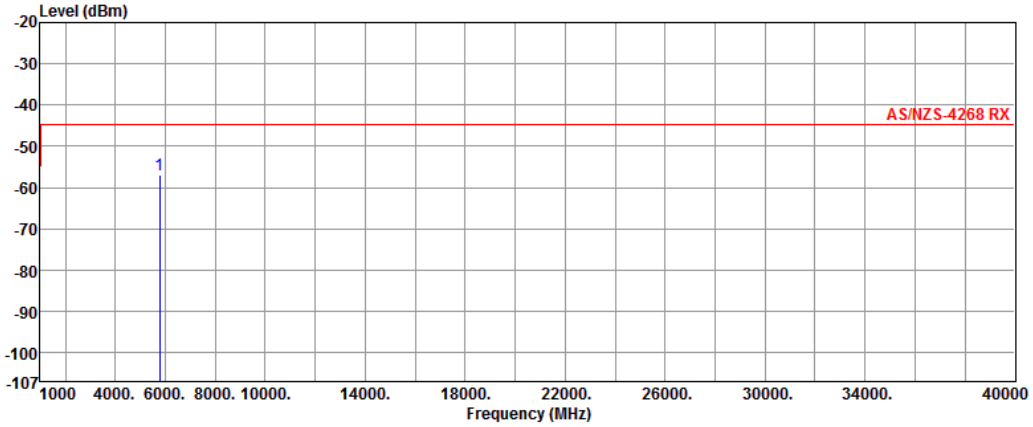
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5785.14	-57.00	-47.00	-10.00	11.20	-68.20

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

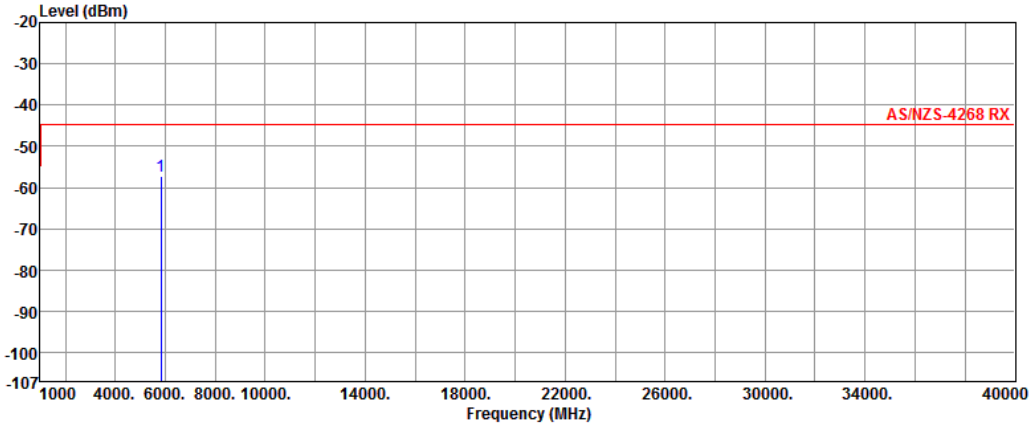
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5784.90	-56.88	-47.00	-9.88	11.33	-68.21

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

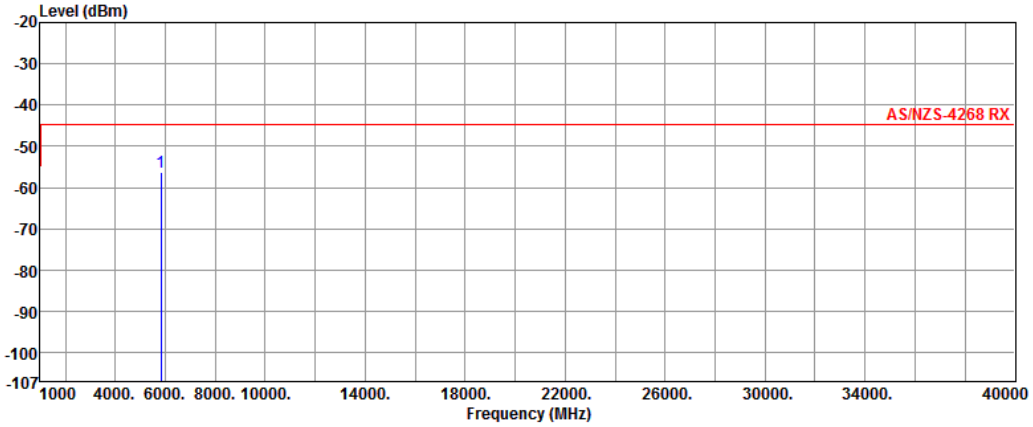
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5824.83	-57.29	-47.00	-10.29	11.13	-68.42

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

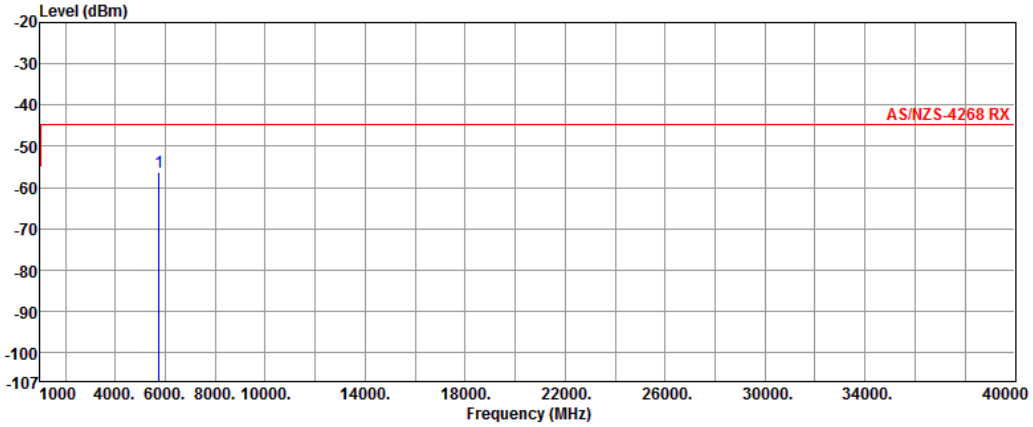
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5824.54	-56.28	-47.00	-9.28	11.20	-67.48

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

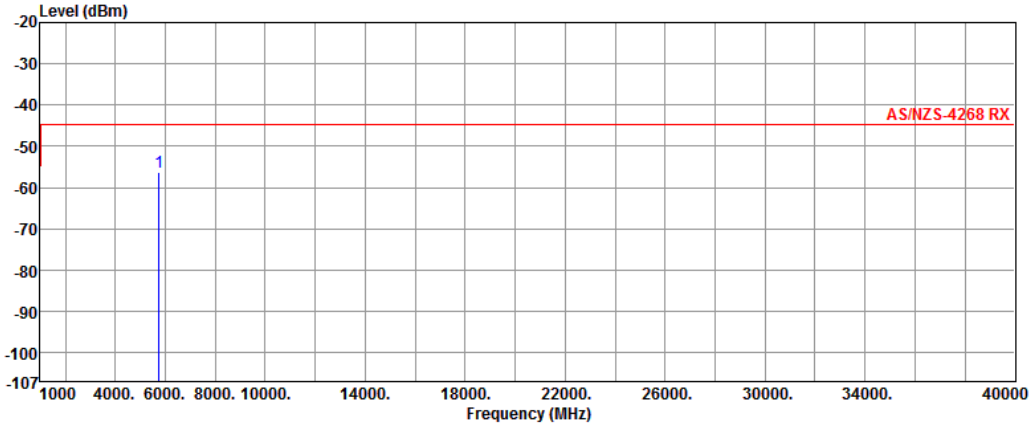
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5745.53	-56.23	-47.00	-9.23	11.24	-67.47

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

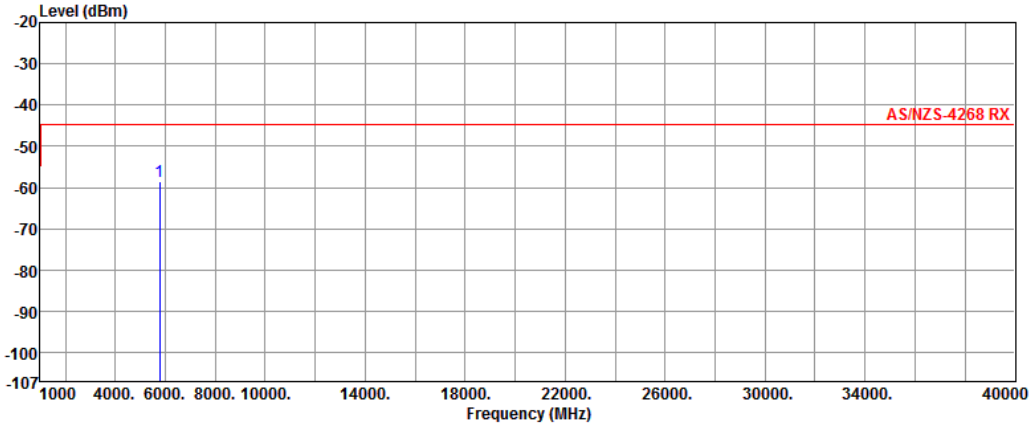
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5744.94	-56.27	-47.00	-9.27	11.39	-67.66

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

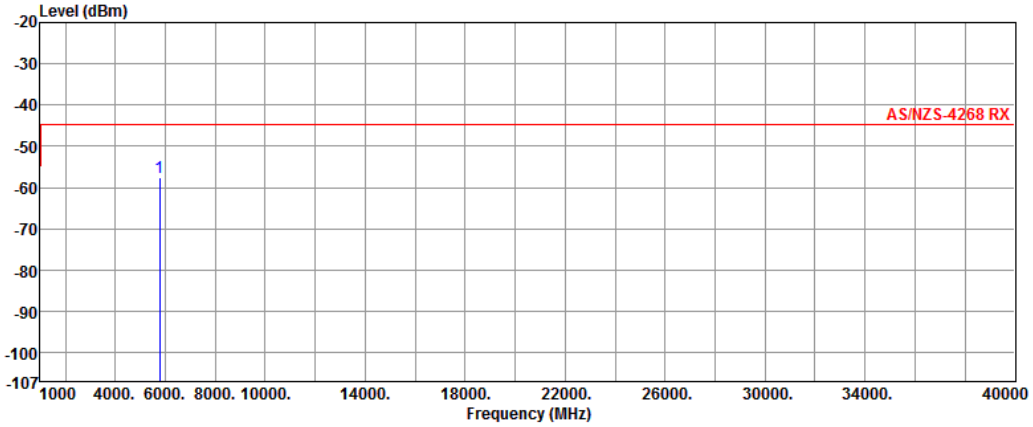
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5785.54	-58.68	-47.00	-11.68	11.20	-69.88

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

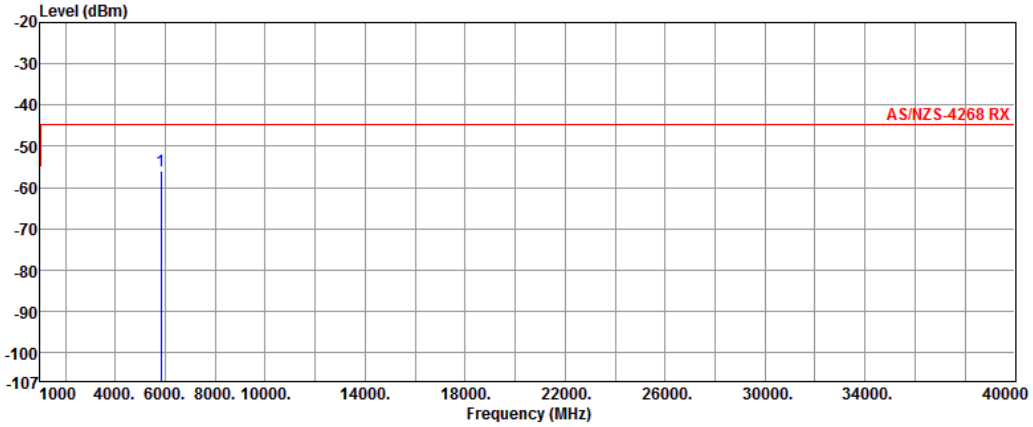
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5784.86	-57.64	-47.00	-10.64	11.33	-68.97

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

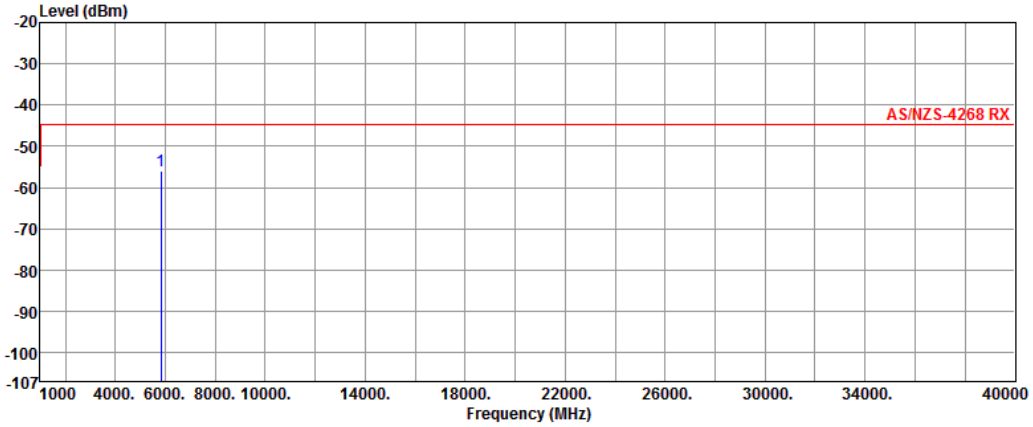
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5825.99	-56.03	-47.00	-9.03	11.13	-67.16

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

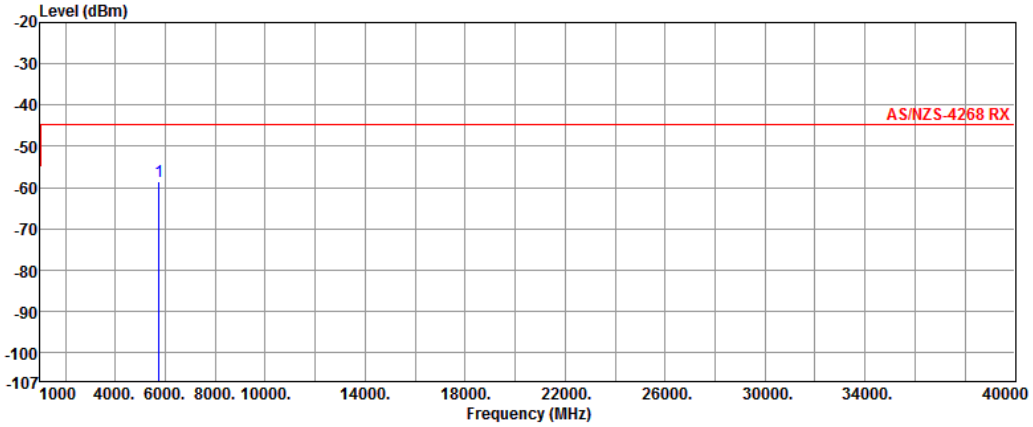
Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5824.56	-55.97	-47.00	-8.97	11.20	-67.17

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

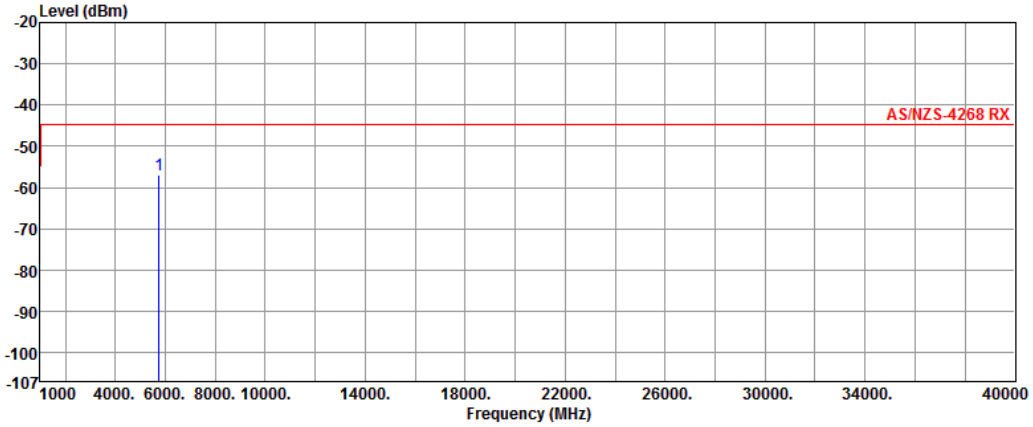
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5755.17	-58.66	-47.00	-11.66	11.24	-69.90

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

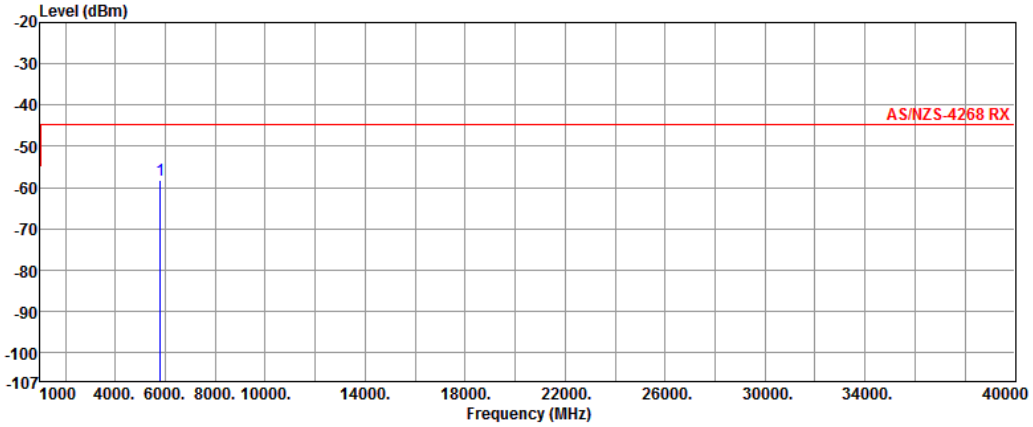
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5754.84	-56.97	-47.00	-9.97	11.38	-68.35

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

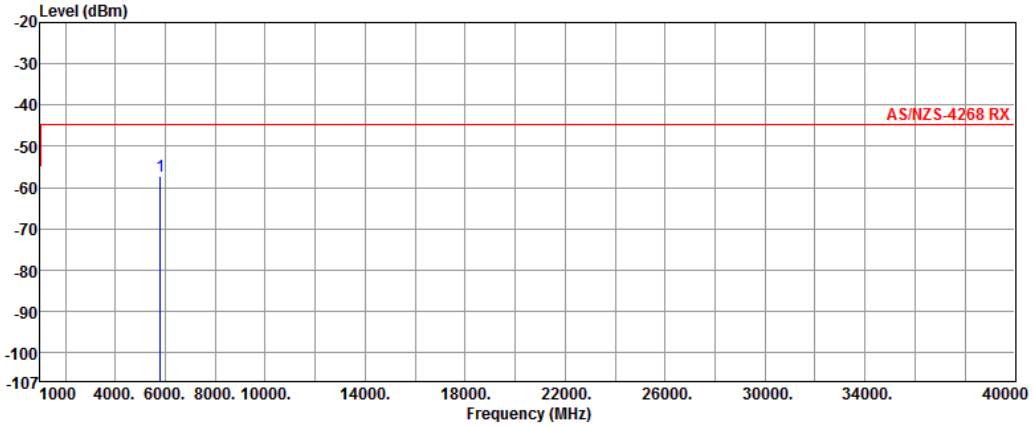
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5795.47	-58.04	-47.00	-11.04	11.19	-69.23

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

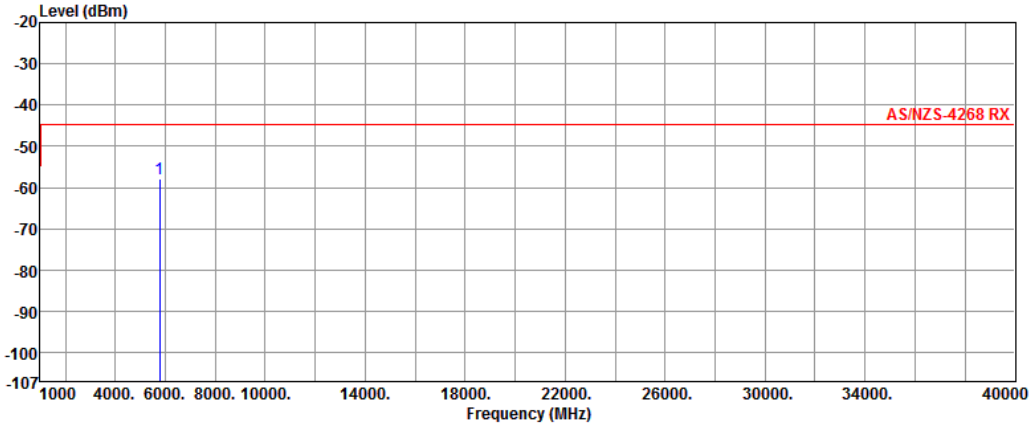
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5794.61	-57.16	-47.00	-10.16	11.32	-68.48

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

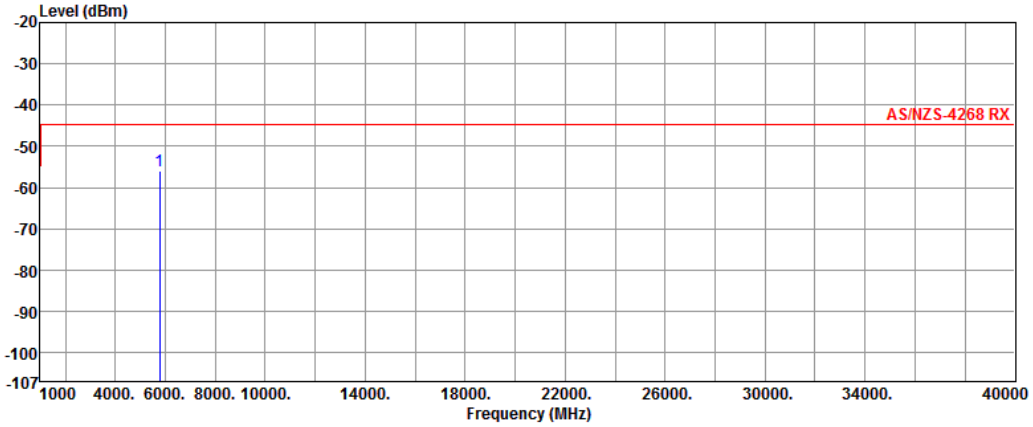
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5774.64	-58.03	-47.00	-11.03	11.22	-69.25

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		

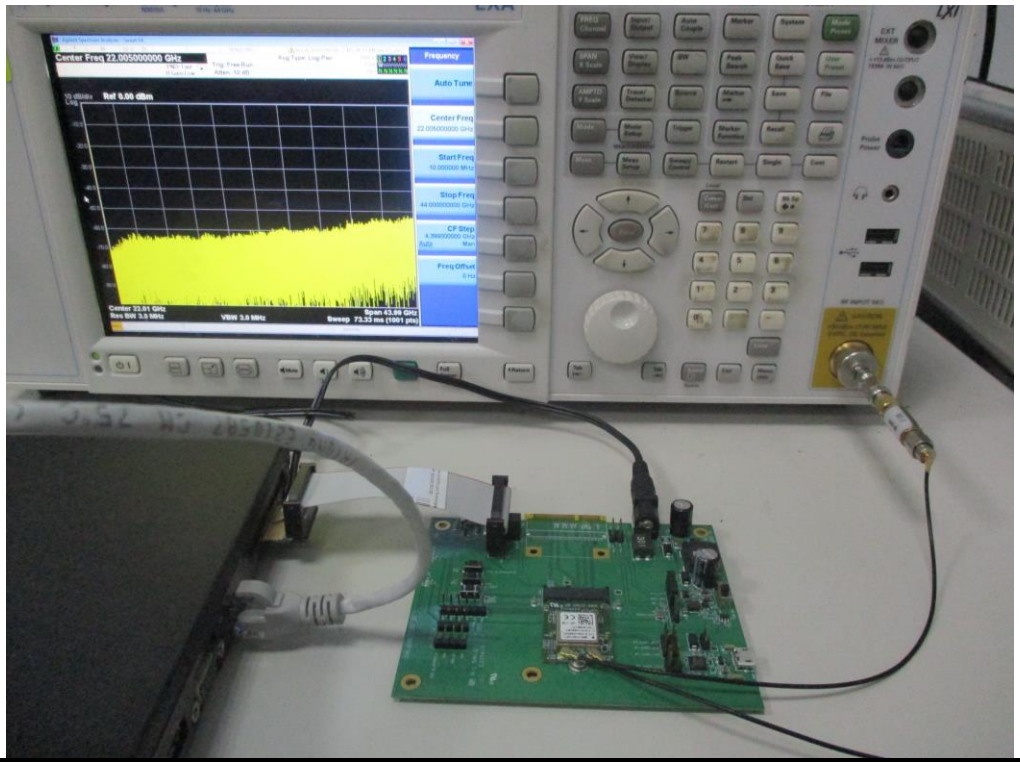


	Freq.	Measured value	Limit	Margin	Factor	Reading
	MHz	dBm	dBm	dB	dB	dBm
1	5775.61	-55.88	-47.00	-8.88	11.35	-67.23

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

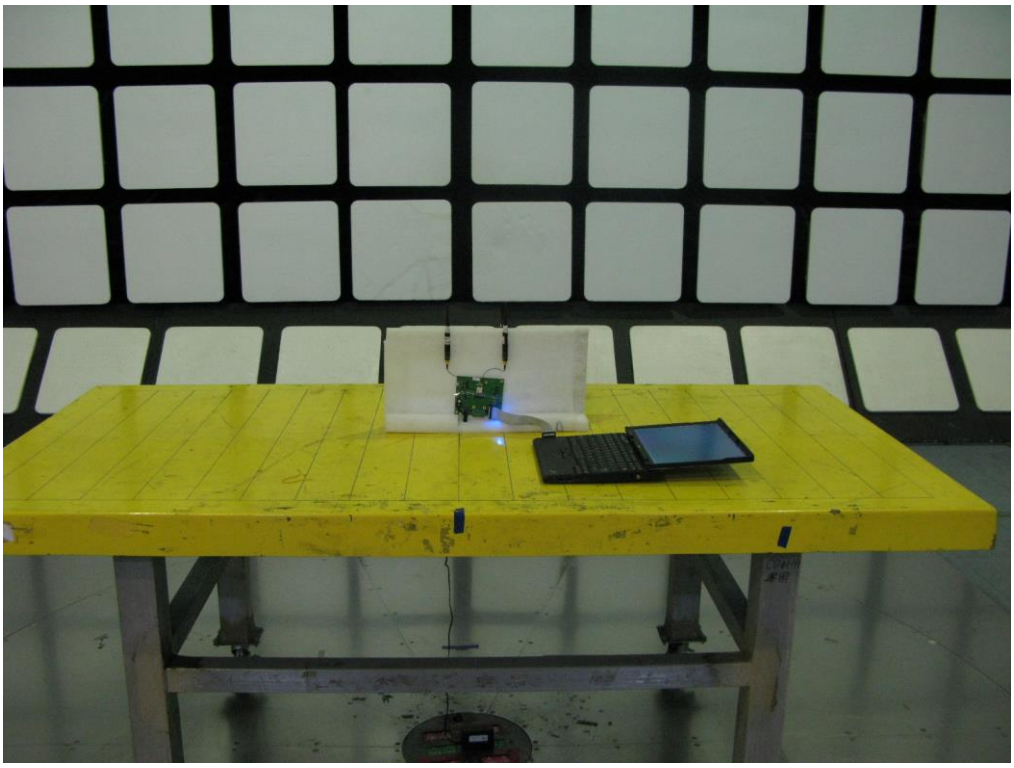
5 Photographs of the Test Configuration

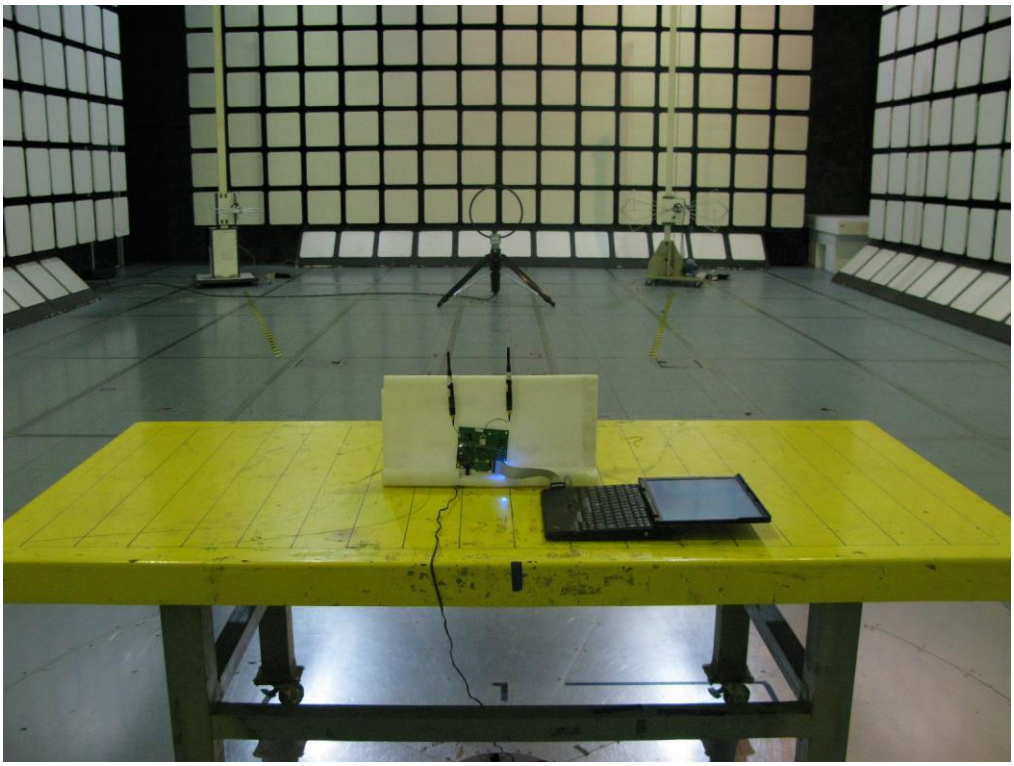
Conducted Spurious Emission Test



Configuration 1 : Dipole Antenna

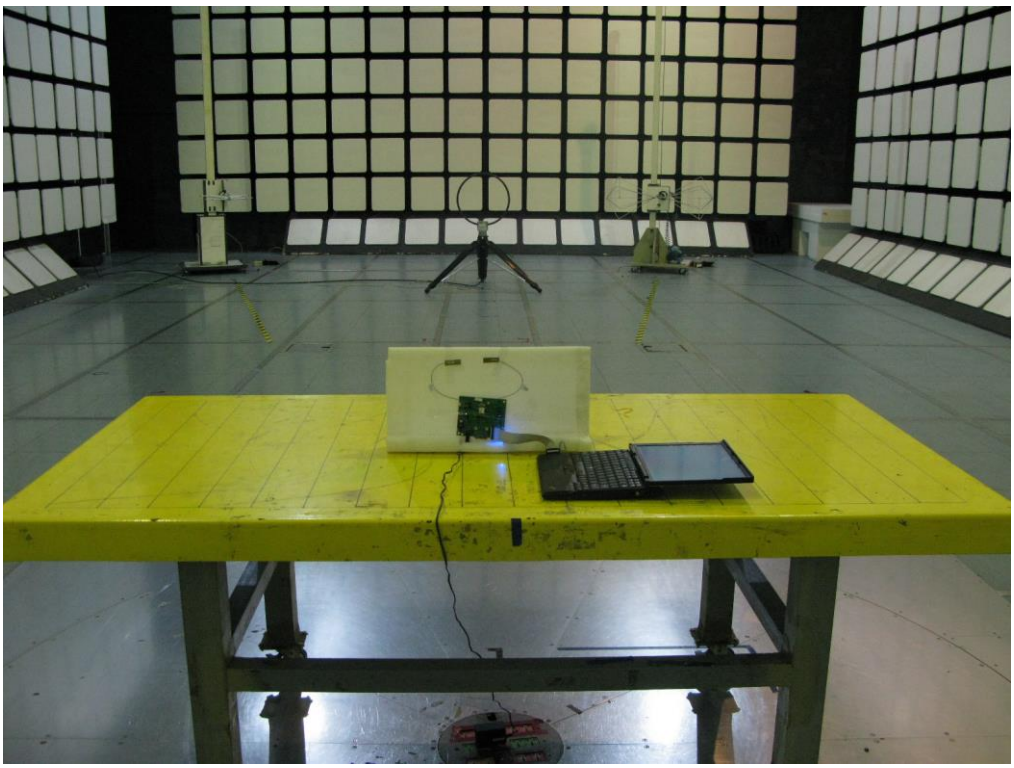
Spurious Emission Test below 30MHz





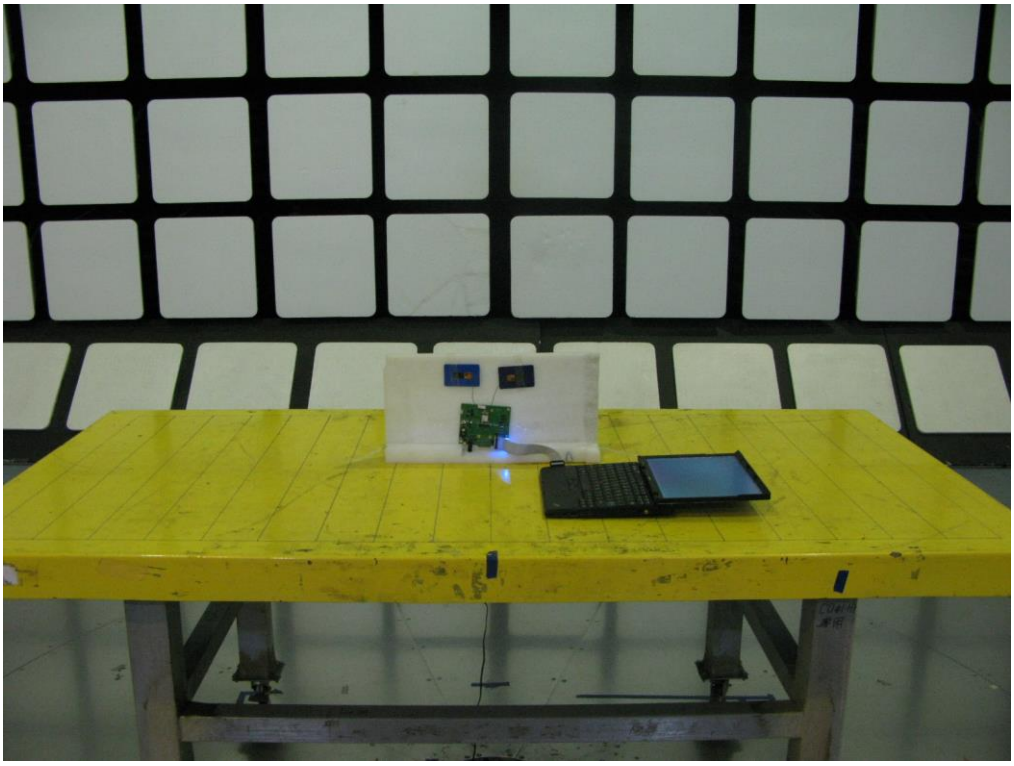
Configuration 2 : PCB Dipole Antenna

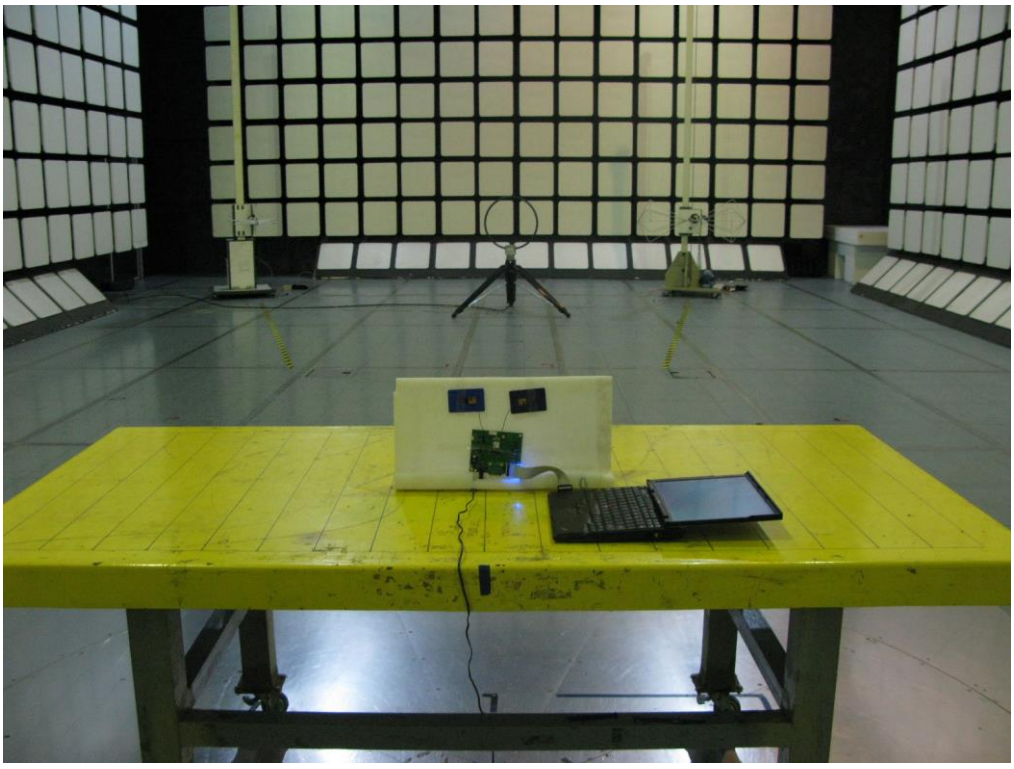
Spurious Emission Test below 30MHz



Configuration 3 : PIFA Antenna

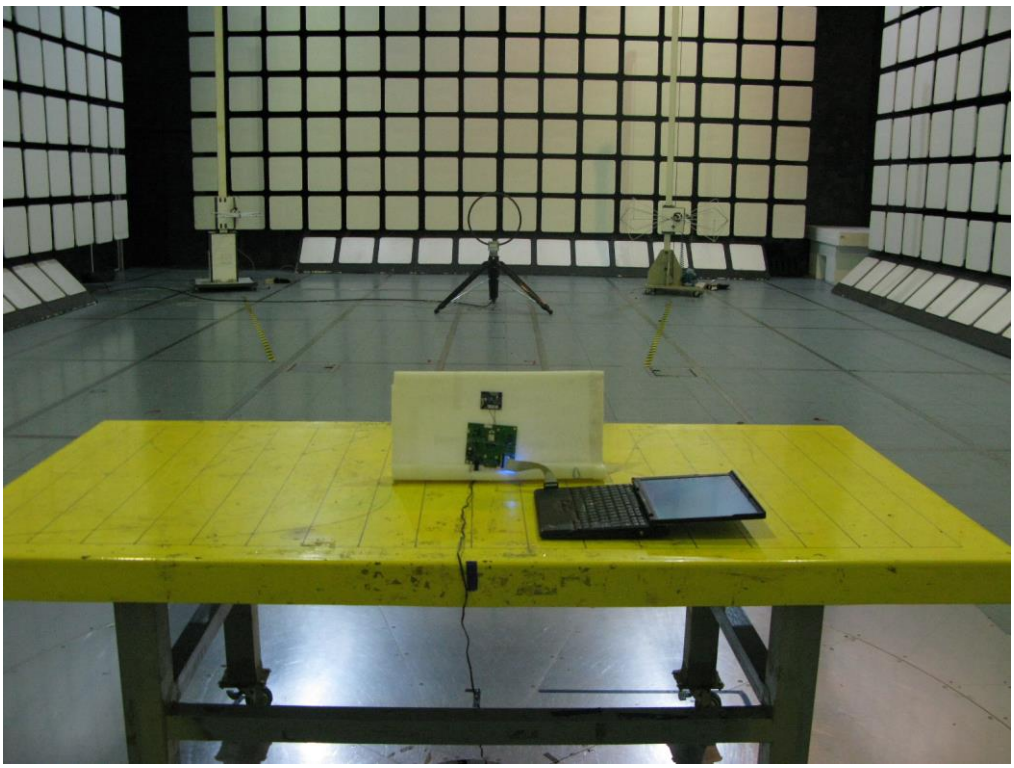
Spurious Emission Test below 30MHz



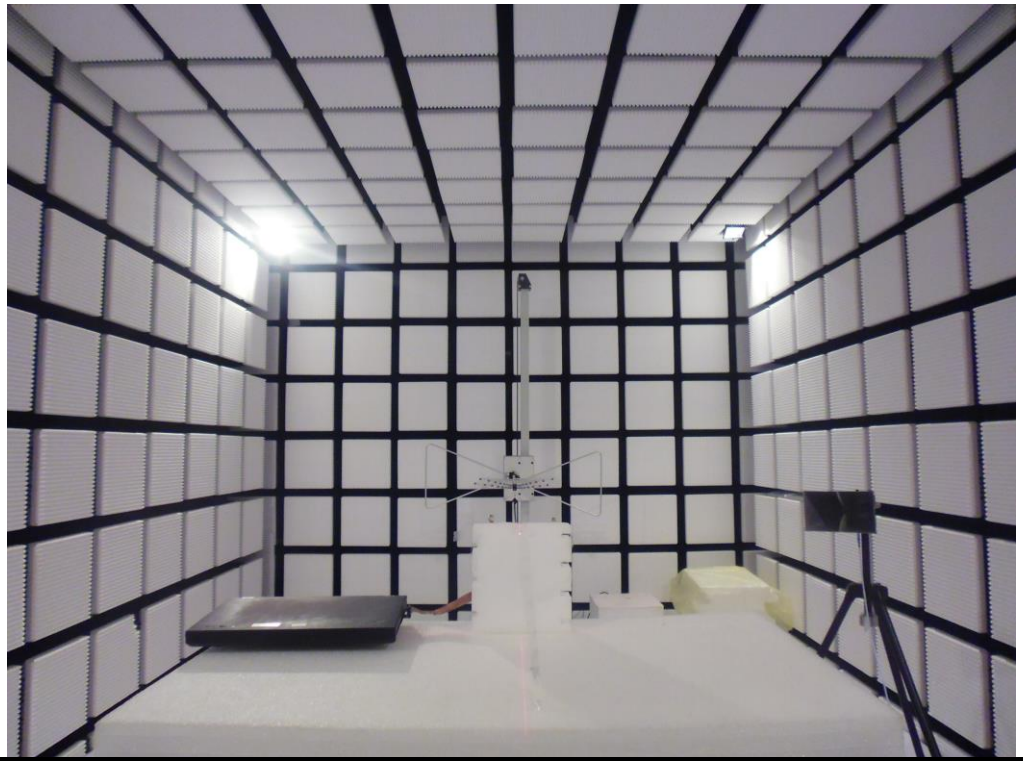


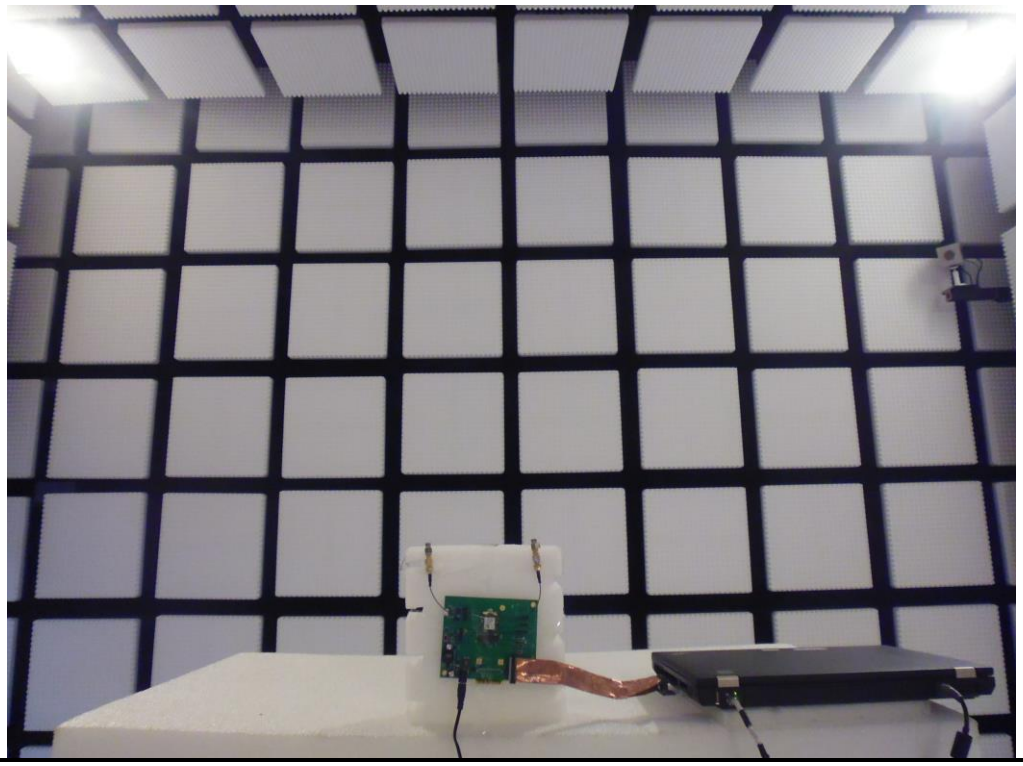
Configuration 4: Isolated Magnetic Dipole Antenna

Spurious Emission Test below 30MHz



Spurious Emission Test above 30MHz





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

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