

# Japan Test Report

**Equipment** : Bluetooth 5.1 Nano BLE Data Module  
**Model No.** : BL653μ  
**Brand Name** : Laird Connectivity  
**Applicant** : Laird Connectivity, Inc.  
**Address** : W66N220 Commerce Court, Cedarburg,  
Wisconsin 53012, USA  
**Standard** : Article 2 Paragraph 1 Item 19  
**Received Date** : Jun. 17, 2020  
**Tested Date** : Aug. 14, 2020

Measurement was conducted by the following test method:  
the test method of Ordinance Concerning Technical Regulations Conformity Certification  
etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and  
Communications notification in Annex "43" of Article 88, Paragraph 1 and ARIB STD-T66.

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



## Table of Contents

<b>1</b>	<b>GENERAL DESCRIPTION .....</b>	<b>5</b>
1.1	Information.....	5
1.2	Test Equipment and Calibration Data .....	8
1.3	Testing Applied Standards .....	8
1.4	Deviation from Test Standard and Measurement Procedure.....	8
1.5	Measurement Uncertainty .....	8
<b>2</b>	<b>TEST CONFIGURATION .....</b>	<b>9</b>
2.1	Testing Location and Conditions .....	9
2.2	Testing Facility.....	9
2.3	Supporting Units .....	9
2.4	The Worst Test Modes and Channel Details .....	9
<b>3</b>	<b>TRANSMITTER TEST RESULTS.....</b>	<b>10</b>
3.1	Antenna Power .....	10
3.2	Frequency Tolerance .....	11
3.3	Occupied Bandwidth .....	12
3.4	Transmitter Spurious Emissions.....	13
3.5	Interference Prevention Function .....	14
<b>4</b>	<b>RECEIVER TEST RESULTS .....</b>	<b>15</b>
4.1	Receiver Spurious Emissions.....	15
<b>5</b>	<b>TEST LABORATORY INFORMATION .....</b>	<b>16</b>
<b>APPENDIX A.1 TEST RESULTS FOR ANTENNA POWER</b>		
<b>APPENDIX A.2 TEST RESULTS FOR ANTENNA POWER</b>		
<b>APPENDIX B. TEST RESULTS FOR FREQUENCY TOLERANCE</b>		
<b>APPENDIX C. TEST RESULTS FOR OCCUPIED BANDWIDTH</b>		
<b>APPENDIX D. TEST RESULTS FOR TRANSMITTER SPURIOUS EMISSIONS</b>		
<b>APPENDIX E. TEST RESULTS FOR INTERFERENCE PREVENTION FUNCTION</b>		
<b>APPENDIX F. TEST RESULTS FOR RECEIVER SPURIOUS EMISSIONS</b>		

## Release Record

Report No.	Version	Description	Issued Date
JR061704	Rev. 01	Initial issue	Aug. 19, 2020

Draft

## Summary of Test Results

Ref. Std. Clause	Description	Result
3.2(2)(3)	Antenna Power	Pass
3.2(4)	Frequency Tolerance	Pass
3.2(6)	Transmitter Spurious Emission	Pass
3.2(7)	Occupied Bandwidth	Pass
3.3(1)	Receiver Emission	Pass
3.4.1	Interference prevention function	Pass

### Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

### Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

# 1 General Description

## 1.1 Information

### 1.1.1 Product Details

Model Name	Part Number	Remarks
BL653μ	453-00059	Chip Antenna
	453-00060	RF Trace Pin Antenna

### 1.1.2 Specification of the Equipment under Test (EUT)

Power Type	Option 1: DC 5V from host Option 2: DC 3.3V from host Option 3: DC 1.7V from host
Type(s) of Modulation / Technology	GFSK = 125kbps / 500kbps / 1Mbps / 2Mbps
Frequency Range (MHz)	2402 ~ 2480 MHz
Total Channel Number	40
HW Version	Rev 1
SW Version	v30.1.1.0

### 1.1.3 Accessories

N/A

### 1.1.4 Antenna Details

Manufacturer	Model	Laird Part Number	Type	Connector	Gain (dBi)
Laird	NanoBlue	EBL2400A1-10 MH4L	PCB Dipole	IPEX MHF4	2
Laird	FlexPIFA	001-0022	PCB Dipole	IPEX MHF4	2
Mag.Layers	EDA-8709-2G4 C1-B27-CY	0600-00057	Dipole	IPEX MHF4	2
Laird	mFlexPIFA	EFA2400A3S-1 0MH4L	PIFA	IPEX MHF4	2
Laird	Laird NFC	0600-00061	NFC	N/A	--
Yageo	ANT1608LL14R 2400A	N/A	Chip Antenna	N/A	2

Note: Please refer to antenna report for more details about antenna pattern and other information.

### 1.1.5 Antenna Power

Operating Mode	Rated Power (mW)	Measured Conducted Power (mW)	Radiated Power (mW)
BT-LE-125kbps	5.50	5.39511	8.551
BT-LE-500kbps	5.50	5.39511	8.551
BT-LE-1Mbps	5.50	5.39511	8.551
BT-LE-2Mbps	5.50	5.38270	8.531

### 1.1.6 Channel List

Frequency band (MHz)				2400~2483.5			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
37	2402	9	2422	18	2442	28	2462
0	2404	10	2424	19	2444	29	2464
1	2406	38	2426	20	2446	30	2466
2	2408	11	2428	21	2448	31	2468
3	2410	12	2430	22	2450	32	2470
4	2412	13	2432	23	2452	33	2472
5	2414	14	2434	24	2454	34	2474
6	2416	15	2436	25	2456	35	2476
7	2418	16	2438	26	2458	36	2478
8	2420	17	2440	27	2460	39	2480

### 1.1.7 Test Tool and Power Index

Test Tool
UwTerminal, V7.94

Power Index			
Modulation Mode	Test Frequency (MHz)		
	2402	2440	2480
BT-LE-125kbps	8	8	8
BT-LE-500kbps	8	8	8
BT-LE-1Mbps	8	8	8
BT-LE-2Mbps	8	8	8

### 1.1.8 Test Voltage

Test Voltage	<input checked="" type="checkbox"/> Vnom (3.3 Vdc)	<input checked="" type="checkbox"/> Vmax (5.5 Vdc)	<input checked="" type="checkbox"/> Vmin (1.7 Vdc)
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### 1.1.9 Protection Method for High Frequency and Modulation Section

Protected Method	Description
Shielding Case	RF and Modulation components are covered with shielding case and this shielding case is soldered

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## 1.2 Test Equipment and Calibration Data

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101486	Feb. 10, 2020	Feb. 09, 2021
Power Meter	Anritsu	ML2495A	1241002	Oct. 23, 2019	Oct. 22, 2020
Power Sensor	Anritsu	MA2411B	1207366	Oct. 23, 2019	Oct. 22, 2020
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Oct. 29, 2019	Oct. 28, 2020
Measurement Software	-	SENSE-T66_FS	V5.10.7	NA	NA
Note 1: Calibration Interval of instruments listed above is one year. Note 2: Above instruments are calibrated by Electronics Testing Center					

## 1.3 Testing Applied Standards

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

Article 2 Paragraph 1 Item 19

## 1.4 Deviation from Test Standard and Measurement Procedure

None

## 1.5 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ( $k=2$ )).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	$\pm 34.139$ Hz
Conducted power	$\pm 0.808$ dB
Frequency error	$\pm 1 \times 10^{-9}$
TX Conducted emission	$\pm 2.680$ dB
RX Conducted emission	$\pm 3.034$ dB



## 2 Test Configuration

### 2.1 Testing Location and Conditions

Test Site	Site Category	Ambient Condition	Tested By
TH01-WS	OVEN Room	23°C / 63%	Alex Huang

### 2.2 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	TH01-WS
Address of Test Site (Kwei Shan)	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

### 2.3 Supporting Units

Support Unit	Brand	Model	FCC ID
Notebook	DELL	Inspiron 3000	DoC

### 2.4 The Worst Test Modes and Channel Details

Test item	Mode	Test Frequency (MHz)
Antenna Power Frequency Tolerance Occupied Bandwidth Transmitter Spurious Emission Interference prevention function Receiver Spurious Emissions	BT-LE-125kbps BT-LE-500kbps BT-LE-1Mbps BT-LE-2Mbps	2402 / 2440 / 2480

### 3 Transmitter Test Results

#### 3.1 Antenna Power

##### 3.1.1 Limit of Antenna Power

Mode	Limit	Tolerance
1) FH, FH+DS, FH+OFDM	3 mW / MHz	+20 % , -80 %
2) OFDM(Narrow- bandwidht), DS	10 mW / MHz	
3) Other than 1) & 2)	10mW	
4) OFDM (Wide-band)	5 mW / MHz	

##### 3.1.2 Test Procedures

Measure the total power by Power Meter

##### 3.1.3 Test Setup



##### 3.1.4 Test Result of Maximum Transmit Power

Refer to Appendix A1, A2

## 3.2 Frequency Tolerance

### 3.2.1 Limit of Frequency Tolerance

Frequency tolerance shall be +/- 50ppm.

### 3.2.2 Test Procedures

1. Set Span = 500kHz, RBW = 1kHz, VBW = 3kHz, Sweep time = Auto, detector = Peak.
2. Use Peak search function to find the max peak value and record this value (RF).
3. Calculate frequency tolerance by below formula  
$$FT(ppm) = \{ (RF) - (MF) / (MF) \} \times 1000000$$
  
(FT: Frequency Tolerance, RF: Reading Frequency, MF: Measurement Frequency.)

### 3.2.3 Test Setup



### 3.2.4 Test Result of Frequency Tolerance

Refer to Appendix B

### 3.3 Occupied Bandwidth

#### 3.3.1 Limit of Occupied Bandwidth

Mode	Limit (MHz)
FH	83.5
FH+DS	83.5
FH+OFDM	83.5
OFDM(Narrow- bandwidht), DS	26
Others	26
OFDM (Wide-band)	38

#### 3.3.2 Test Procedures

1. Set Span = 40MHz, RBW = VBW = 300kHz, detector = Peak, Sweep time = Auto.
2. Enable OBW function of spectrum analyzer to measure OBW and capture test plot.

#### 3.3.3 Test Setup



#### 3.3.4 Test Result of Occupied Bandwidth

Refer to Appendix C

### 3.4 Transmitter Spurious Emissions

#### 3.4.1 Limit of Transmitter Spurious Emissions

Item	Limits
Tx Spurious Emission	$\leq 2.5 \mu\text{W}$ ( $2387\text{MHz} > f$ ; $2496.5\text{MHz} < f$ ).
	$\leq 25 \mu\text{W}$ . ( $2387\text{MHz} \leq f < 2400\text{MHz}$ ) and ( $2483.5\text{MHz} < f \leq 2496.5\text{MHz}$ ).

#### 3.4.2 Test Procedures

1. Set EUT to transmit at rated power and channel to perform test.
2. Set RBW = VBW = 1MHz, Detector type = Peak, Sweep time = Auto.
3. Following above setting of spectrum analyzer to measure spurious emission of 30~12500 MHz.

#### 3.4.3 Test Setup



#### 3.4.4 Test Result of Transmitter Spurious Emissions

Refer to Appendix D

### 3.5 Interference Prevention Function

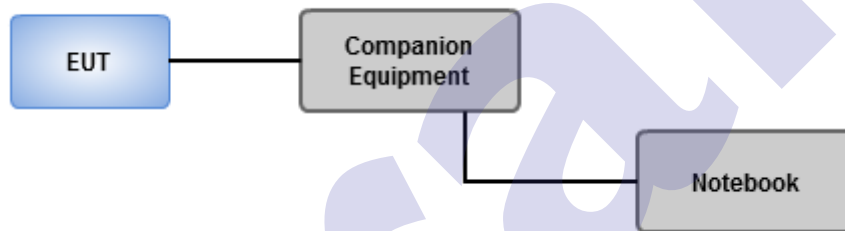
#### 3.5.1 Limit of Interference Prevention Function

Limits
The identification code shall be 48 bits long

#### 3.5.2 Test Procedures

1. Set EUT under operating mode and link up with companion equipment
2. Check communication status between EUT and companion equipment is normal
3. Confirm the MAC address of EUT

#### 3.5.3 Test Setup



#### 3.5.4 Test Result of Interference Prevention Function

Refer to Appendix E

## 4 Receiver Test Results

### 4.1 Receiver Spurious Emissions

#### 4.1.1 Limit of Receiver Spurious Emissions

Item	Limits
Rx Spurious Emission	$\leq 4\text{nW}$ ( $f < 1\text{GHz}$ ).
	$\leq 20\text{nW}$ ( $1\text{GHz} \leq f$ ).

#### 4.1.2 Test Procedures

1. Set EUT under receiving condition to perform test
2. Set RBW = VBW = 100kHz, detector = Peak, Sweep time = Auto for emission measurement below 1GHz.
3. Set RBW = VBW=1MHz, detector = Peak, Sweep time = Auto for emission measurement above 1GHz.

#### 4.1.3 Test Setup



#### 4.1.4 Test Result of Receiver Spurious Emissions

Refer to Appendix F

## 5 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**

Tel: 886-2-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin Kou  
District, New Taipei City, Taiwan,  
R.O.C.

### **Kwei Shan**

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd  
St., Kwei Shan District, Tao Yuan  
City 333, Taiwan, R.O.C.

### **Kwei Shan Site II**

Tel: 886-3-271-8640

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

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Email: [ICC\\_Service@icertifi.com.tw](mailto:ICC_Service@icertifi.com.tw)

==END==



**Summary**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	7.32	5.39511	5.50	-1.91	20	-80

**Result**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
BT-LE(125kbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	7.19	5.23600	5.50	-4.80	20	-80
2402MHz_TnomVmin	Pass	7.18	5.22396	5.50	-5.02	20	-80
2402MHz_TnomVmax	Pass	7.19	5.23600	5.50	-4.80	20	-80
2440MHz_TnomVnom	Pass	7.27	5.33335	5.50	-3.03	20	-80
2440MHz_TnomVmin	Pass	7.26	5.32108	5.50	-3.25	20	-80
2440MHz_TnomVmax	Pass	7.27	5.33335	5.50	-3.03	20	-80
2480MHz_TnomVnom	Pass	7.32	5.39511	5.50	-1.91	20	-80
2480MHz_TnomVmin	Pass	7.31	5.38270	5.50	-2.13	20	-80
2480MHz_TnomVmax	Pass	7.32	5.39511	5.50	-1.91	20	-80

**Summary**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(500kbps)	Pass	7.32	5.39511	5.50	-1.91	20	-80

**Result**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
BT-LE(500kbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	7.18	5.22396	5.50	-5.02	20	-80
2402MHz_TnomVmin	Pass	7.18	5.22396	5.50	-5.02	20	-80
2402MHz_TnomVmax	Pass	7.19	5.23600	5.50	-4.80	20	-80
2440MHz_TnomVnom	Pass	7.27	5.33335	5.50	-3.03	20	-80
2440MHz_TnomVmin	Pass	7.26	5.32108	5.50	-3.25	20	-80
2440MHz_TnomVmax	Pass	7.27	5.33335	5.50	-3.03	20	-80
2480MHz_TnomVnom	Pass	7.32	5.39511	5.50	-1.91	20	-80
2480MHz_TnomVmin	Pass	7.31	5.38270	5.50	-2.13	20	-80
2480MHz_TnomVmax	Pass	7.32	5.39511	5.50	-1.91	20	-80

**Summary**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	7.32	5.39511	5.50	-1.91	20	-80

**Result**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
BT-LE(1Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	7.19	5.23600	5.50	-4.80	20	-80
2402MHz_TnomVmin	Pass	7.19	5.23600	5.50	-4.80	20	-80
2402MHz_TnomVmax	Pass	7.19	5.23600	5.50	-4.80	20	-80
2440MHz_TnomVnom	Pass	7.26	5.32108	5.50	-3.25	20	-80
2440MHz_TnomVmin	Pass	7.26	5.32108	5.50	-3.25	20	-80
2440MHz_TnomVmax	Pass	7.27	5.33335	5.50	-3.03	20	-80
2480MHz_TnomVnom	Pass	7.32	5.39511	5.50	-1.91	20	-80
2480MHz_TnomVmin	Pass	7.31	5.38270	5.50	-2.13	20	-80
2480MHz_TnomVmax	Pass	7.32	5.39511	5.50	-1.91	20	-80

**Summary**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	7.31	5.38270	5.50	-2.13	20	-80

**Result**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
BT-LE(2Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	7.19	5.23600	5.50	-4.80	20	-80
2402MHz_TnomVmin	Pass	7.18	5.22396	5.50	-5.02	20	-80
2402MHz_TnomVmax	Pass	7.19	5.23600	5.50	-4.80	20	-80
2440MHz_TnomVnom	Pass	7.26	5.32108	5.50	-3.25	20	-80
2440MHz_TnomVmin	Pass	7.26	5.32108	5.50	-3.25	20	-80
2440MHz_TnomVmax	Pass	7.26	5.32108	5.50	-3.25	20	-80
2480MHz_TnomVnom	Pass	7.31	5.38270	5.50	-2.13	20	-80
2480MHz_TnomVmin	Pass	7.30	5.37032	5.50	-2.36	20	-80
2480MHz_TnomVmax	Pass	7.31	5.38270	5.50	-2.13	20	-80

**Summary**

Mode	Power (dBm)	Power (mW)	EIRP (dBm)	EIRP (mW)
2.4-2.4835GHz	-	-	-	-
BT-LE(125kbps)	7.32	5.39511	9.32	8.551

**Result**

Mode	Result	Gain (dBi)	Power (dBm)	Power (mW)	Power Lim. (mW)	EIRP (dBm)	EIRP (mW)	EIRP Lim. (mW)
BT-LE(125kbps)	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2402MHz_TnomVmin	Pass	2.00	7.18	5.22396	10	9.18	8.279	16.368
2402MHz_TnomVmax	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2440MHz_TnomVnom	Pass	2.00	7.27	5.33335	10	9.27	8.453	16.368
2440MHz_TnomVmin	Pass	2.00	7.26	5.32108	10	9.26	8.433	16.368
2440MHz_TnomVmax	Pass	2.00	7.27	5.33335	10	9.27	8.453	16.368
2480MHz_TnomVnom	Pass	2.00	7.32	5.39511	10	9.32	8.551	16.368
2480MHz_TnomVmin	Pass	2.00	7.31	5.38270	10	9.31	8.531	16.368
2480MHz_TnomVmax	Pass	2.00	7.32	5.39511	10	9.32	8.551	16.368

**Summary**

Mode	Power (dBm)	Power (mW)	EIRP (dBm)	EIRP (mW)
2.4-2.4835GHz	-	-	-	-
BT-LE(500kbps)	7.32	5.39511	9.32	8.551

**Result**

Mode	Result	Gain (dBi)	Power (dBm)	Power (mW)	Power Lim. (mW)	EIRP (dBm)	EIRP (mW)	EIRP Lim. (mW)
BT-LE(500kbps)	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.00	7.18	5.22396	10	9.18	8.279	16.368
2402MHz_TnomVmin	Pass	2.00	7.18	5.22396	10	9.18	8.279	16.368
2402MHz_TnomVmax	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2440MHz_TnomVnom	Pass	2.00	7.27	5.33335	10	9.27	8.453	16.368
2440MHz_TnomVmin	Pass	2.00	7.26	5.32108	10	9.26	8.433	16.368
2440MHz_TnomVmax	Pass	2.00	7.27	5.33335	10	9.27	8.453	16.368
2480MHz_TnomVnom	Pass	2.00	7.32	5.39511	10	9.32	8.551	16.368
2480MHz_TnomVmin	Pass	2.00	7.31	5.38270	10	9.31	8.531	16.368
2480MHz_TnomVmax	Pass	2.00	7.32	5.39511	10	9.32	8.551	16.368

**Summary**

Mode	Power (dBm)	Power (mW)	EIRP (dBm)	EIRP (mW)
2.4-2.4835GHz	-	-	-	-
BT-LE(1Mbps)	7.32	5.39511	9.32	8.551

**Result**

Mode	Result	Gain (dBi)	Power (dBm)	Power (mW)	Power Lim. (mW)	EIRP (dBm)	EIRP (mW)	EIRP Lim. (mW)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2402MHz_TnomVmin	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2402MHz_TnomVmax	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2440MHz_TnomVnom	Pass	2.00	7.26	5.32108	10	9.26	8.433	16.368
2440MHz_TnomVmin	Pass	2.00	7.26	5.32108	10	9.26	8.433	16.368
2440MHz_TnomVmax	Pass	2.00	7.27	5.33335	10	9.27	8.453	16.368
2480MHz_TnomVnom	Pass	2.00	7.32	5.39511	10	9.32	8.551	16.368
2480MHz_TnomVmin	Pass	2.00	7.31	5.38270	10	9.31	8.531	16.368
2480MHz_TnomVmax	Pass	2.00	7.32	5.39511	10	9.32	8.551	16.368

**Summary**

Mode	Power (dBm)	Power (mW)	EIRP (dBm)	EIRP (mW)
2.4-2.4835GHz	-	-	-	-
BT-LE(2Mbps)	7.31	5.38270	9.31	8.531

**Result**

Mode	Result	Gain (dBi)	Power (dBm)	Power (mW)	Power Lim. (mW)	EIRP (dBm)	EIRP (mW)	EIRP Lim. (mW)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2402MHz_TnomVmin	Pass	2.00	7.18	5.22396	10	9.18	8.279	16.368
2402MHz_TnomVmax	Pass	2.00	7.19	5.23600	10	9.19	8.299	16.368
2440MHz_TnomVnom	Pass	2.00	7.26	5.32108	10	9.26	8.433	16.368
2440MHz_TnomVmin	Pass	2.00	7.26	5.32108	10	9.26	8.433	16.368
2440MHz_TnomVmax	Pass	2.00	7.26	5.32108	10	9.26	8.433	16.368
2480MHz_TnomVnom	Pass	2.00	7.31	5.38270	10	9.31	8.531	16.368
2480MHz_TnomVmin	Pass	2.00	7.30	5.37032	10	9.30	8.511	16.368
2480MHz_TnomVmax	Pass	2.00	7.31	5.38270	10	9.31	8.531	16.368



**Summary**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	2.44G	2.43999326G	-2.7639	±50	1	-

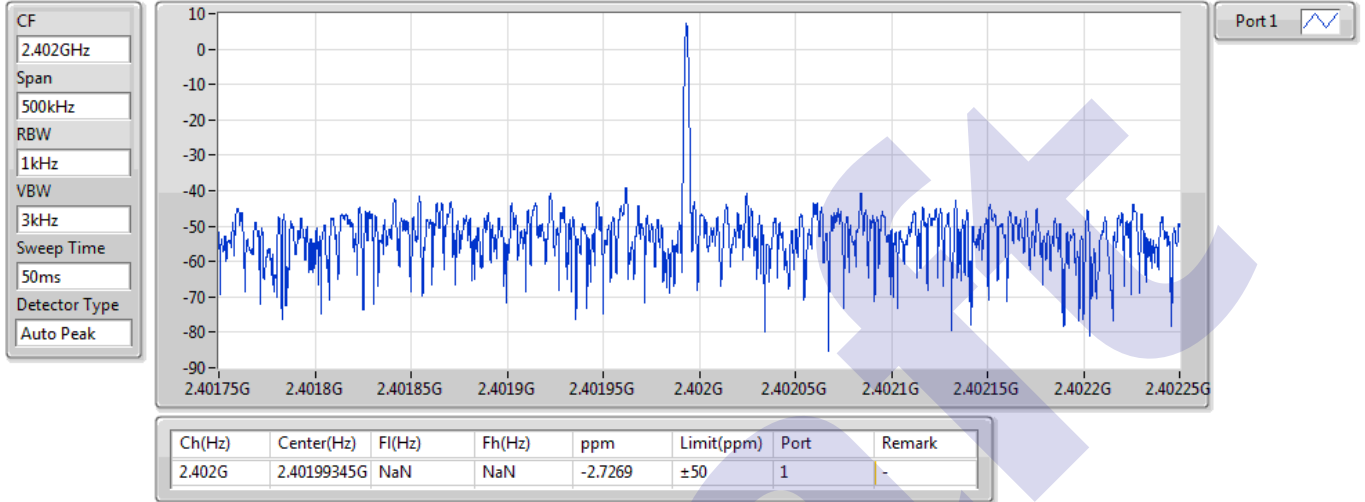
**Result**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
BT-LE(125kbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.40199345G	-2.7269	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.40199339G	-2.7506	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.40199338G	-2.7565	±50	1	-
2440MHz_TnomVnom	Pass	2.44G	2.43999332G	-2.7365	±50	1	-
2440MHz_TnomVmin	Pass	2.44G	2.43999328G	-2.7525	±50	1	-
2440MHz_TnomVmax	Pass	2.44G	2.43999326G	-2.7639	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.47999316G	-2.7585	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.47999315G	-2.7613	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.47999317G	-2.756	±50	1	-

## BT-LE(125kbps)

## Freq. Stability

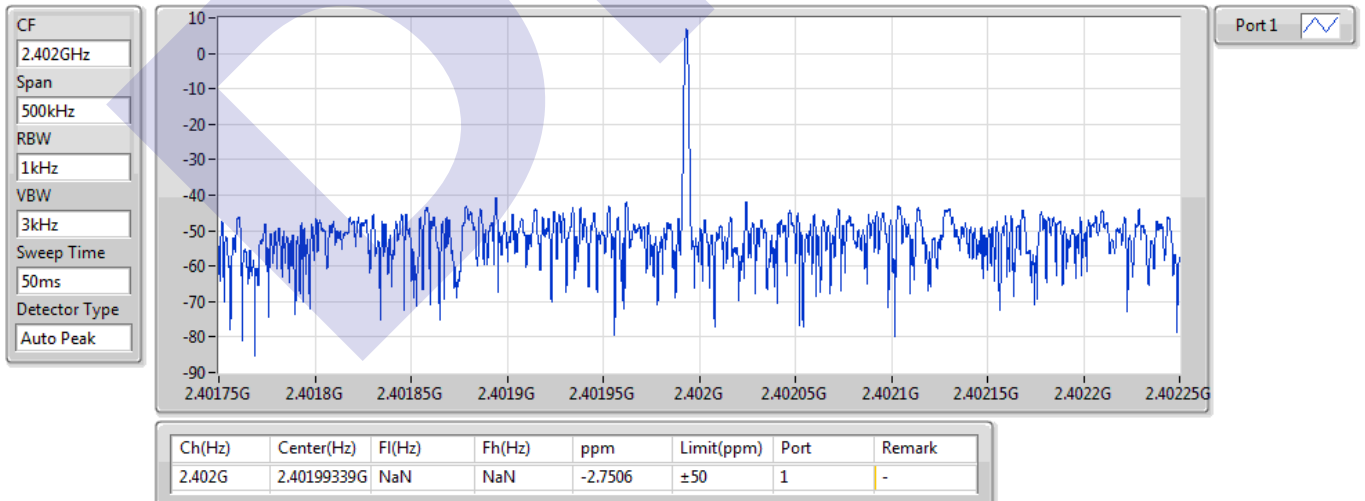
### 2402MHz\_TnomVnom



## BT-LE(125kbps)

## Freq. Stability

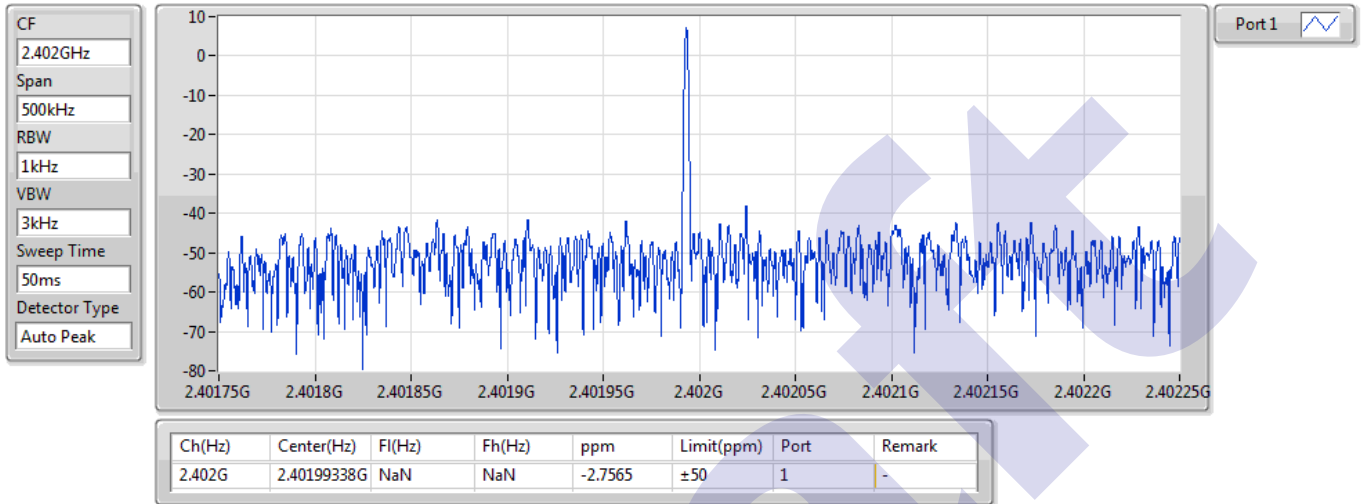
### 2402MHz\_TnomVmin



BT-LE(125kbps)

Freq. Stability

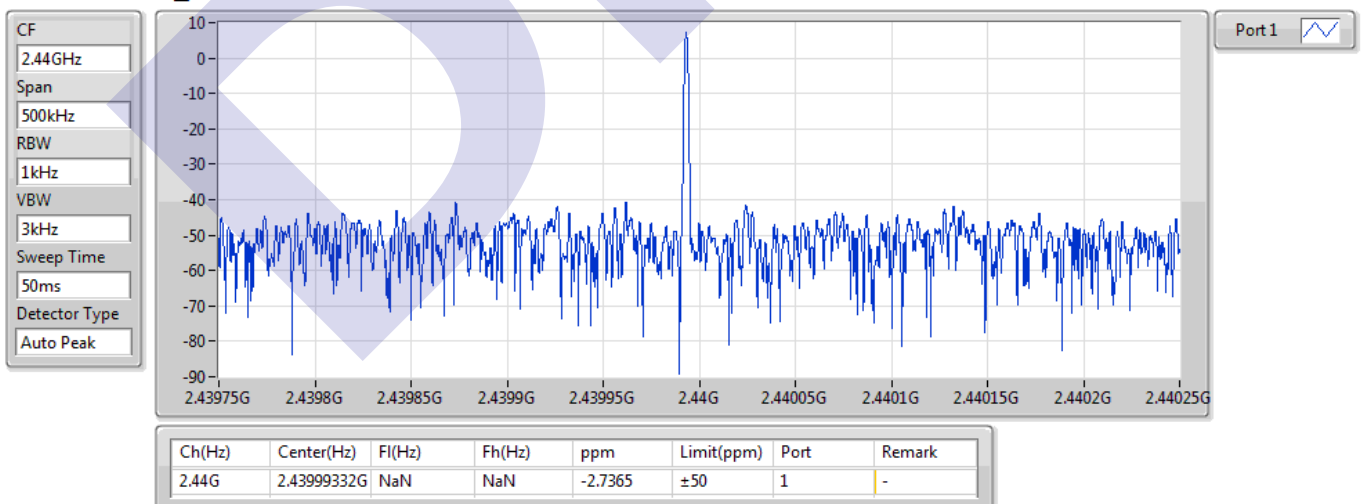
2402MHz\_TnomVmax



BT-LE(125kbps)

Freq. Stability

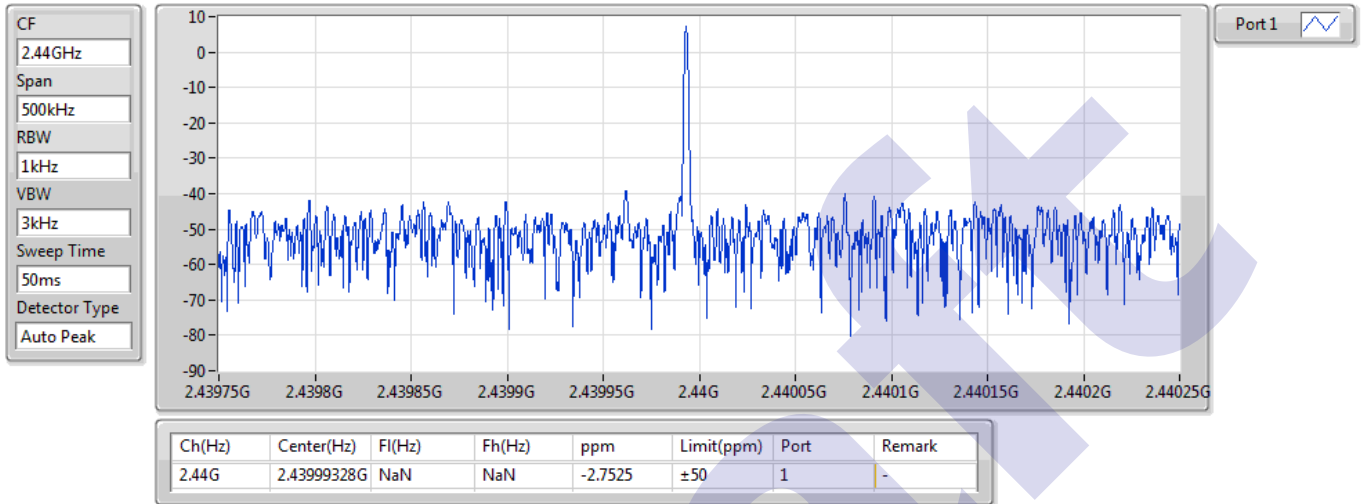
2440MHz\_TnomVnom



BT-LE(125kbps)

Freq. Stability

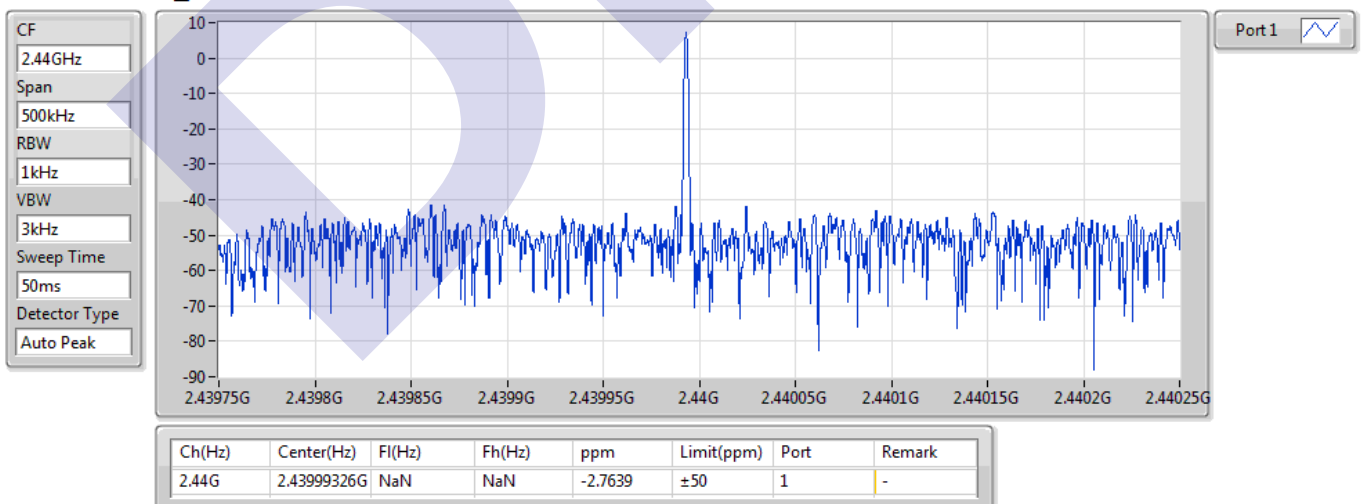
2440MHz\_TnomVmin



BT-LE(125kbps)

Freq. Stability

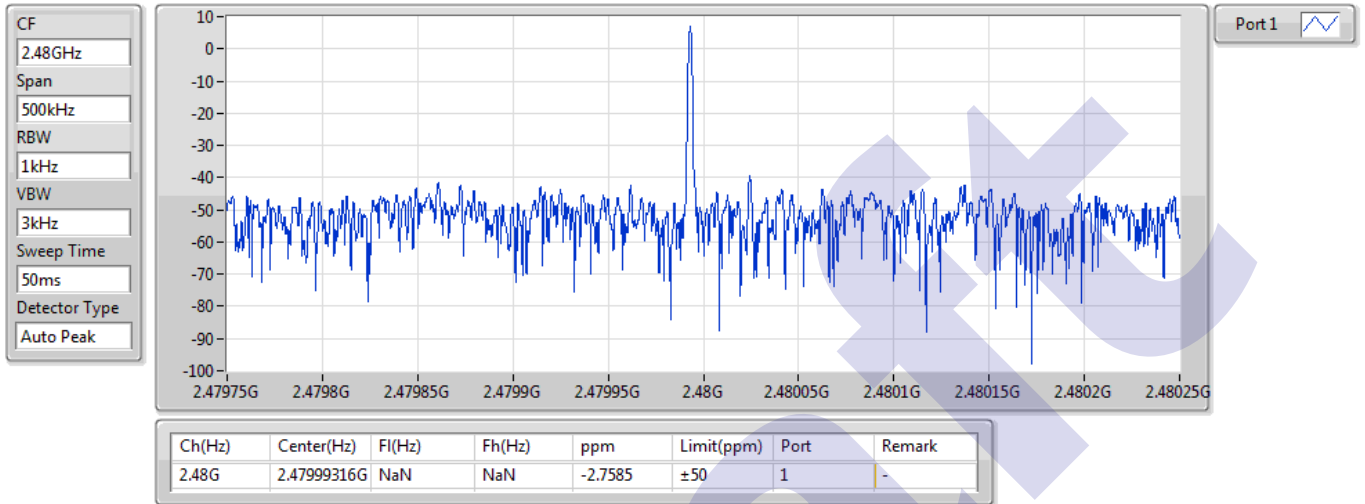
2440MHz\_TnomVmax



BT-LE(125kbps)

Freq. Stability

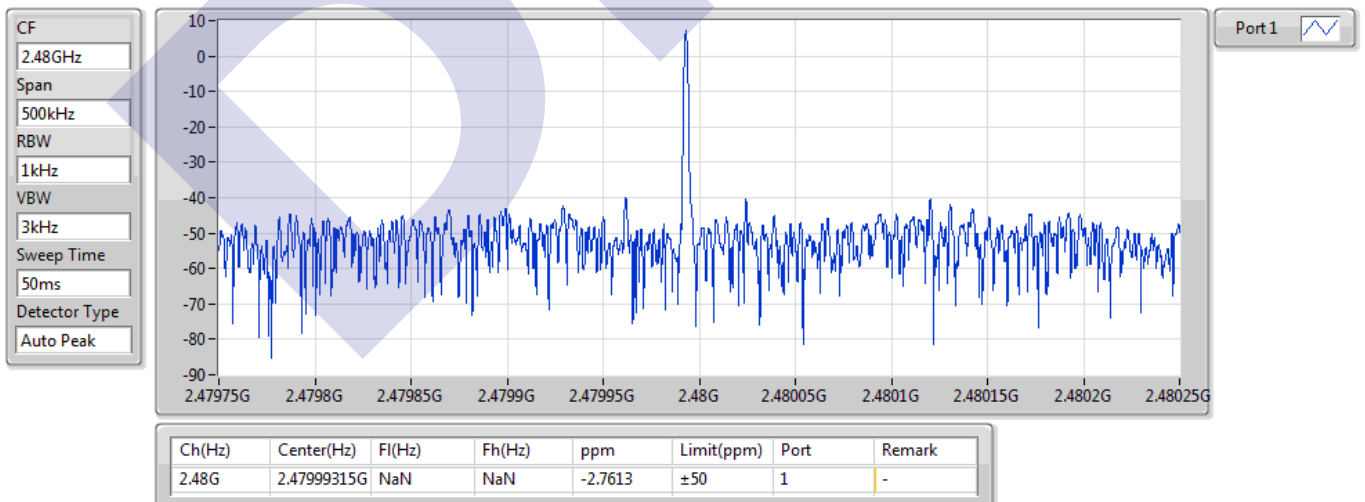
2480MHz\_TnomVnom



BT-LE(125kbps)

Freq. Stability

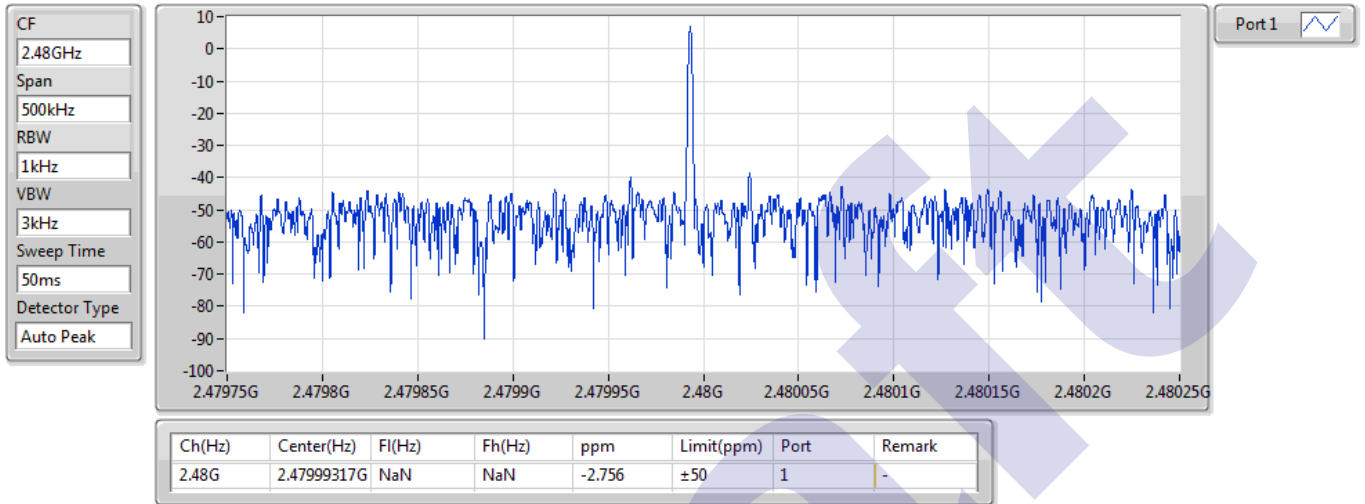
2480MHz\_TnomVmin



BT-LE(125kbps)

Freq. Stability

2480MHz\_TnomVmax



**Summary**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(500kbps)	Pass	2.48G	2.47999335G	-2.6835	±50	1	-

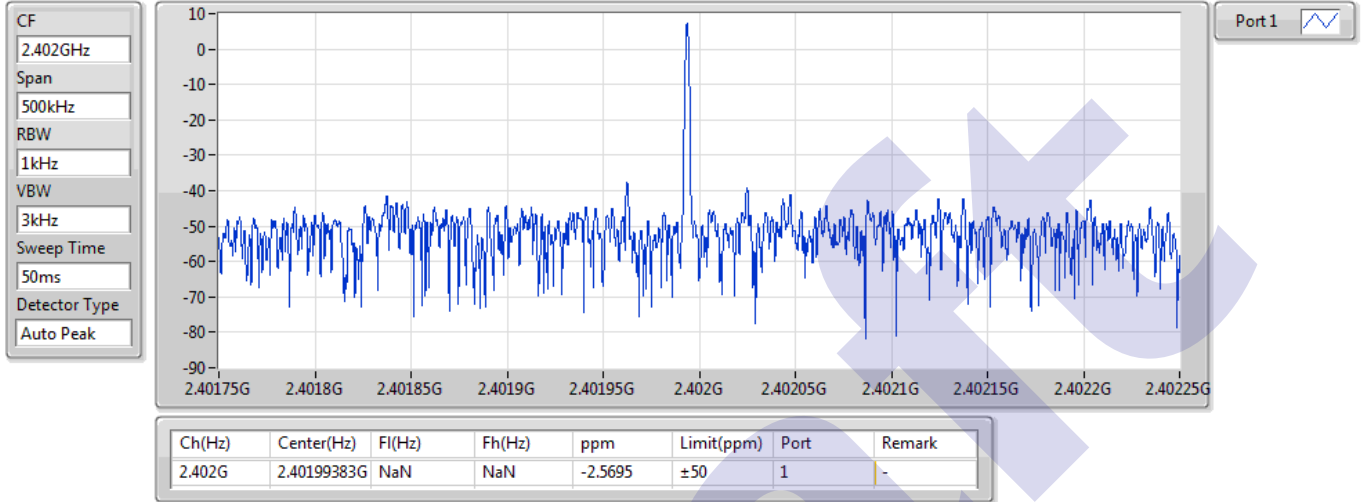
**Result**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
BT-LE(500kbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.40199383G	-2.5695	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.4019938G	-2.5799	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.40199377G	-2.5941	±50	1	-
2440MHz_TnomVnom	Pass	2.44G	2.43999368G	-2.5889	±50	1	-
2440MHz_TnomVmin	Pass	2.44G	2.43999361G	-2.6172	±50	1	-
2440MHz_TnomVmax	Pass	2.44G	2.43999356G	-2.6414	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.47999343G	-2.65	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.47999337G	-2.6734	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.47999335G	-2.6835	±50	1	-

## BT-LE(500kbps)

## Freq. Stability

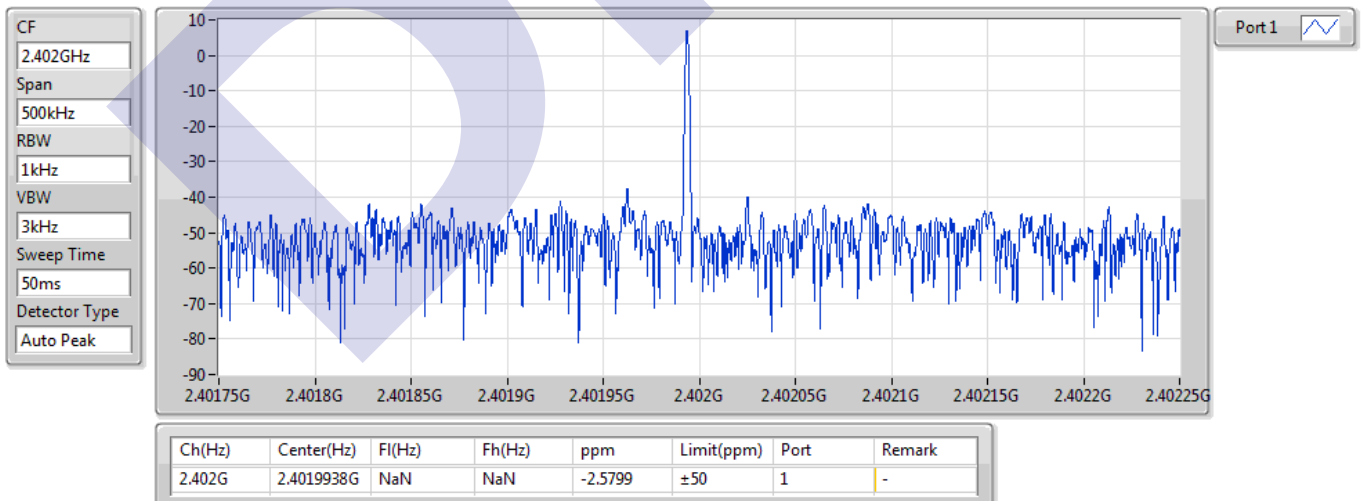
### 2402MHz\_TnomVnom



## BT-LE(500kbps)

## Freq. Stability

### 2402MHz\_TnomVmin

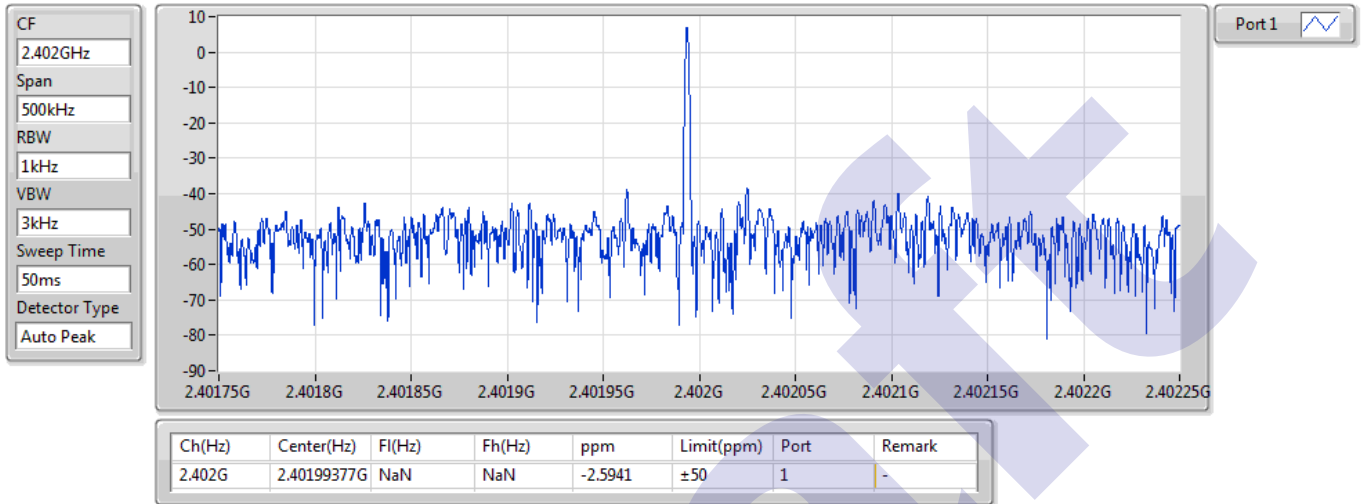




BT-LE(500kbps)

Freq. Stability

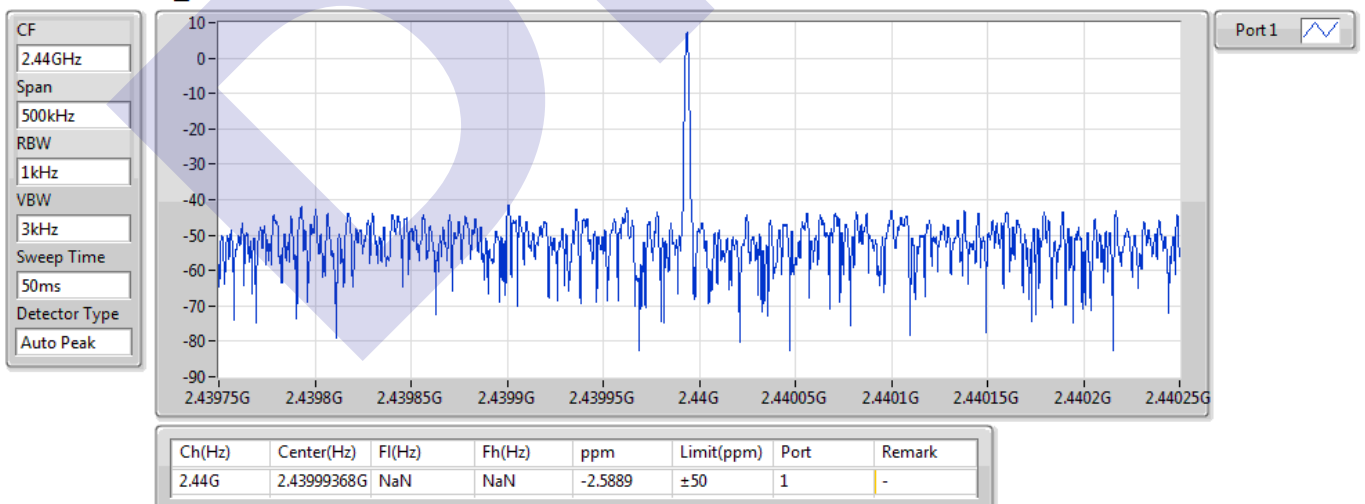
2402MHz\_TnomVmax



BT-LE(500kbps)

Freq. Stability

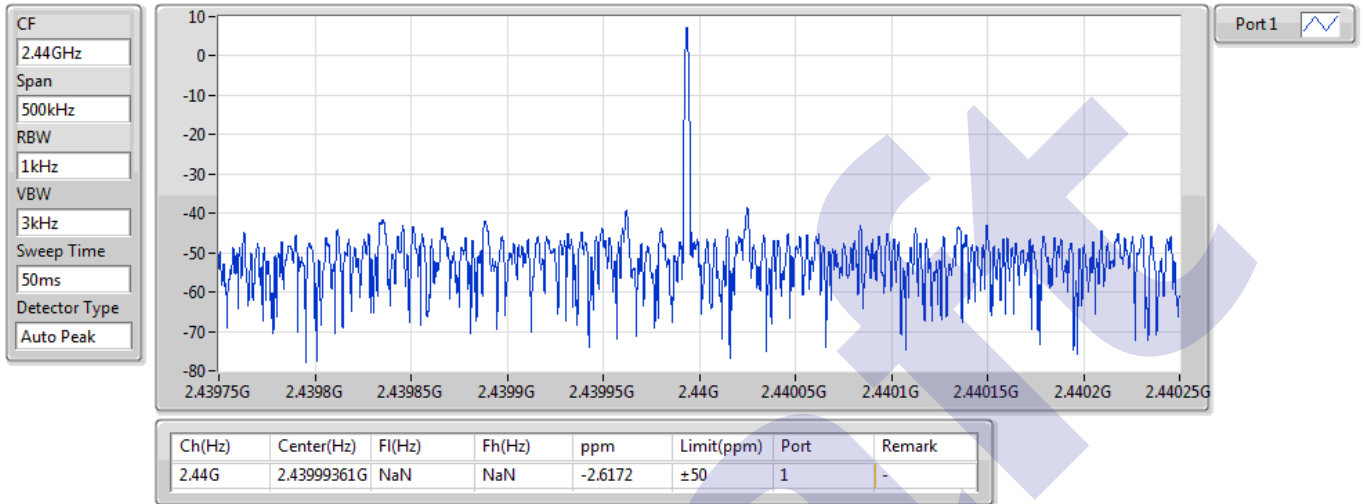
2440MHz\_TnomVnom



BT-LE(500kbps)

Freq. Stability

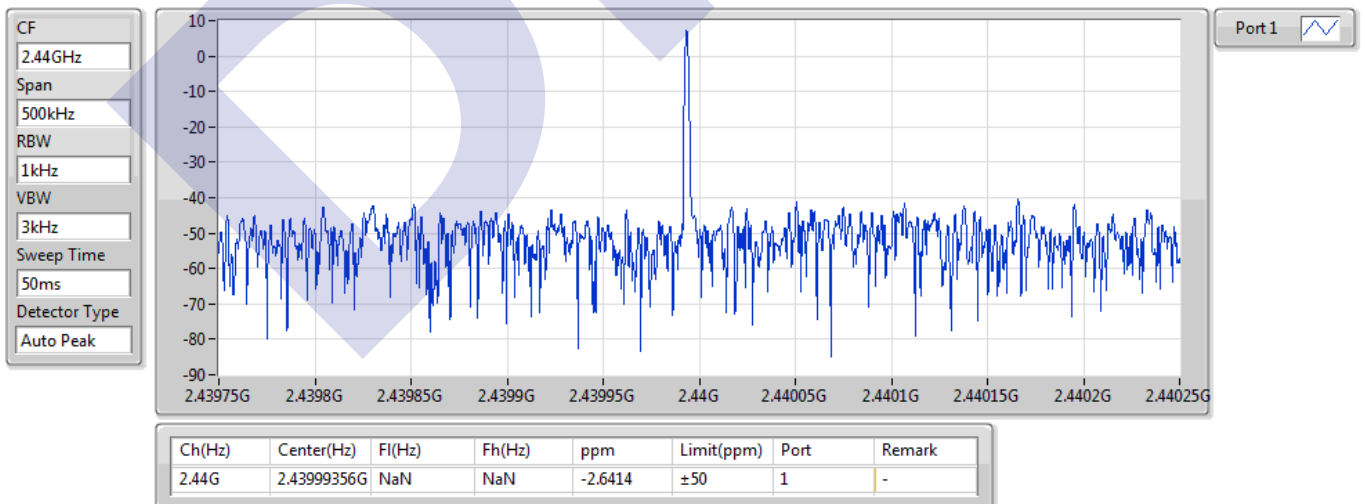
2440MHz\_TnomVmin



BT-LE(500kbps)

Freq. Stability

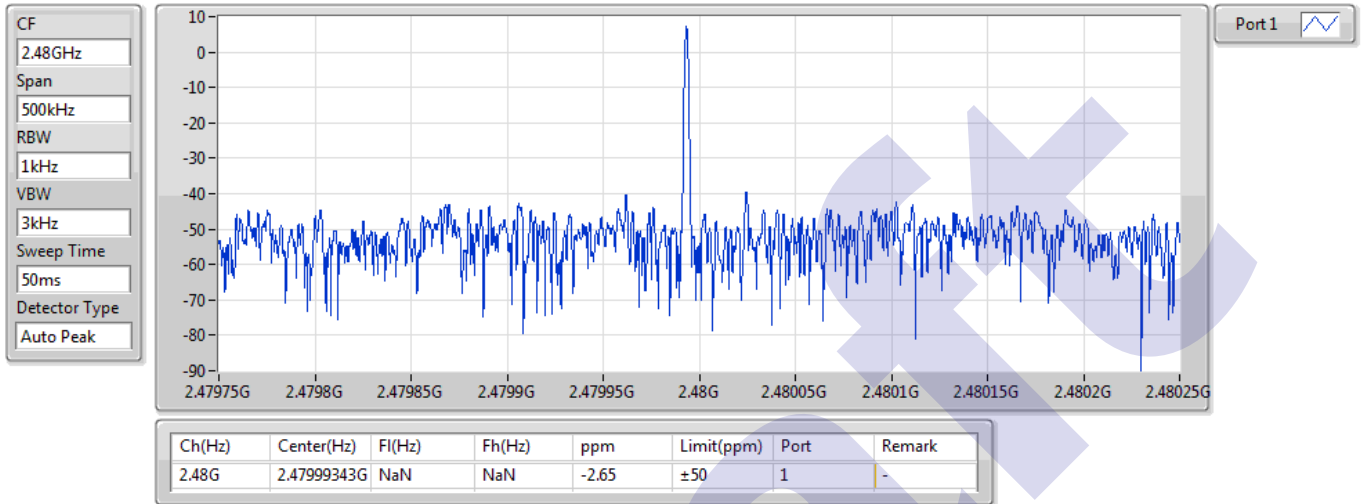
2440MHz\_TnomVmax



BT-LE(500kbps)

Freq. Stability

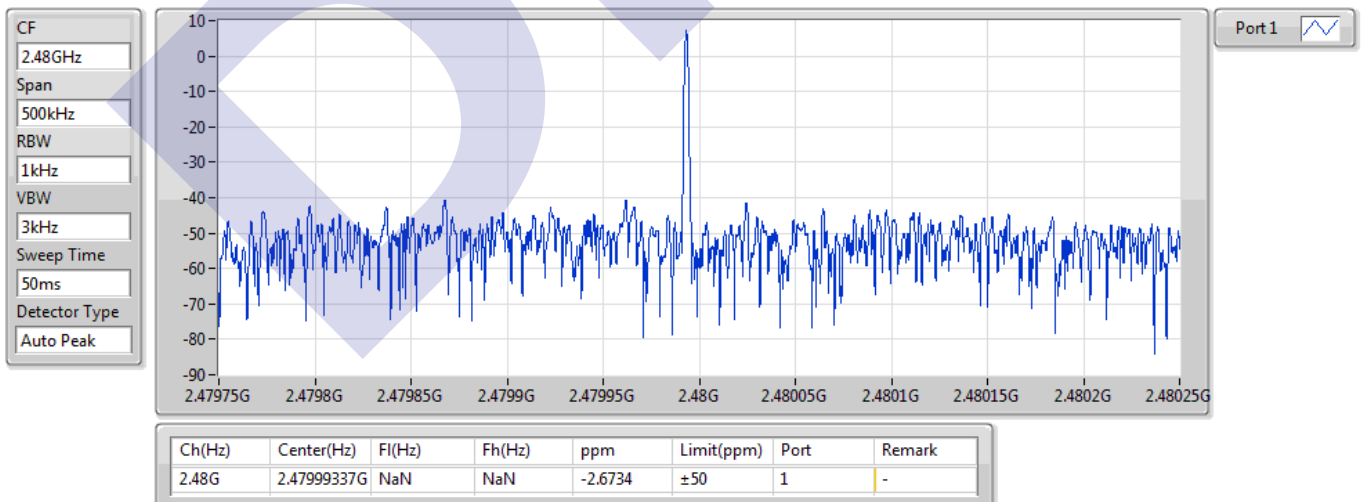
2480MHz\_TnomVnom



BT-LE(500kbps)

Freq. Stability

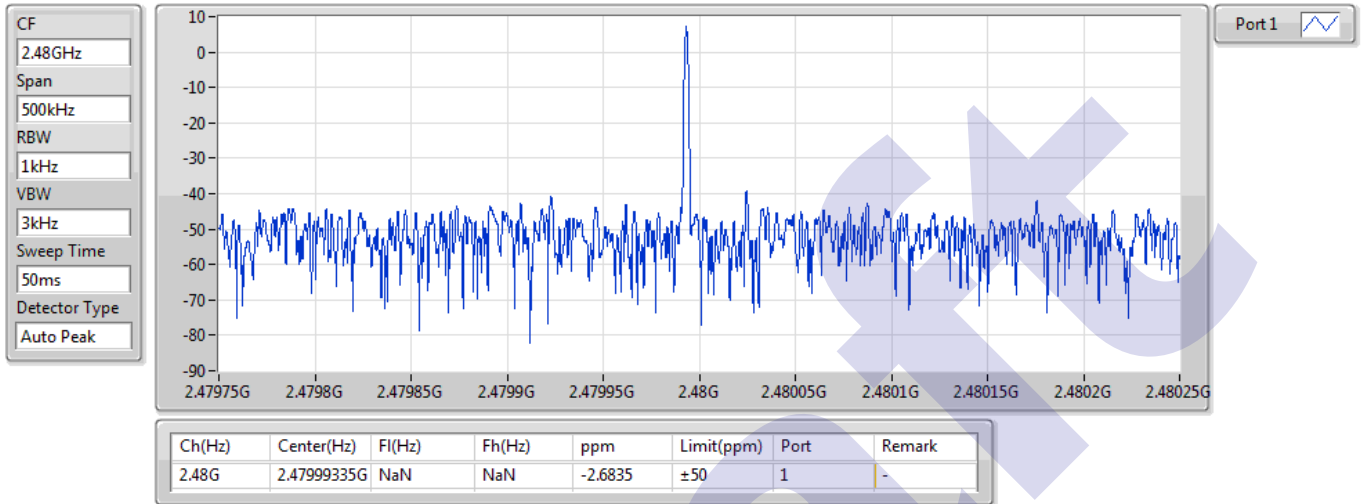
2480MHz\_TnomVmin



BT-LE(500kbps)

Freq. Stability

2480MHz\_TnomVmax



**Summary**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.48G	2.47999279G	-2.9089	±50	1	-

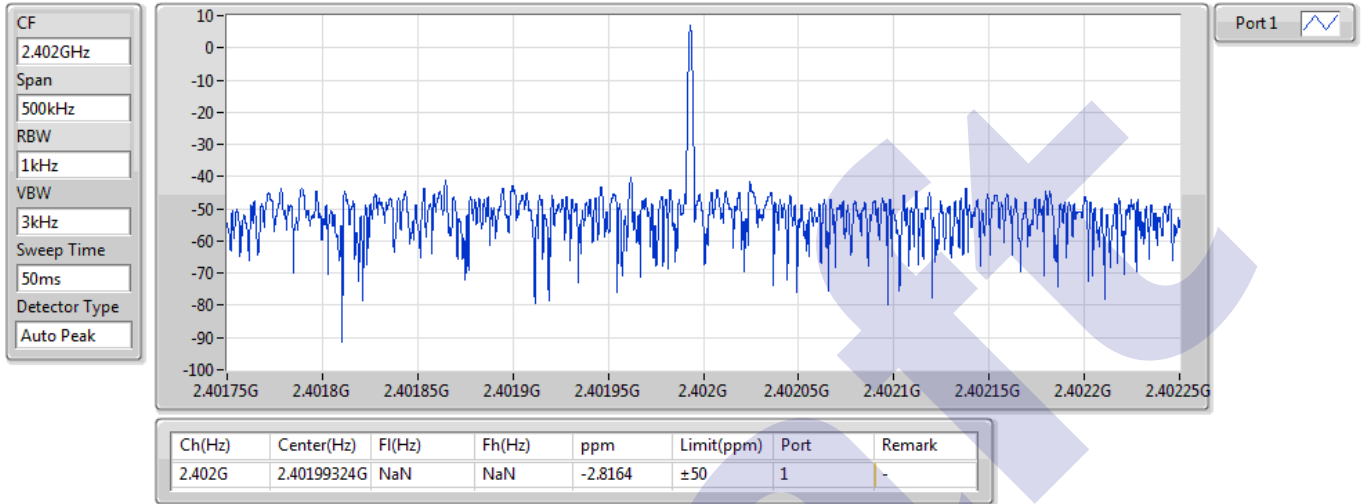
**Result**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
BT-LE(1Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.40199324G	-2.8164	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.40199318G	-2.841	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.40199315G	-2.8522	±50	1	-
2440MHz_TnomVnom	Pass	2.44G	2.43999317G	-2.7988	±50	1	-
2440MHz_TnomVmin	Pass	2.44G	2.43999312G	-2.8213	±50	1	-
2440MHz_TnomVmax	Pass	2.44G	2.43999308G	-2.8373	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.47999279G	-2.9089	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.47999279G	-2.9077	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.47999282G	-2.8944	±50	1	-

## BT-LE(1Mbps)

## Freq. Stability

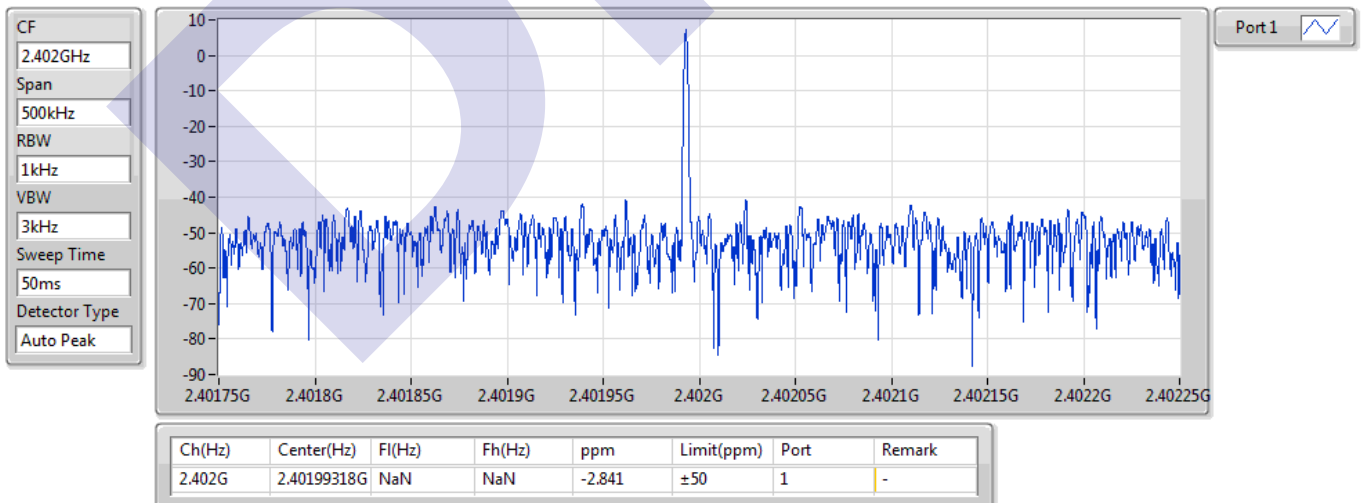
### 2402MHz\_TnomVnom



## BT-LE(1Mbps)

## Freq. Stability

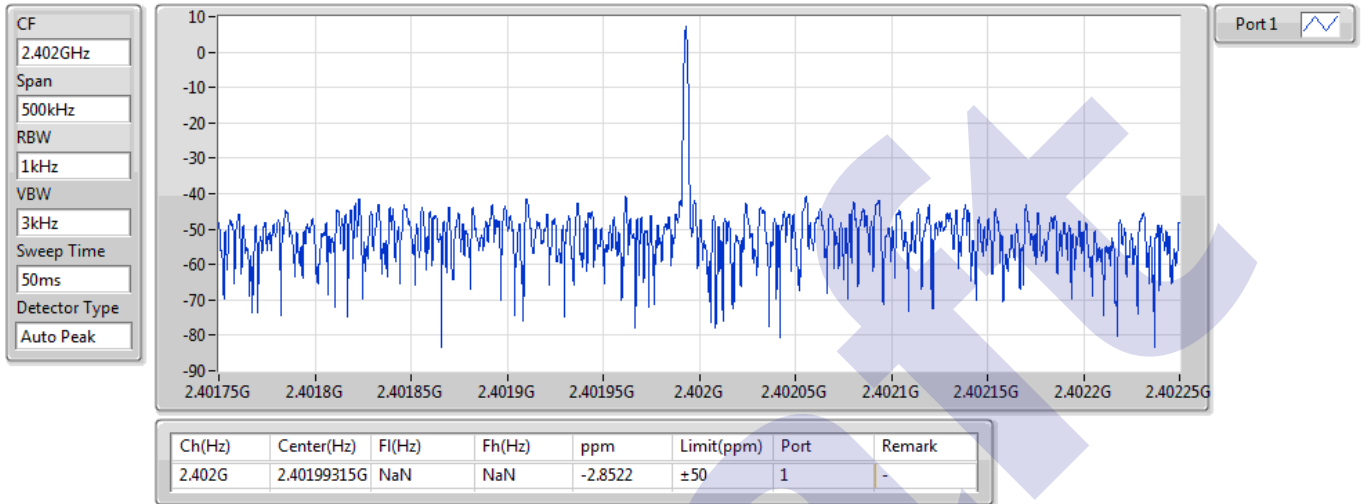
### 2402MHz\_TnomVmin



## BT-LE(1Mbps)

## Freq. Stability

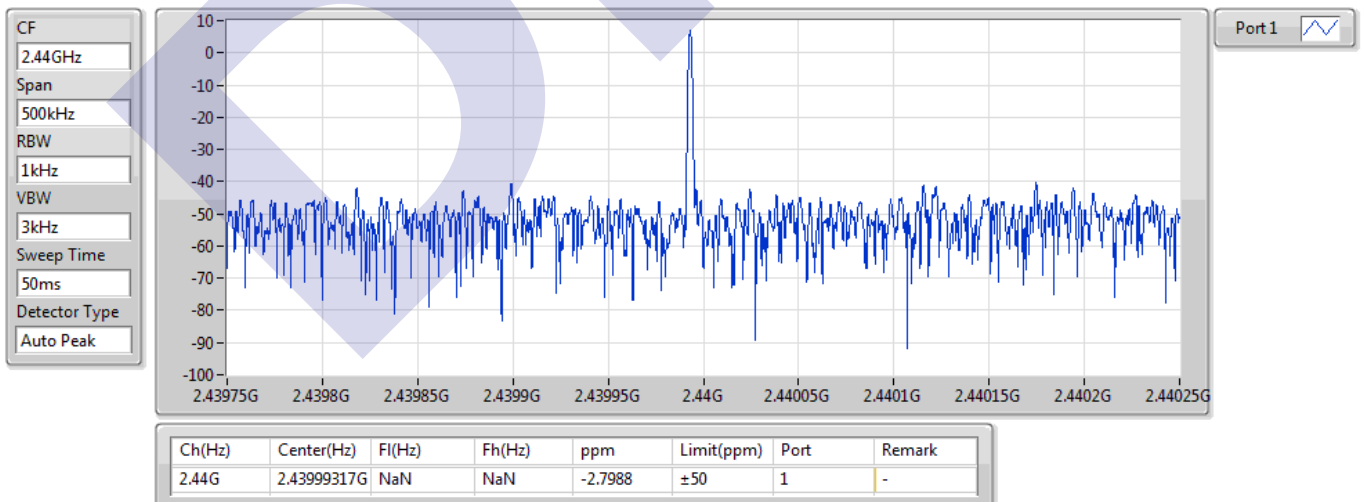
### 2402MHz\_TnomVmax



## BT-LE(1Mbps)

## Freq. Stability

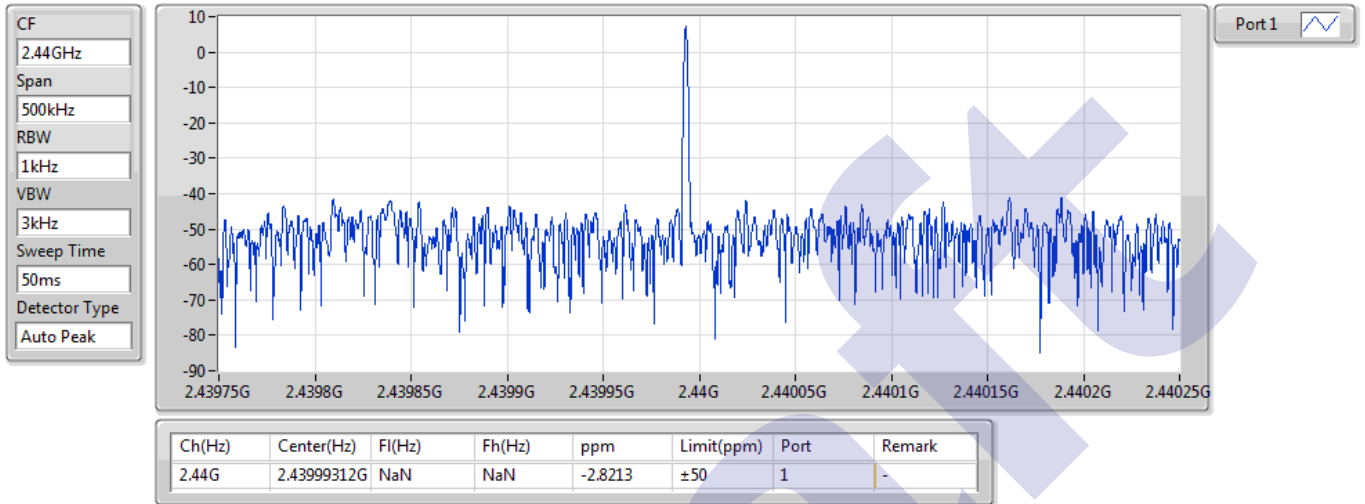
### 2440MHz\_TnomVnom



BT-LE(1Mbps)

Freq. Stability

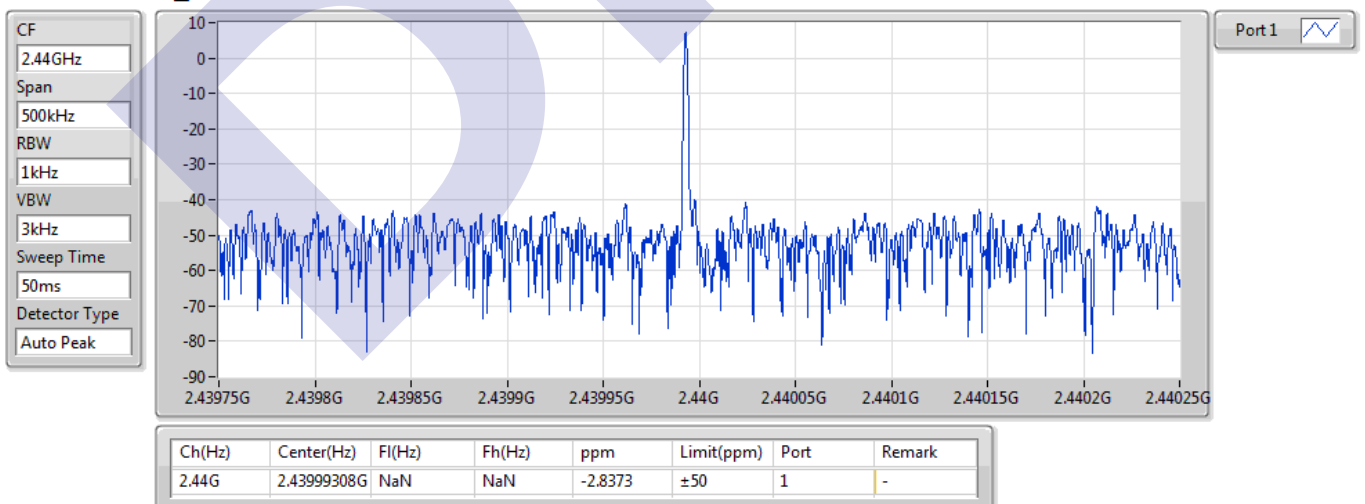
2440MHz\_TnomVmin



BT-LE(1Mbps)

Freq. Stability

2440MHz\_TnomVmax

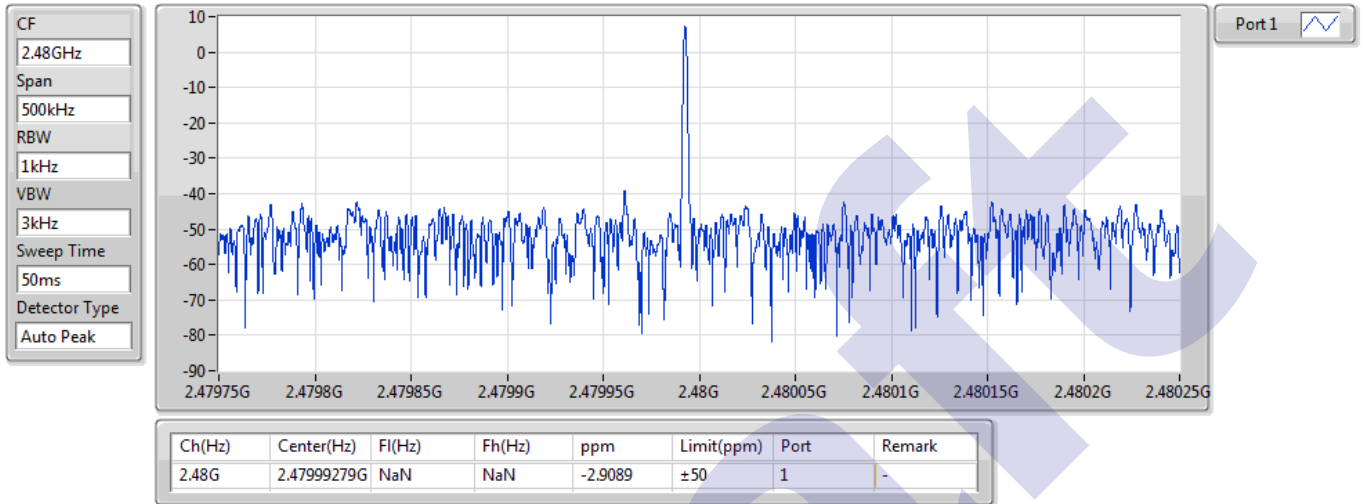




BT-LE(1Mbps)

Freq. Stability

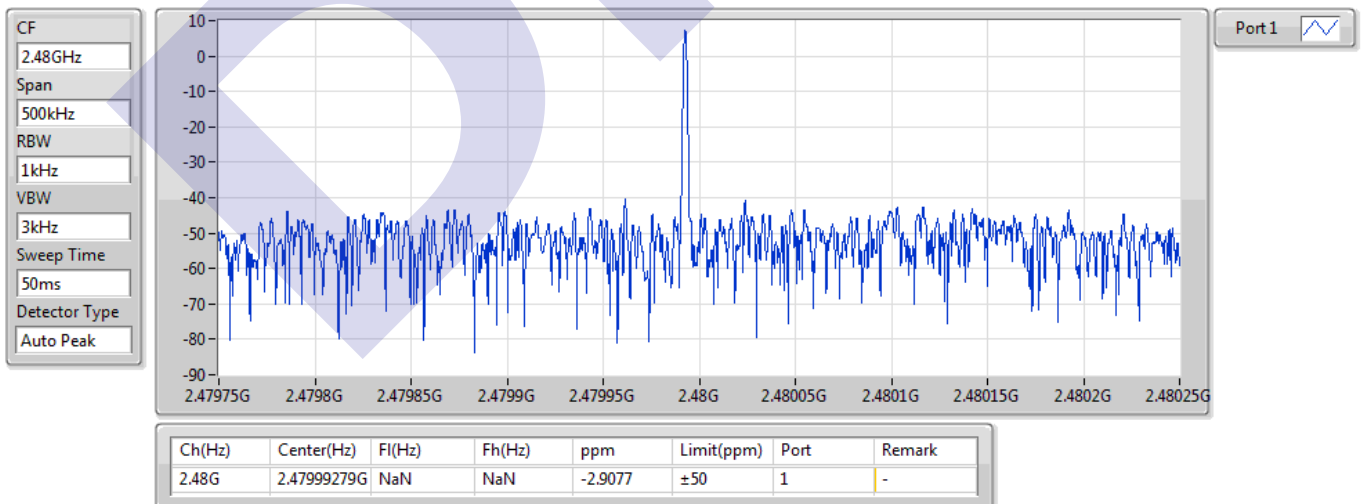
2480MHz\_TnomVnom



BT-LE(1Mbps)

Freq. Stability

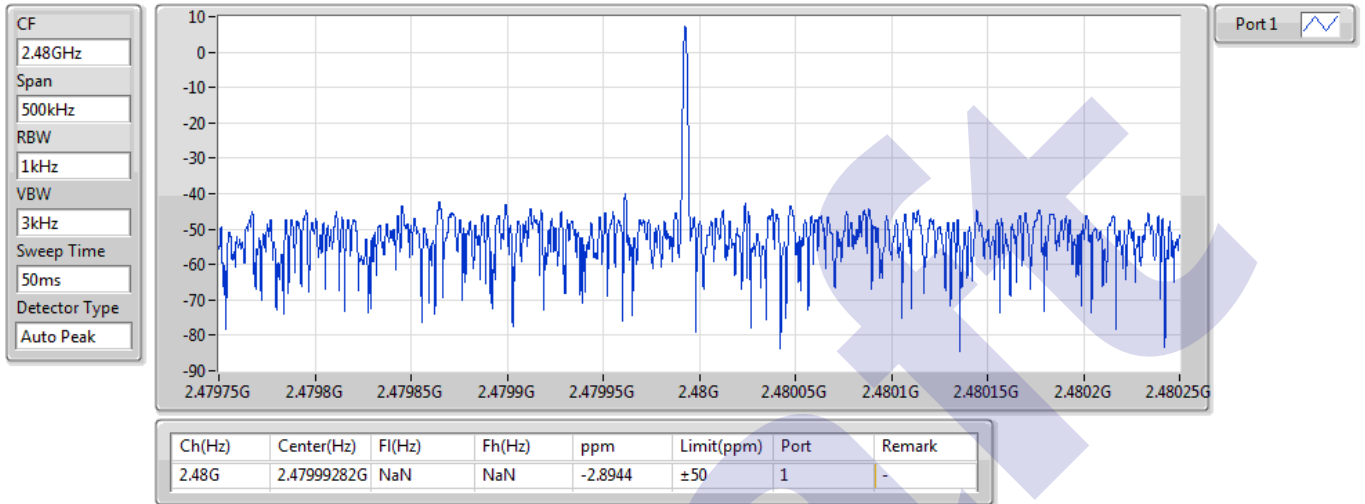
2480MHz\_TnomVmin



BT-LE(1Mbps)

Freq. Stability

2480MHz\_TnomVmax



**Summary**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	2.48G	2.47999305G	-2.8028	±50	1	-

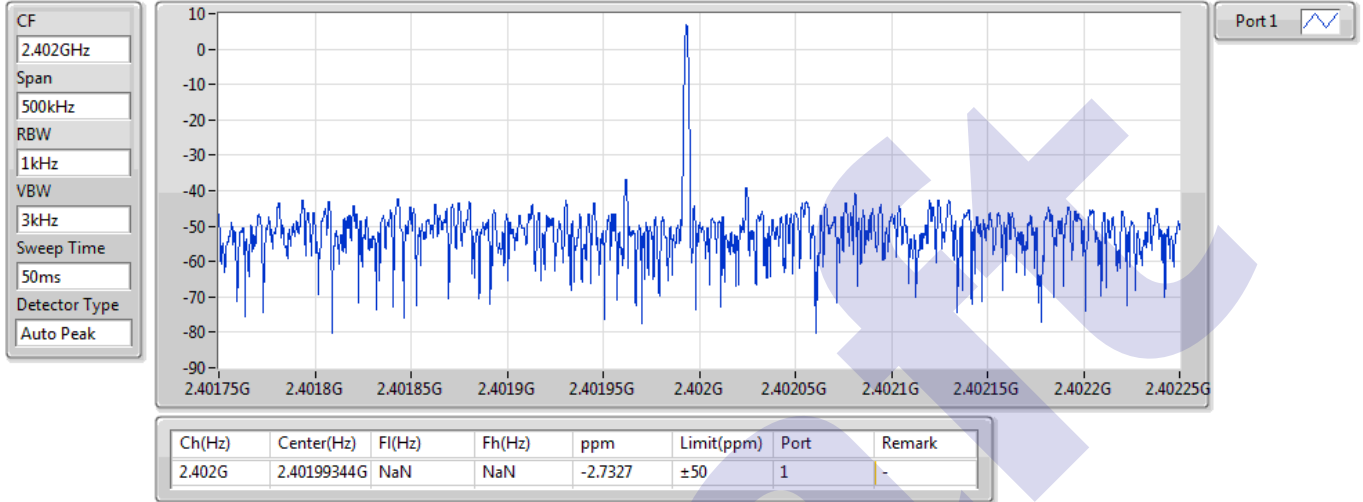
**Result**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
BT-LE(2Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.40199344G	-2.7327	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.40199342G	-2.7394	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.40199342G	-2.7377	±50	1	-
2440MHz_TnomVnom	Pass	2.44G	2.43999325G	-2.7652	±50	1	-
2440MHz_TnomVmin	Pass	2.44G	2.43999322G	-2.7807	±50	1	-
2440MHz_TnomVmax	Pass	2.44G	2.4399932G	-2.7885	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.47999314G	-2.7649	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.47999309G	-2.7867	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.47999305G	-2.8028	±50	1	-

## BT-LE(2Mbps)

## Freq. Stability

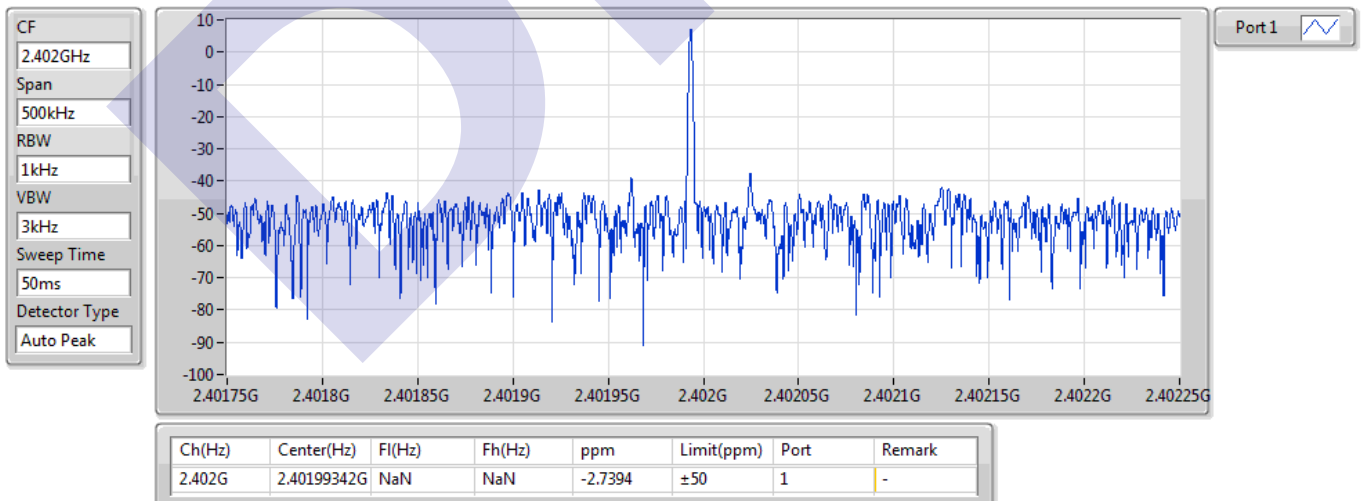
### 2402MHz\_TnomVnom



## BT-LE(2Mbps)

## Freq. Stability

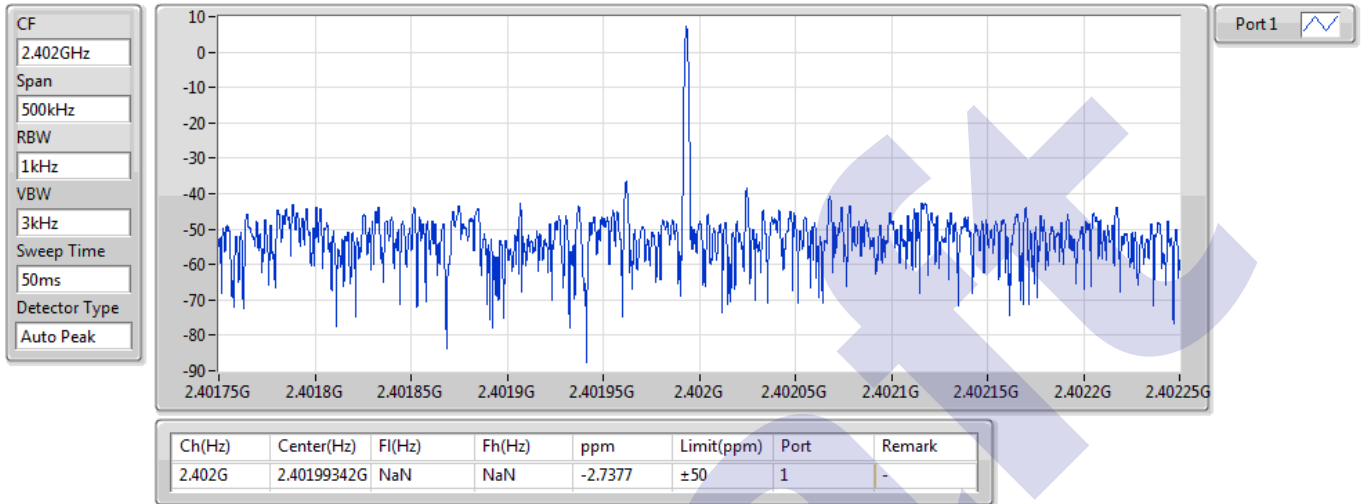
### 2402MHz\_TnomVmin



BT-LE(2Mbps)

Freq. Stability

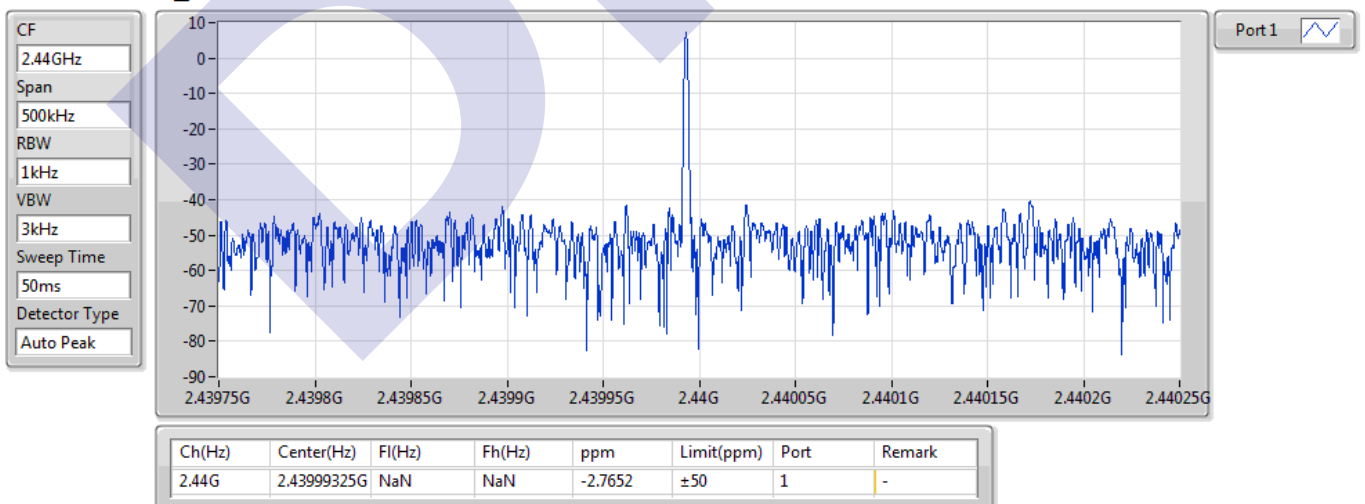
2402MHz\_TnomVmax



BT-LE(2Mbps)

Freq. Stability

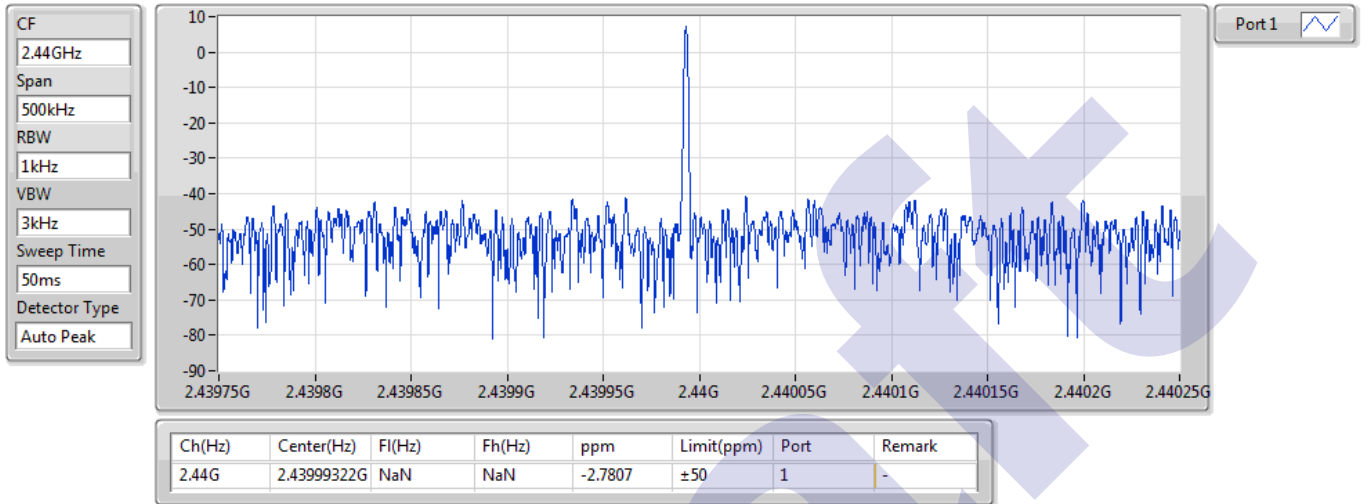
2440MHz\_TnomVnom



BT-LE(2Mbps)

Freq. Stability

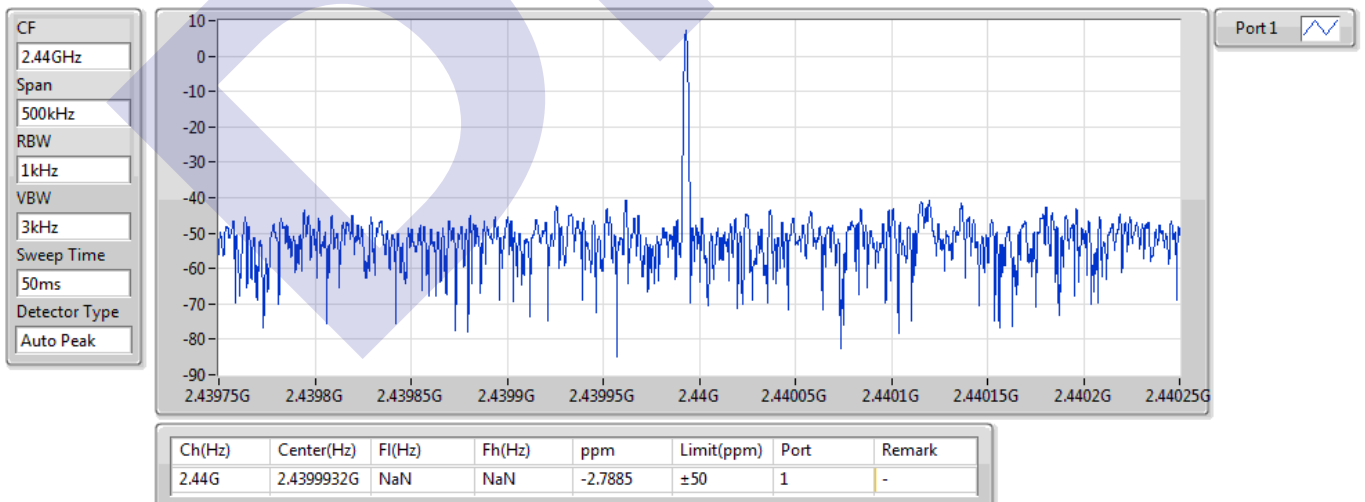
2440MHz\_TnomVmin



BT-LE(2Mbps)

Freq. Stability

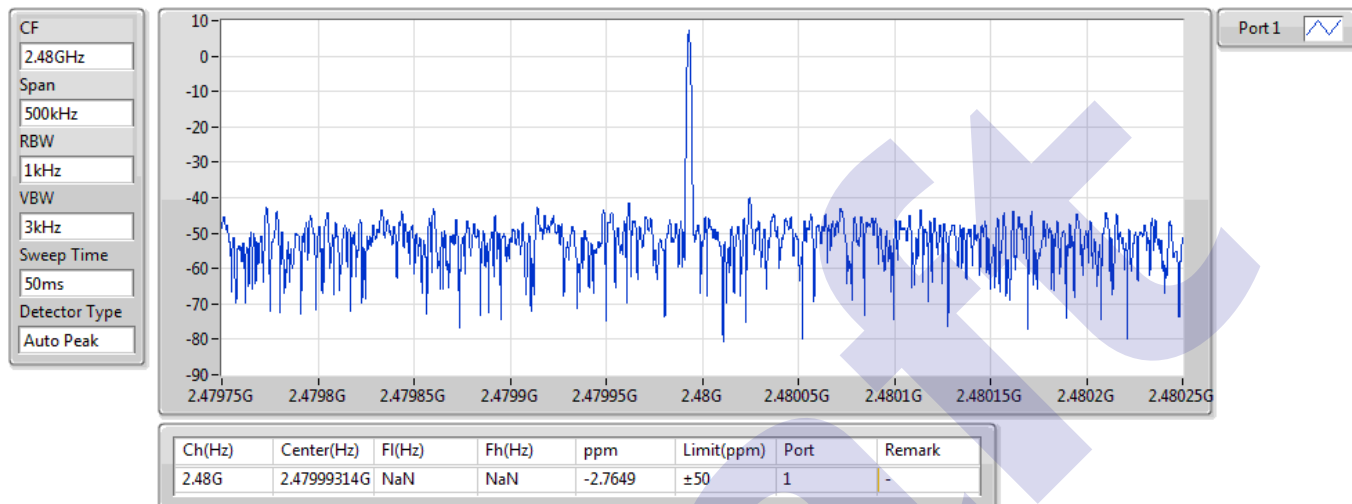
2440MHz\_TnomVmax



## BT-LE(2Mbps)

## Freq. Stability

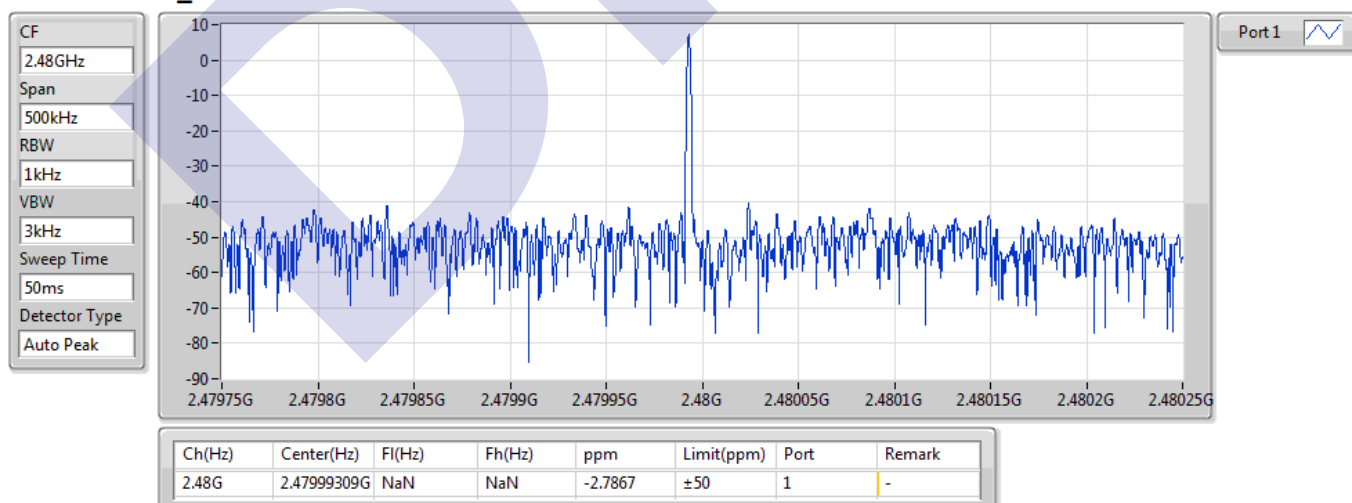
### 2480MHz\_TnomVnom



## BT-LE(2Mbps)

## Freq. Stability

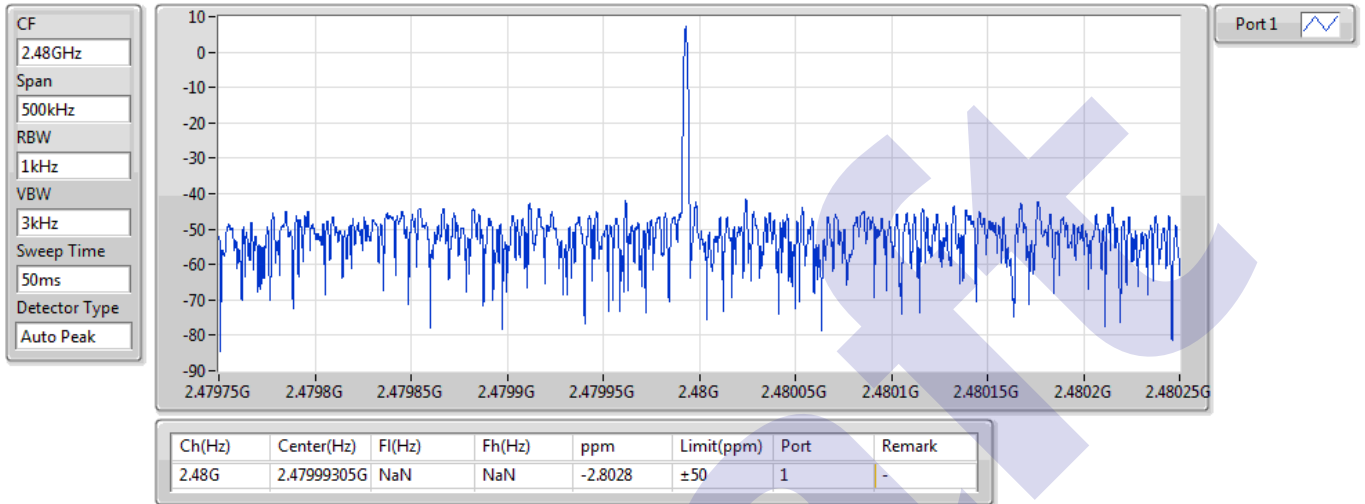
### 2480MHz\_TnomVmin



BT-LE(2Mbps)

Freq. Stability

2480MHz\_TnomVmax





## Summary

Mode	Max-OBW (Hz)	ITU-Code	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-
BT-LE(125kbps)	1.263M	1M26F1D	1.253M

**Max-OBW** = Maximum 99% occupied bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

## Result

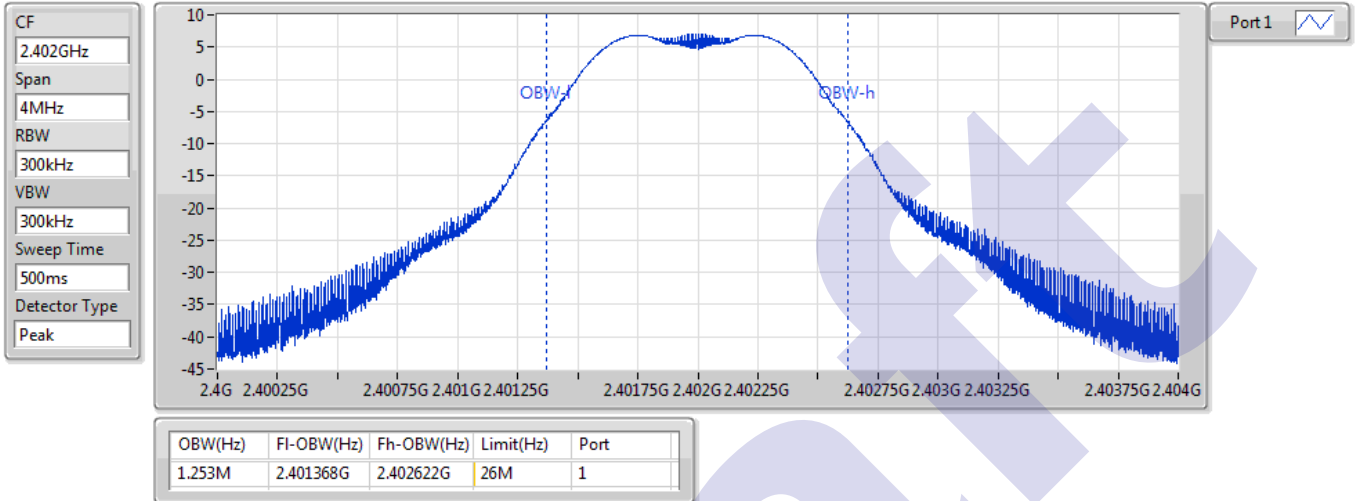
Mode	Result	Limit (Hz)	P1-OBW (Hz)
BT-LE(125kbps)	-	-	-
2402MHz_TnomVnom	Pass	26M	1.253M
2402MHz_TnomVmin	Pass	26M	1.253M
2402MHz_TnomVmax	Pass	26M	1.253M
2440MHz_TnomVnom	Pass	26M	1.261M
2440MHz_TnomVmin	Pass	26M	1.261M
2440MHz_TnomVmax	Pass	26M	1.263M
2480MHz_TnomVnom	Pass	26M	1.261M
2480MHz_TnomVmin	Pass	26M	1.259M
2480MHz_TnomVmax	Pass	26M	1.259M

**P1-OBW** = Port 1 99% occupied bandwidth;; **Pn-OBW** = Port n 99% occupied bandwidth

## BT-LE(125kbps)

OBW

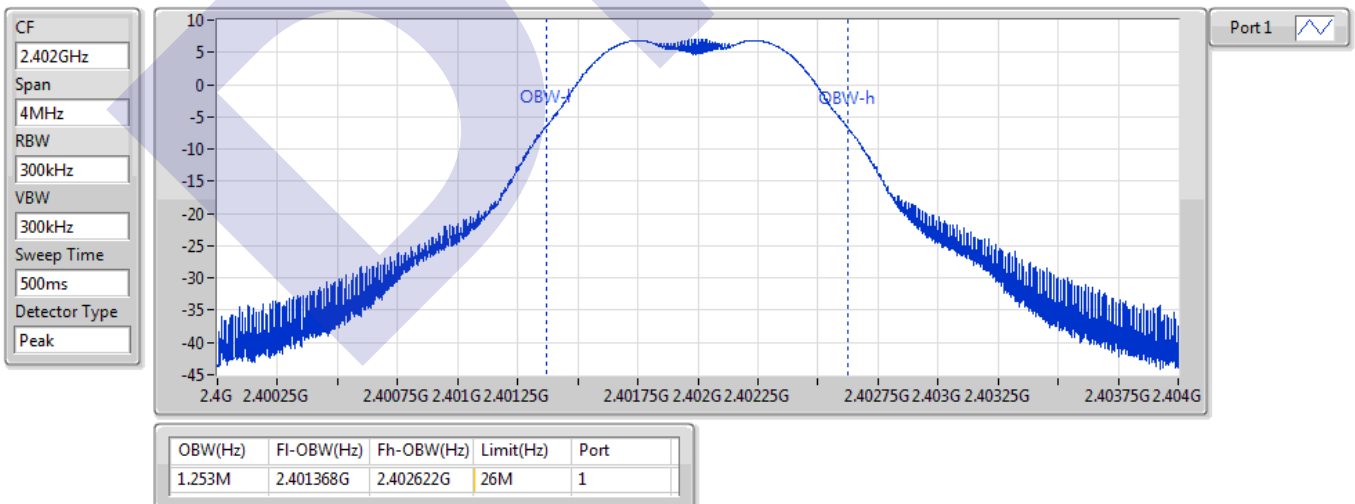
### 2402MHz\_TnomVnom



## BT-LE(125kbps)

OBW

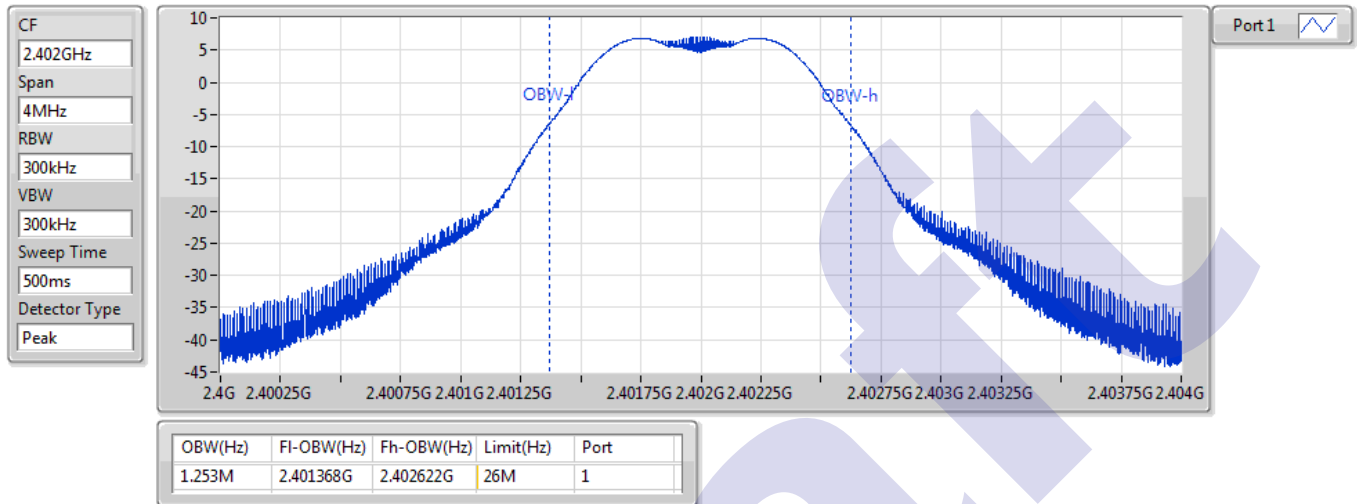
### 2402MHz\_TnomVmin



## BT-LE(125kbps)

OBW

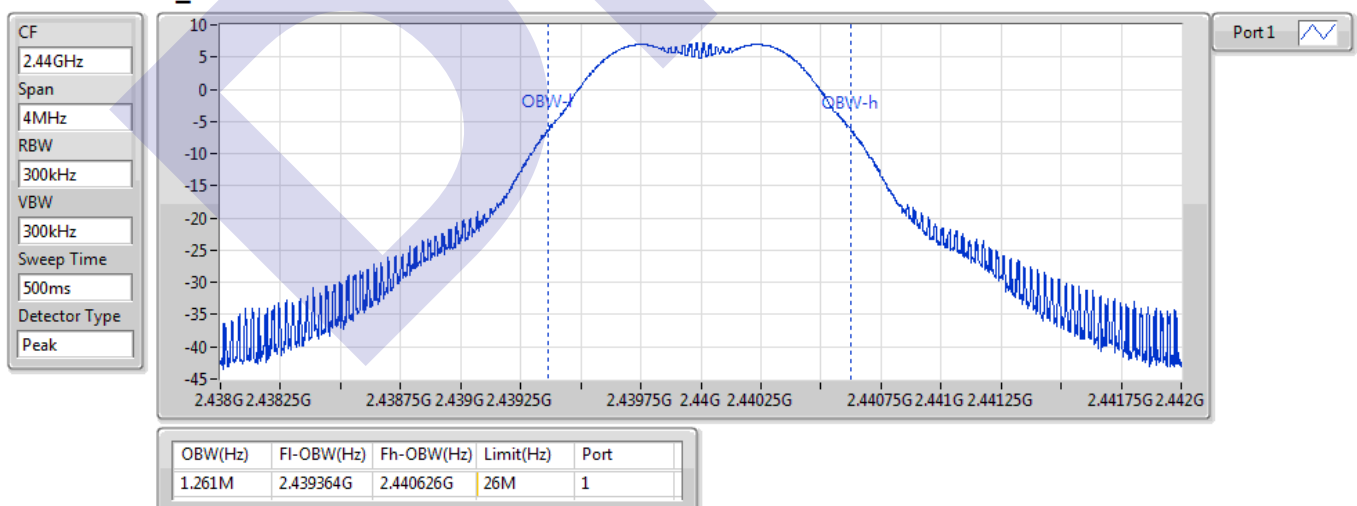
### 2402MHz\_TnomVmax



## BT-LE(125kbps)

OBW

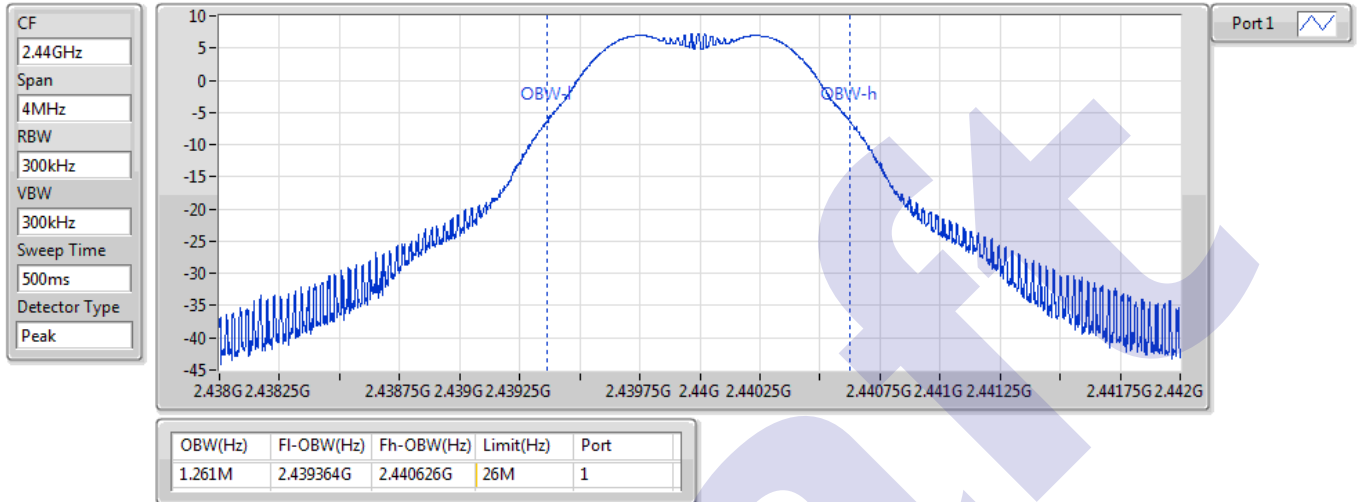
### 2440MHz\_TnomVnom



## BT-LE(125kbps)

OBW

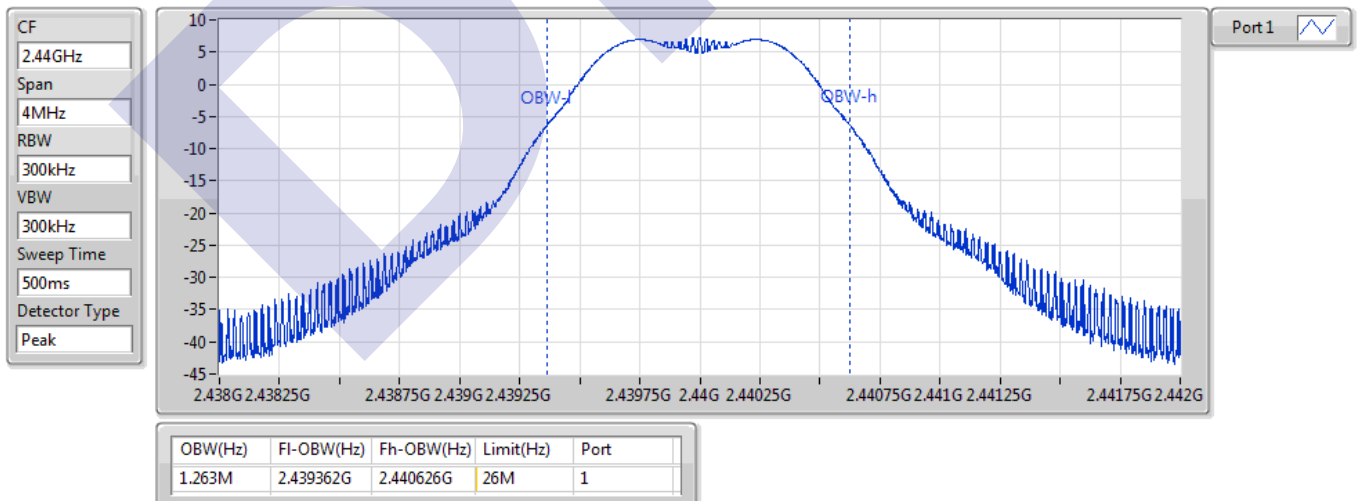
### 2440MHz\_TnomVmin



## BT-LE(125kbps)

OBW

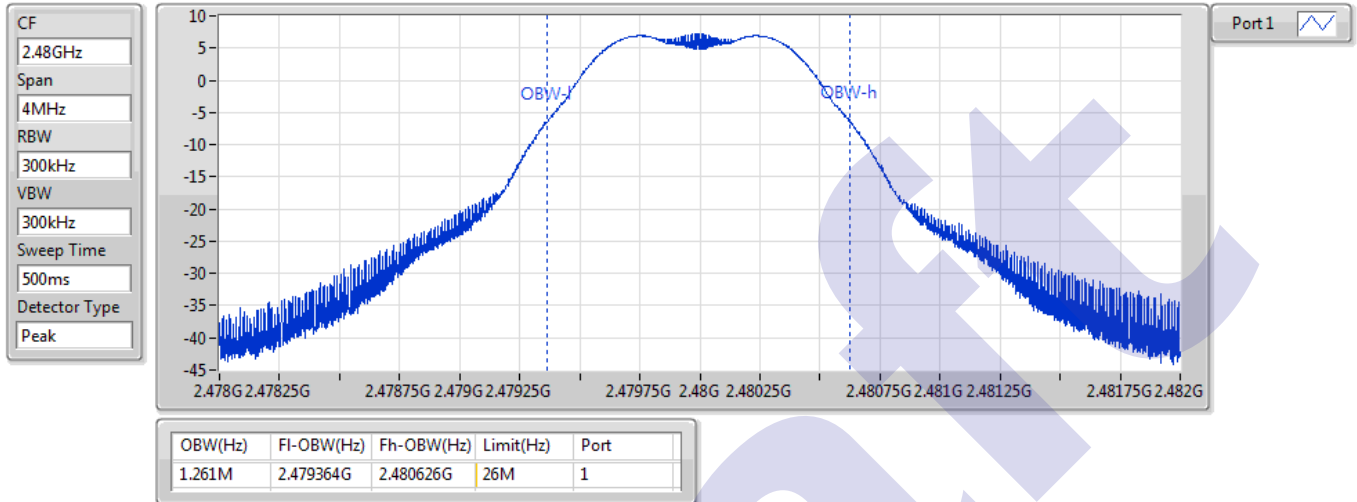
### 2440MHz\_TnomVmax



## BT-LE(125kbps)

OBW

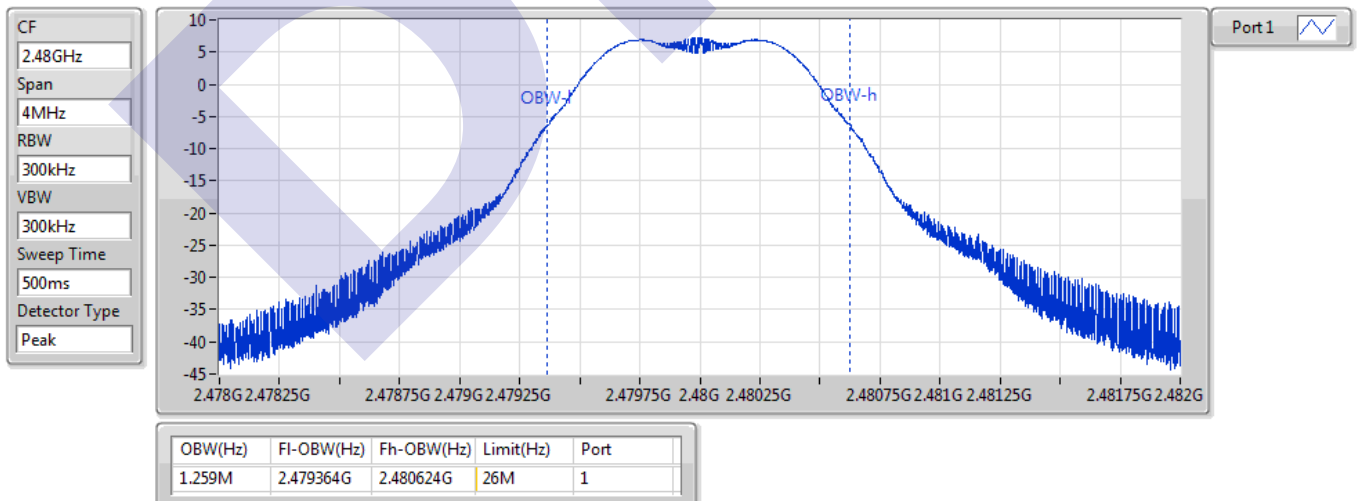
### 2480MHz\_TnomVnom



## BT-LE(125kbps)

OBW

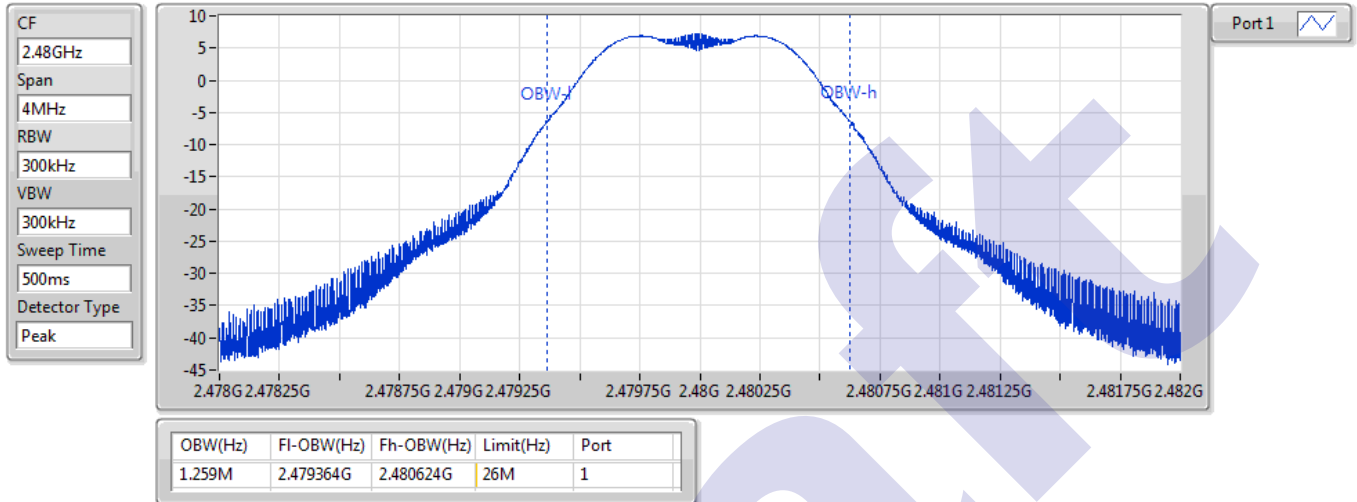
### 2480MHz\_TnomVmin



BT-LE(125kbps)

OBW

2480MHz\_TnomVmax



## Summary

Mode	Max-OBW (Hz)	ITU-Code	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-
BT-LE(500kbps)	1.289M	1M28F1D	1.279M

**Max-OBW** = Maximum 99% occupied bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

## Result

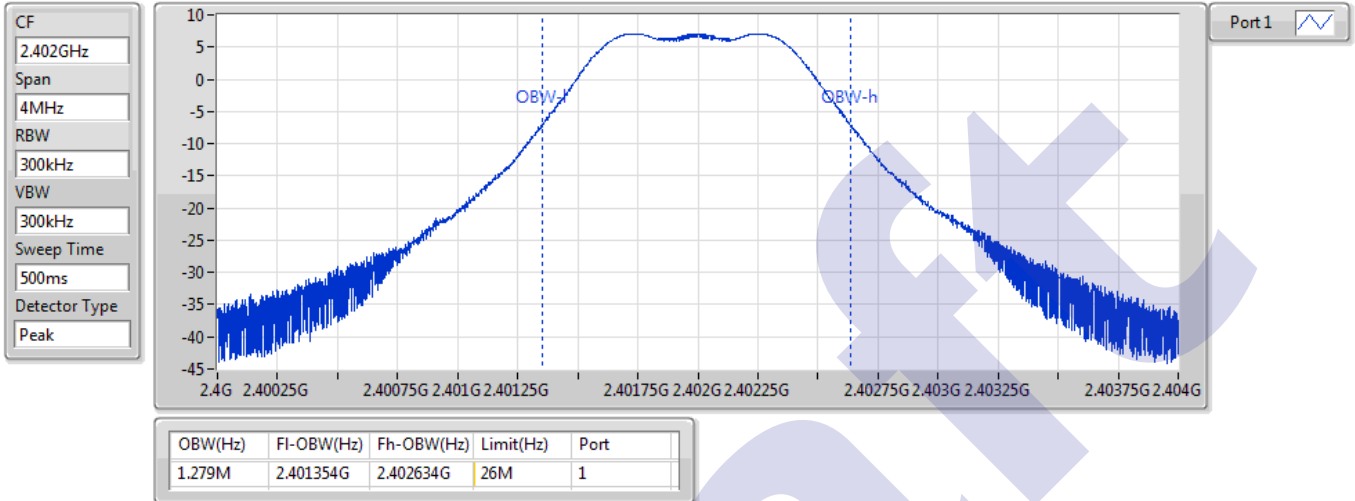
Mode	Result	Limit (Hz)	P1-OBW (Hz)
BT-LE(500kbps)	-	-	-
2402MHz_TnomVnom	Pass	26M	1.279M
2402MHz_TnomVmin	Pass	26M	1.279M
2402MHz_TnomVmax	Pass	26M	1.279M
2440MHz_TnomVnom	Pass	26M	1.287M
2440MHz_TnomVmin	Pass	26M	1.289M
2440MHz_TnomVmax	Pass	26M	1.287M
2480MHz_TnomVnom	Pass	26M	1.289M
2480MHz_TnomVmin	Pass	26M	1.287M
2480MHz_TnomVmax	Pass	26M	1.287M

**P1-OBW** = Port 1 99% occupied bandwidth; **Pn-OBW** = Port n 99% occupied bandwidth

## BT-LE(500kbps)

OBW

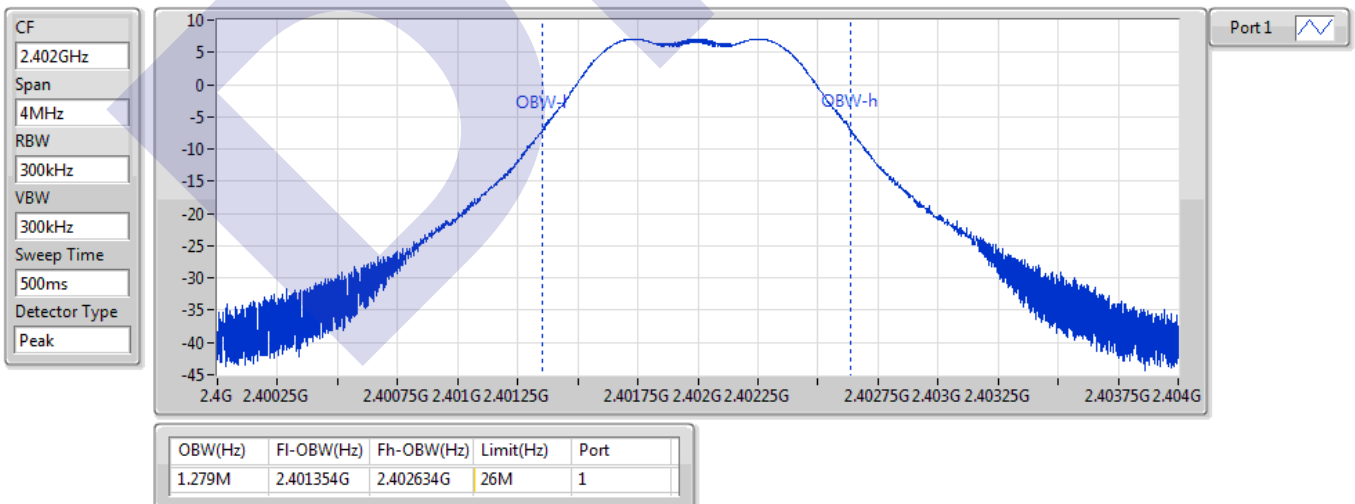
### 2402MHz\_TnomVnom



## BT-LE(500kbps)

OBW

### 2402MHz\_TnomVmin

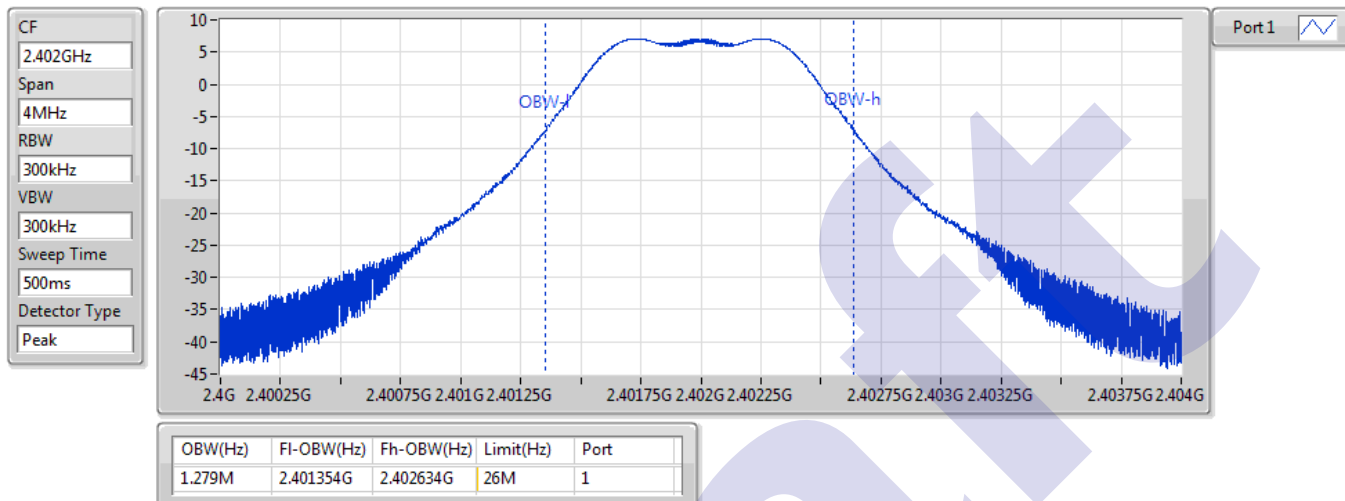




## BT-LE(500kbps)

OBW

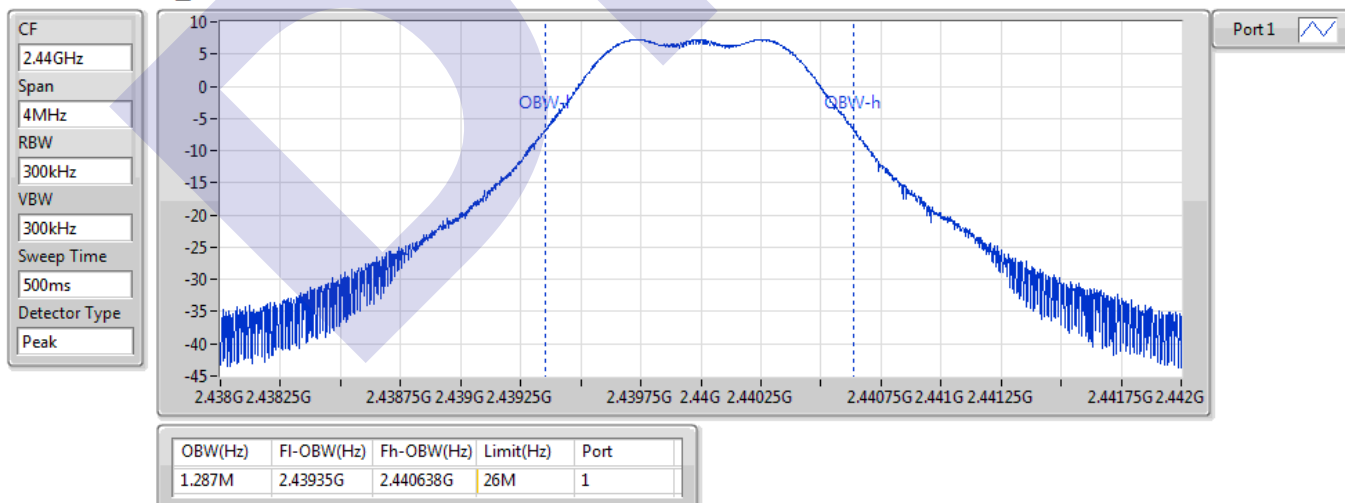
### 2402MHz\_TnomVmax



## BT-LE(500kbps)

OBW

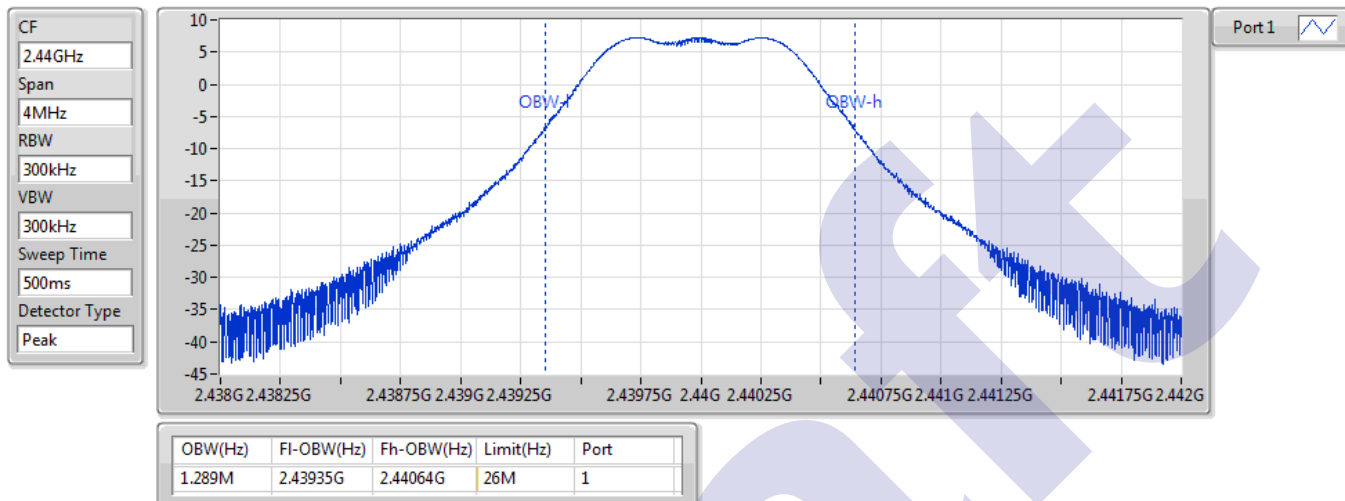
### 2440MHz\_TnomVnom



## BT-LE(500kbps)

OBW

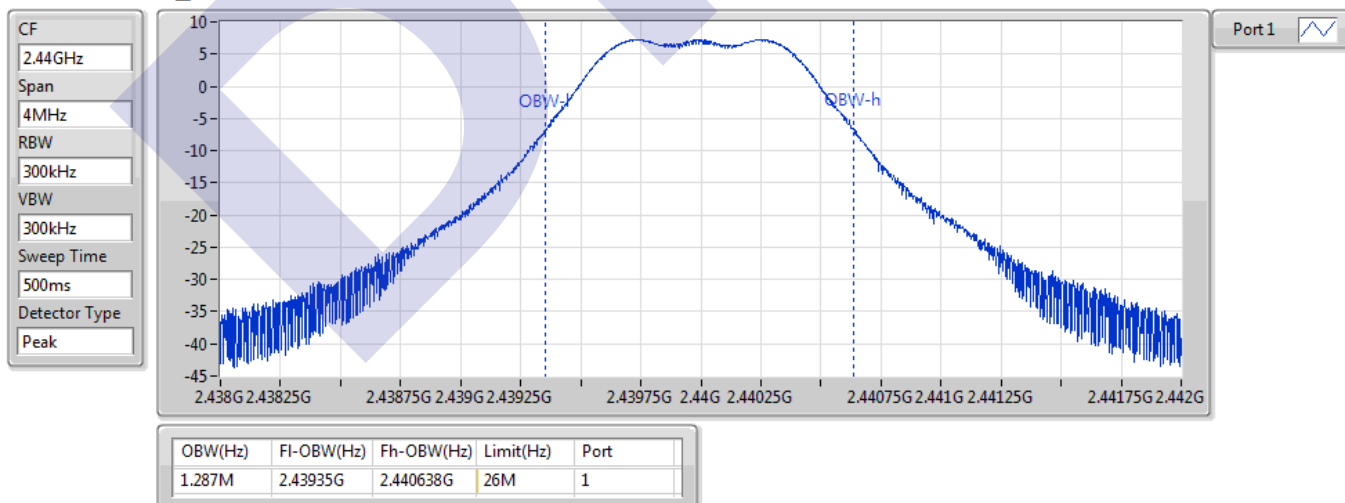
### 2440MHz\_TnomVmin



## BT-LE(500kbps)

OBW

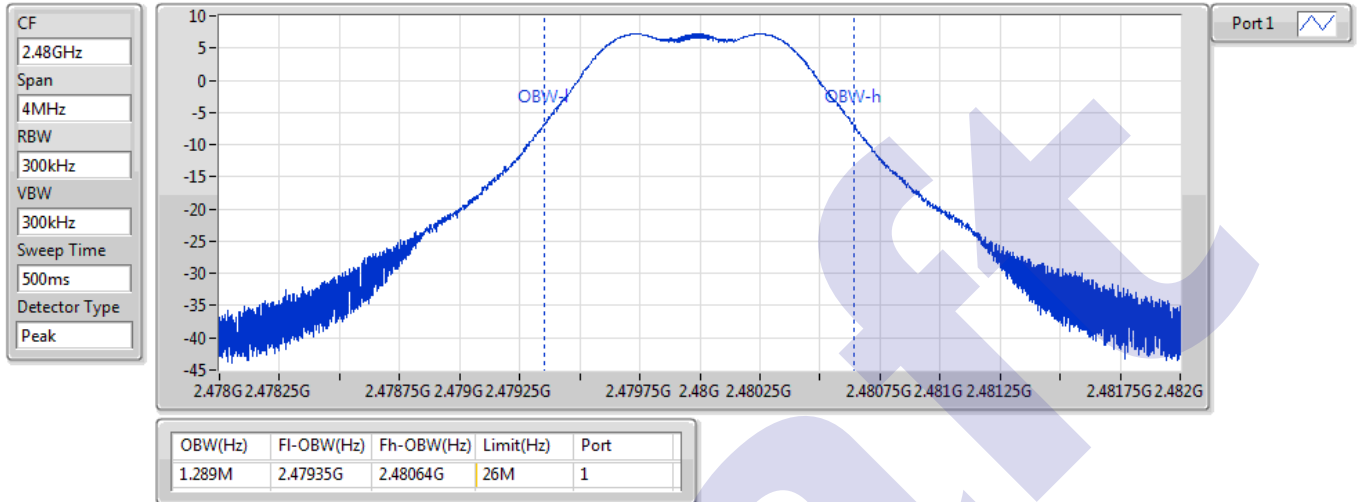
### 2440MHz\_TnomVmax



## BT-LE(500kbps)

OBW

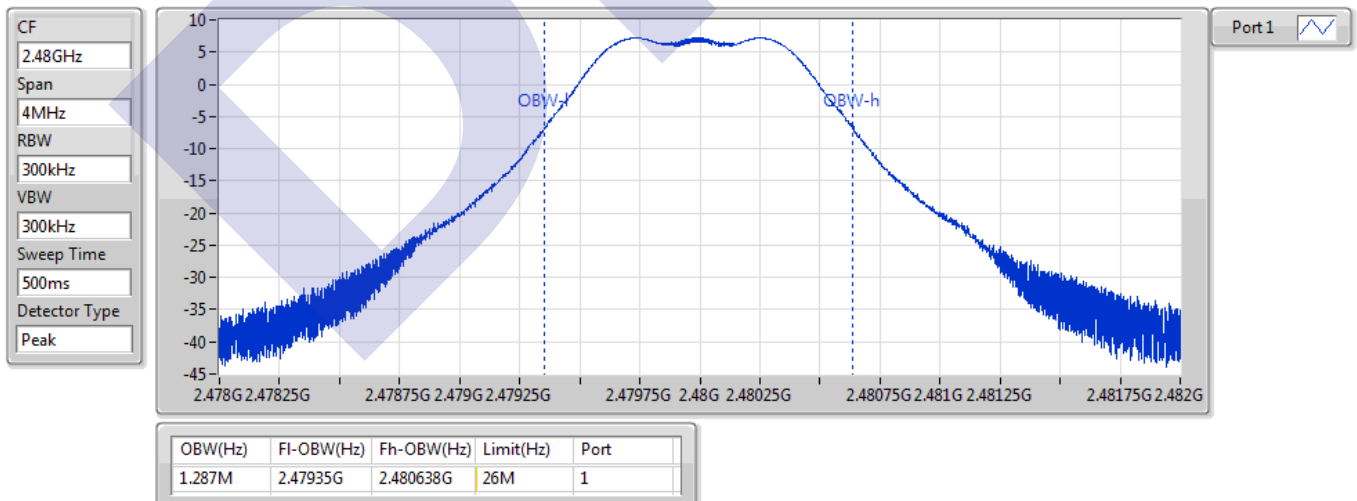
### 2480MHz\_TnomVnom



## BT-LE(500kbps)

OBW

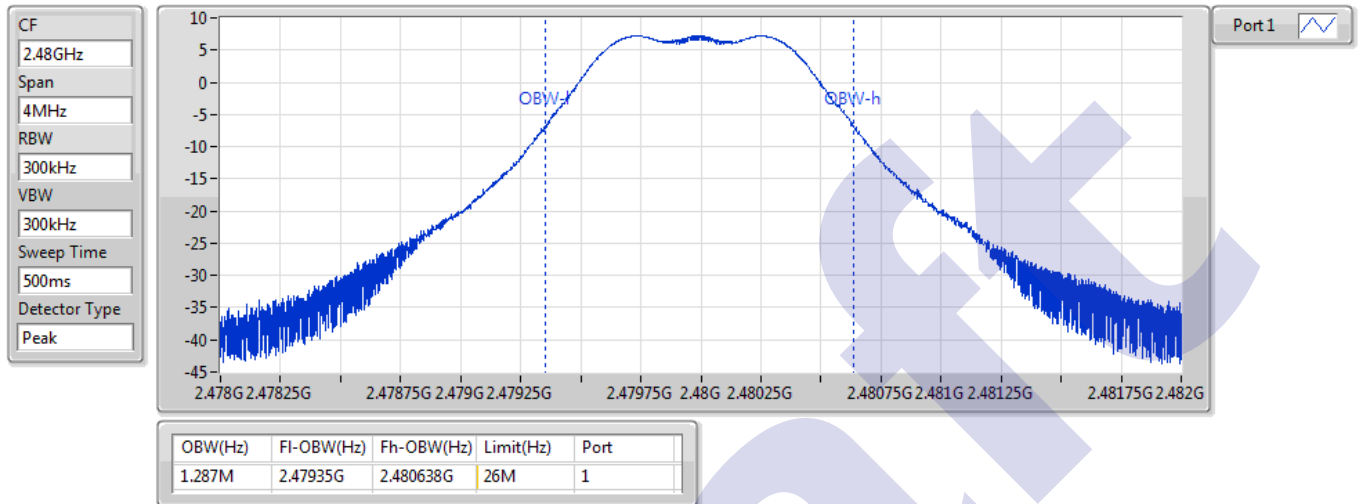
### 2480MHz\_TnomVmin



BT-LE(500kbps)

OBW

2480MHz\_TnomVmax



## Summary

Mode	Max-OBW (Hz)	ITU-Code	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-
BT-LE(1Mbps)	1.274M	1M27F1D	1.266M

**Max-OBW** = Maximum 99% occupied bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

## Result

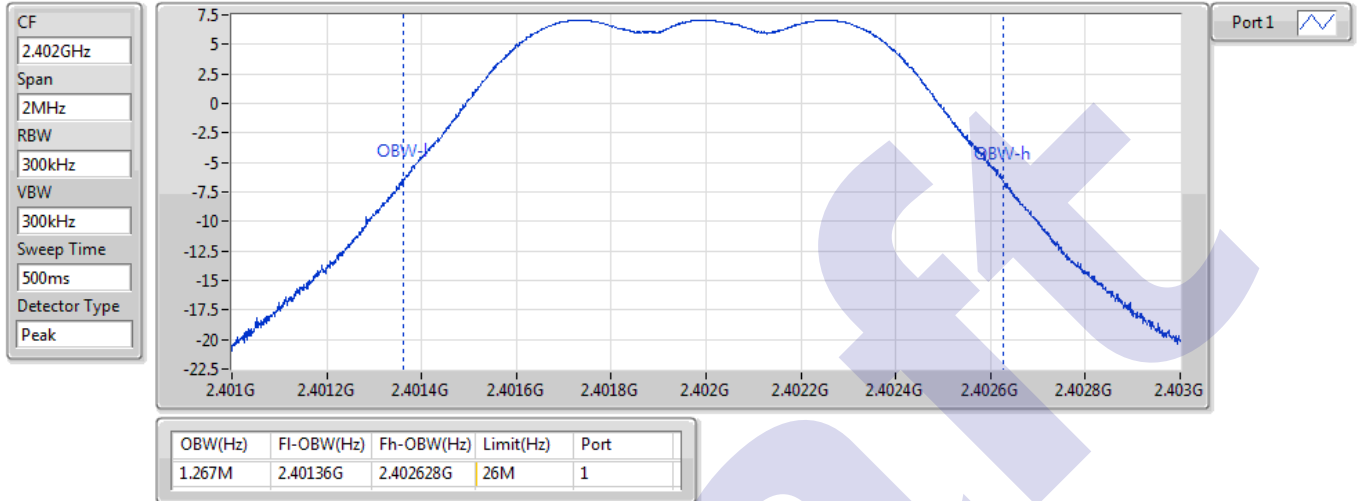
Mode	Result	Limit (Hz)	P1-OBW (Hz)
BT-LE(1Mbps)	-	-	-
2402MHz_TnomVnom	Pass	26M	1.267M
2402MHz_TnomVmin	Pass	26M	1.266M
2402MHz_TnomVmax	Pass	26M	1.266M
2440MHz_TnomVnom	Pass	26M	1.274M
2440MHz_TnomVmin	Pass	26M	1.274M
2440MHz_TnomVmax	Pass	26M	1.274M
2480MHz_TnomVnom	Pass	26M	1.273M
2480MHz_TnomVmin	Pass	26M	1.273M
2480MHz_TnomVmax	Pass	26M	1.273M

**P1-OBW** = Port 1 99% occupied bandwidth; **P2-OBW** = Port 2 99% occupied bandwidth; **Pn-OBW** = Port n 99% occupied bandwidth

## BT-LE(1Mbps)

OBW

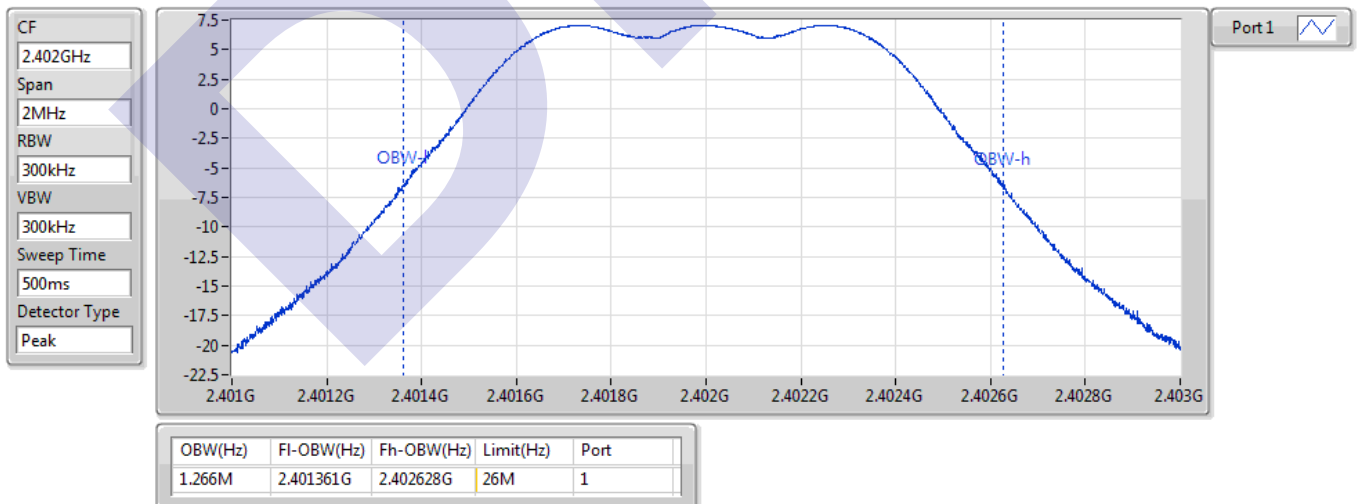
### 2402MHz\_TnomVnom



## BT-LE(1Mbps)

OBW

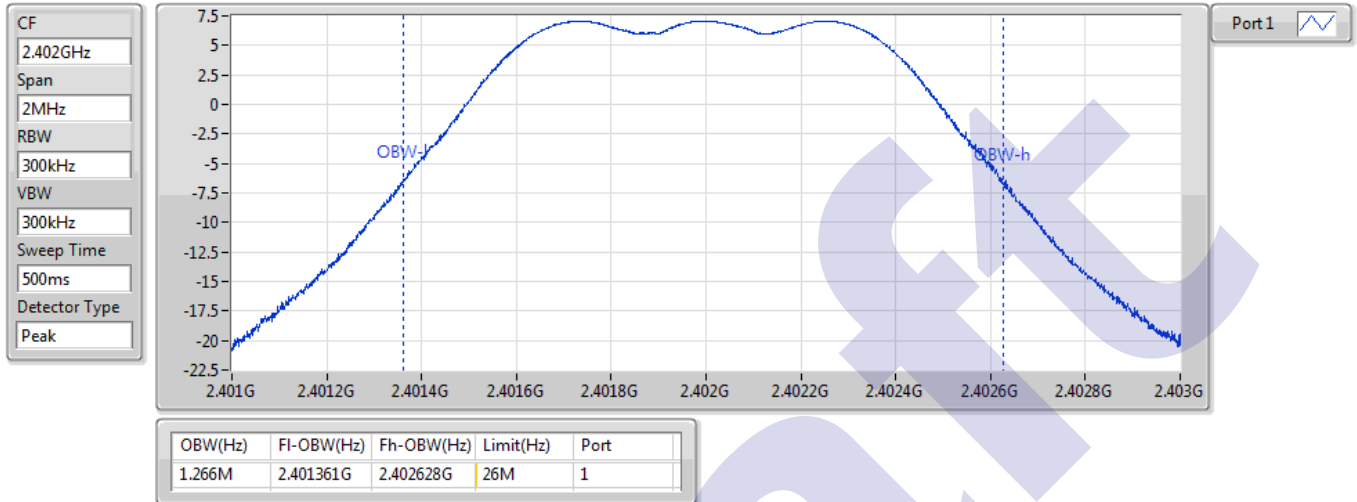
### 2402MHz\_TnomVmin



## BT-LE(1Mbps)

## OBW

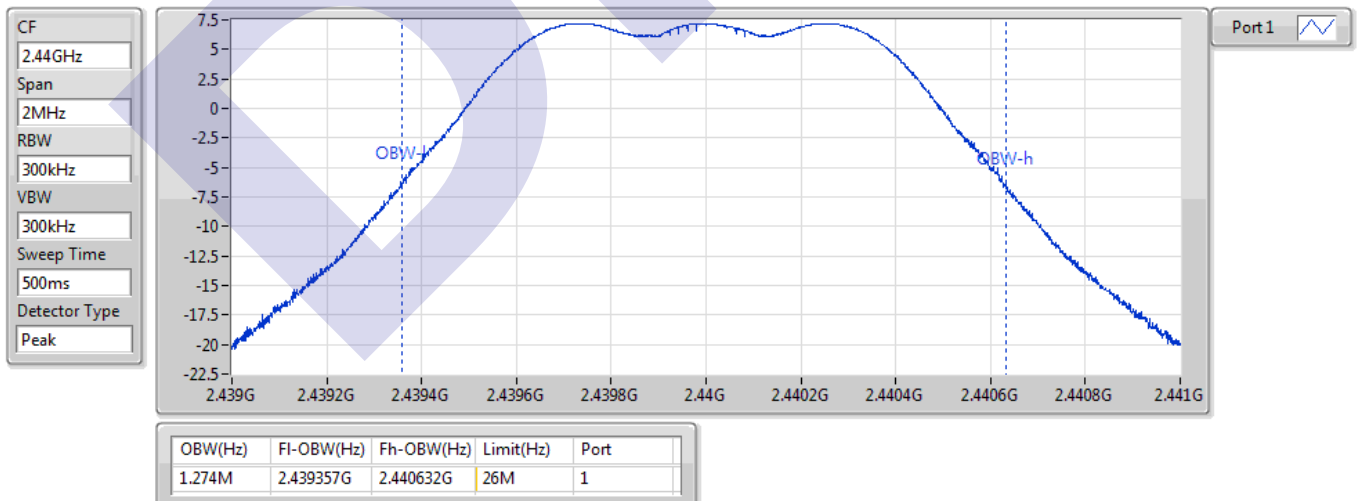
### 2402MHz\_TnomVmax



## BT-LE(1Mbps)

## OBW

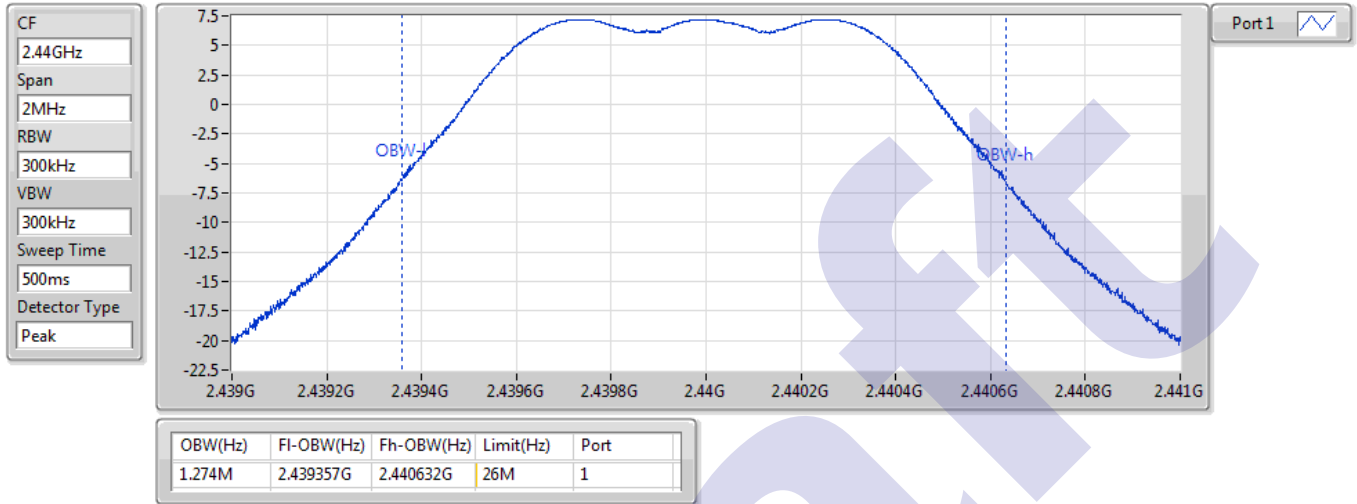
### 2440MHz\_TnomVnom



## BT-LE(1Mbps)

OBW

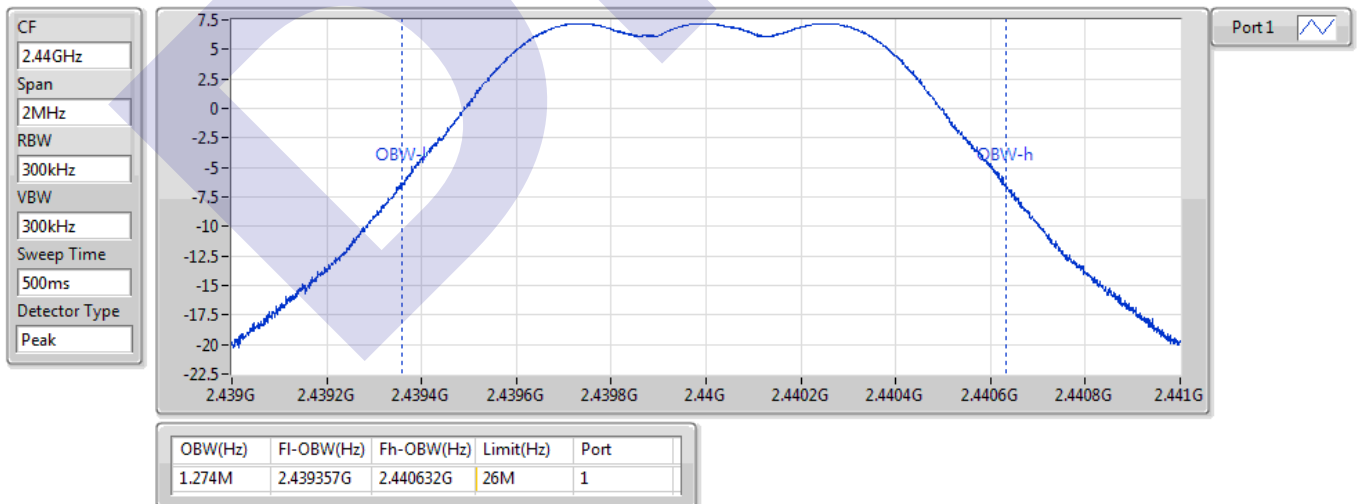
### 2440MHz\_TnomVmin



## BT-LE(1Mbps)

OBW

### 2440MHz\_TnomVmax

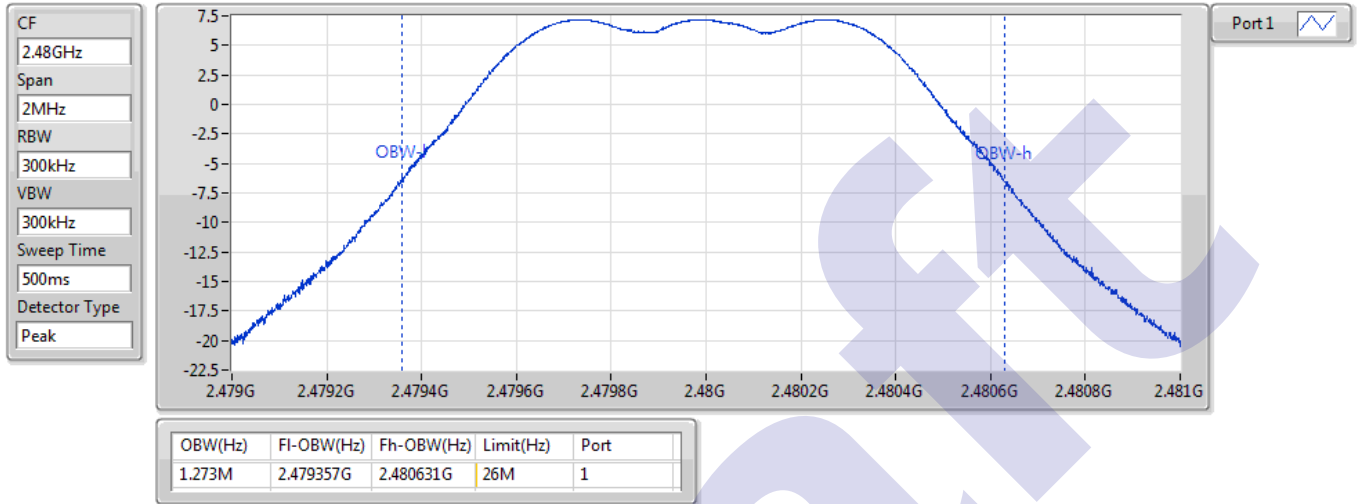




## BT-LE(1Mbps)

OBW

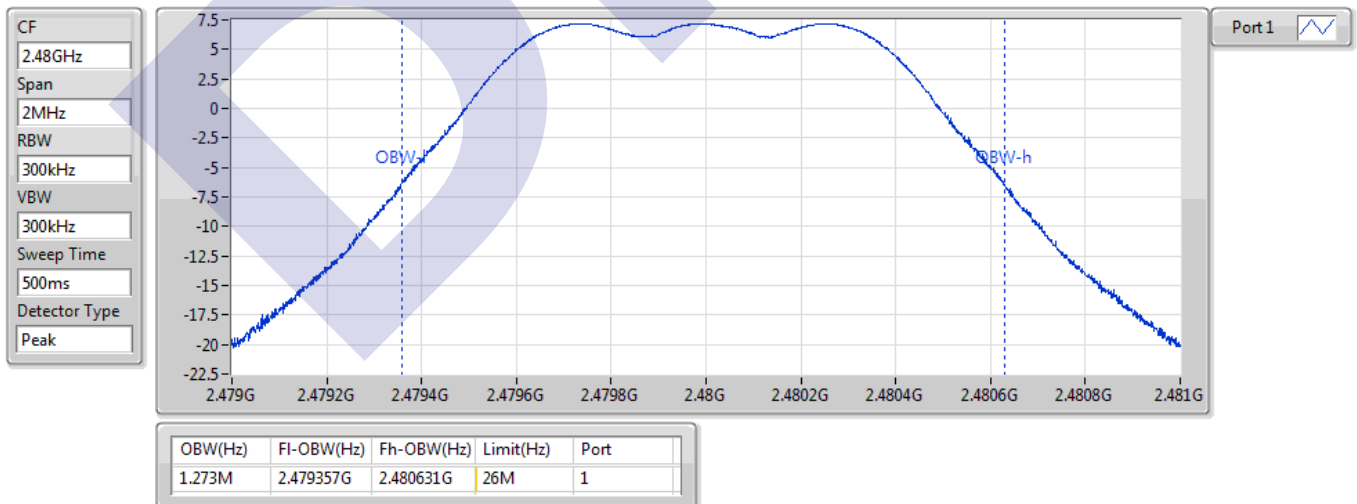
### 2480MHz\_TnomVnom



## BT-LE(1Mbps)

OBW

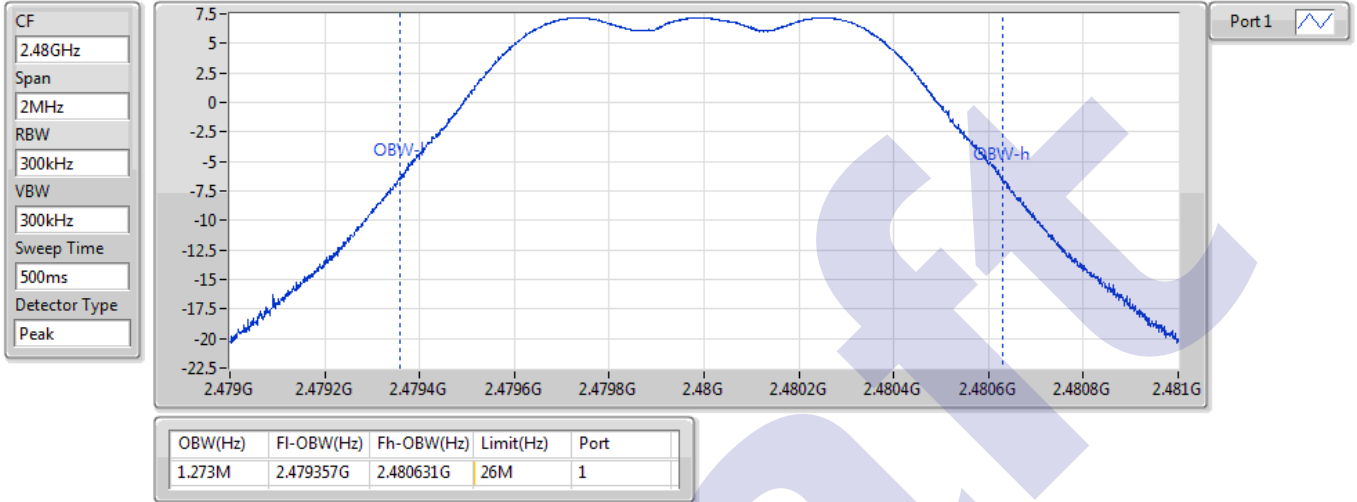
### 2480MHz\_TnomVmin



BT-LE(1Mbps)

OBW

2480MHz\_TnomVmax



## Summary

Mode	Max-OBW (Hz)	ITU-Code	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-
BT-LE(2Mbps)	2.167M	2M16F1D	2.155M

**Max-OBW** = Maximum 99% occupied bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

## Result

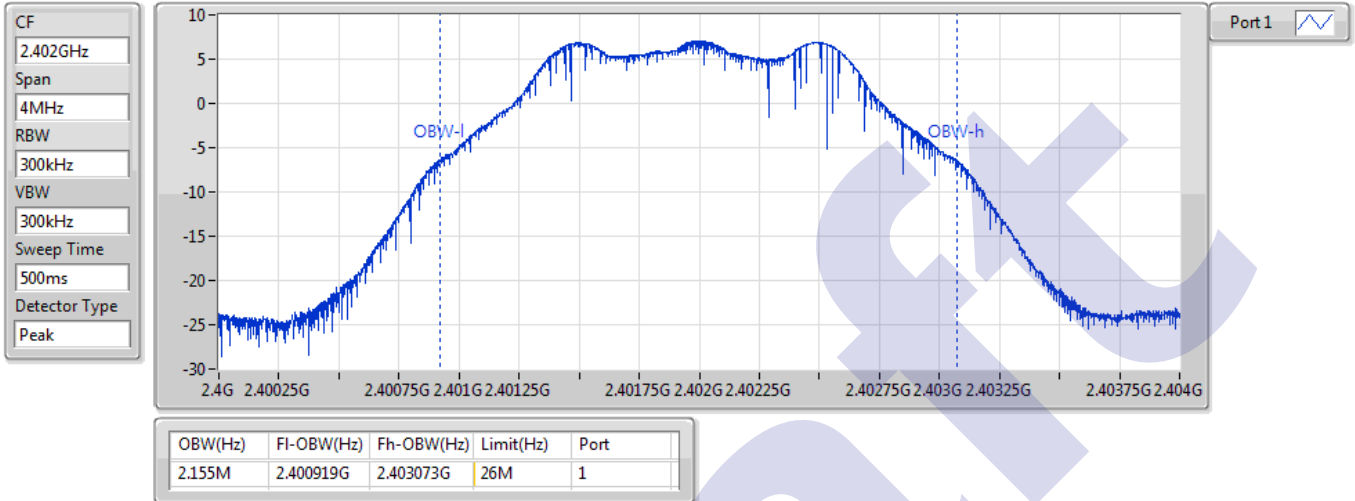
Mode	Result	Limit (Hz)	P1-OBW (Hz)
BT-LE(2Mbps)	-	-	-
2402MHz_TnomVnom	Pass	26M	2.155M
2402MHz_TnomVmin	Pass	26M	2.155M
2402MHz_TnomVmax	Pass	26M	2.155M
2440MHz_TnomVnom	Pass	26M	2.163M
2440MHz_TnomVmin	Pass	26M	2.163M
2440MHz_TnomVmax	Pass	26M	2.163M
2480MHz_TnomVnom	Pass	26M	2.165M
2480MHz_TnomVmin	Pass	26M	2.167M
2480MHz_TnomVmax	Pass	26M	2.165M

**P1-OBW** = Port 1 99% occupied bandwidth;; **Pn-OBW** = Port n 99% occupied bandwidth

## BT-LE(2Mbps)

## OBW

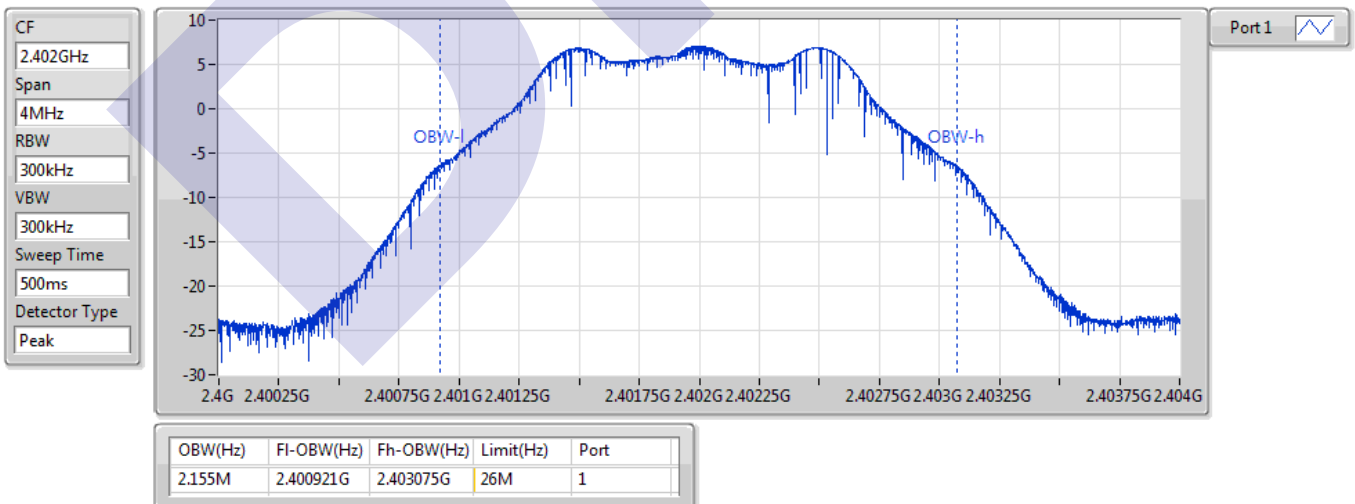
### 2402MHz\_TnomVnom



## BT-LE(2Mbps)

## OBW

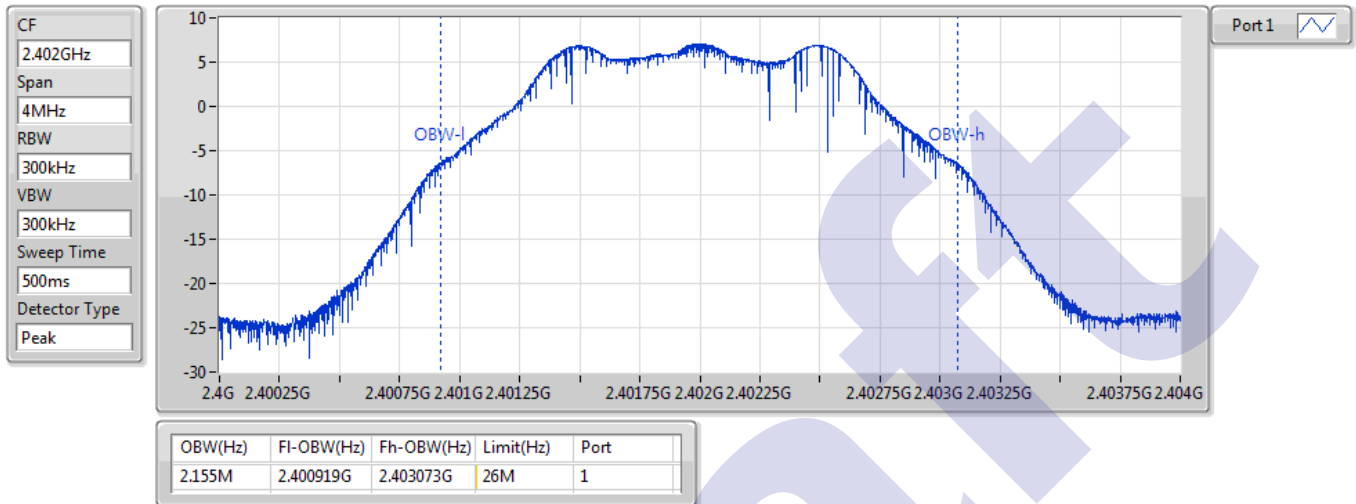
### 2402MHz\_TnomVmin



## BT-LE(2Mbps)

OBW

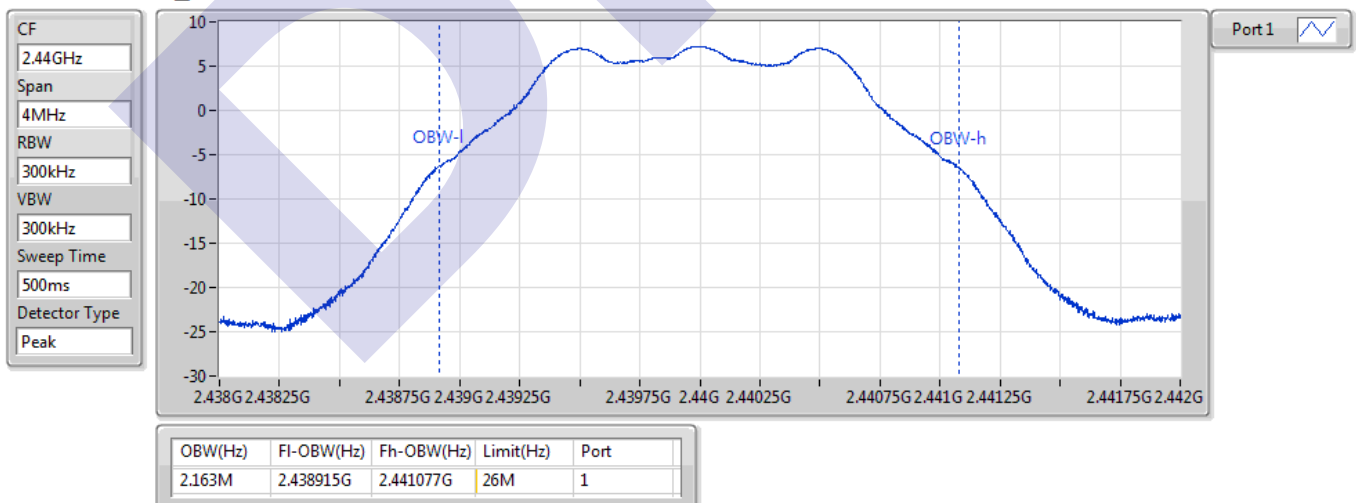
### 2402MHz\_TnomVmax



## BT-LE(2Mbps)

OBW

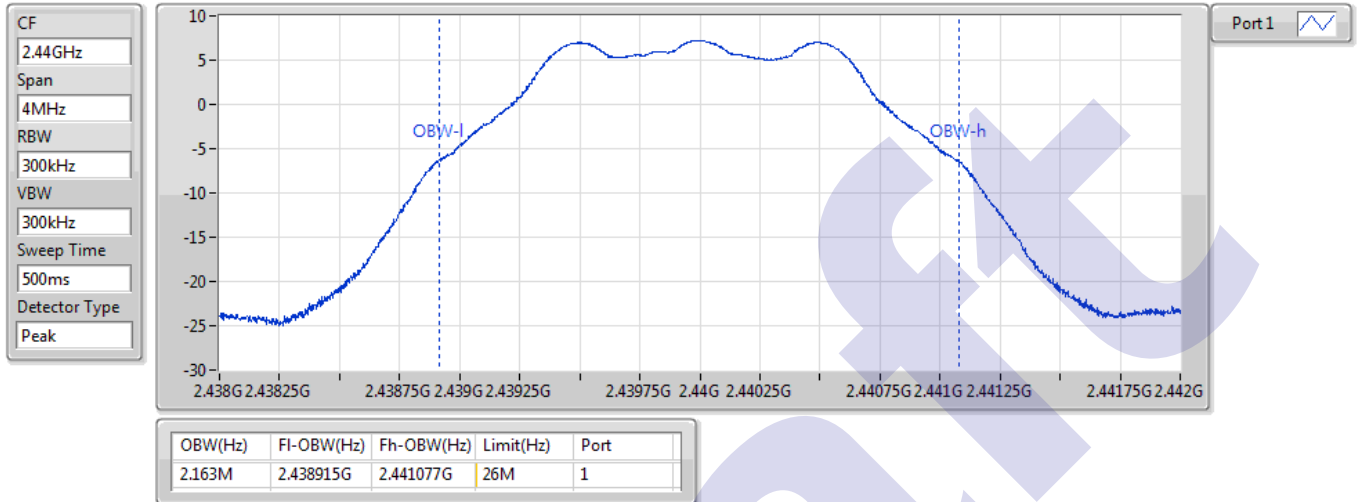
### 2440MHz\_TnomVnom



## BT-LE(2Mbps)

## OBW

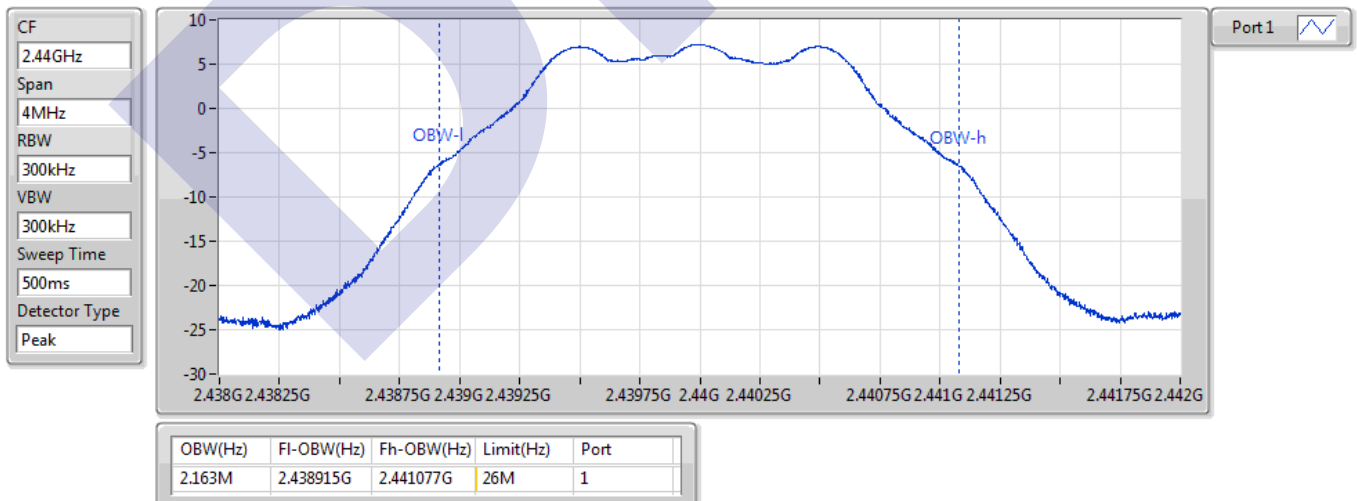
### 2440MHz\_TnomVmin



## BT-LE(2Mbps)

## OBW

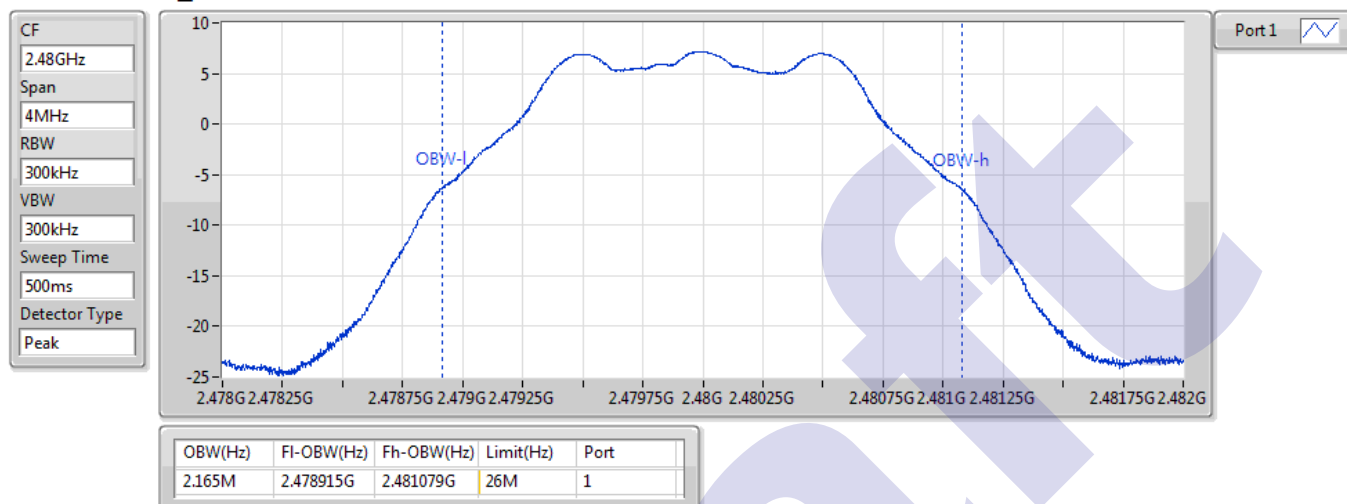
### 2440MHz\_TnomVmax



## BT-LE(2Mbps)

OBW

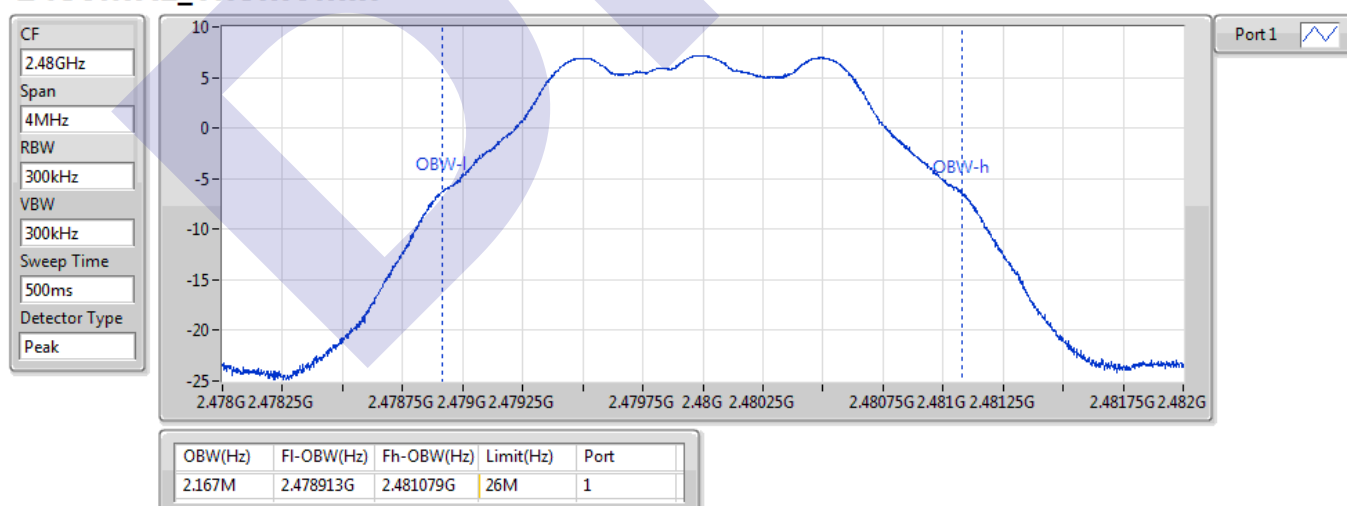
### 2480MHz\_TnomVnom



## BT-LE(2Mbps)

OBW

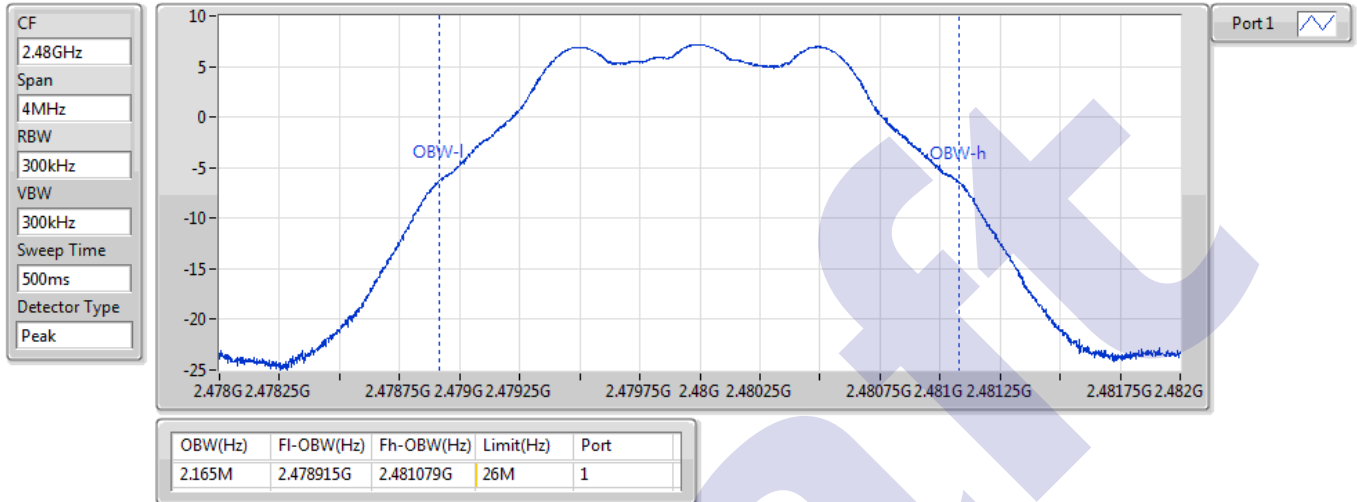
### 2480MHz\_TnomVmin



BT-LE(2Mbps)

OBW

2480MHz\_TnomVmax





**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	2.387G	2.4G	1M	2.4G	-28.98	1.26474	-16.02	25

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	2.387G	1M	2.3705G	-53.22	0.00476	-26.02	2.5
2402MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.4G	-29.00	1.25893	-16.02	25
2402MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.49003G	-55.27	0.00297	-16.02	25
2402MHz_TnomVnom	Pass	2.4965G	12.5G	1M	12.4975G	-45.18	0.03034	-26.02	2.5
2402MHz_TnomVmin	Pass	30M	2.387G	1M	2.3705G	-53.43	0.00454	-26.02	2.5
2402MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.4G	-29.00	1.25893	-16.02	25
2402MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48992G	-55.25	0.00299	-16.02	25
2402MHz_TnomVmin	Pass	2.4965G	12.5G	1M	10.52431G	-45.03	0.03141	-26.02	2.5
2402MHz_TnomVmax	Pass	30M	2.387G	1M	2.3705G	-53.49	0.00448	-26.02	2.5
2402MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.4G	-28.98	1.26474	-16.02	25
2402MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48995G	-55.35	0.00292	-16.02	25
2402MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.46499G	-45.23	0.02999	-26.02	2.5
2440MHz_TnomVnom	Pass	30M	2.387G	1M	2.31275G	-55.45	0.00285	-26.02	2.5
2440MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39207G	-54.80	0.00331	-16.02	25
2440MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.4881G	-54.44	0.0036	-16.02	25
2440MHz_TnomVnom	Pass	2.4965G	12.5G	1M	12.49625G	-45.12	0.03076	-26.02	2.5
2440MHz_TnomVmin	Pass	30M	2.387G	1M	2.33632G	-55.25	0.00299	-26.02	2.5
2440MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39202G	-54.81	0.0033	-16.02	25
2440MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48808G	-54.36	0.00366	-16.02	25
2440MHz_TnomVmin	Pass	2.4965G	12.5G	1M	10.52181G	-45.33	0.02931	-26.02	2.5
2440MHz_TnomVmax	Pass	30M	2.387G	1M	2.321G	-55.30	0.00295	-26.02	2.5
2440MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39204G	-54.91	0.00323	-16.02	25
2440MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48805G	-54.44	0.0036	-16.02	25
2440MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.49875G	-45.11	0.03083	-26.02	2.5
2480MHz_TnomVnom	Pass	30M	2.387G	1M	2.321G	-55.04	0.00313	-26.02	2.5
2480MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39992G	-55.20	0.00302	-16.02	25
2480MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.488G	-48.25	0.01496	-16.02	25
2480MHz_TnomVnom	Pass	2.4965G	12.5G	1M	10.51681G	-45.16	0.03048	-26.02	2.5
2480MHz_TnomVmin	Pass	30M	2.387G	1M	2.30451G	-55.74	0.00267	-26.02	2.5
2480MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39992G	-55.16	0.00305	-16.02	25
2480MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48802G	-48.23	0.01503	-16.02	25



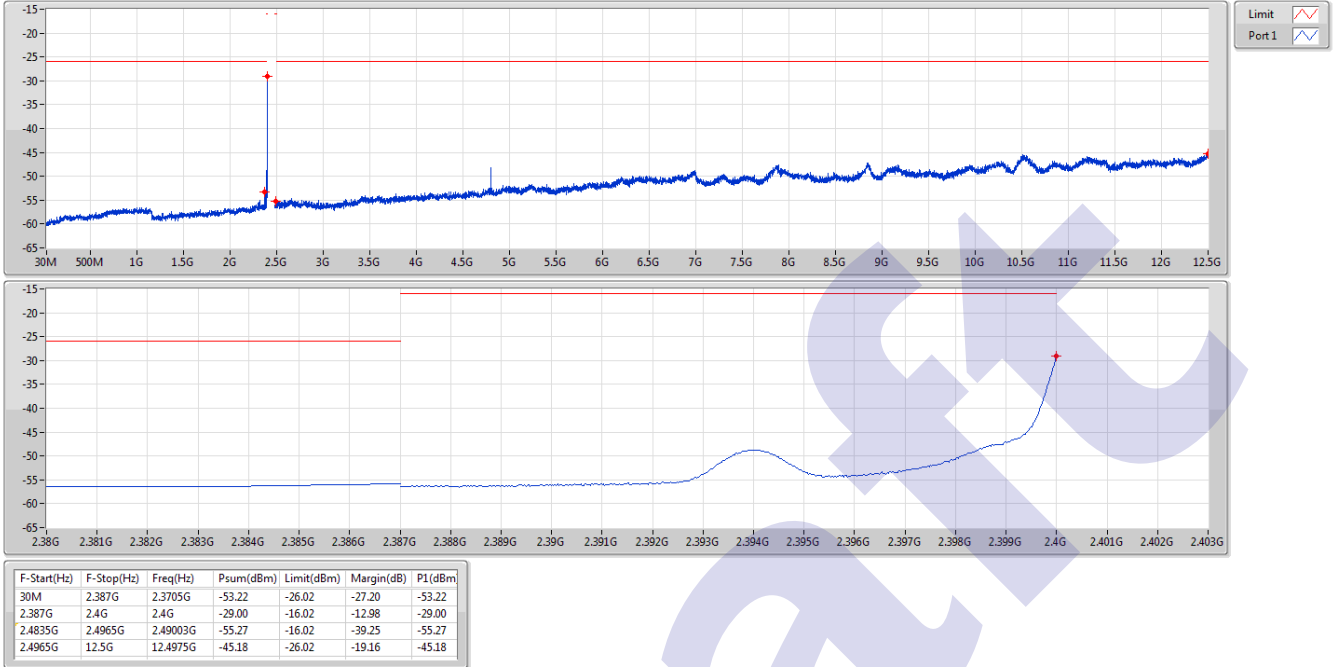
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2480MHz_TnomVmin	Pass	2.4965G	12.5G	1M	12.49875G	-45.36	0.02911	-26.02	2.5
2480MHz_TnomVmax	Pass	30M	2.387G	1M	2.321G	-55.51	0.00281	-26.02	2.5
2480MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39995G	-55.21	0.00301	-16.02	25
2480MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48802G	-48.32	0.01472	-16.02	25
2480MHz_TnomVmax	Pass	2.4965G	12.5G	1M	10.5018G	-45.33	0.02931	-26.02	2.5

Draft

BT-LE(125kbps)

CSE-TX-DTS

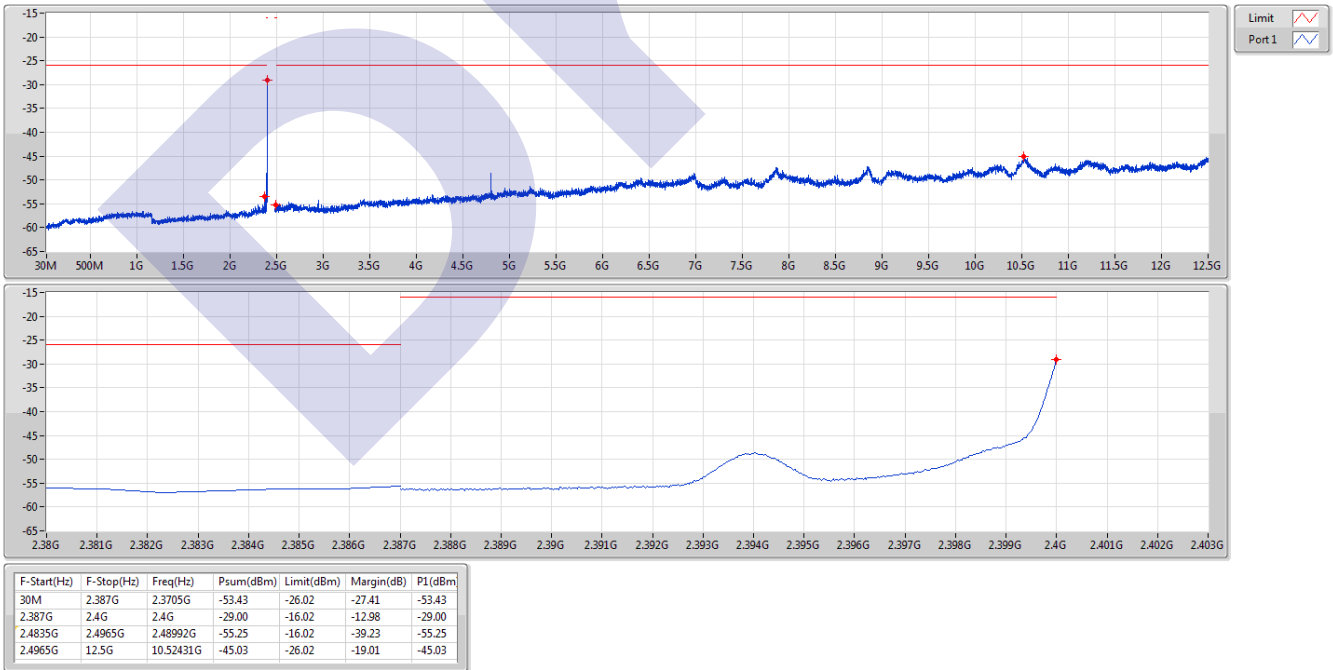
2402MHz\_TnomVnom



BT-LE(125kbps)

CSE-TX-DTS

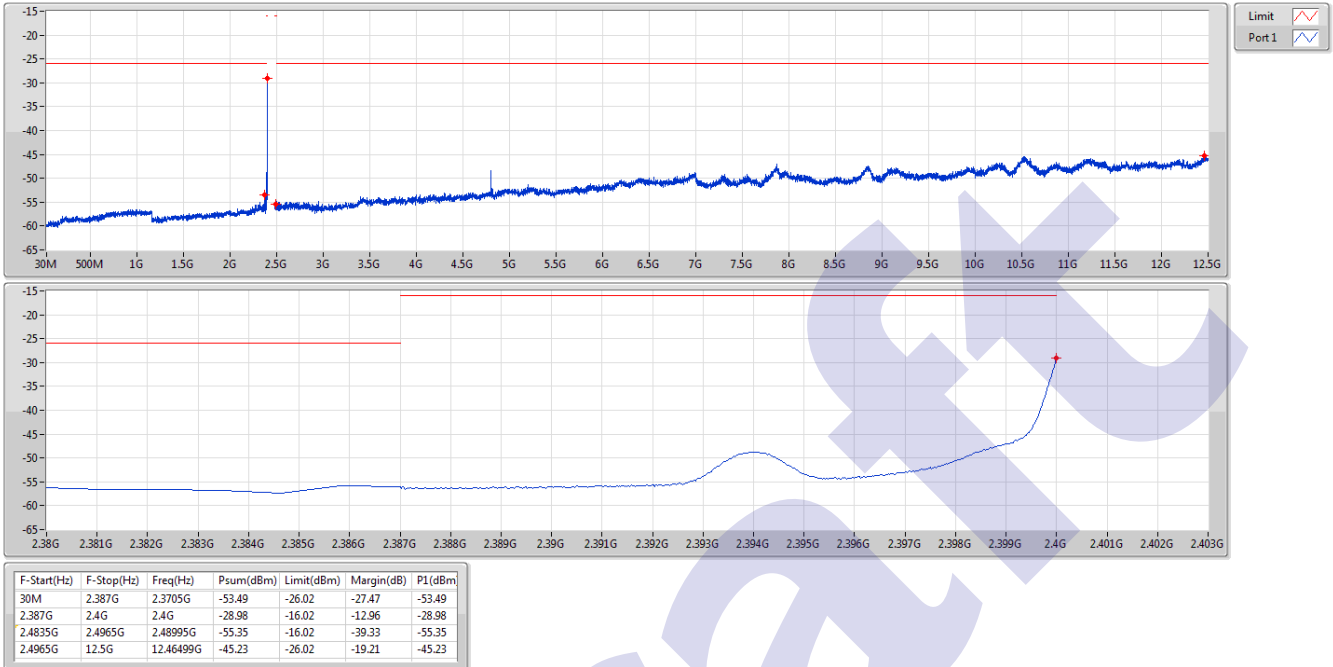
2402MHz\_TnomVmin



BT-LE(125kbps)

CSE-TX-DTS

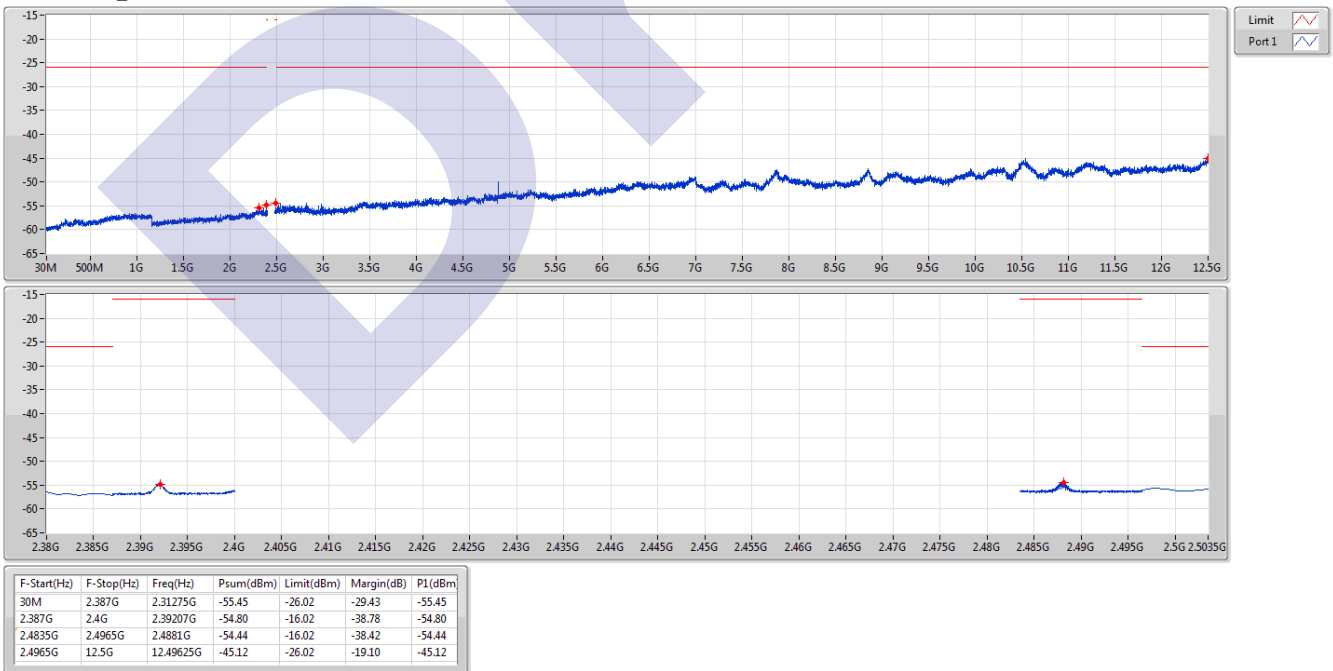
2402MHz\_TnomVmax



BT-LE(125kbps)

CSE-TX-DTS

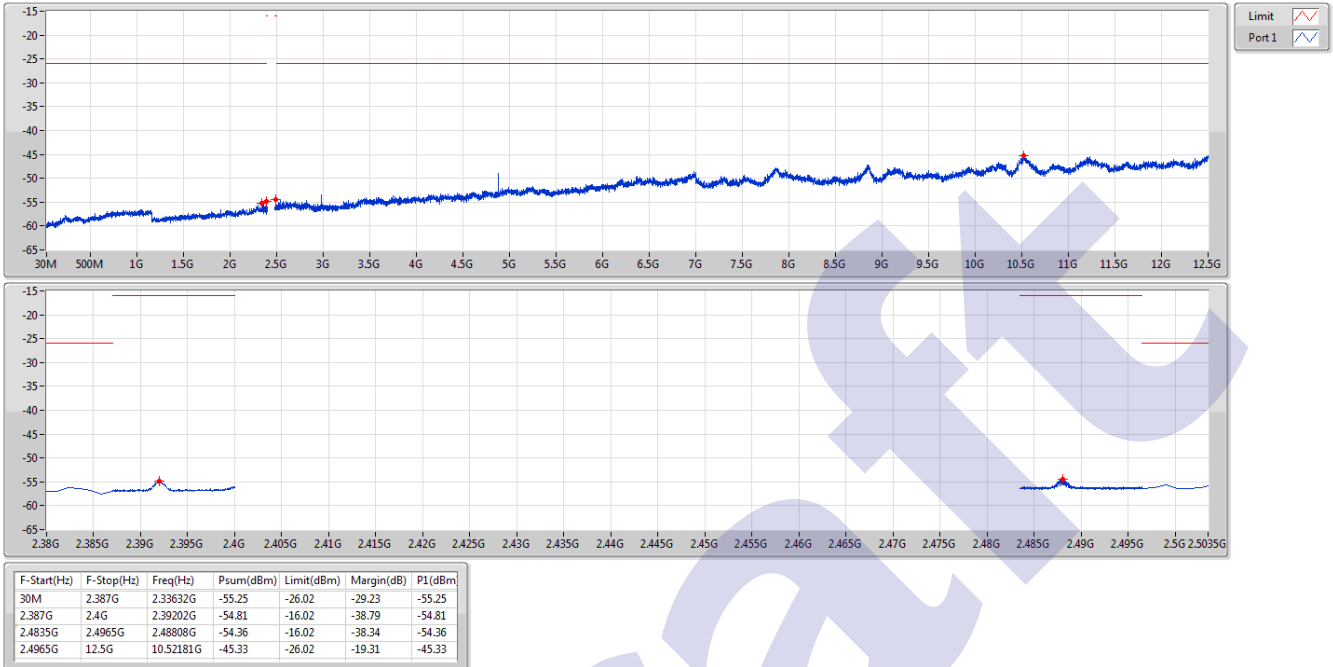
2440MHz\_TnomVnom



BT-LE(125kbps)

CSE-TX-DTS

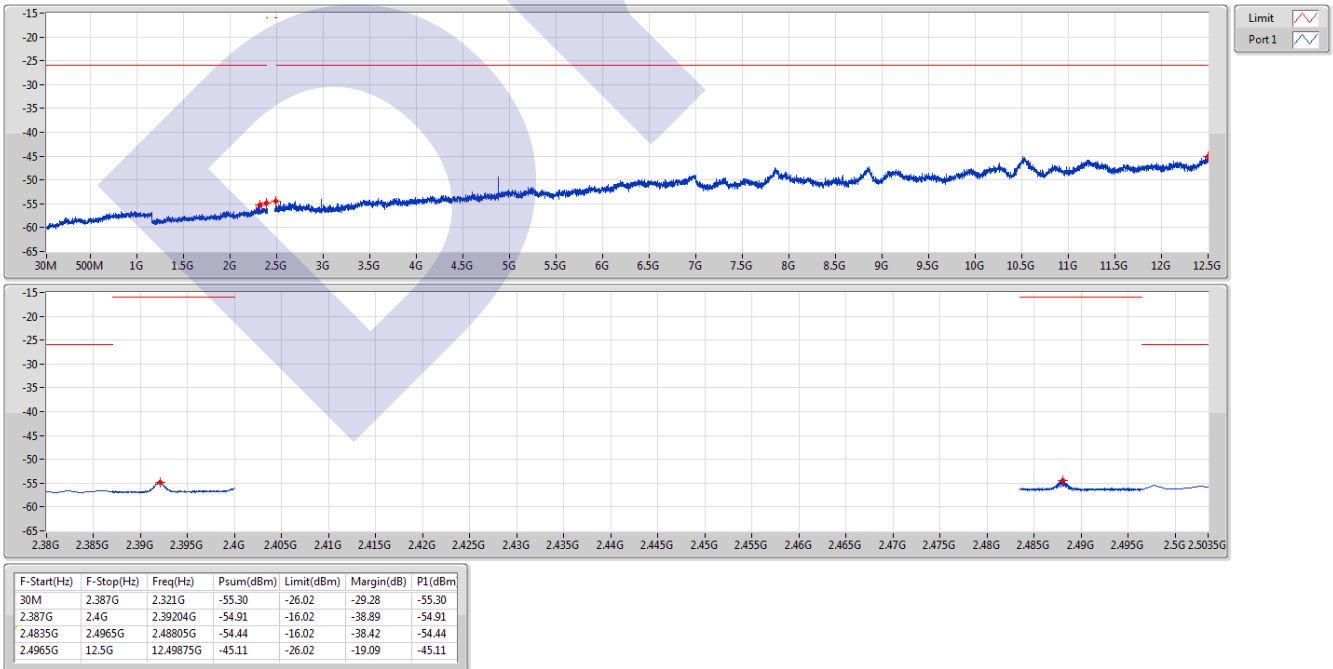
2440MHz\_TnomVmin



BT-LE(125kbps)

CSE-TX-DTS

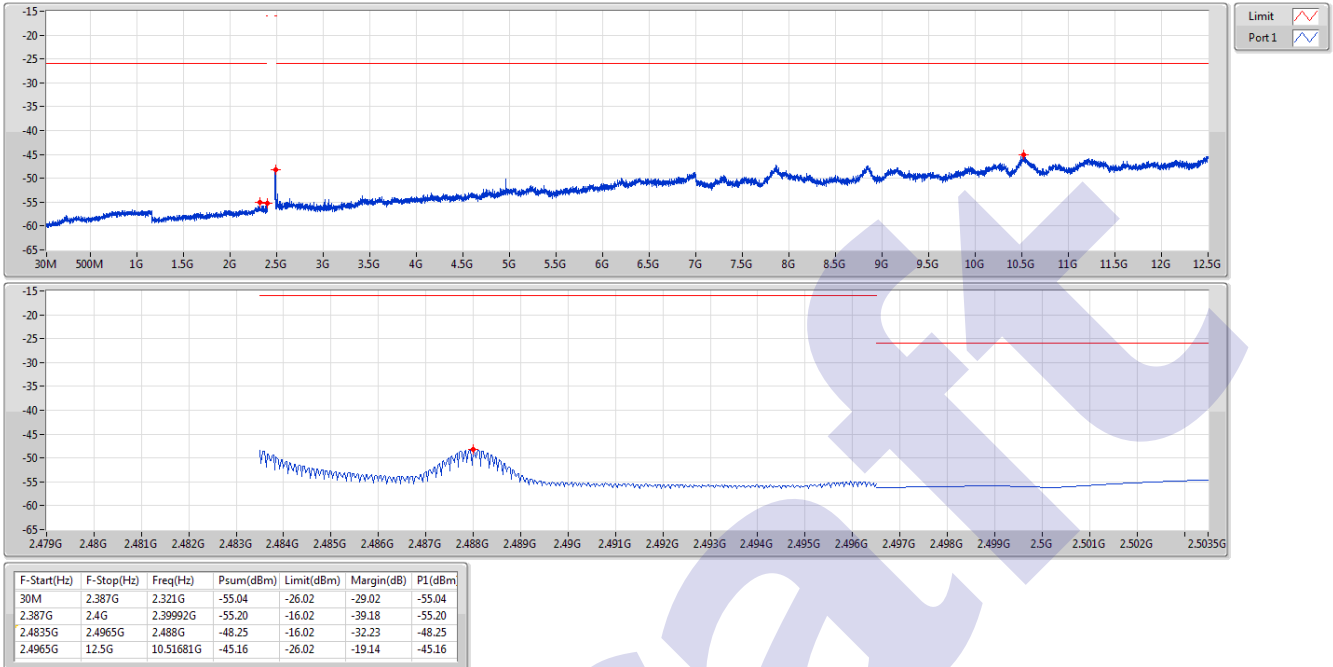
2440MHz\_TnomVmax



BT-LE(125kbps)

CSE-TX-DTS

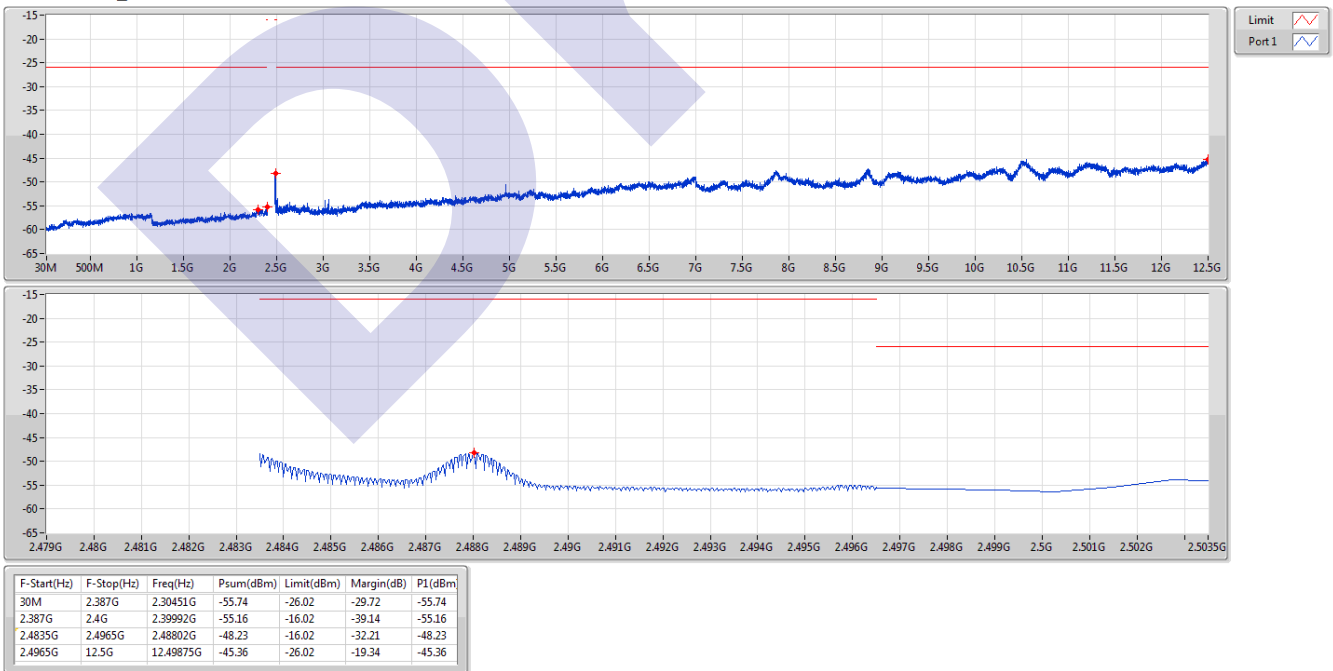
2480MHz\_TnomVnom



BT-LE(125kbps)

CSE-TX-DTS

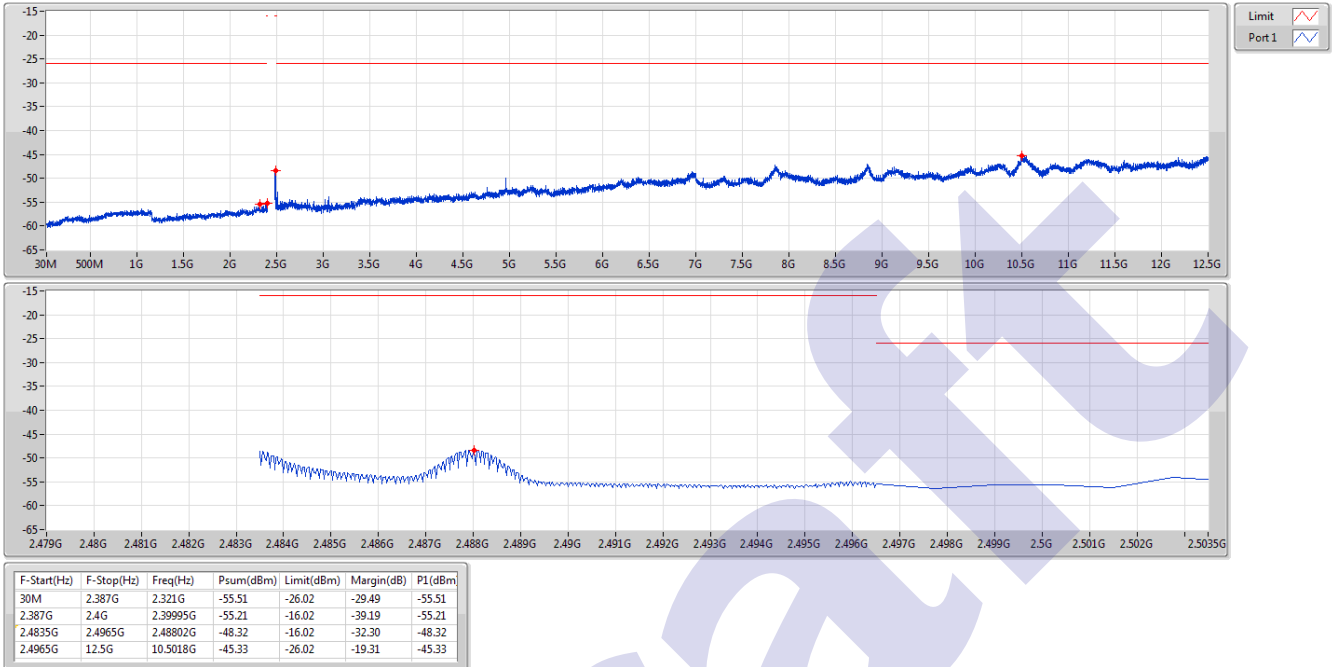
2480MHz\_TnomVmin



BT-LE(125kbps)

CSE-TX-DTS

2480MHz\_TnomVmax





## Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(500kbps)	Pass	2.387G	2.4G	1M	2.4G	-27.80	1.65959	-16.02	25

## Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	2.387G	1M	2.3705G	-51.87	0.0065	-26.02	2.5
2402MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39997G	-28.41	1.44212	-16.02	25
2402MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.49005G	-53.85	0.00412	-16.02	25
2402MHz_TnomVnom	Pass	2.4965G	12.5G	1M	12.4975G	-43.57	0.04395	-26.02	2.5
2402MHz_TnomVmin	Pass	30M	2.387G	1M	2.3705G	-52.07	0.00621	-26.02	2.5
2402MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.4G	-27.91	1.61808	-16.02	25
2402MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48995G	-54.02	0.00396	-16.02	25
2402MHz_TnomVmin	Pass	2.4965G	12.5G	1M	10.53556G	-43.89	0.04083	-26.02	2.5
2402MHz_TnomVmax	Pass	30M	2.387G	1M	2.3705G	-52.29	0.0059	-26.02	2.5
2402MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.4G	-27.80	1.65959	-16.02	25
2402MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48987G	-54.05	0.00394	-16.02	25
2402MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.47624G	-43.74	0.04227	-26.02	2.5
2440MHz_TnomVnom	Pass	30M	2.387G	1M	2.321G	-53.85	0.00412	-26.02	2.5
2440MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39202G	-53.49	0.00448	-16.02	25
2440MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48797G	-53.11	0.00489	-16.02	25
2440MHz_TnomVnom	Pass	2.4965G	12.5G	1M	10.52931G	-43.90	0.04074	-26.02	2.5
2440MHz_TnomVmin	Pass	30M	2.387G	1M	2.33632G	-53.65	0.00432	-26.02	2.5
2440MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39215G	-53.41	0.00456	-16.02	25
2440MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48792G	-53.02	0.00499	-16.02	25
2440MHz_TnomVmin	Pass	2.4965G	12.5G	1M	10.51681G	-43.94	0.04036	-26.02	2.5
2440MHz_TnomVmax	Pass	30M	2.387G	1M	2.34457G	-53.99	0.00399	-26.02	2.5
2440MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.3921G	-53.56	0.00441	-16.02	25
2440MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48792G	-53.03	0.00498	-16.02	25
2440MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.48499G	-43.70	0.04266	-26.02	2.5
2480MHz_TnomVnom	Pass	30M	2.387G	1M	2.35282G	-54.46	0.00358	-26.02	2.5
2480MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39997G	-53.81	0.00416	-16.02	25
2480MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48797G	-47.08	0.01959	-16.02	25
2480MHz_TnomVnom	Pass	2.4965G	12.5G	1M	12.49875G	-43.74	0.04227	-26.02	2.5
2480MHz_TnomVmin	Pass	30M	2.387G	1M	2.35282G	-53.75	0.00422	-26.02	2.5
2480MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.3999G	-53.81	0.00416	-16.02	25
2480MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48784G	-47.06	0.01968	-16.02	25





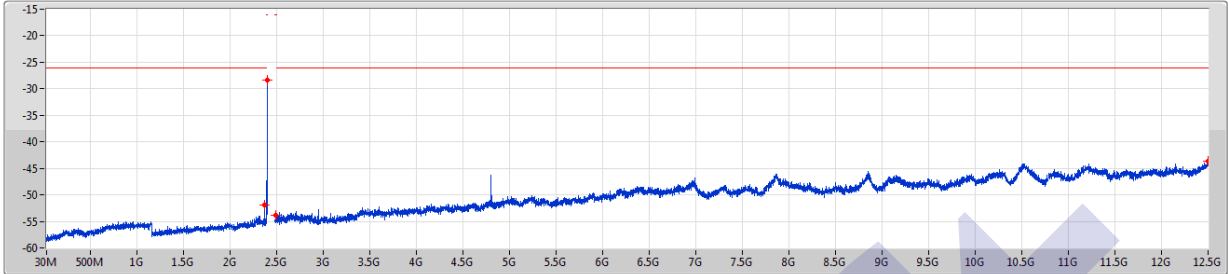
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2480MHz_TnomVmin	Pass	2.4965G	12.5G	1M	12.48374G	-43.83	0.0414	-26.02	2.5
2480MHz_TnomVmax	Pass	30M	2.387G	1M	2.37639G	-53.71	0.00426	-26.02	2.5
2480MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39997G	-53.73	0.00424	-16.02	25
2480MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48784G	-46.89	0.02046	-16.02	25
2480MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.49G	-43.79	0.04178	-26.02	2.5

Draft

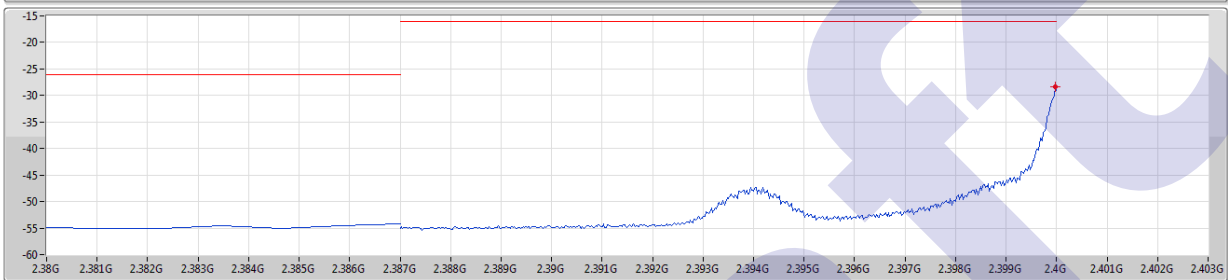
BT-LE(500kbps)

CSE-TX-DTS

2402MHz\_TnomVnom



Limit  
Port1

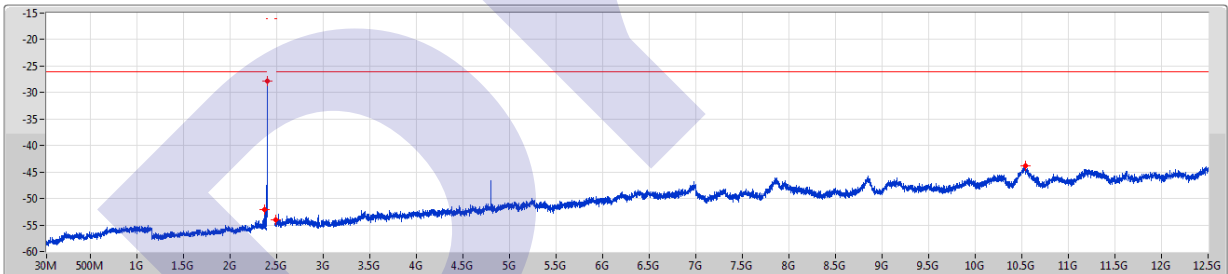


F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.3705G	-51.87	-26.02	-25.85	-51.87
2.387G	2.4G	2.39997G	-28.41	-16.02	-12.39	-28.41
2.4835G	2.4965G	2.49005G	-53.85	-16.02	-37.83	-53.85
2.4965G	12.5G	12.4975G	-43.57	-26.02	-17.55	-43.57

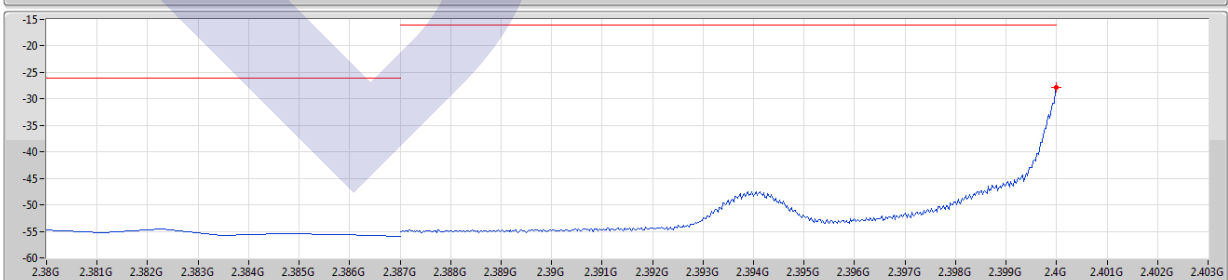
BT-LE(500kbps)

CSE-TX-DTS

2402MHz\_TnomVmin



Limit  
Port1



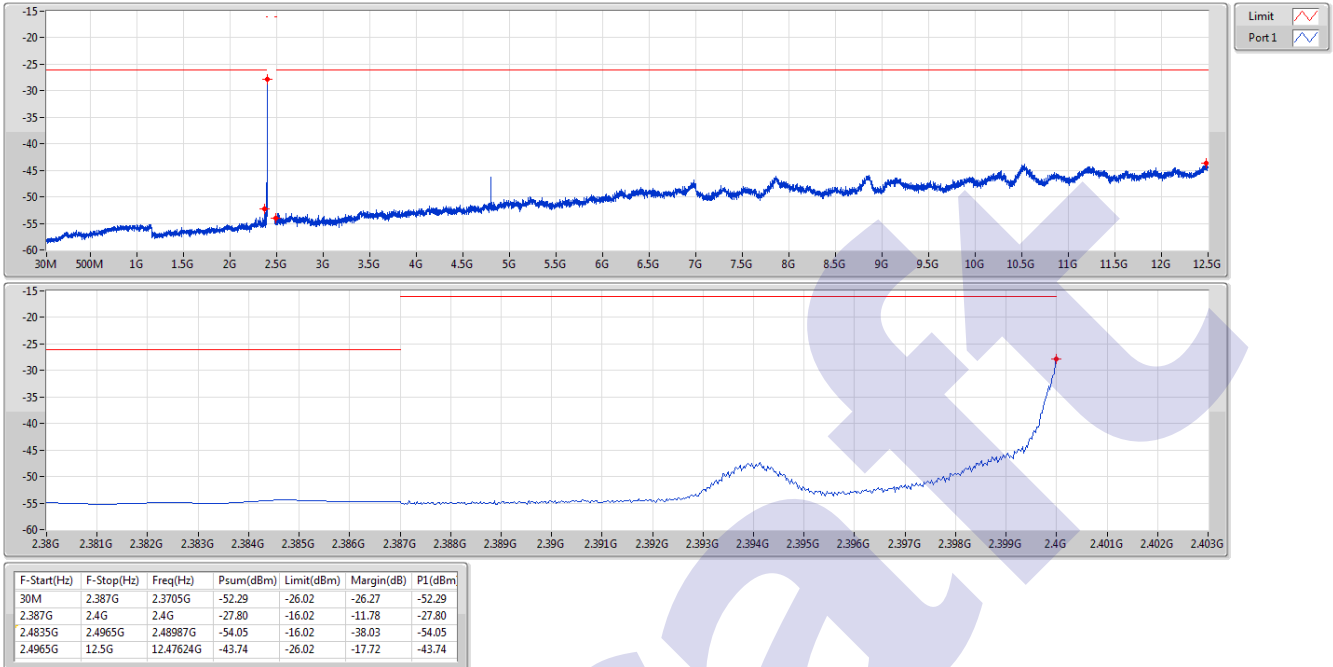
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.3705G	-52.07	-26.02	-26.05	-52.07
2.387G	2.4G	2.4G	-27.91	-16.02	-11.89	-27.91
2.4835G	2.4965G	2.48995G	-54.02	-16.02	-38.00	-54.02
2.4965G	12.5G	10.53556G	-43.89	-26.02	-17.87	-43.89



BT-LE(500kbps)

CSE-TX-DTS

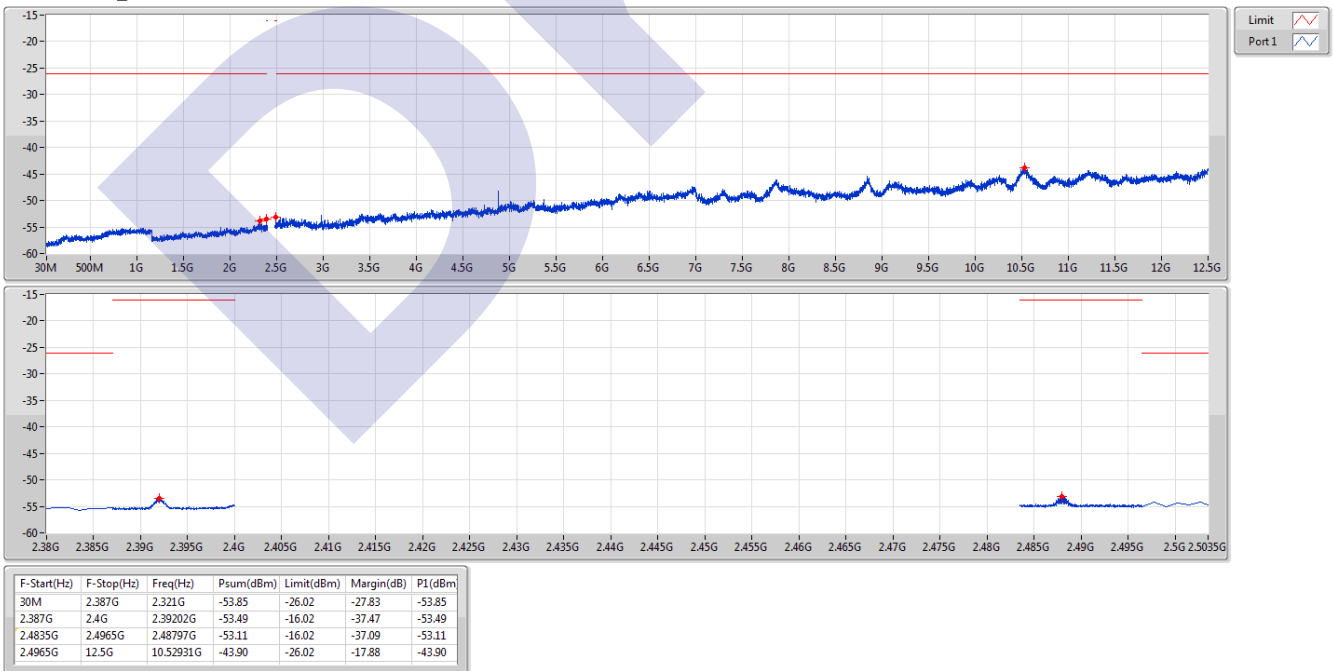
2402MHz\_TnomVmax



BT-LE(500kbps)

CSE-TX-DTS

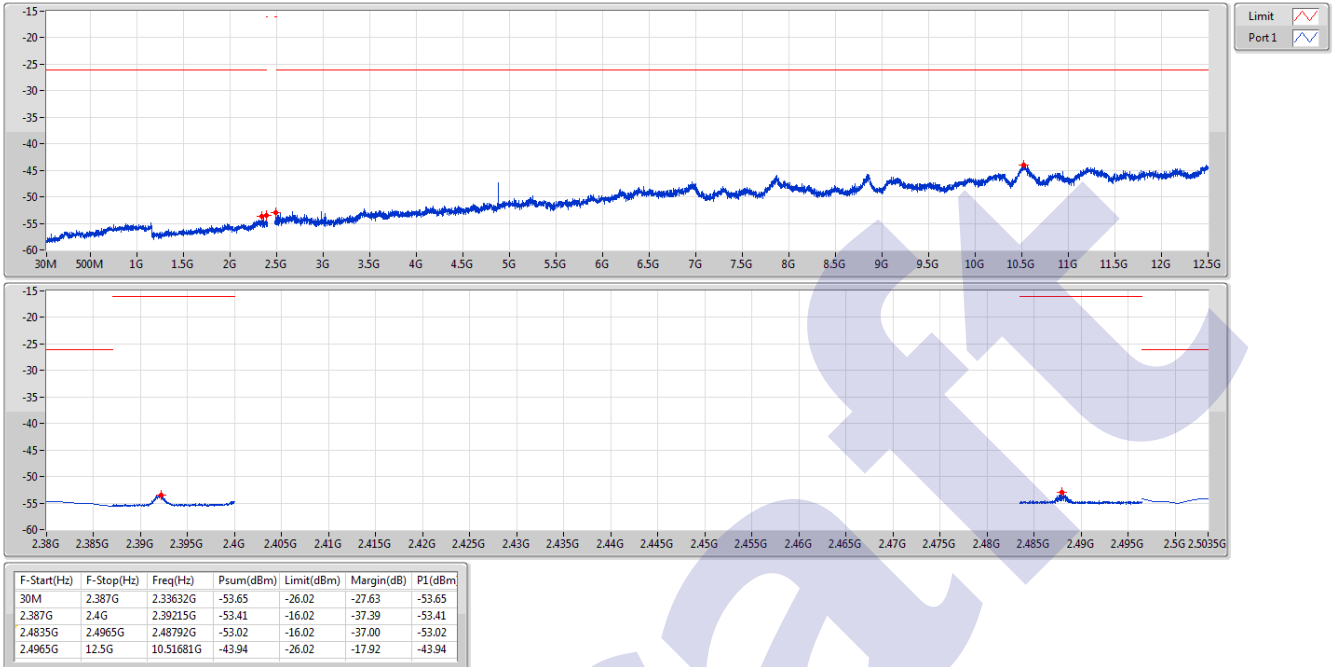
2440MHz\_TnomVnom



BT-LE(500kbps)

CSE-TX-DTS

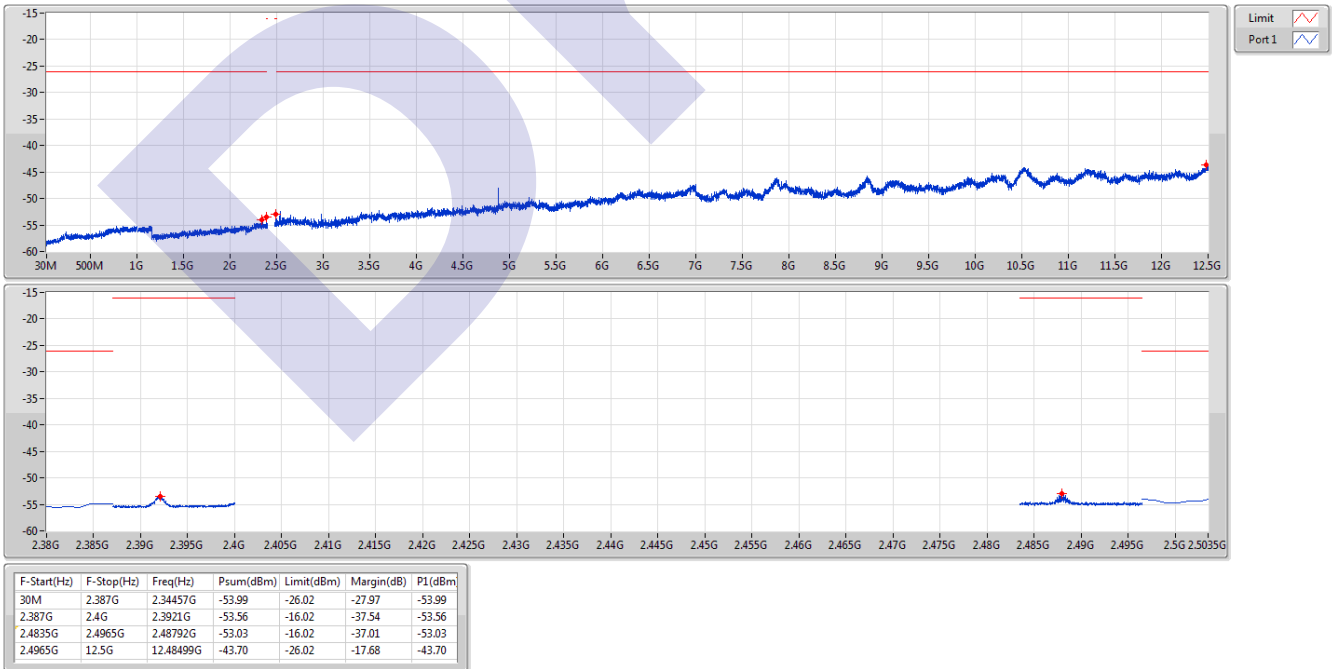
2440MHz\_TnomVmin



BT-LE(500kbps)

CSE-TX-DTS

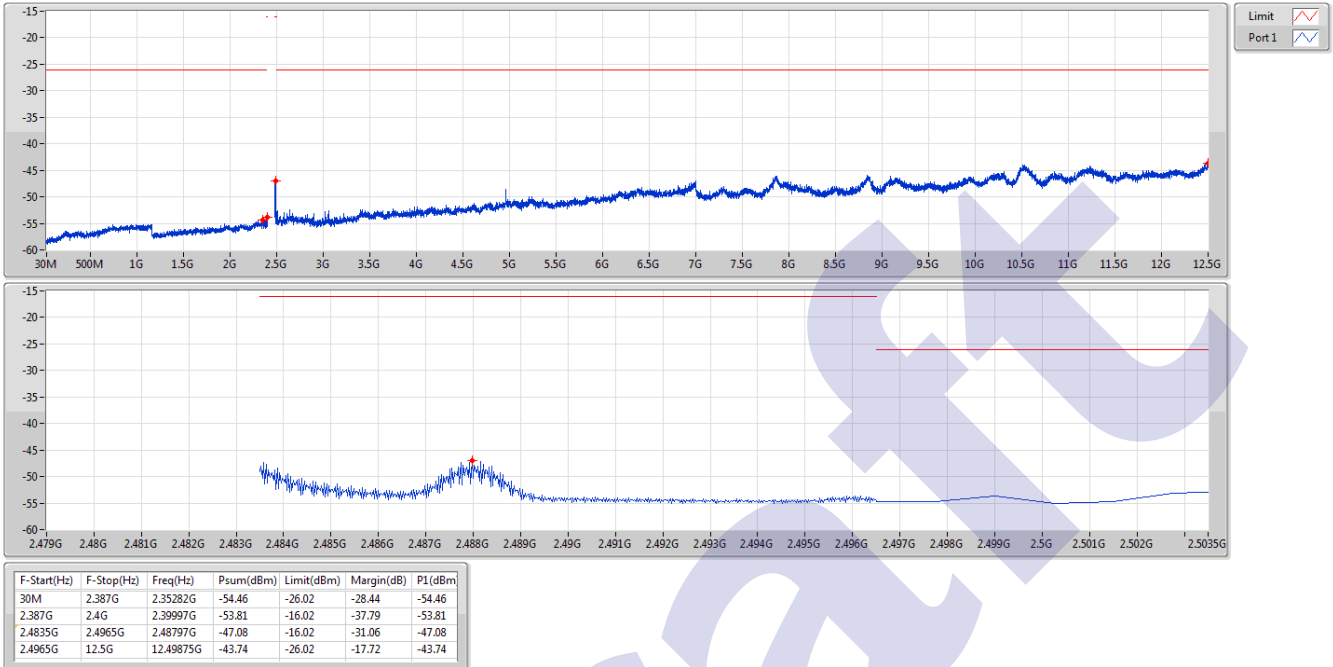
2440MHz\_TnomVmax



BT-LE(500kbps)

CSE-TX-DTS

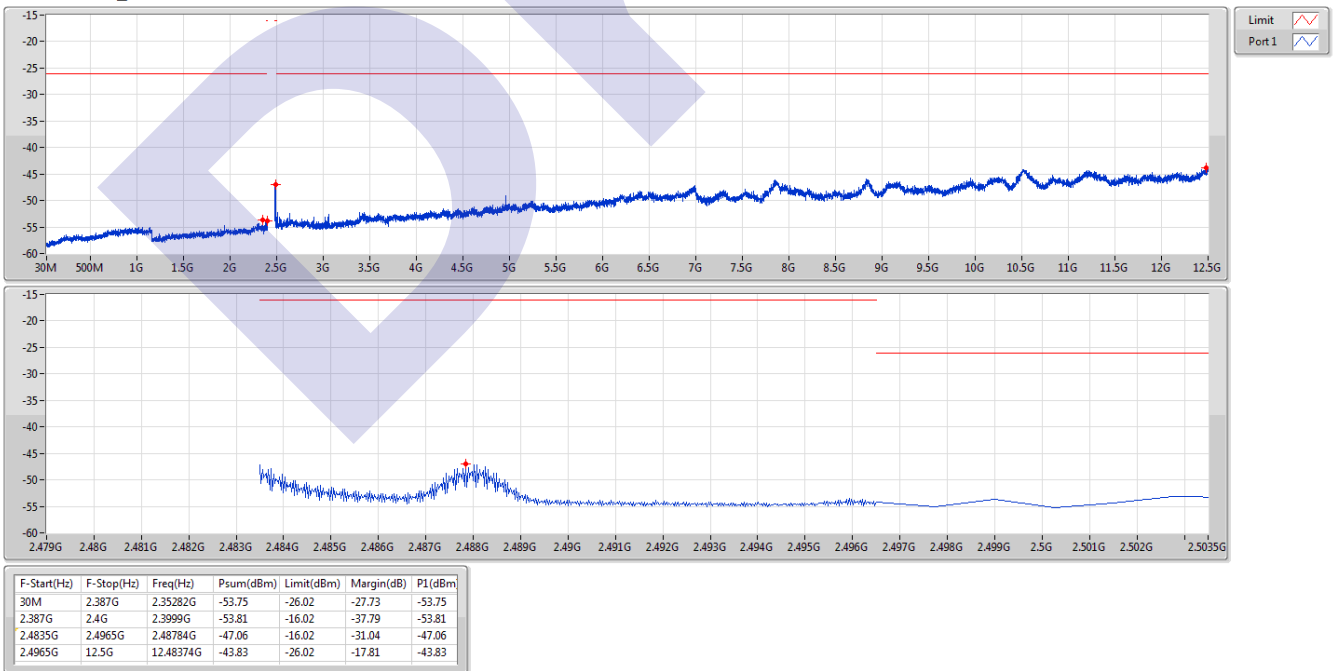
2480MHz\_TnomVnom



BT-LE(500kbps)

CSE-TX-DTS

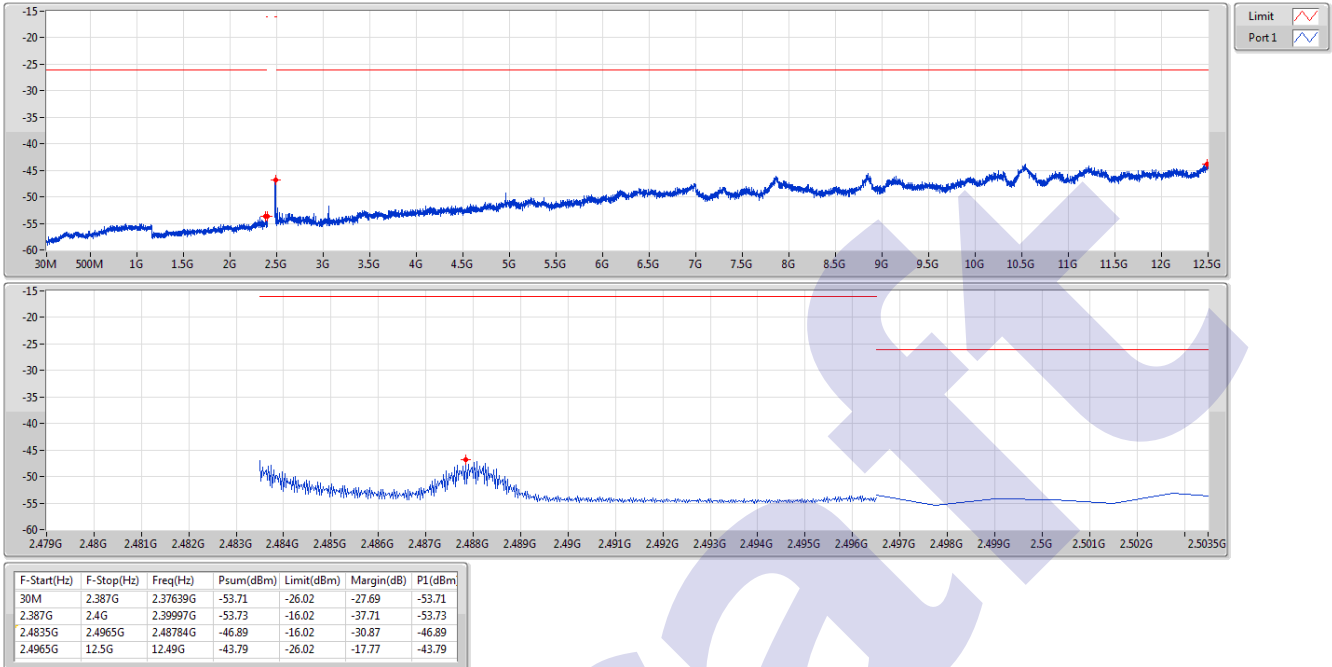
2480MHz\_TnomVmin



BT-LE(500kbps)

CSE-TX-DTS

2480MHz\_TnomVmax



**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.387G	2.4G	1M	2.4G	-28.81	1.31522	-16.02	25

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	2.387G	1M	2.3705G	-52.57	0.00553	-26.02	2.5
2402MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.4G	-29.84	1.03753	-16.02	25
2402MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48987G	-54.42	0.00361	-16.02	25
2402MHz_TnomVnom	Pass	2.4965G	12.5G	1M	10.54056G	-43.85	0.04121	-26.02	2.5
2402MHz_TnomVmin	Pass	30M	2.387G	1M	2.3705G	-52.40	0.00575	-26.02	2.5
2402MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.4G	-28.81	1.31522	-16.02	25
2402MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48984G	-54.40	0.00363	-16.02	25
2402MHz_TnomVmin	Pass	2.4965G	12.5G	1M	10.52306G	-43.97	0.04009	-26.02	2.5
2402MHz_TnomVmax	Pass	30M	2.387G	1M	2.3705G	-52.31	0.00587	-26.02	2.5
2402MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.4G	-29.01	1.25603	-16.02	25
2402MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.4901G	-54.40	0.00363	-16.02	25
2402MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.48625G	-43.90	0.04074	-26.02	2.5
2440MHz_TnomVnom	Pass	30M	2.387G	1M	2.34457G	-54.26	0.00375	-26.02	2.5
2440MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.3921G	-54.24	0.00377	-16.02	25
2440MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48821G	-53.80	0.00417	-16.02	25
2440MHz_TnomVnom	Pass	2.4965G	12.5G	1M	12.4925G	-43.91	0.04064	-26.02	2.5
2440MHz_TnomVmin	Pass	30M	2.387G	1M	2.34457G	-54.46	0.00358	-26.02	2.5
2440MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39204G	-54.11	0.00388	-16.02	25
2440MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48805G	-53.65	0.00432	-16.02	25
2440MHz_TnomVmin	Pass	2.4965G	12.5G	1M	11.2008G	-43.90	0.04074	-26.02	2.5
2440MHz_TnomVmax	Pass	30M	2.387G	1M	2.34457G	-54.25	0.00376	-26.02	2.5
2440MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39225G	-54.24	0.00377	-16.02	25
2440MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48813G	-53.83	0.00414	-16.02	25
2440MHz_TnomVmax	Pass	2.4965G	12.5G	1M	10.5068G	-44.09	0.03899	-26.02	2.5
2480MHz_TnomVnom	Pass	30M	2.387G	1M	2.35282G	-53.76	0.00421	-26.02	2.5
2480MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39995G	-54.35	0.00367	-16.02	25
2480MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48813G	-48.36	0.01459	-16.02	25
2480MHz_TnomVnom	Pass	2.4965G	12.5G	1M	10.55057G	-43.92	0.04055	-26.02	2.5
2480MHz_TnomVmin	Pass	30M	2.387G	1M	2.321G	-53.92	0.00406	-26.02	2.5
2480MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39987G	-54.45	0.00359	-16.02	25
2480MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48353G	-48.45	0.01429	-16.02	25



Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2480MHz_TnomVmin	Pass	2.4965G	12.5G	1M	12.47999G	-44.29	0.03724	-26.02	2.5
2480MHz_TnomVmax	Pass	30M	2.387G	1M	2.37639G	-54.32	0.0037	-26.02	2.5
2480MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39979G	-54.43	0.00361	-16.02	25
2480MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48353G	-48.28	0.01486	-16.02	25
2480MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.48499G	-43.94	0.04036	-26.02	2.5

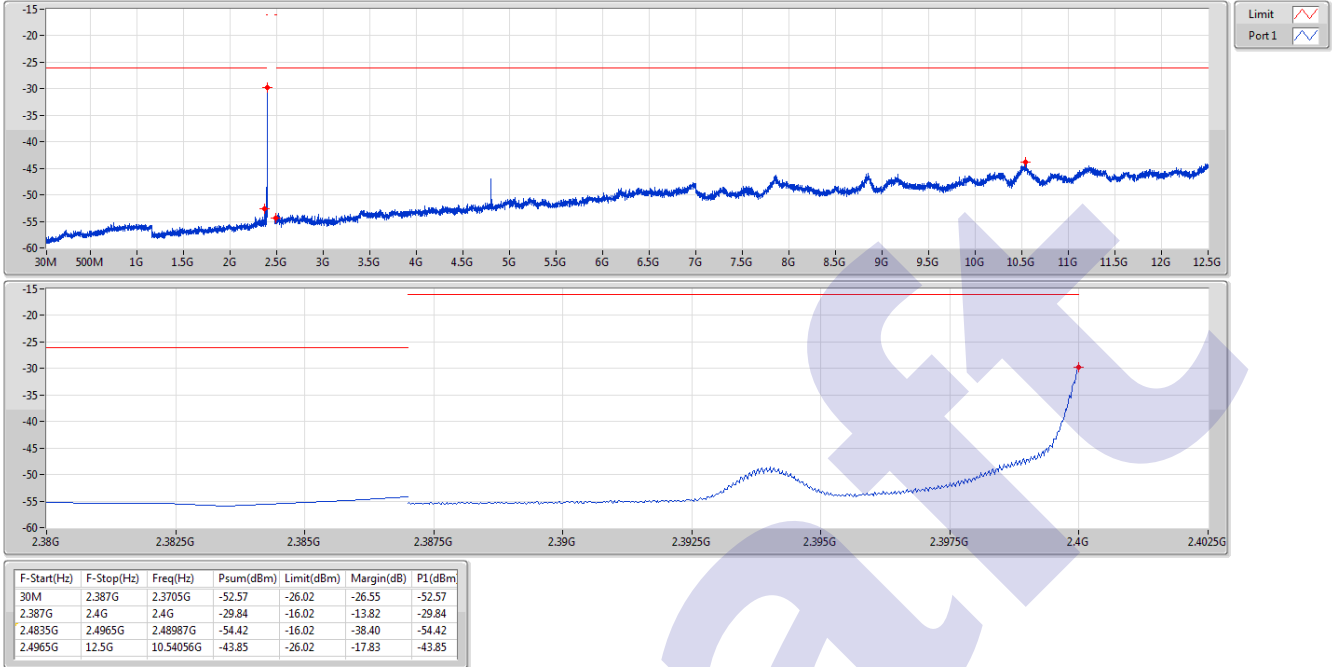
Draft



BT-LE(1Mbps)

CSE-TX-DTS

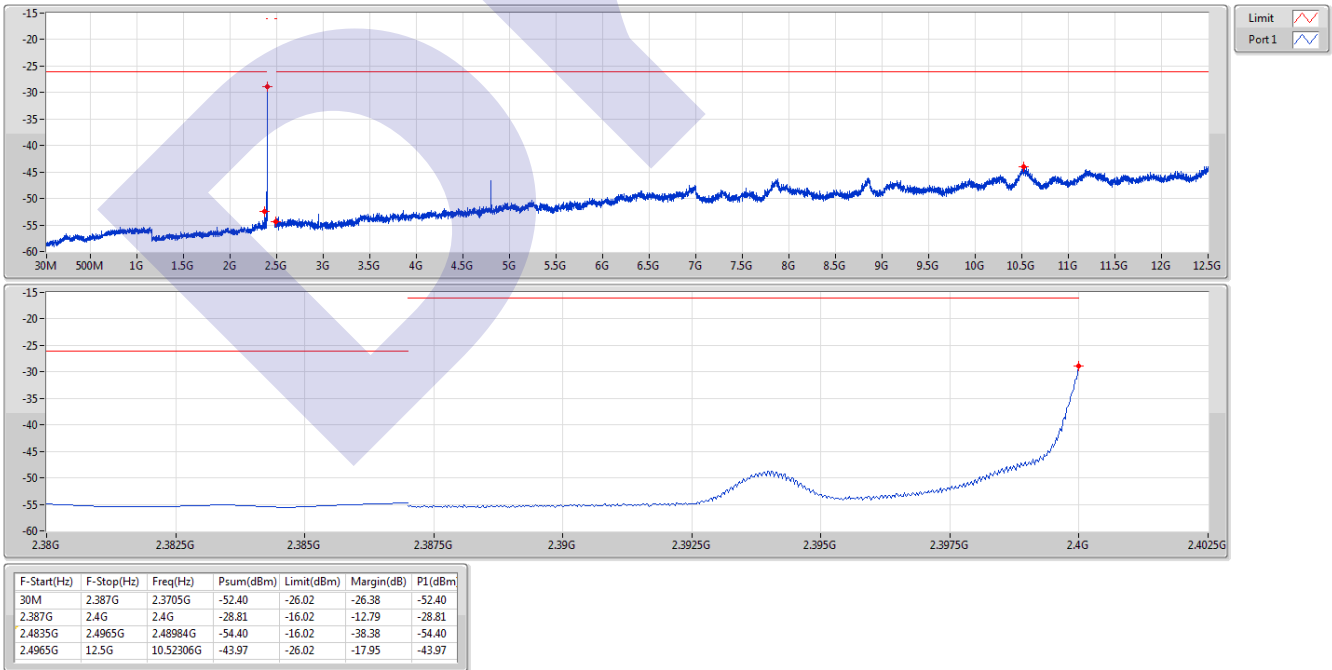
2402MHz\_TnomVnom



BT-LE(1Mbps)

CSE-TX-DTS

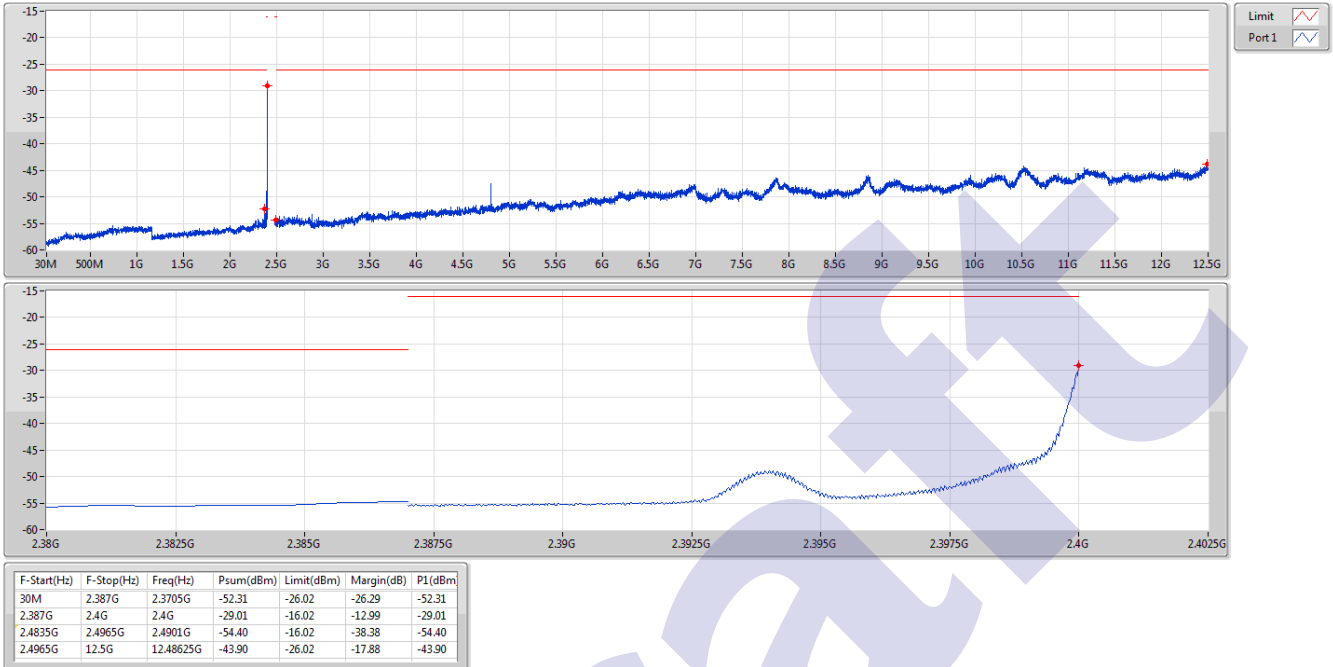
2402MHz\_TnomVmin



BT-LE(1Mbps)

CSE-TX-DTS

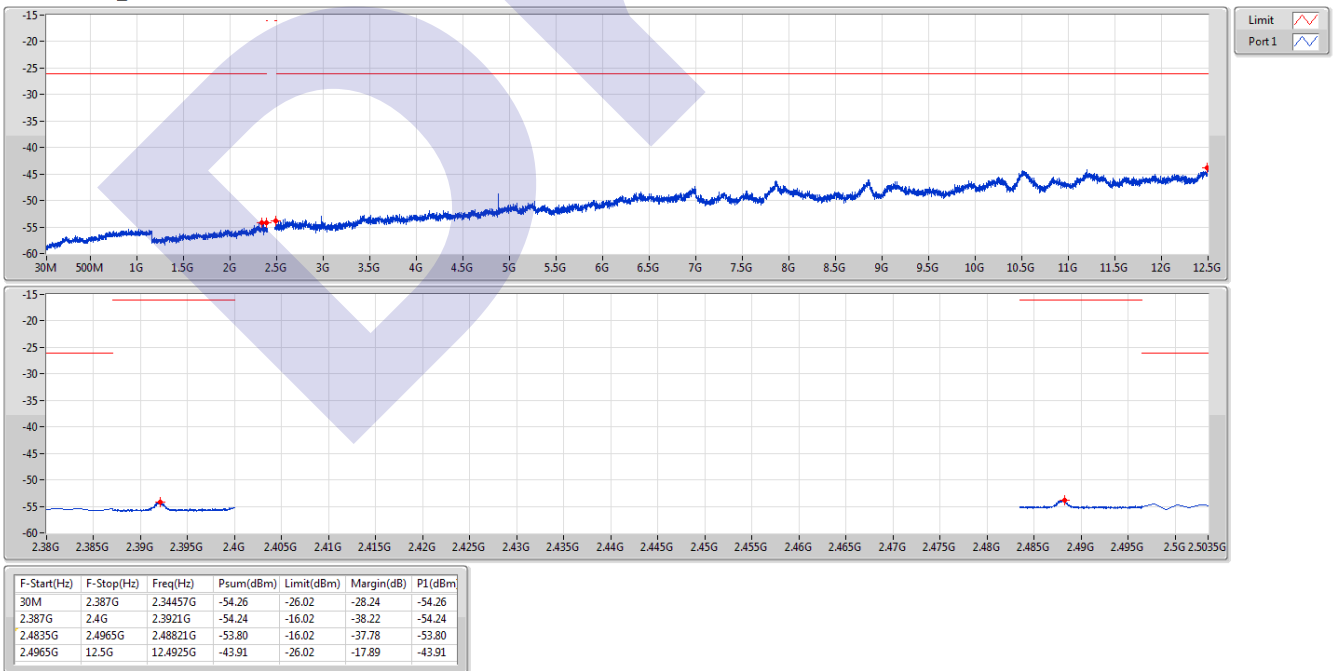
2402MHz\_TnomVmax



BT-LE(1Mbps)

CSE-TX-DTS

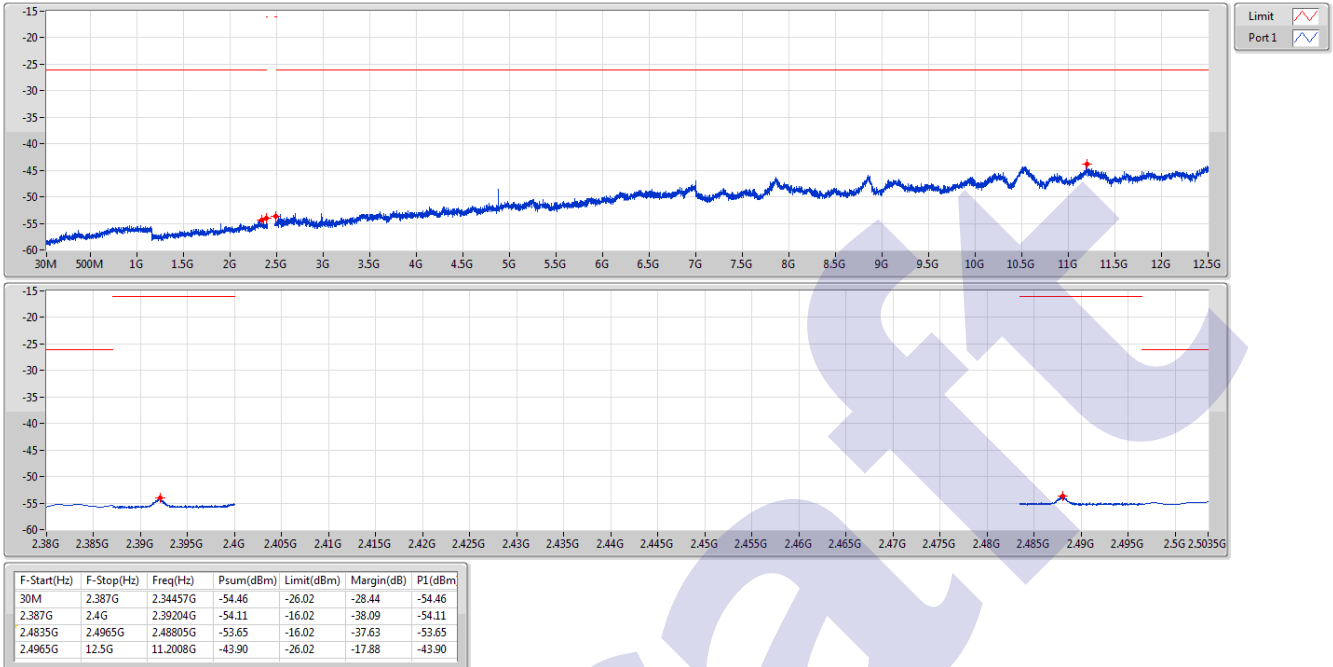
2440MHz\_TnomVnom



BT-LE(1Mbps)

CSE-TX-DTS

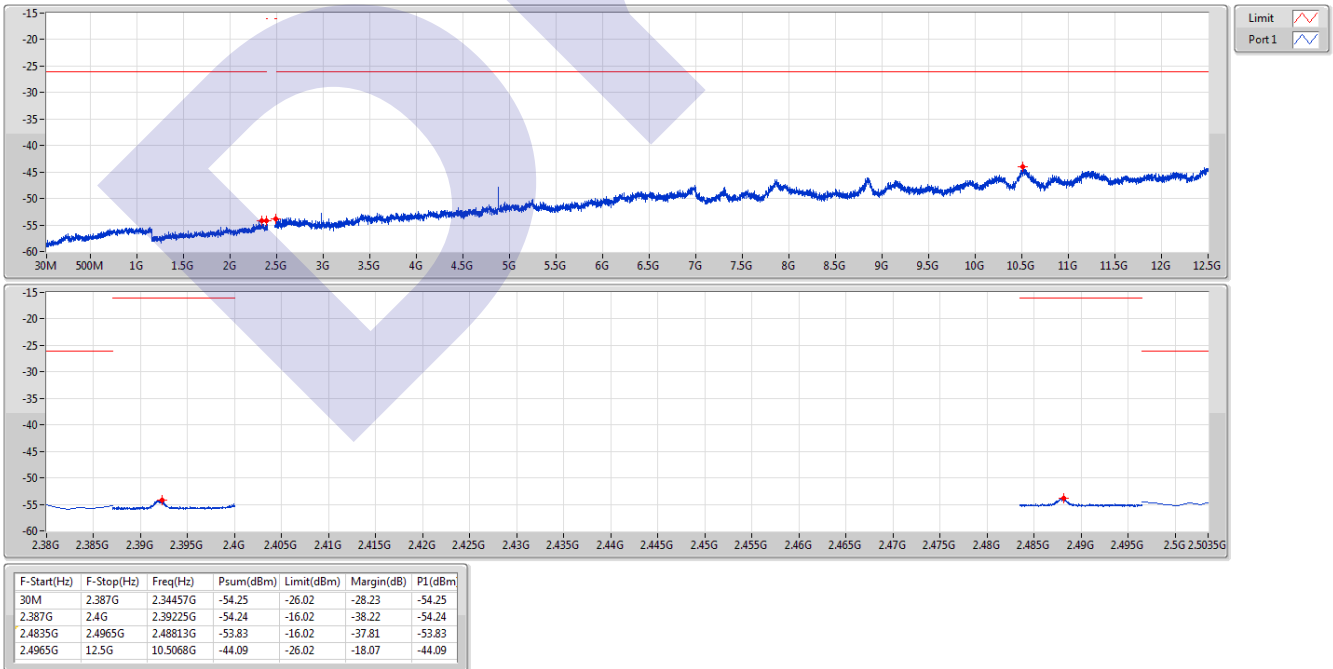
2440MHz\_TnomVmin



BT-LE(1Mbps)

CSE-TX-DTS

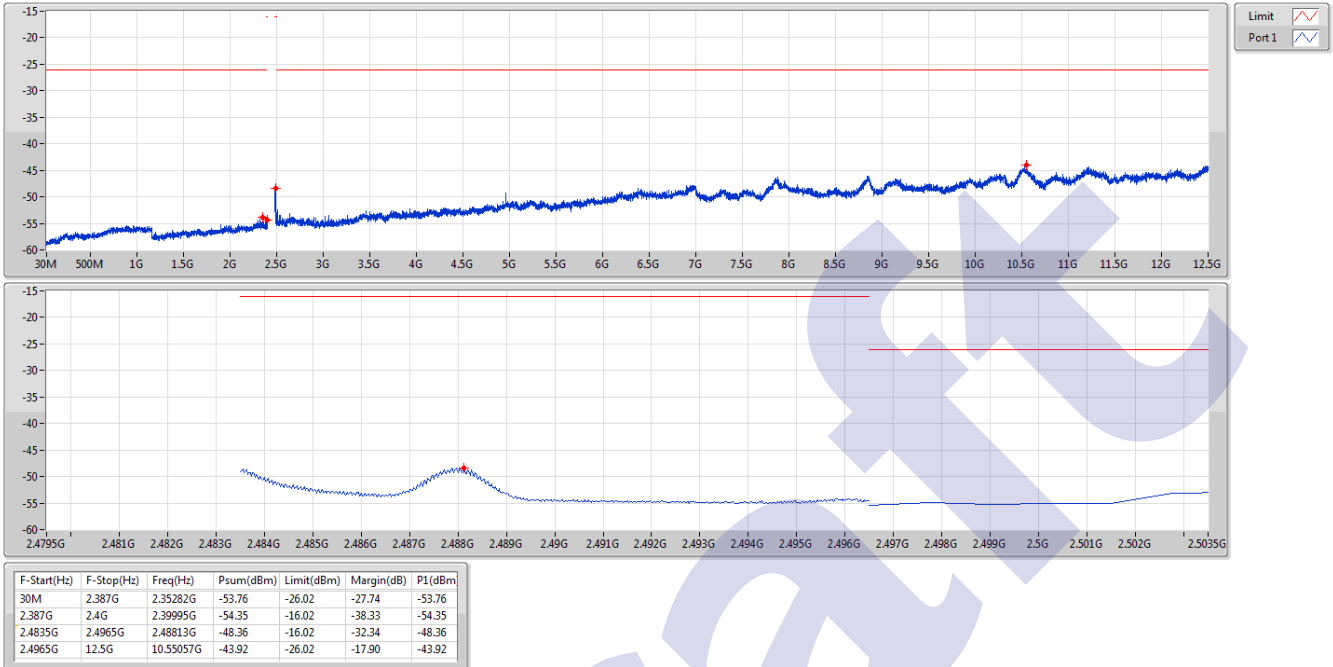
2440MHz\_TnomVmax



BT-LE(1Mbps)

CSE-TX-DTS

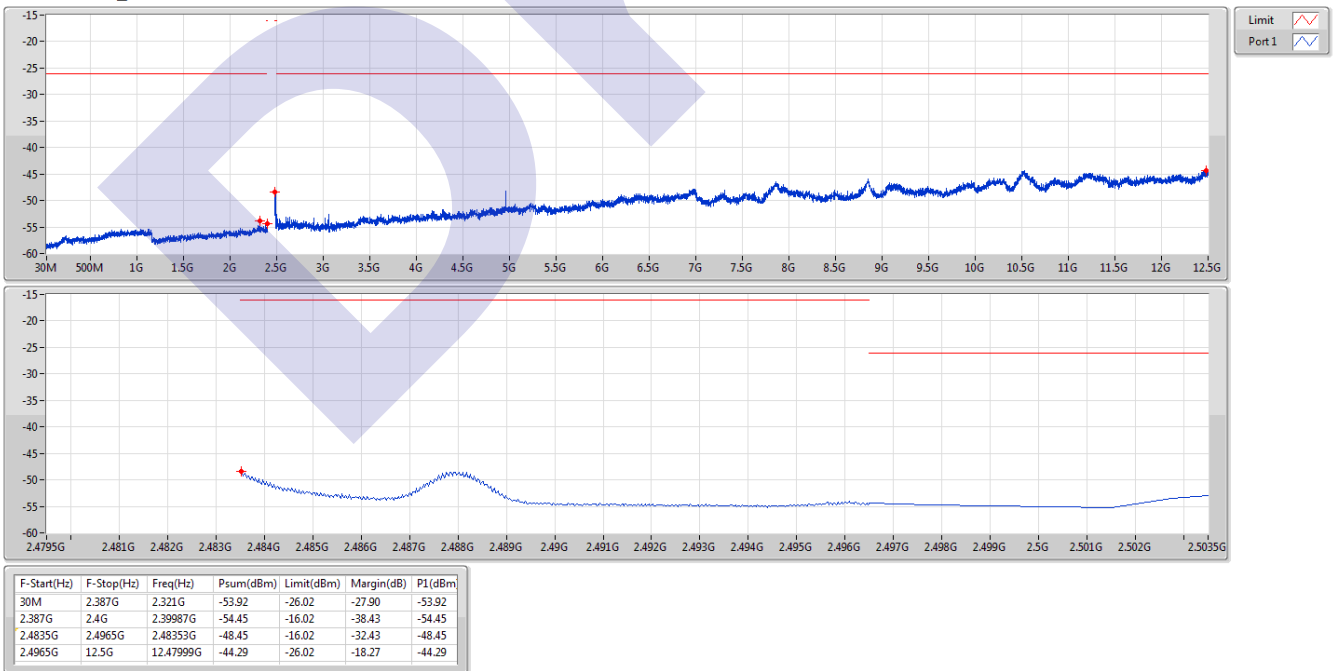
2480MHz\_TnomVnom



BT-LE(1Mbps)

CSE-TX-DTS

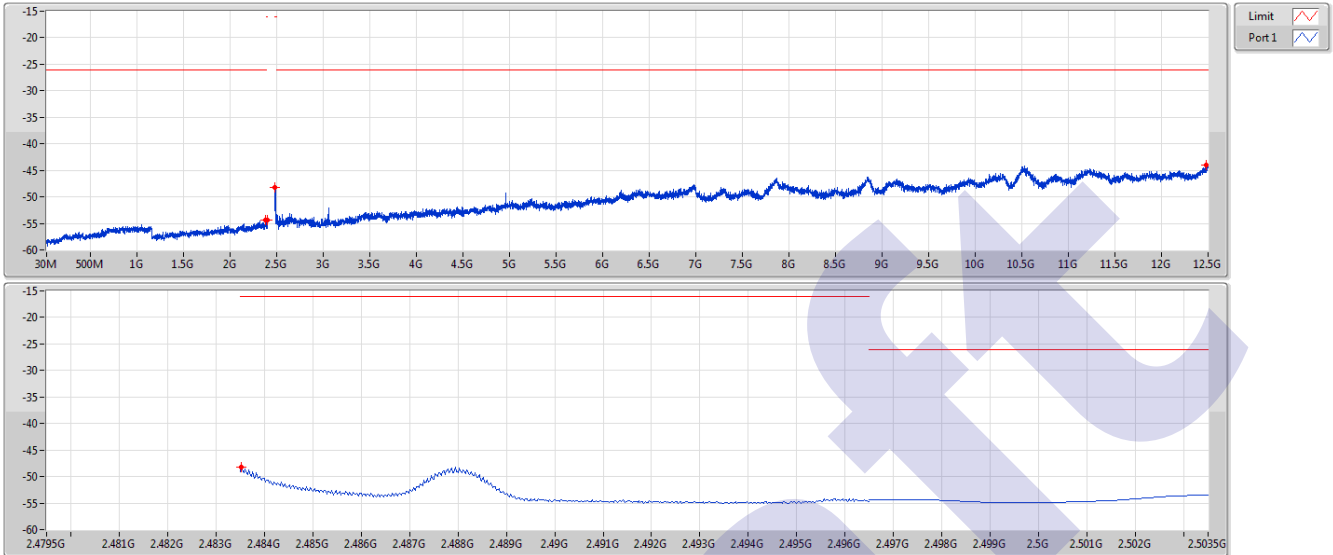
2480MHz\_TnomVmin



BT-LE(1Mbps)

CSE-TX-DTS

2480MHz\_TnomVmax



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.37639G	-54.32	-26.02	-28.30	-54.32
2.387G	2.4G	2.39979G	-54.43	-16.02	-38.41	-54.43
2.4835G	2.4965G	2.48353G	-48.28	-16.02	-32.26	-48.28
2.4965G	12.5G	12.48499G	-43.94	-26.02	-17.92	-43.94

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	2.387G	2.4G	1M	2.4G	-17.14	19.31968	-16.02	25

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	2.387G	1M	2.3705G	-51.01	0.00793	-26.02	2.5
2402MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.4G	-17.14	19.31968	-16.02	25
2402MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48987G	-52.05	0.00624	-16.02	25
2402MHz_TnomVnom	Pass	2.4965G	12.5G	1M	10.54557G	-41.28	0.07447	-26.02	2.5
2402MHz_TnomVmin	Pass	30M	2.387G	1M	2.3705G	-51.39	0.00726	-26.02	2.5
2402MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.4G	-17.23	18.92344	-16.02	25
2402MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48958G	-52.12	0.00614	-16.02	25
2402MHz_TnomVmin	Pass	2.4965G	12.5G	1M	12.46999G	-41.22	0.07551	-26.02	2.5
2402MHz_TnomVmax	Pass	30M	2.387G	1M	2.3705G	-50.36	0.0092	-26.02	2.5
2402MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39997G	-17.55	17.57924	-16.02	25
2402MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.49044G	-52.01	0.0063	-16.02	25
2402MHz_TnomVmax	Pass	2.4965G	12.5G	1M	10.52556G	-41.29	0.0743	-26.02	2.5
2440MHz_TnomVnom	Pass	30M	2.387G	1M	2.33632G	-52.09	0.00618	-26.02	2.5
2440MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39191G	-52.19	0.00604	-16.02	25
2440MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.488G	-51.79	0.00662	-16.02	25
2440MHz_TnomVnom	Pass	2.4965G	12.5G	1M	12.48124G	-41.21	0.07568	-26.02	2.5
2440MHz_TnomVmin	Pass	30M	2.387G	1M	2.34457G	-51.56	0.00698	-26.02	2.5
2440MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39212G	-52.03	0.00627	-16.02	25
2440MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48802G	-51.58	0.00695	-16.02	25
2440MHz_TnomVmin	Pass	2.4965G	12.5G	1M	12.49625G	-41.09	0.0778	-26.02	2.5
2440MHz_TnomVmax	Pass	30M	2.387G	1M	2.29743G	-52.24	0.00597	-26.02	2.5
2440MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39158G	-52.16	0.00608	-16.02	25
2440MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.4881G	-51.75	0.00668	-16.02	25
2440MHz_TnomVmax	Pass	2.4965G	12.5G	1M	10.51931G	-41.38	0.07278	-26.02	2.5
2480MHz_TnomVnom	Pass	30M	2.387G	1M	2.321G	-51.99	0.00632	-26.02	2.5
2480MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39984G	-52.40	0.00575	-16.02	25
2480MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48355G	-44.00	0.03981	-16.02	25
2480MHz_TnomVnom	Pass	2.4965G	12.5G	1M	10.53681G	-40.73	0.08453	-26.02	2.5
2480MHz_TnomVmin	Pass	30M	2.387G	1M	2.321G	-51.75	0.00668	-26.02	2.5
2480MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.3999G	-52.32	0.00586	-16.02	25
2480MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48353G	-43.81	0.04159	-16.02	25



Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2480MHz_TnomVmin	Pass	2.4965G	12.5G	1M	12.48625G	-41.30	0.07413	-26.02	2.5
2480MHz_TnomVmax	Pass	30M	2.387G	1M	2.31983G	-52.02	0.00628	-26.02	2.5
2480MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39961G	-52.36	0.00581	-16.02	25
2480MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.4835G	-43.58	0.04385	-16.02	25
2480MHz_TnomVmax	Pass	2.4965G	12.5G	1M	12.47249G	-41.29	0.0743	-26.02	2.5

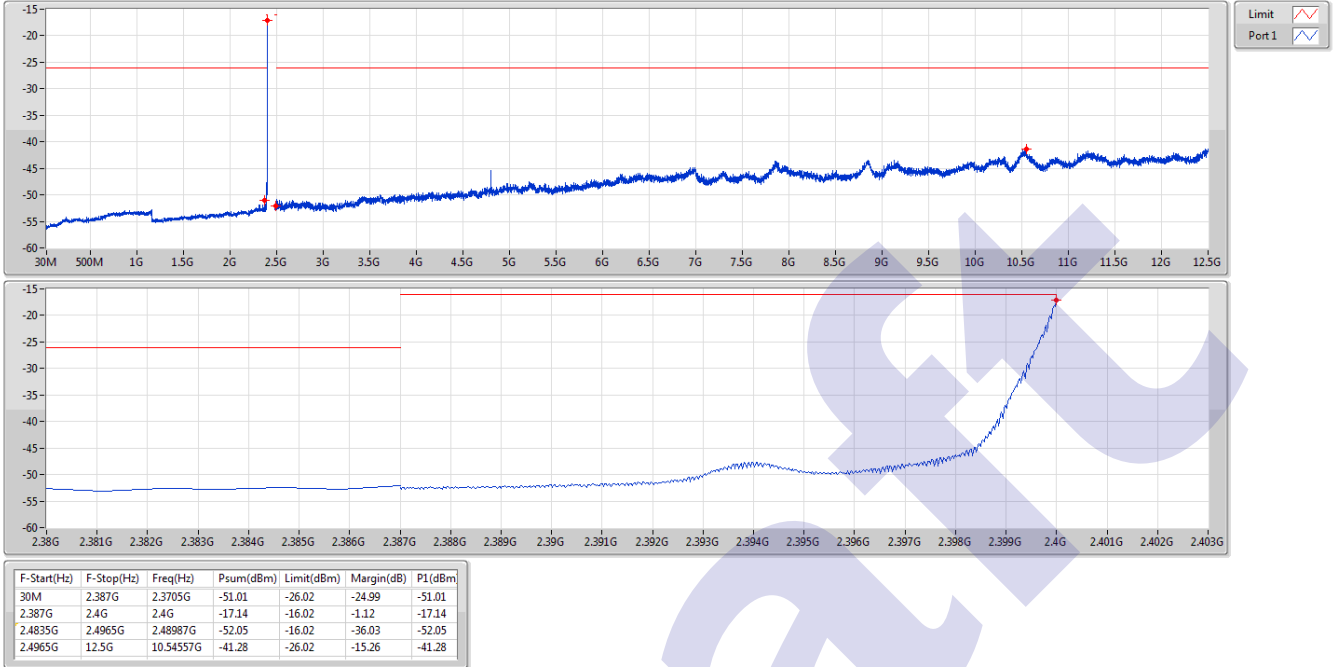
Draft



BT-LE(2Mbps)

CSE-TX-DTS

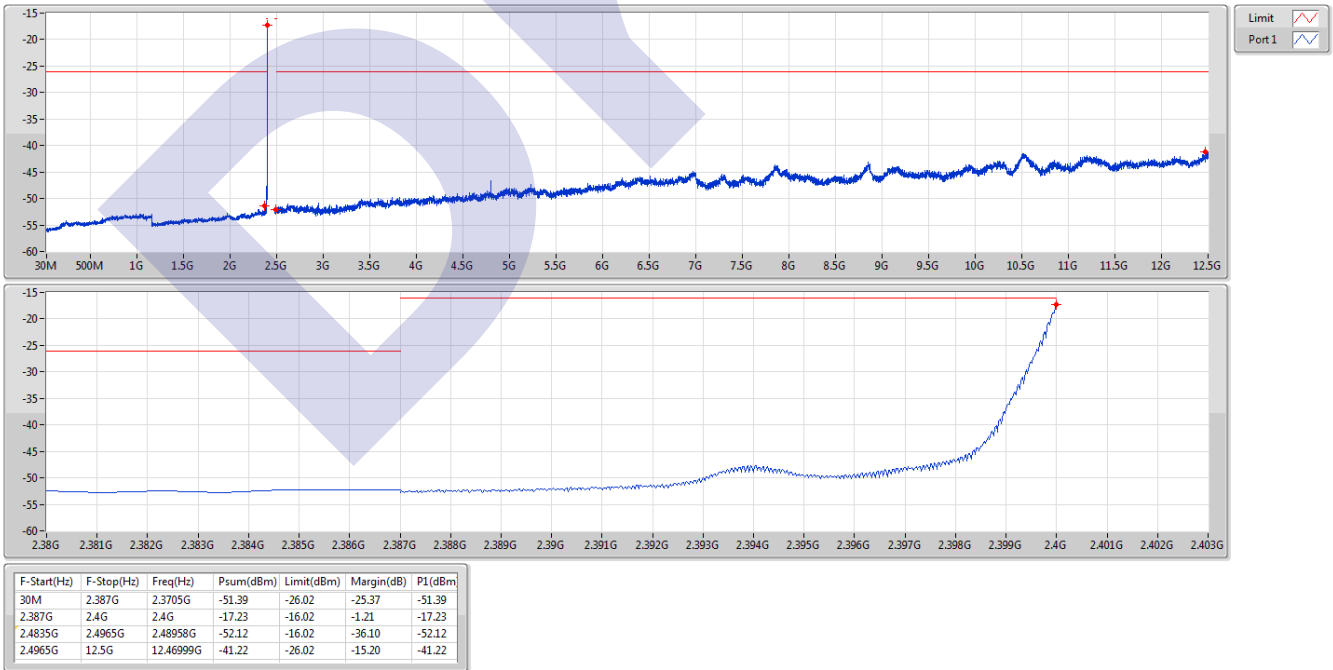
2402MHz\_TnomVnom



BT-LE(2Mbps)

CSE-TX-DTS

2402MHz\_TnomVmin

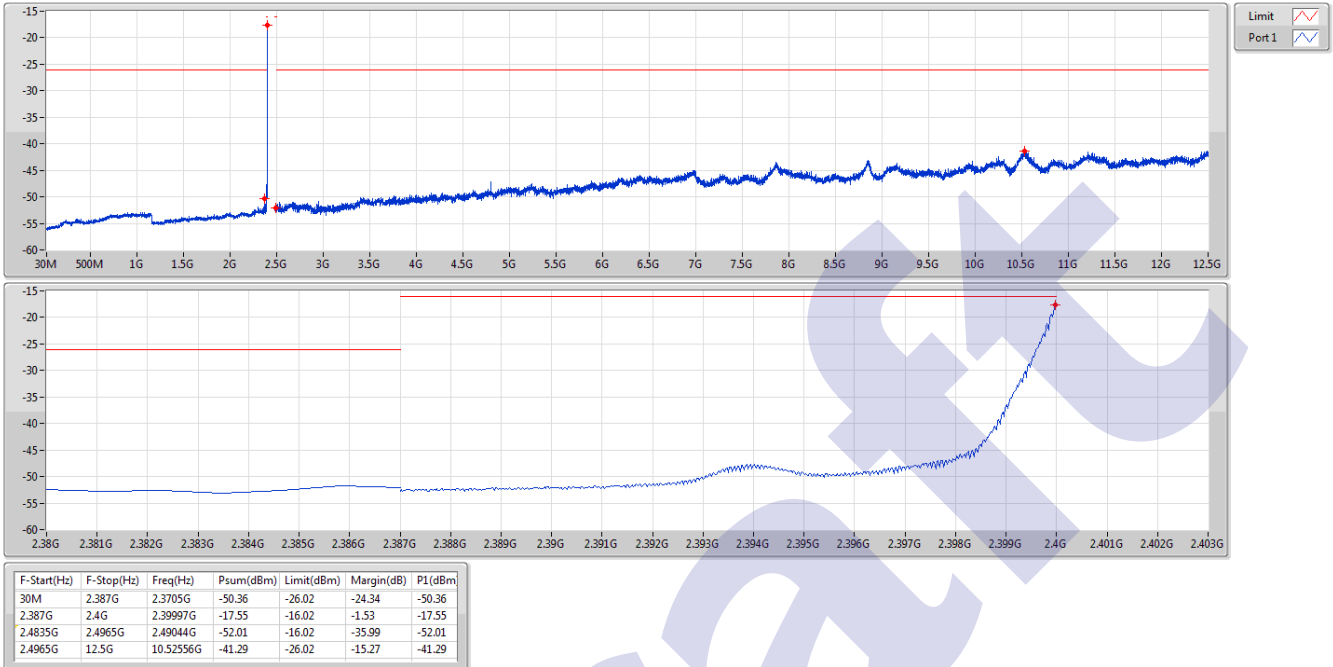




BT-LE(2Mbps)

CSE-TX-DTS

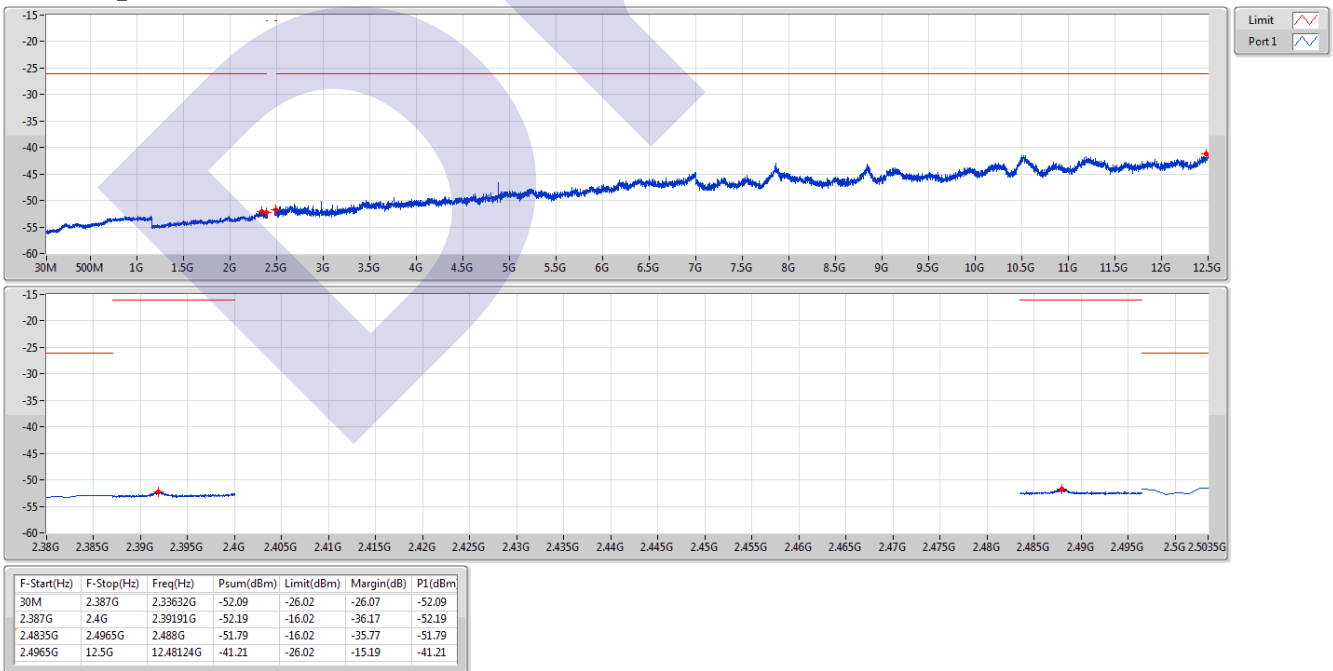
2402MHz\_TnomVmax



BT-LE(2Mbps)

CSE-TX-DTS

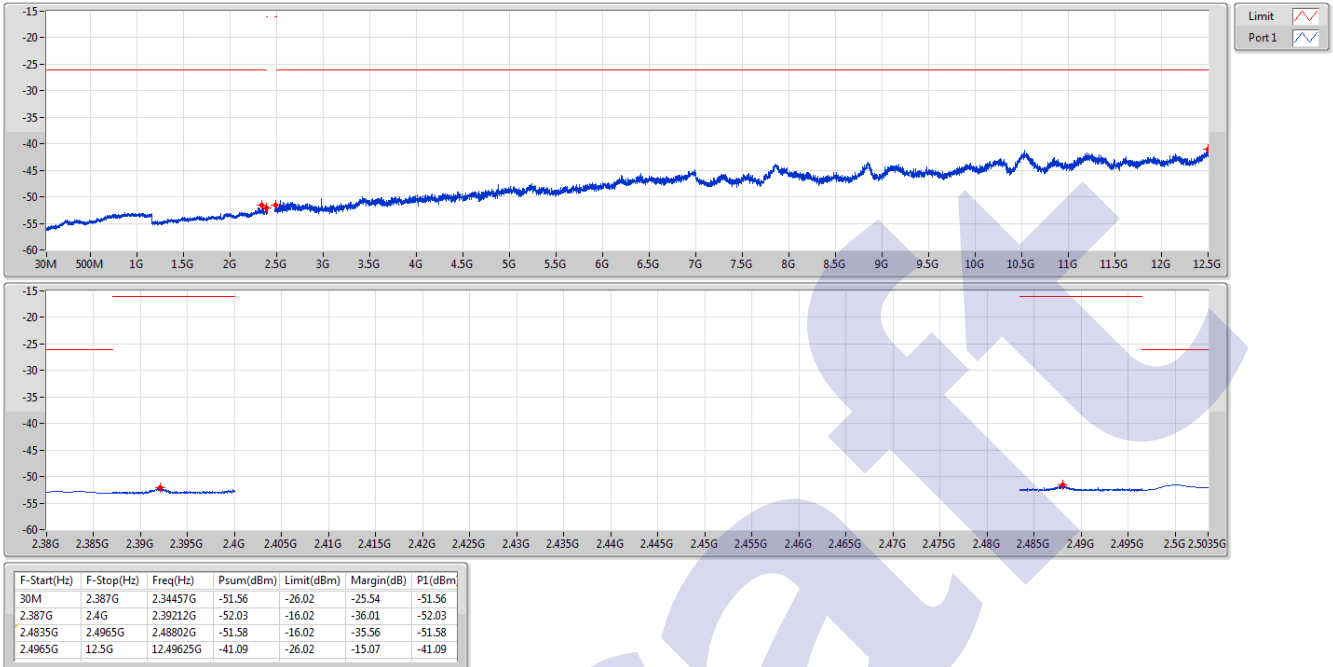
2440MHz\_TnomVnom



BT-LE(2Mbps)

CSE-TX-DTS

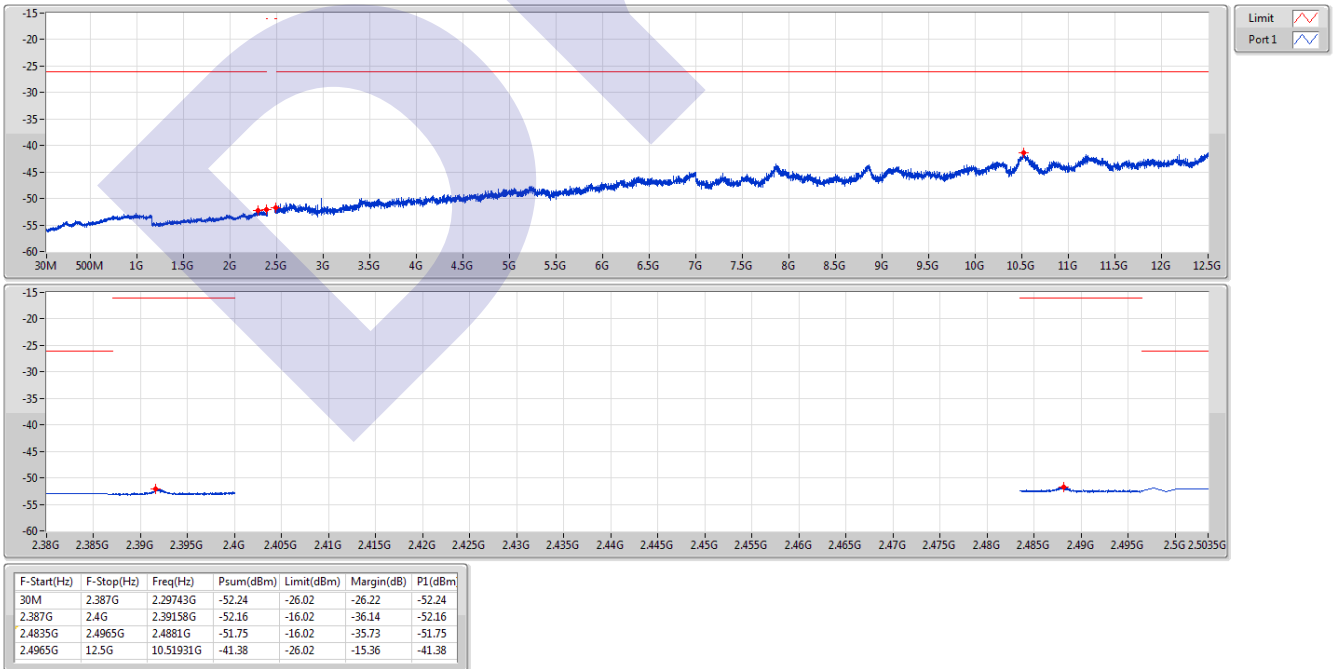
2440MHz\_TnomVmin



BT-LE(2Mbps)

CSE-TX-DTS

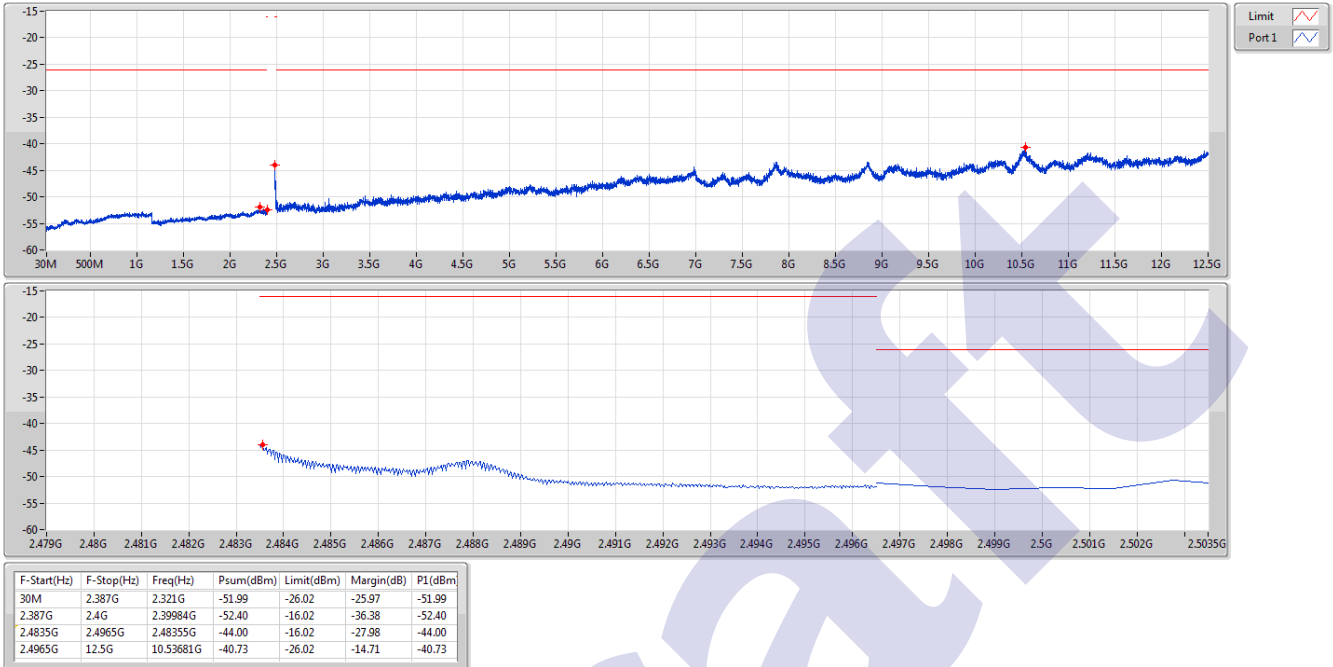
2440MHz\_TnomVmax



BT-LE(2Mbps)

CSE-TX-DTS

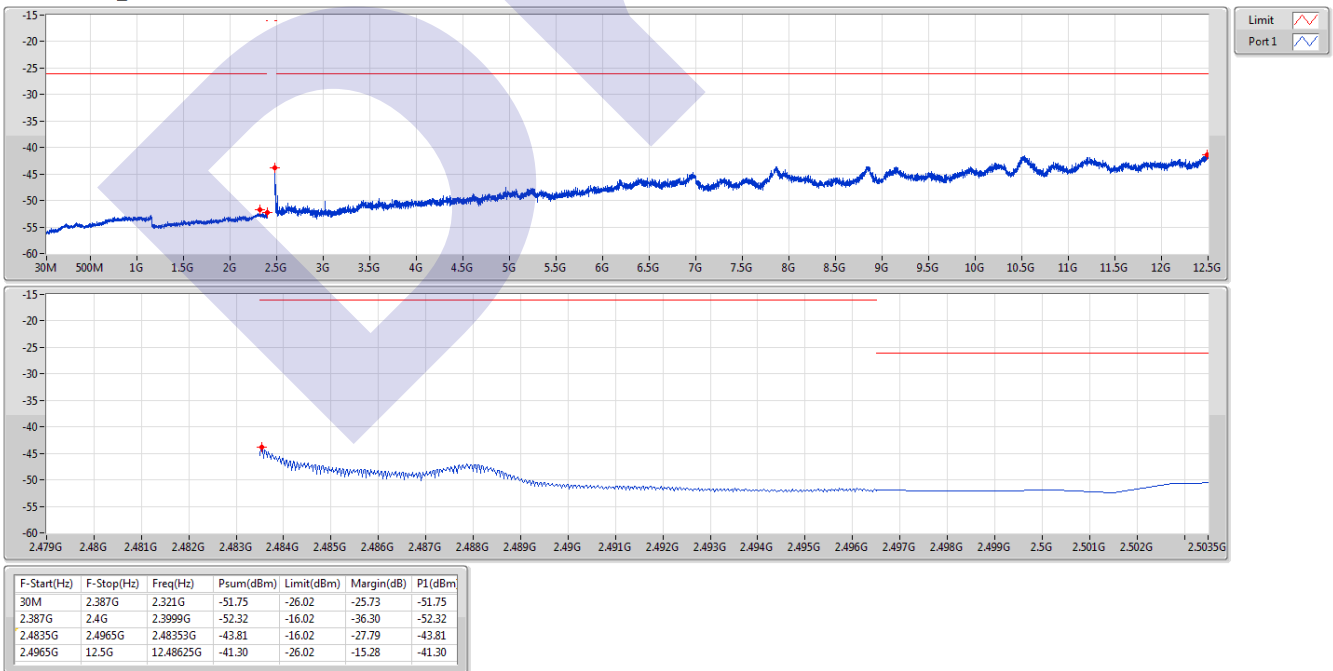
2480MHz\_TnomVnom



BT-LE(2Mbps)

CSE-TX-DTS

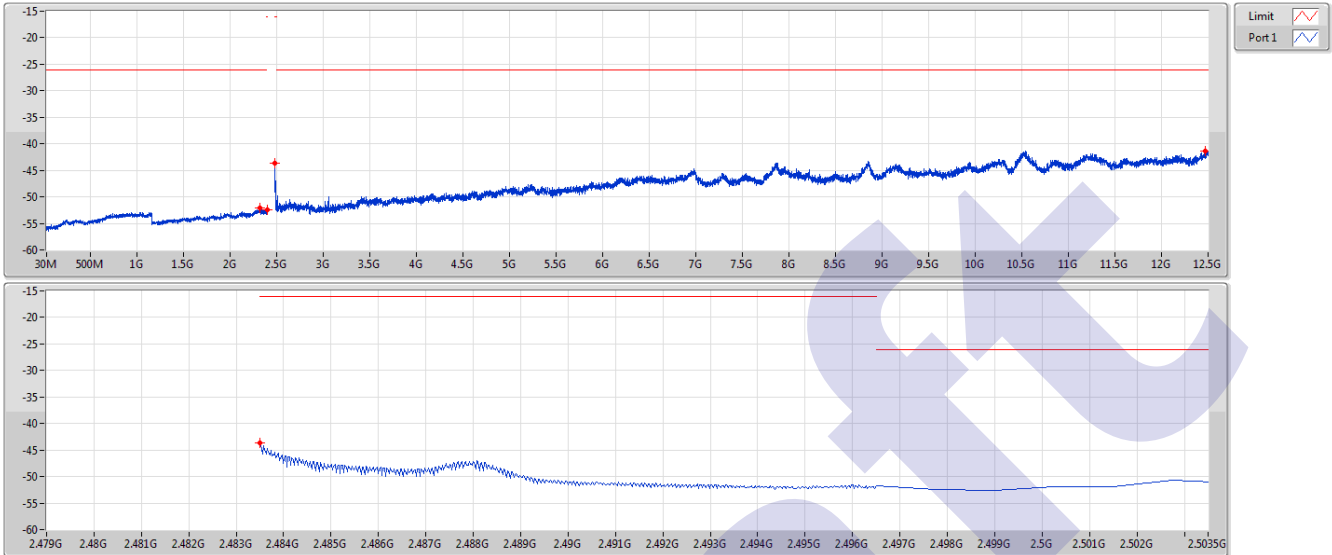
2480MHz\_TnomVmin



BT-LE(2Mbps)

CSE-TX-DTS

2480MHz\_TnomVmax



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.31983G	-52.02	-26.02	-26.00	-52.02
2.387G	2.4G	2.39961G	-52.36	-16.02	-36.34	-52.36
2.4835G	2.4965G	2.4835G	-43.58	-16.02	-27.56	-43.58
2.4965G	12.5G	12.47249G	-41.29	-26.02	-15.27	-41.29

**Summary**

Mode	Result	MAC (ID Length)	ID Limit	Function
2.4-2.4835GHz	-	-	-	-
BT-LE(125kbps)	Pass	DA:A6:CC:FC:77:51	48 bits	Good

**Result**

Mode	Result	MAC (ID Length)	ID Limit	Function
BT-LE(125kbps)	-	-	-	-
2402MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good

**Summary**

Mode	Result	MAC (ID Length)	ID Limit	Function
2.4-2.4835GHz	-	-	-	-
BT-LE(500kbps)	Pass	DA:A6:CC:FC:77:51	48 bits	Good

**Result**

Mode	Result	MAC (ID Length)	ID Limit	Function
BT-LE(500kbps)	-	-	-	-
2402MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good

**Summary**

Mode	Result	MAC (ID Length)	ID Limit	Function
2.4-2.4835GHz	-	-	-	-
BT-LE(1Mbps)	Pass	DA:A6:CC:FC:77:51	48 bits	Good

**Result**

Mode	Result	MAC (ID Length)	ID Limit	Function
BT-LE(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good

**Summary**

Mode	Result	MAC (ID Length)	ID Limit	Function
2.4-2.4835GHz	-	-	-	-
BT-LE(2Mbps)	Pass	DA:A6:CC:FC:77:51	48 bits	Good

**Result**

Mode	Result	MAC (ID Length)	ID Limit	Function
BT-LE(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2402MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2440MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVnom	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmin	Pass	DA:A6:CC:FC:77:51	48 bits	Good
2480MHz_TnomVmax	Pass	DA:A6:CC:FC:77:51	48 bits	Good



**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	1G	12.5G	1M	12.48563G	-65.84	0.26062	-46.99	20

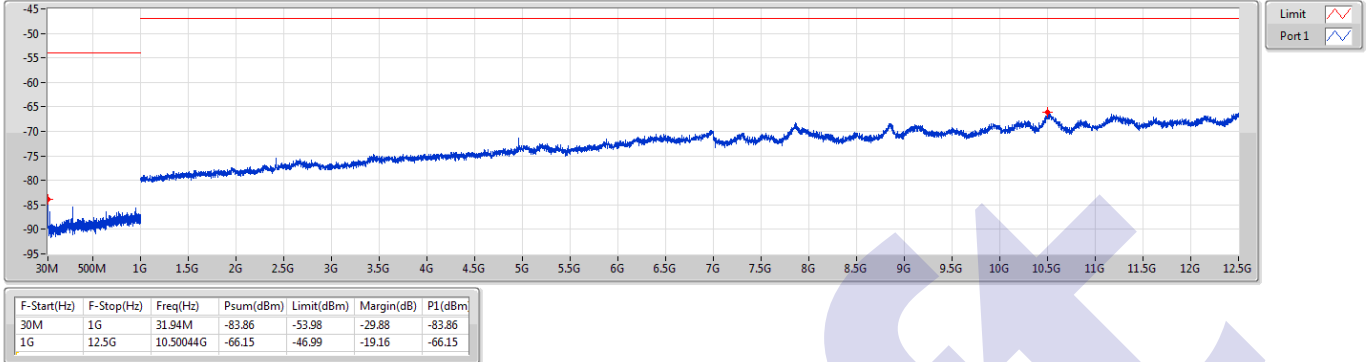
**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	31.94M	-83.86	0.00411	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	10.50044G	-66.15	0.24266	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-84.90	0.00324	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	10.51481G	-66.14	0.24322	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-84.19	0.00381	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	12.49569G	-66.19	0.24044	-46.99	20
2440MHz_TnomVnom	Pass	30M	1G	100k	31.94M	-83.75	0.00422	-53.98	4
2440MHz_TnomVnom	Pass	1G	12.5G	1M	12.48563G	-65.84	0.26062	-46.99	20
2440MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-84.95	0.0032	-53.98	4
2440MHz_TnomVmin	Pass	1G	12.5G	1M	12.48994G	-65.99	0.25177	-46.99	20
2440MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-84.76	0.00334	-53.98	4
2440MHz_TnomVmax	Pass	1G	12.5G	1M	12.49569G	-66.17	0.24155	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	315.67M	-83.90	0.00407	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	12.47556G	-66.08	0.2466	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-85.16	0.00305	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	12.49856G	-65.87	0.25882	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-85.04	0.00313	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	10.52488G	-65.86	0.25942	-46.99	20

BT-LE(125kbps)

CSE-RX-DTS

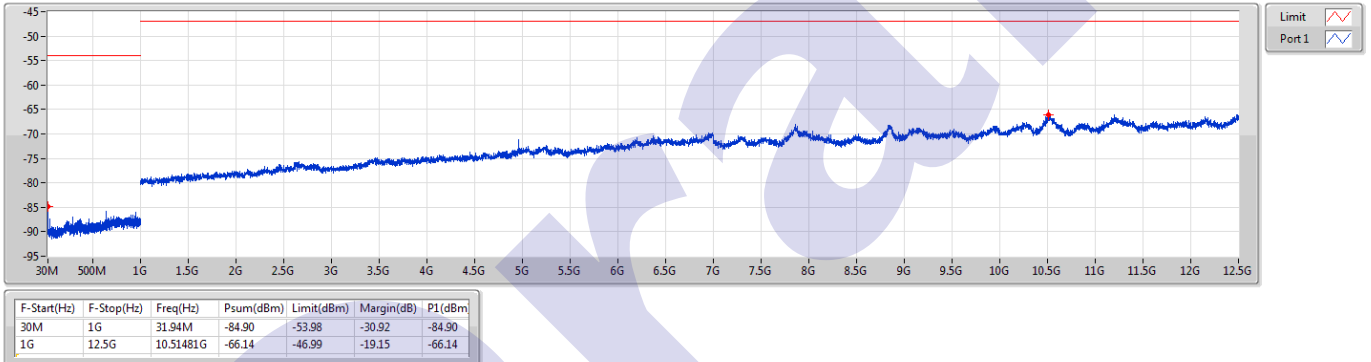
2402MHz\_TnomVnom



BT-LE(125kbps)

CSE-RX-DTS

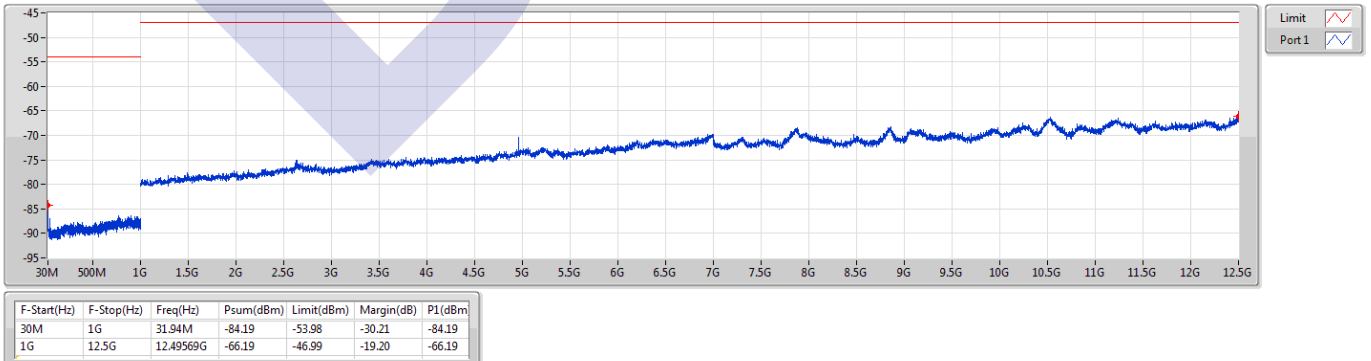
2402MHz\_TnomVmin



BT-LE(125kbps)

CSE-RX-DTS

2402MHz\_TnomVmax

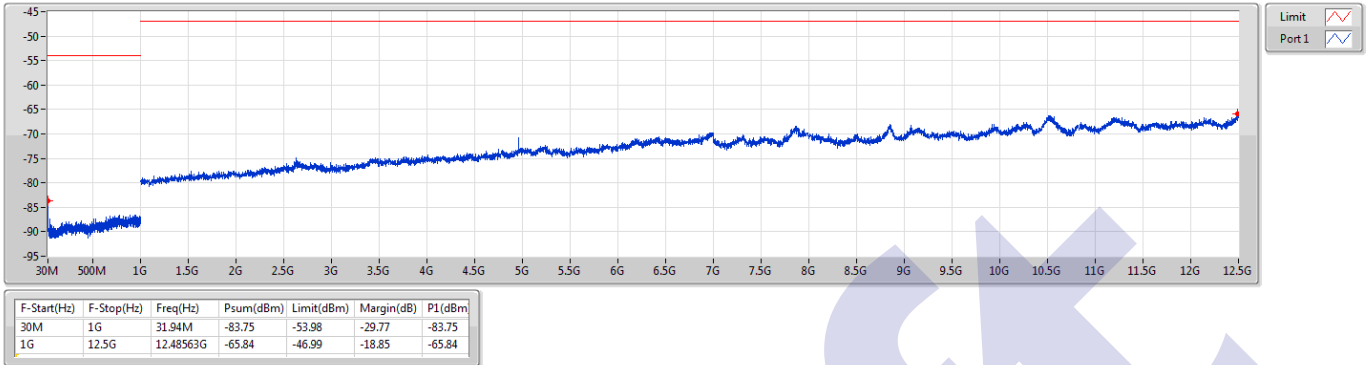




BT-LE(125kbps)

CSE-RX-DTS

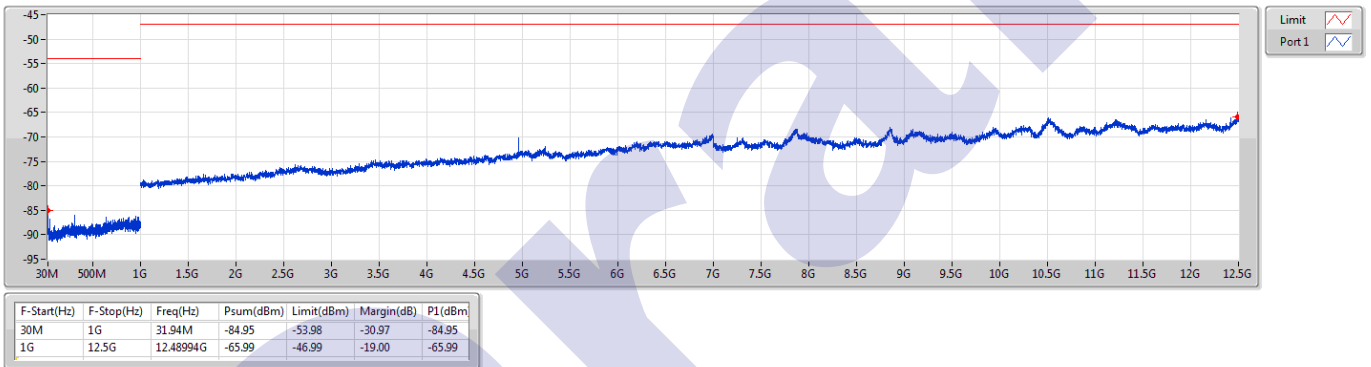
2440MHz\_TnomVnom



BT-LE(125kbps)

CSE-RX-DTS

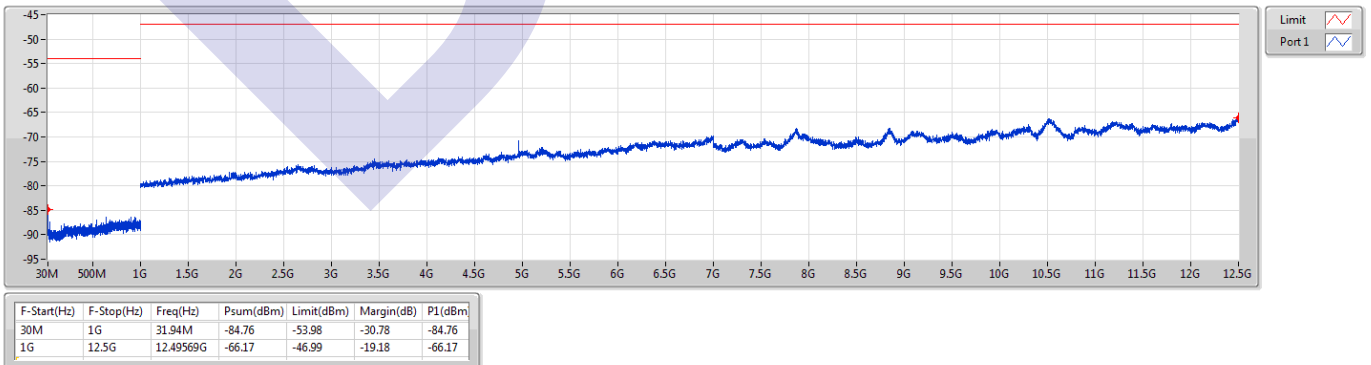
2440MHz\_TnomVmin



BT-LE(125kbps)

CSE-RX-DTS

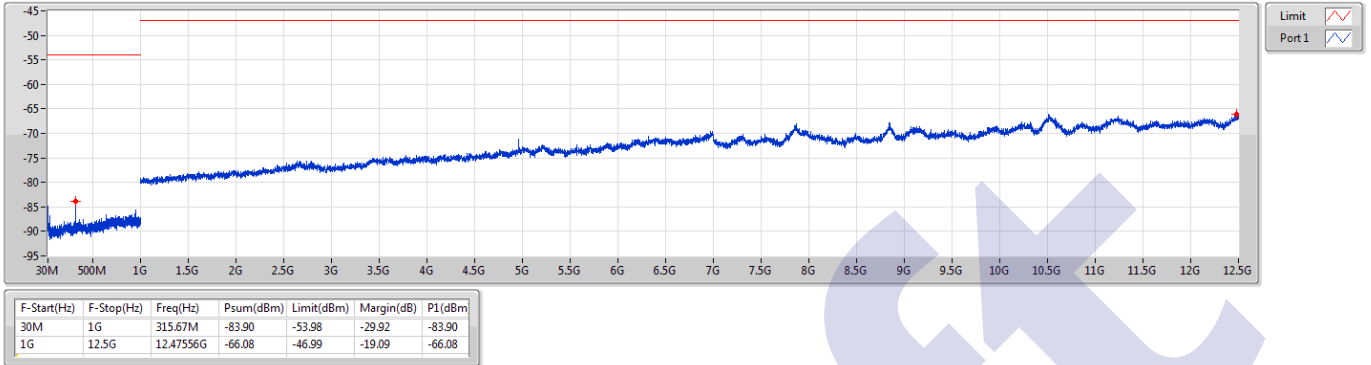
2440MHz\_TnomVmax



BT-LE(125kbps)

CSE-RX-DTS

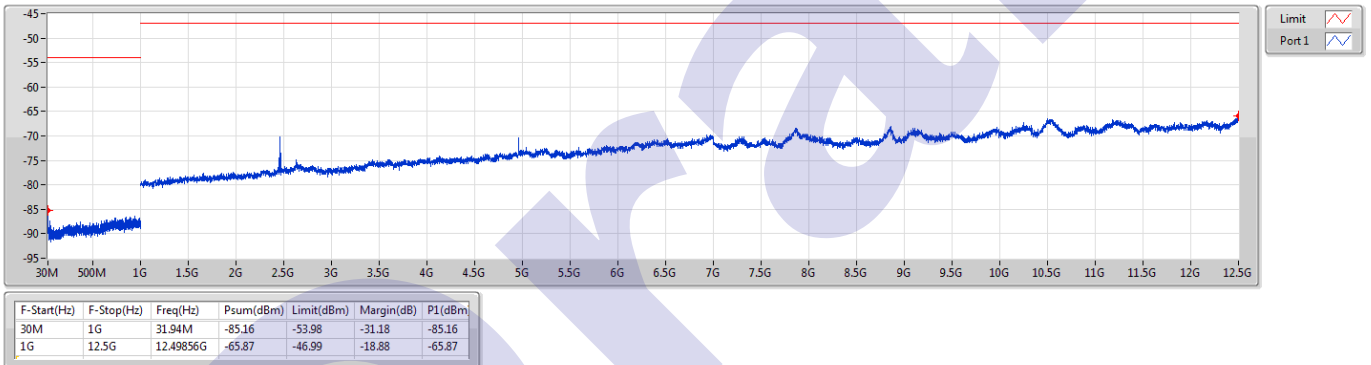
2480MHz\_TnomVnom



BT-LE(125kbps)

CSE-RX-DTS

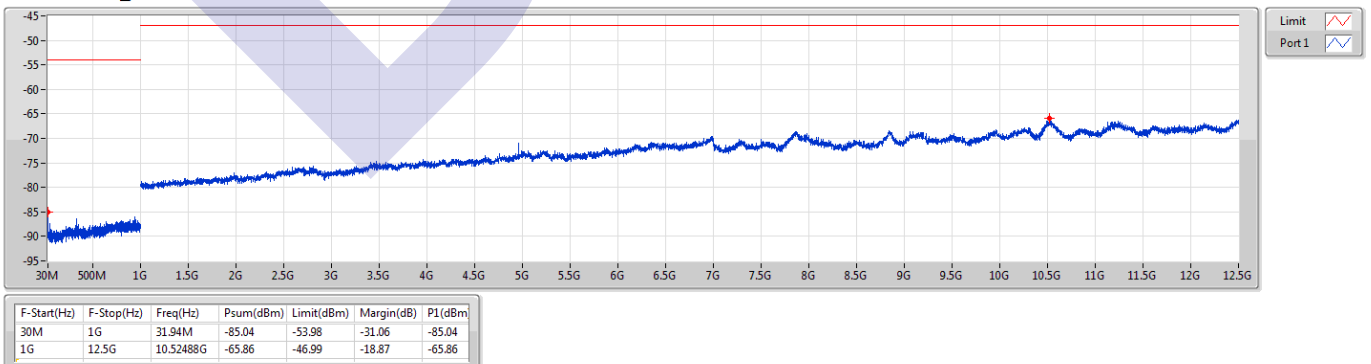
2480MHz\_TnomVmin



BT-LE(125kbps)

CSE-RX-DTS

2480MHz\_TnomVmax



**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(500kbps)	Pass	1G	12.5G	1M	10.50188G	-65.87	0.25882	-46.99	20

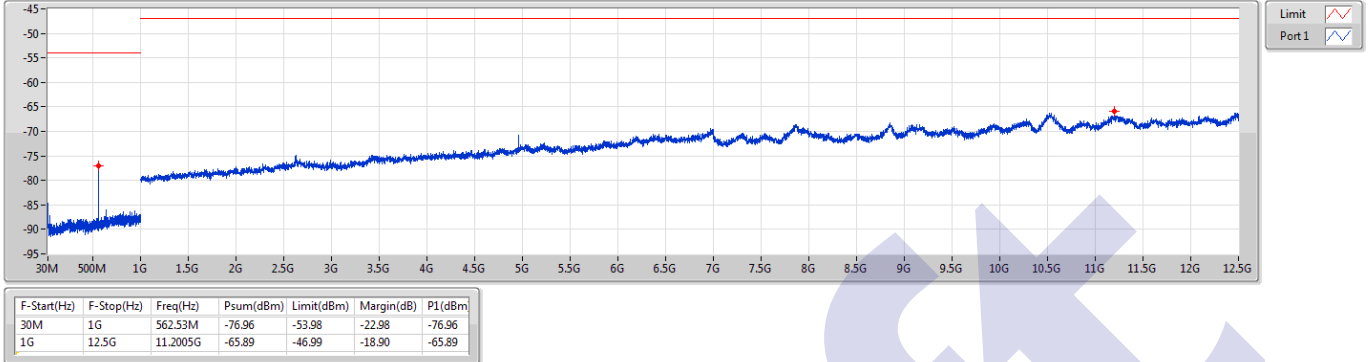
**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	562.53M	-76.96	0.02014	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	11.2005G	-65.89	0.25763	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	573.69M	-84.09	0.0039	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	10.5105G	-65.94	0.25468	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-85.11	0.00308	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	10.53781G	-66.12	0.24434	-46.99	20
2440MHz_TnomVnom	Pass	30M	1G	100k	31.94M	-85.06	0.00312	-53.98	4
2440MHz_TnomVnom	Pass	1G	12.5G	1M	12.49425G	-66.10	0.24547	-46.99	20
2440MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-84.84	0.00328	-53.98	4
2440MHz_TnomVmin	Pass	1G	12.5G	1M	10.52631G	-65.95	0.2541	-46.99	20
2440MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-83.98	0.004	-53.98	4
2440MHz_TnomVmax	Pass	1G	12.5G	1M	10.5105G	-66.17	0.24155	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	609.09M	-82.88	0.00515	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	10.52056G	-66.29	0.23496	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	621.22M	-82.21	0.00601	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	10.50188G	-65.87	0.25882	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-85.06	0.00312	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	10.52775G	-65.98	0.25235	-46.99	20

## BT-LE(500kbps)

CSE-RX-DTS

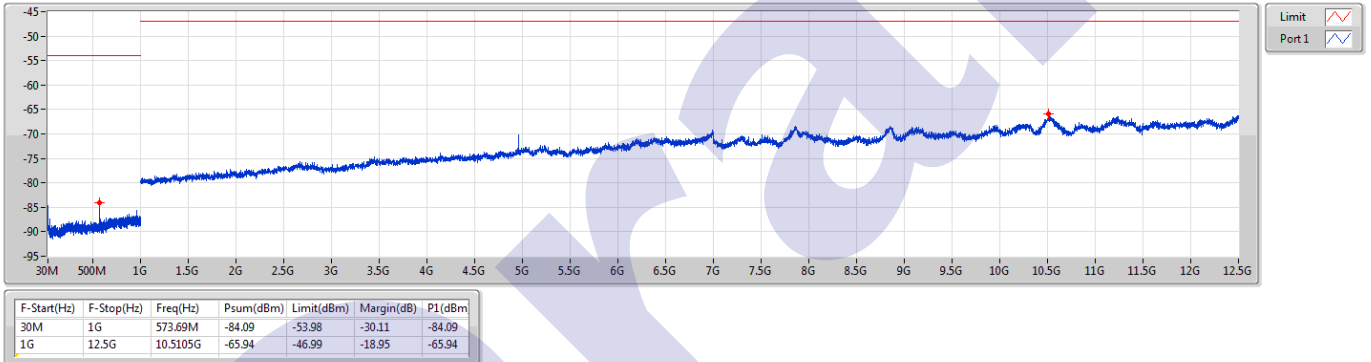
### 2402MHz\_TnomVnom



## BT-LE(500kbps)

CSE-RX-DTS

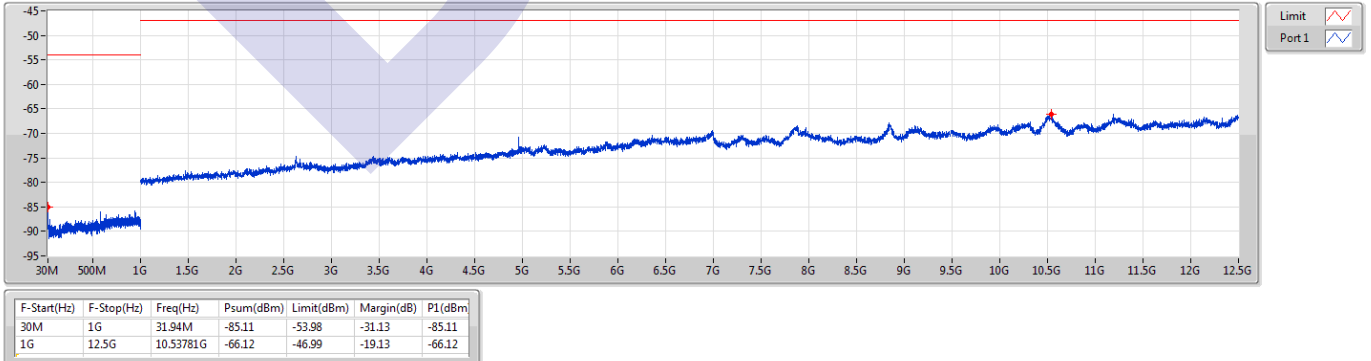
### 2402MHz\_TnomVmin



## BT-LE(500kbps)

CSE-RX-DTS

### 2402MHz\_TnomVmax

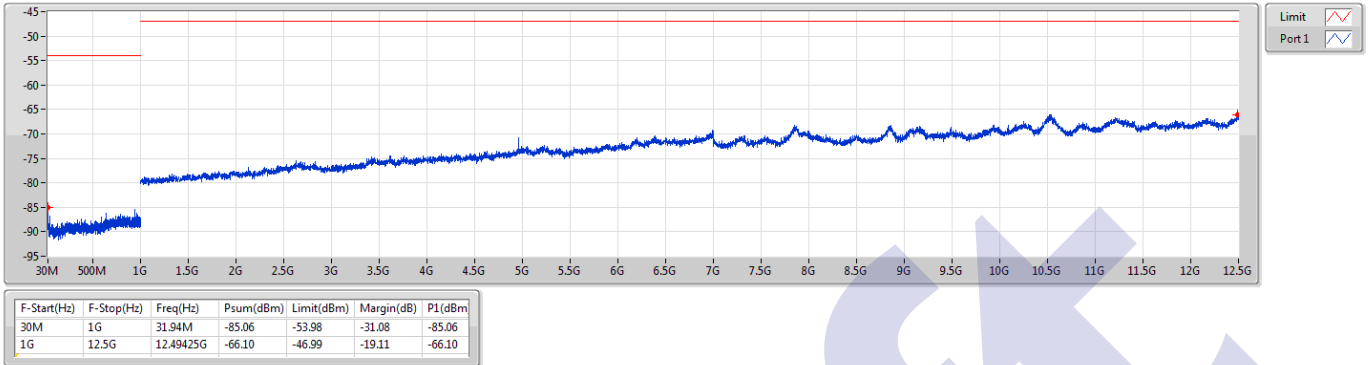




BT-LE(500kbps)

CSE-RX-DTS

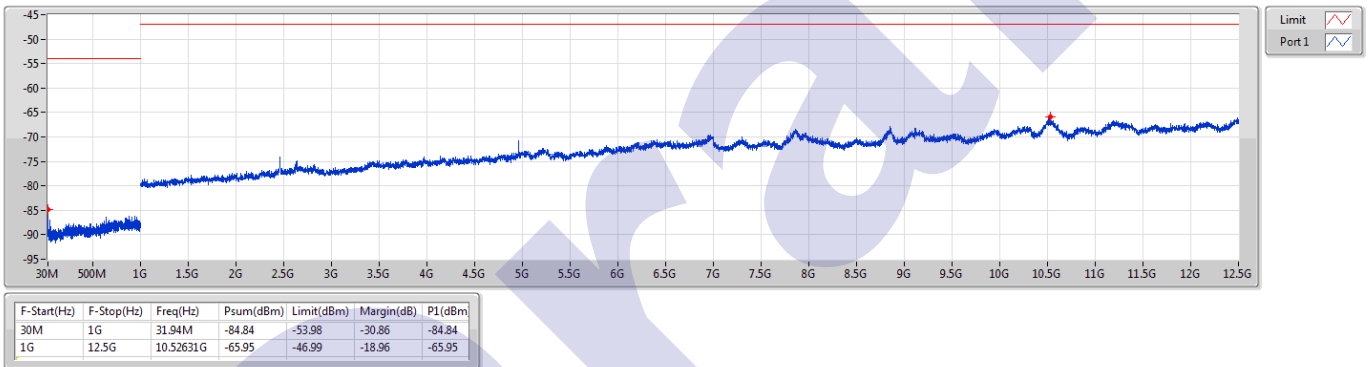
2440MHz\_TnomVnom



BT-LE(500kbps)

CSE-RX-DTS

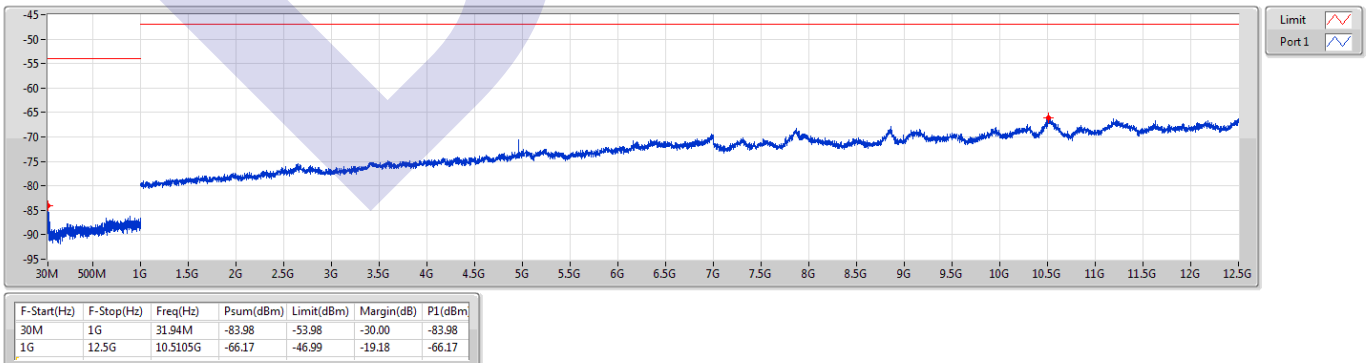
2440MHz\_TnomVmin



BT-LE(500kbps)

CSE-RX-DTS

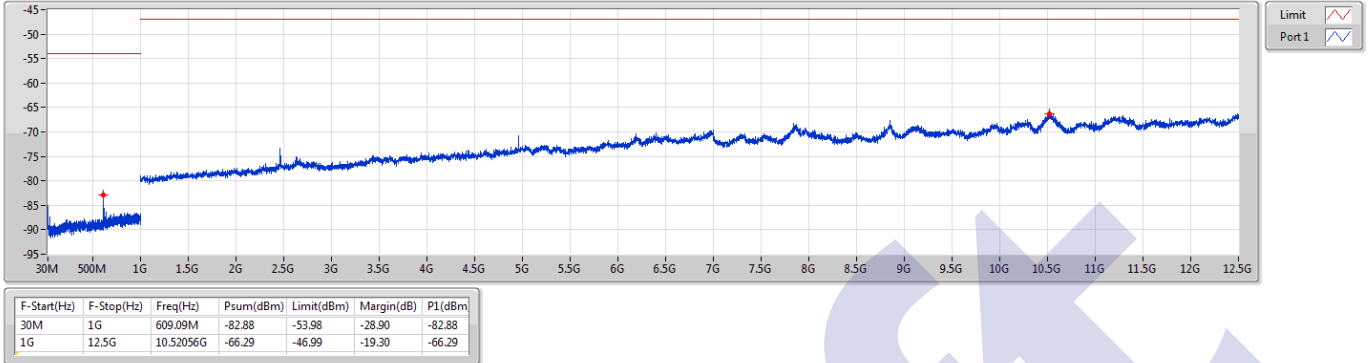
2440MHz\_TnomVmax



BT-LE(500kbps)

CSE-RX-DTS

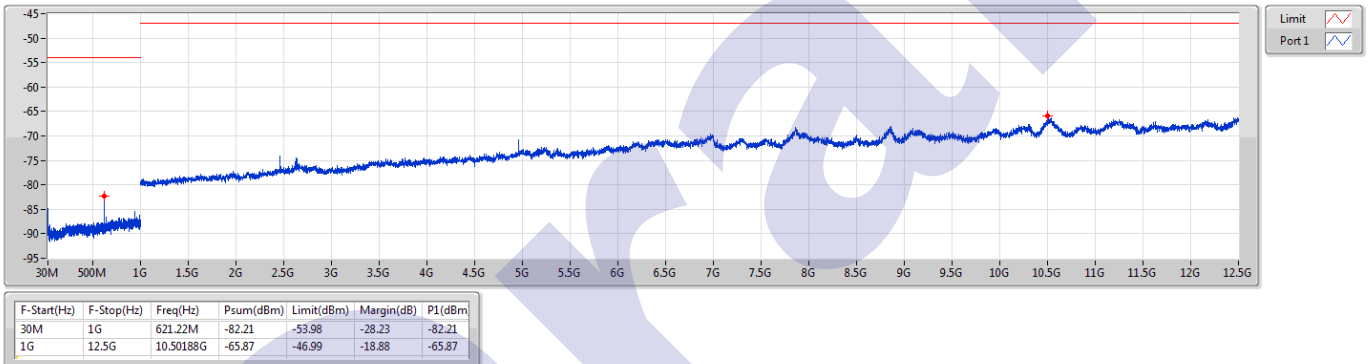
2480MHz\_TnomVnom



BT-LE(500kbps)

CSE-RX-DTS

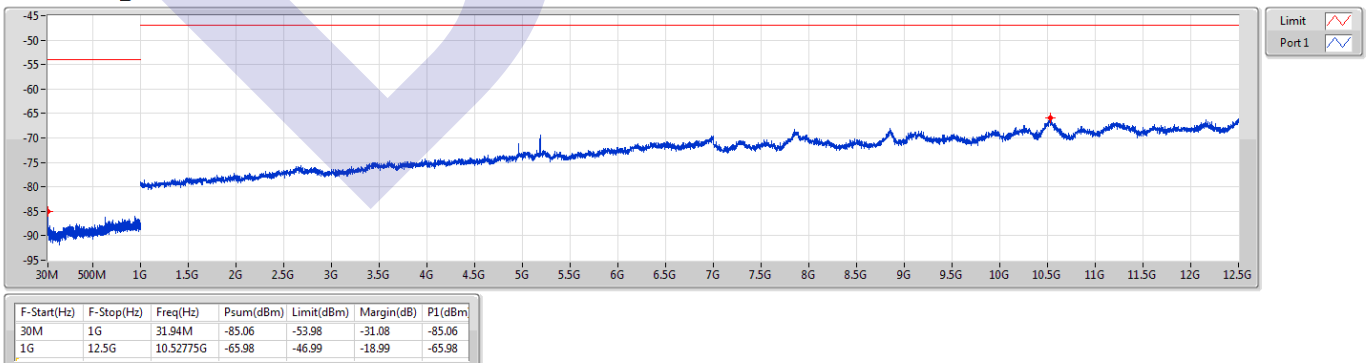
2480MHz\_TnomVmin



BT-LE(500kbps)

CSE-RX-DTS

2480MHz\_TnomVmax





**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	1G	12.5G	1M	12.48563G	-65.72	0.26792	-46.99	20

**Result**

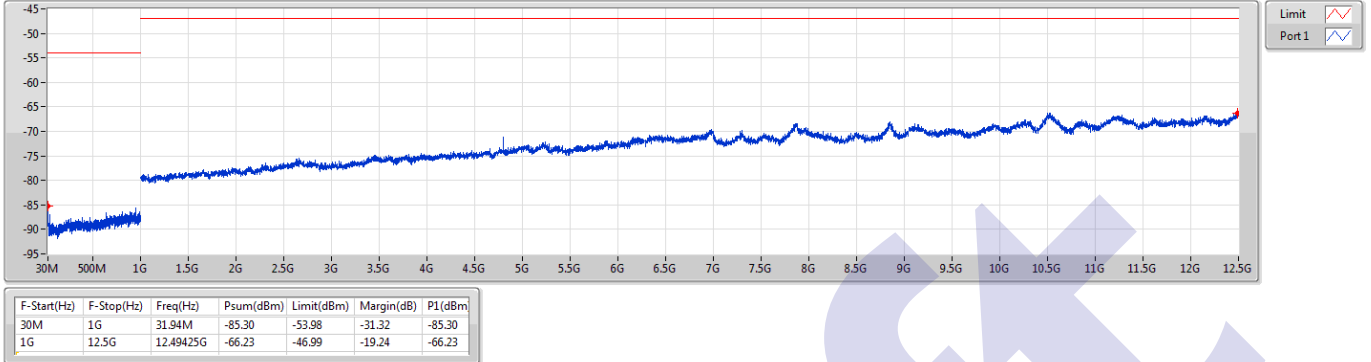
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	31.94M	-85.30	0.00295	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	12.49425G	-66.23	0.23823	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-84.68	0.0034	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	12.49425G	-66.05	0.24831	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-85.09	0.0031	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	12.49713G	-66.41	0.22856	-46.99	20
2440MHz_TnomVnom	Pass	30M	1G	100k	621.22M	-79.44	0.01138	-53.98	4
2440MHz_TnomVnom	Pass	1G	12.5G	1M	10.51481G	-66.03	0.24946	-46.99	20
2440MHz_TnomVmin	Pass	30M	1G	100k	633.83M	-84.84	0.00328	-53.98	4
2440MHz_TnomVmin	Pass	1G	12.5G	1M	10.52488G	-65.99	0.25177	-46.99	20
2440MHz_TnomVmax	Pass	30M	1G	100k	640.13M	-80.83	0.00826	-53.98	4
2440MHz_TnomVmax	Pass	1G	12.5G	1M	10.52488G	-65.83	0.26122	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	31.94M	-84.40	0.00363	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	12.48275G	-66.05	0.24831	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-85.07	0.00311	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	12.48563G	-65.72	0.26792	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-85.61	0.00275	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	12.48706G	-66.35	0.23174	-46.99	20



BT-LE(1Mbps)

CSE-RX-DTS

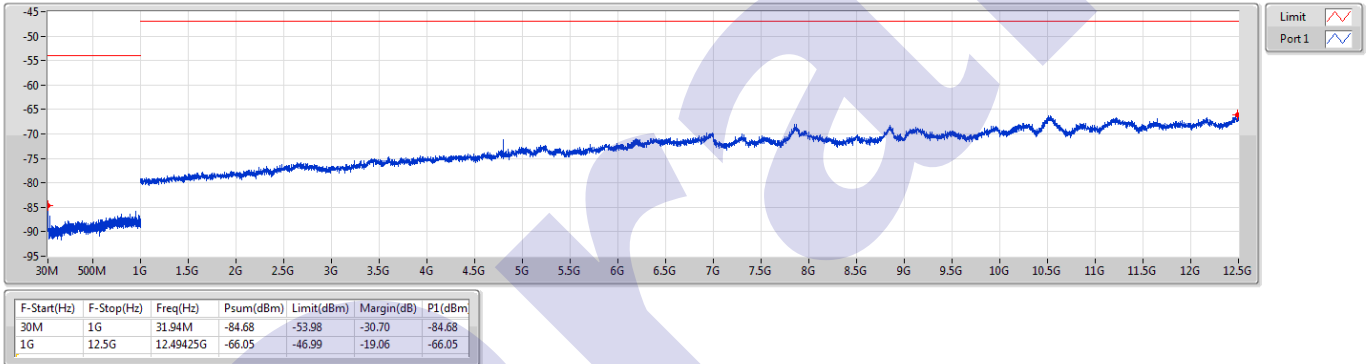
2402MHz\_TnomVnom



BT-LE(1Mbps)

CSE-RX-DTS

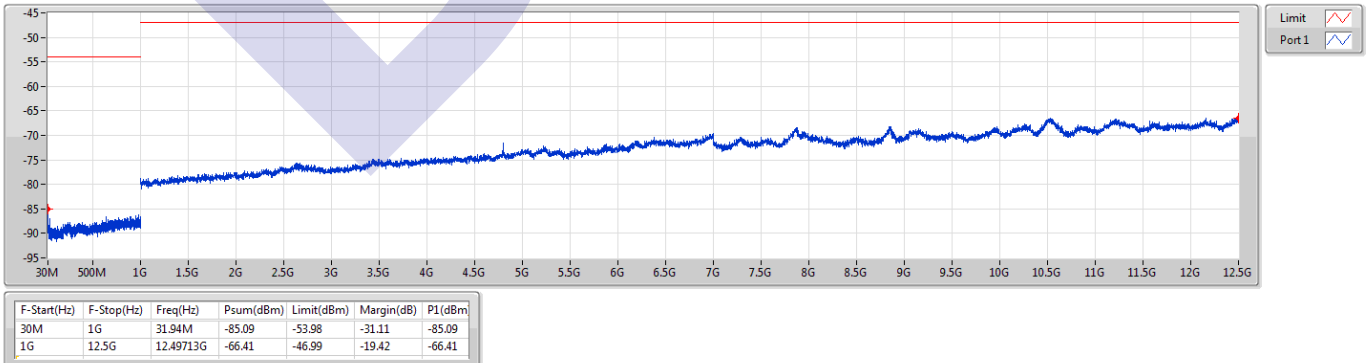
2402MHz\_TnomVmin



BT-LE(1Mbps)

CSE-RX-DTS

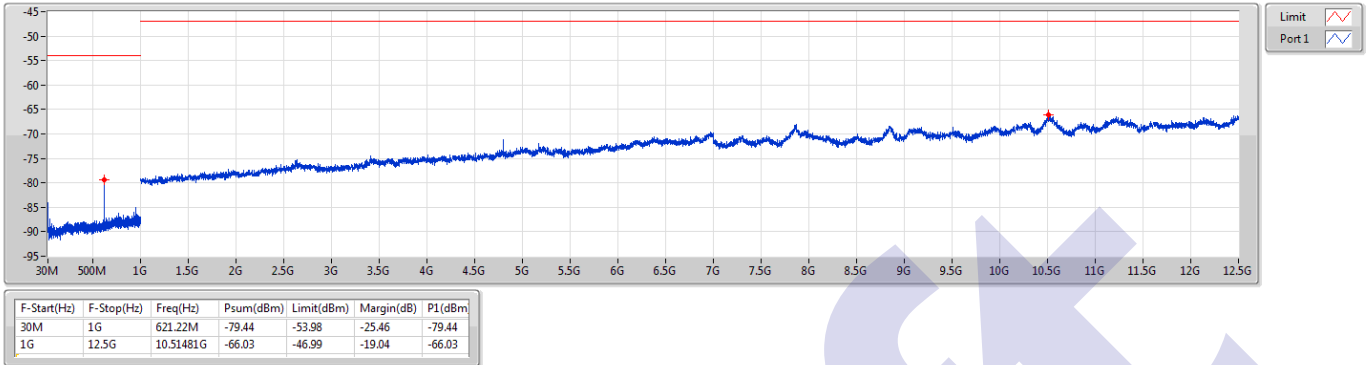
2402MHz\_TnomVmax



BT-LE(1Mbps)

CSE-RX-DTS

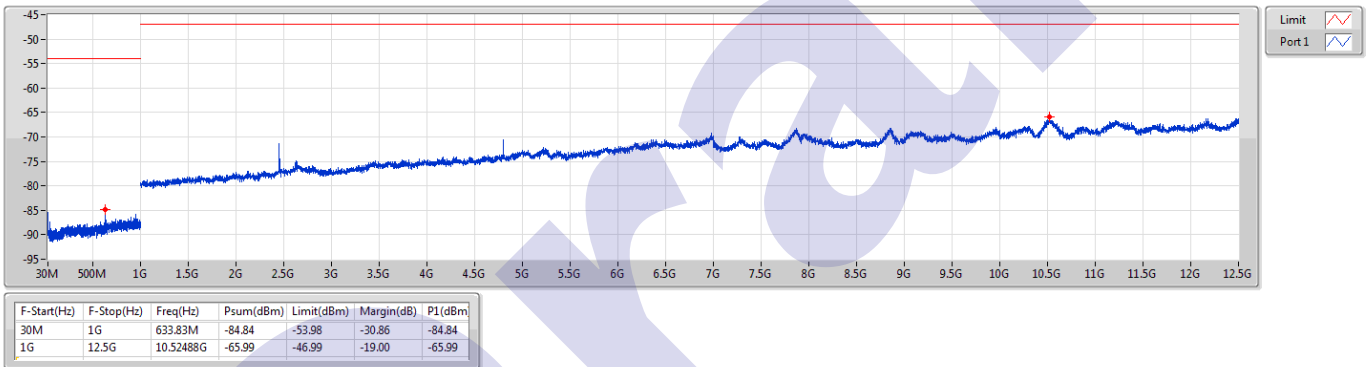
2440MHz\_TnomVnom



BT-LE(1Mbps)

CSE-RX-DTS

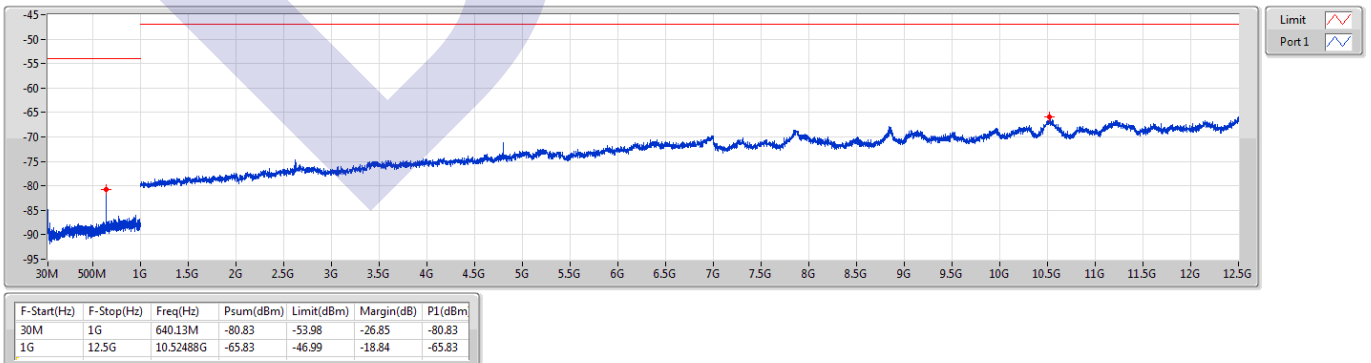
2440MHz\_TnomVmin



BT-LE(1Mbps)

CSE-RX-DTS

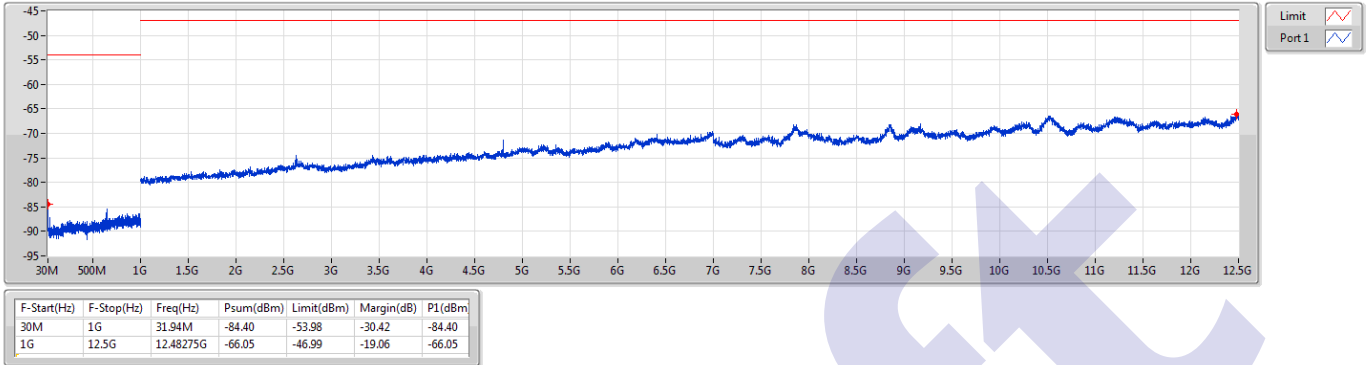
2440MHz\_TnomVmax



BT-LE(1Mbps)

CSE-RX-DTS

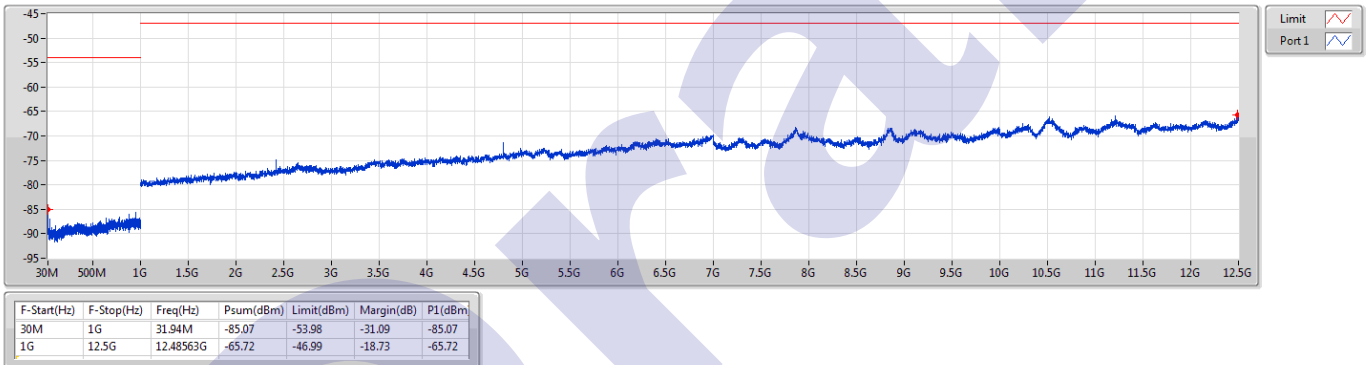
2480MHz\_TnomVnom



BT-LE(1Mbps)

CSE-RX-DTS

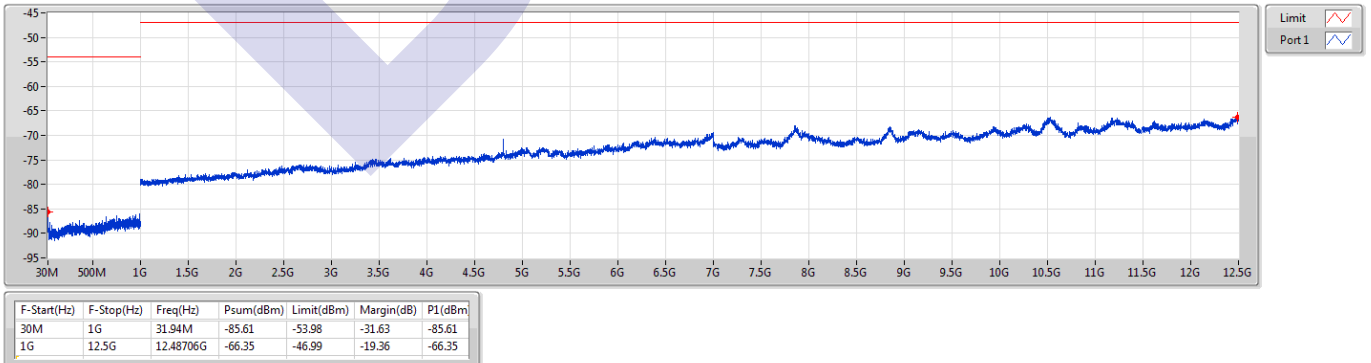
2480MHz\_TnomVmin



BT-LE(1Mbps)

CSE-RX-DTS

2480MHz\_TnomVmax



**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	1G	12.5G	1M	10.52488G	-65.76	0.26546	-46.99	20

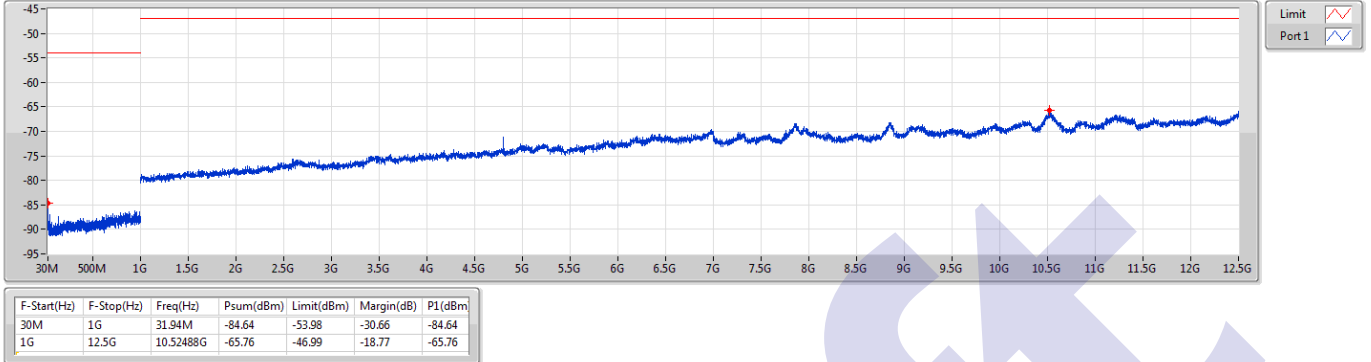
**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	31.94M	-84.64	0.00344	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	10.52488G	-65.76	0.26546	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-84.97	0.00318	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	10.51194G	-65.84	0.26062	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-84.02	0.00396	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	12.5G	-66.36	0.23121	-46.99	20
2440MHz_TnomVnom	Pass	30M	1G	100k	31.94M	-85.35	0.00292	-53.98	4
2440MHz_TnomVnom	Pass	1G	12.5G	1M	10.52488G	-65.90	0.25704	-46.99	20
2440MHz_TnomVmin	Pass	30M	1G	100k	31.94M	-85.34	0.00292	-53.98	4
2440MHz_TnomVmin	Pass	1G	12.5G	1M	10.52488G	-66.28	0.2355	-46.99	20
2440MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-85.90	0.00257	-53.98	4
2440MHz_TnomVmax	Pass	1G	12.5G	1M	12.45688G	-66.20	0.23988	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	129.91M	-81.67	0.00681	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	10.50906G	-65.95	0.2541	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	131.37M	-84.07	0.00392	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	12.4885G	-66.14	0.24322	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	31.94M	-84.73	0.00337	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	12.49138G	-66.10	0.24547	-46.99	20

## BT-LE(2Mbps)

CSE-RX-DTS

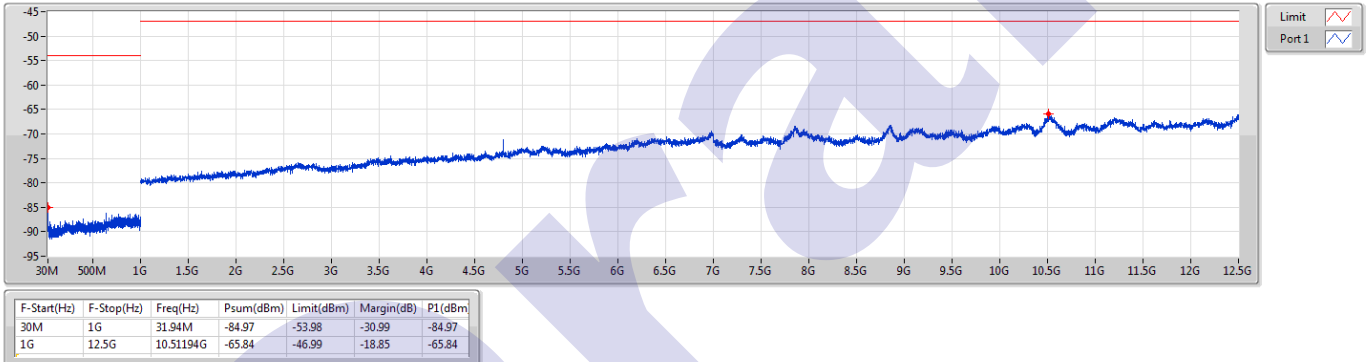
### 2402MHz\_TnomVnom



## BT-LE(2Mbps)

CSE-RX-DTS

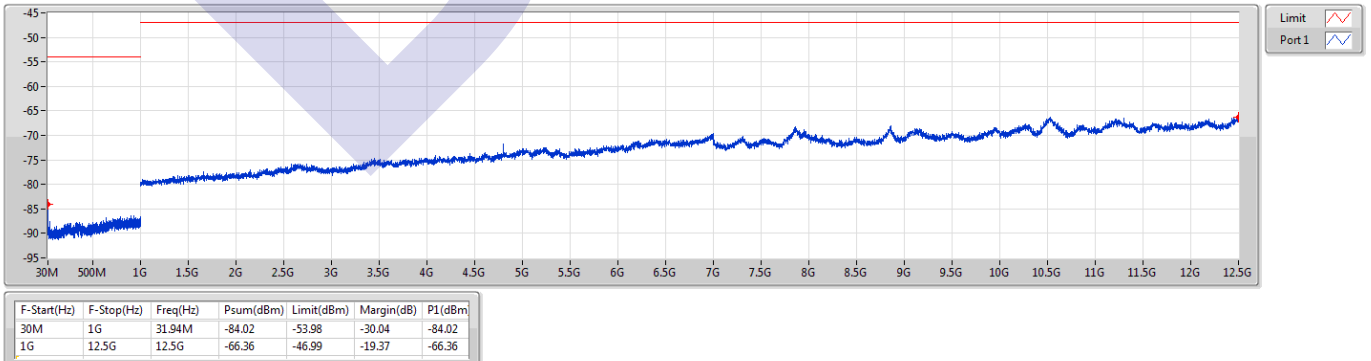
### 2402MHz\_TnomVmin



## BT-LE(2Mbps)

CSE-RX-DTS

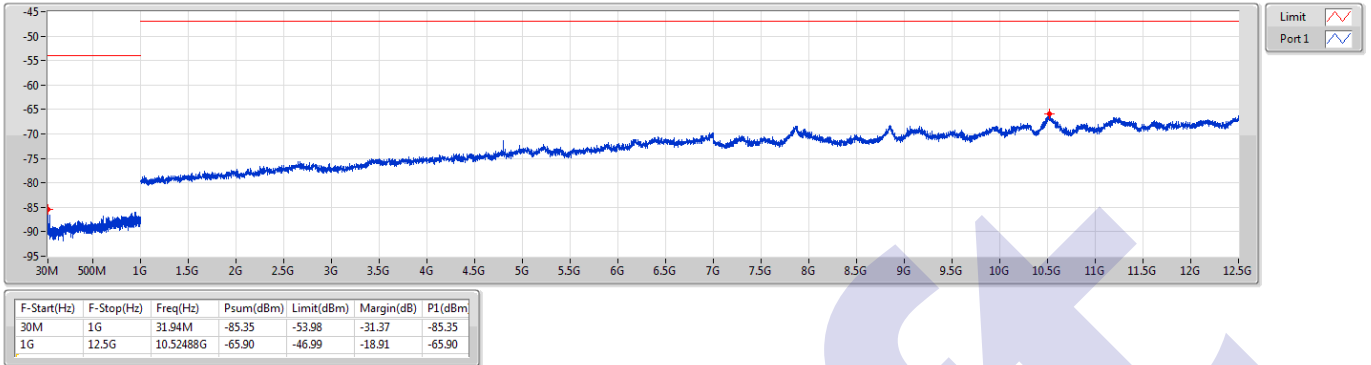
### 2402MHz\_TnomVmax



BT-LE(2Mbps)

CSE-RX-DTS

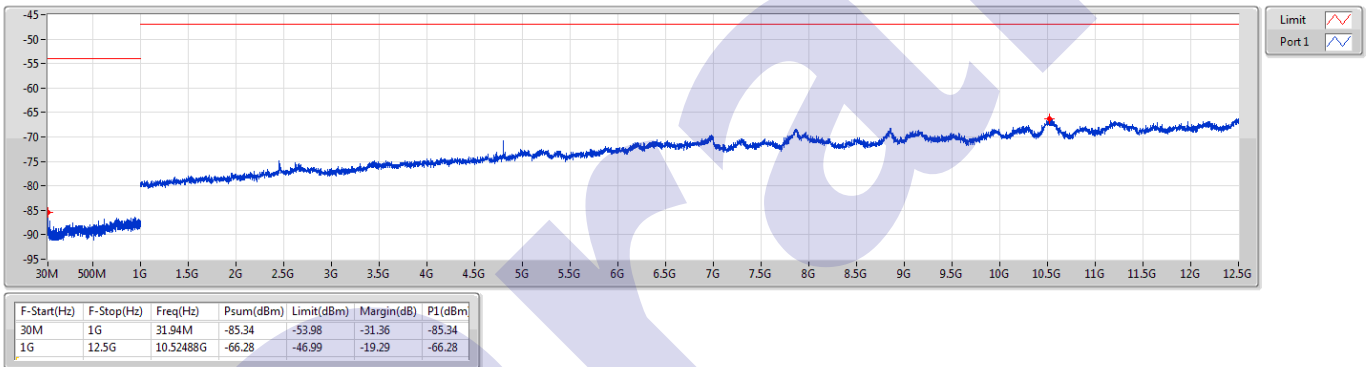
2440MHz\_TnomVnom



BT-LE(2Mbps)

CSE-RX-DTS

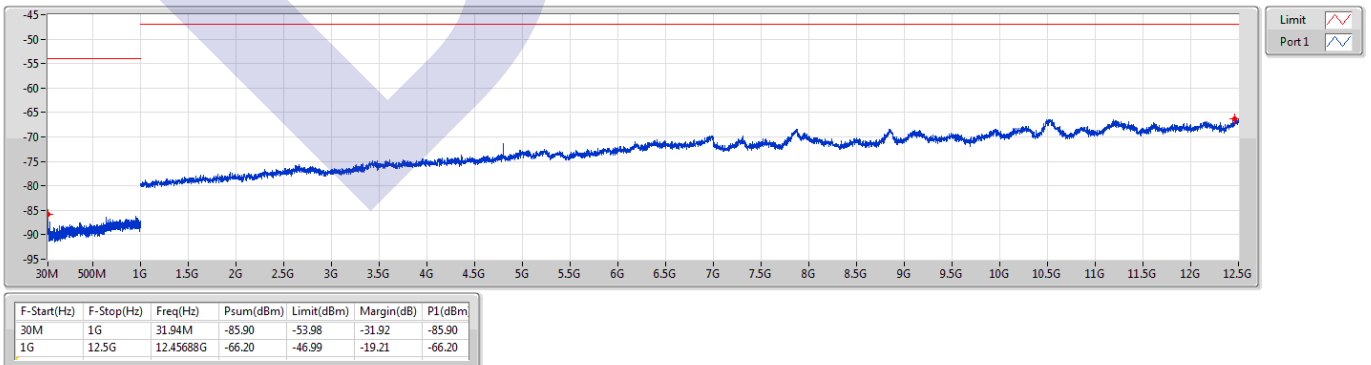
2440MHz\_TnomVmin



BT-LE(2Mbps)

CSE-RX-DTS

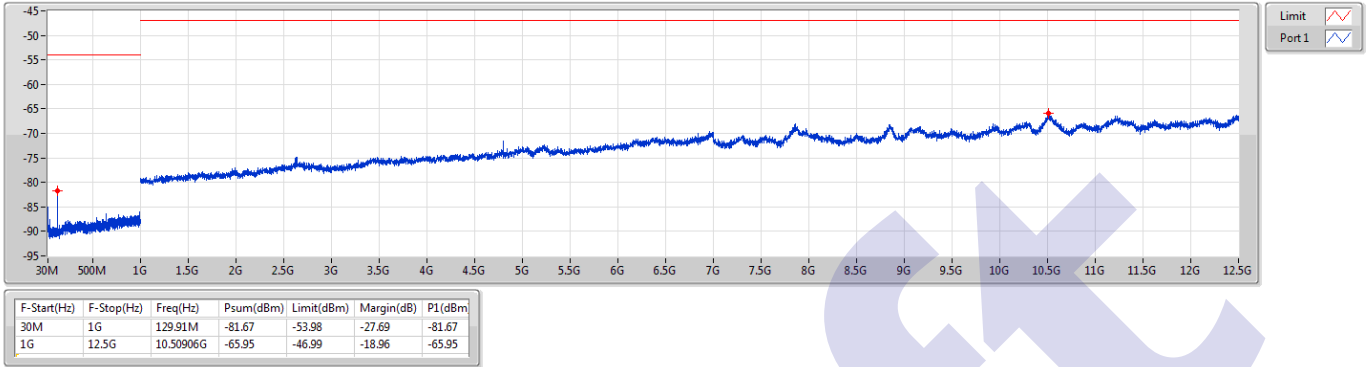
2440MHz\_TnomVmax



BT-LE(2Mbps)

CSE-RX-DTS

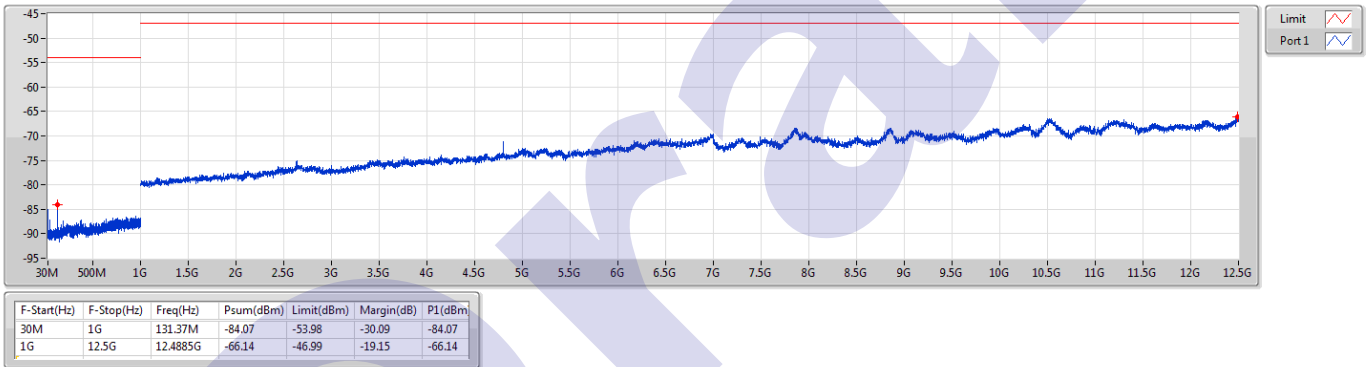
2480MHz\_TnomVnom



BT-LE(2Mbps)

CSE-RX-DTS

2480MHz\_TnomVmin



BT-LE(2Mbps)

CSE-RX-DTS

2480MHz\_TnomVmax

