FCC Test Report

FCC ID	:	**SQG-VELAIF310**
Equipment	:	**Vela IF310 Bluetooth 6.0 Classic and LE Audio Module**
Model No.	:	**Vela IF310**
Brand Name	:	**Ezurio**
Applicant	:	**Ezurio LLC**
Address	:	**W66N220 Commerce Court, Cedarburg, WI 53012, USA**
Standard	:	**47 CFR FCC Part 15.247**
Received Date	:	**Oct. 22, 2025**
Tested Date	:	**Nov. 28 ~ Dec. 22, 2025**

We, International Certification Corporation, 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 shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: **Approved by:**

Along Chen / Manager **Gary Chang / Manager**

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FR5O2201AE	Rev. 01	Initial issue	Jan. 19, 2026

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.358MHz 24.07 (Margin -24.71dB) - AV	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 46.49MHz 29.37 (Margin -10.63dB) - PK	Pass
15.247(b)(3)	Conducted Output Power	Power [dBm]: 7.28	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	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

Brand Name	Model Name	Product Name	Description
Ezurio	Vela IF310	Vela IF310 Bluetooth 6.0 Classic and LE Audio Module	453-00390: Module with integrated PCB printed antenna
			453-00391: Module with MHF4 connector
			453-00392: Module with RF trace extending to the carrier board

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information				
Frequency Range (MHz)	**Bluetooth Mode**	**Ch. Freq. (MHz)**	**Channel Number**	**Data Rate**
2400-2483.5	LE	2402-2480	0-39 [40]	125 kbps
				500 kbps
				1 Mbps
				2 Mbps
Note: Bluetooth LE (Low energy) uses GFSK modulation.				

1.1.3 Antenna Details

External Antenna list for Vela IF310 MHF4 module variant (453-00391) & (453-00392)

Manufacturer	Model	Part Number	Type	Connector	Gain (dBi)
Ezurio	NanoBlue	EBL2400A1-10MH4L	PCB Dipole	IPEX MHF4	2
Ezurio	FlexPIFA	001-0022	FlexPIFA	IPEX MHF4L	2
Ezurio	mFlexPIFA	EFA2400A3S-10MH4L	PIFA	IPEX MHF4L	2
Mag.Layers	EDA-8709-2G4C1-B27-CY	0600-00057	Dipole	IPEX MHF4	2.32
Ezurio	i-FlexPIFATM Mini Series	EFG2401A3S-10MH4L	i-FlexPIFA	IPEX MHF4L	2

Integrated Antenna Vela IF310 PCB printed antenna module variant (453-00390)

Manufacturer	Model	Part Number	Type	Connector	Gain (dBi)
Ignion	Embedded Virtual Antenna	NN00-101	PCB Trace Antenna	N/A	3.2

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3Vdc from host

1.1.5 Accessories

N/A.

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 Duty Cycle

Test Tool	AIROC, Version: 1.2.0.2890	
Modulation Mode	Duty Cycle Of Test Signal (%)	Duty Factor (dB)
BT-LE(125kbps)	98.35%	0.07
BT-LE(500kbps)	91.93%	0.37
BT-LE(1Mbps)	86.51%	0.63
BT-LE(2Mbps)	58.04%	2.36

1.1.8 Power Index of Test Tool

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

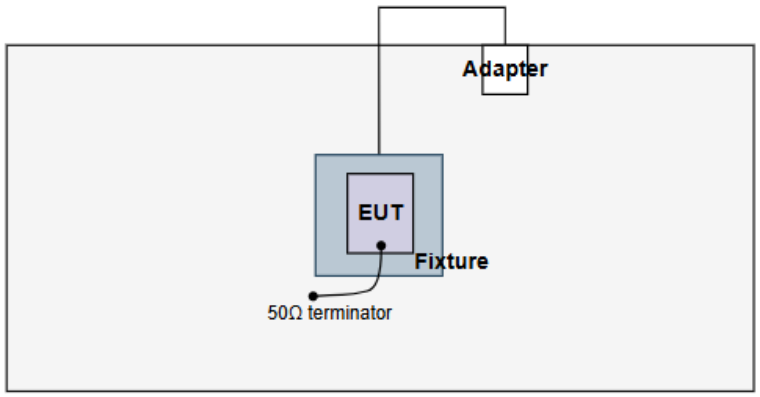
1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Fixture	---	---	---	Provided by applicant.
2	50 ohm load	woken	WTER-18S2	---	---
3	Laptop	DELL	Latitude E5470	DoC	---
4	USB Cable	U-GREEN	US399	---	---

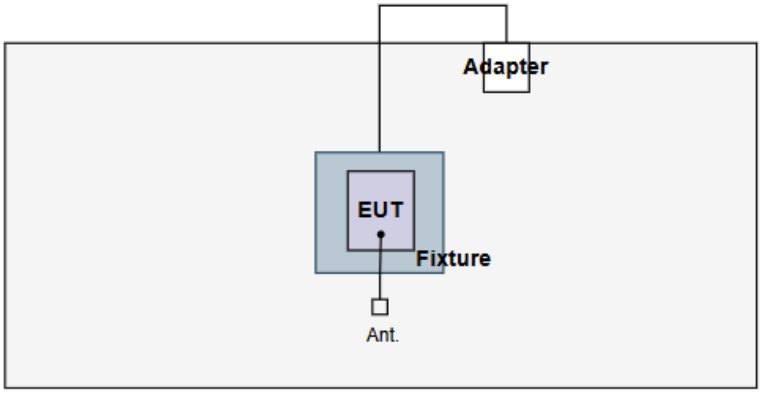
Note: After sending the command to the EUT to transmit continuously, item No. 3 and 4 were disconnected and removed from the testing table.

1.3 Test Setup Chart

Test Setup Diagram (for radiated emission test)



Test Setup Diagram (for conducted emission test)



1.4 Test Equipment List and Calibration Data

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Dec. 22, 2025				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 25, 2025	Feb. 24, 2026
LISN	R&S	ENV216	101579	May 07, 2025	May 06, 2026
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Mar. 21, 2025	Mar. 20, 2026
RF Cable-CON	EMC	EMCCFD300-BM-BM-6000	50821	Oct. 07, 2025	Oct. 06, 2026
50 ohm terminal	NA	50	3	Jul. 30, 2025	Jul. 29, 2026
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Dec. 01 ~ Dec. 09, 2025				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 11, 2025	Mar. 10, 2026
Spectrum Analyzer	R&S	FSV40	101498	Nov. 06, 2025	Nov. 05, 2026
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2025	Nov. 16, 2026
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Sep. 05, 2025	Sep. 04, 2026
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1095	Sep. 03, 2025	Sep. 02, 2026
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 28, 2025	Nov. 27, 2026
Preamplifier	EMC	EMC02325	980225	Jun. 13, 2025	Jun. 12, 2026
Preamplifier	EMC	EMC118A45SE	980898	Jun. 24, 2025	Jun. 23, 2026
Preamplifier	EMC	EMC184045SE	980903	Aug. 08, 2025	Aug. 07, 2026
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 01, 2025	Sep. 30, 2026
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 01, 2025	Sep. 30, 2026
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 01, 2025	Sep. 30, 2026
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 01, 2025	Sep. 30, 2026
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 01, 2025	Sep. 30, 2026
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 01, 2025	Sep. 30, 2026
Attenuator	Pasternack	PE7005-10	10-1	Oct. 01, 2025	Sep. 30, 2026
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 01, 2025	Sep. 30, 2026
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	Nov. 28, 2025				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV3044	101516	Jun. 09, 2025	Jun. 08, 2026
Power Meter	Anritsu	ML2495A	1241002	Nov. 21, 2025	Nov. 20, 2026
Power Sensor	Anritsu	MA2411B	1207366	Nov. 21, 2025	Nov. 20, 2026
Attenuator	Pasternack	PE7005-10	10-2	Oct. 03, 2025	Oct. 02, 2026
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.247
ANSI C63.10-2020
ANSI C63.4-2014 + C63.4a-2017

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 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	±34.130 Hz
Conducted power	±0.808 dB
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Unwanted Emission ≤ 1GHz	±3.41 dB
Unwanted Emission > 1GHz	±4.59 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Test method	Test Configuration	Note
AC Power Line Conducted Emissions	BT-LE(2Mbps)	2402	Conducted	3	---
Unwanted Emissions ≤ 1GHz	BT-LE(2Mbps)	2402	Radiated	1	Note 2
			Conducted	1	---
Unwanted Emissions > 1GHz	BT-LE(1Mbps) BT-LE(2Mbps)	2402, 2440, 2480	Radiated	1	Note 2
			Conducted	1	---
Conducted Output Power 6dB bandwidth Power spectral density	BT-LE(125kbps) BT-LE(500kbps) BT-LE(1Mbps) BT-LE(2Mbps)	2402, 2440, 2480	Conducted	1	---
Unwanted Emissions ≤ 1GHz	BT-LE(2Mbps)	2480	Radiated	2	Note 2
Unwanted Emissions > 1GHz	BT-LE(1Mbps)	2480	Radiated	2	Note 2
Conducted Output Power	BT-LE(125kbps) BT-LE(500kbps) BT-LE(1Mbps) BT-LE(2Mbps)	2402, 2440, 2480	Conducted	2	---

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **X-plane** results were found as the worst case and were shown in this report.
2. The 50Ω terminator is connected to antenna port of EUT for radiated emission measurement.
3. Test configurations are listed as below:
   Configuration 1: part no. 453-00391
   Configuration 2: part no. 453-00392
   Configuration 3: part no. 453-00391 with highest gain Dipole antenna (model: EDA-8709-2G4C1-B27-CY)

3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

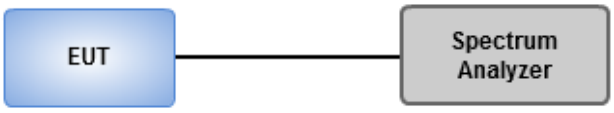
6dB Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Peak, Trace mode = max hold.
3. Sweep = No faster than coupled (auto) time, Allow the trace to stabilize.
4. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “−6 dB down amplitude”. If a marker is below this “−6 dB down amplitude” value, then it shall be as close as possible to this value

Occupied Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Sample, Trace mode = max hold.
3 Sweep = auto couple, Allow the trace to stabilize.
4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	24°C / 62%	Tested By	Roger Lu

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup

3.2.4 Test Results

Ambient Condition	24°C / 62%	**Tested By**	Roger Lu

Refer to Appendix B.

3.3 Power Spectral Density

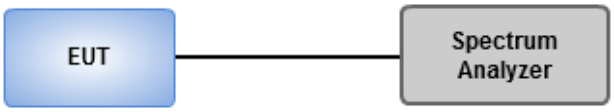
3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

1. Set the RBW = 3 kHz, VBW = 10 kHz.
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 Results

Ambient Condition	24°C / 62%	**Tested By**	Roger Lu

Refer to Appendix C.

3.4 Unwanted Emissions in Restricted Frequency Bands

3.4.1 Limit of Unwanted Emissions in Restricted Frequency Bands

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.4.2 Test Procedures

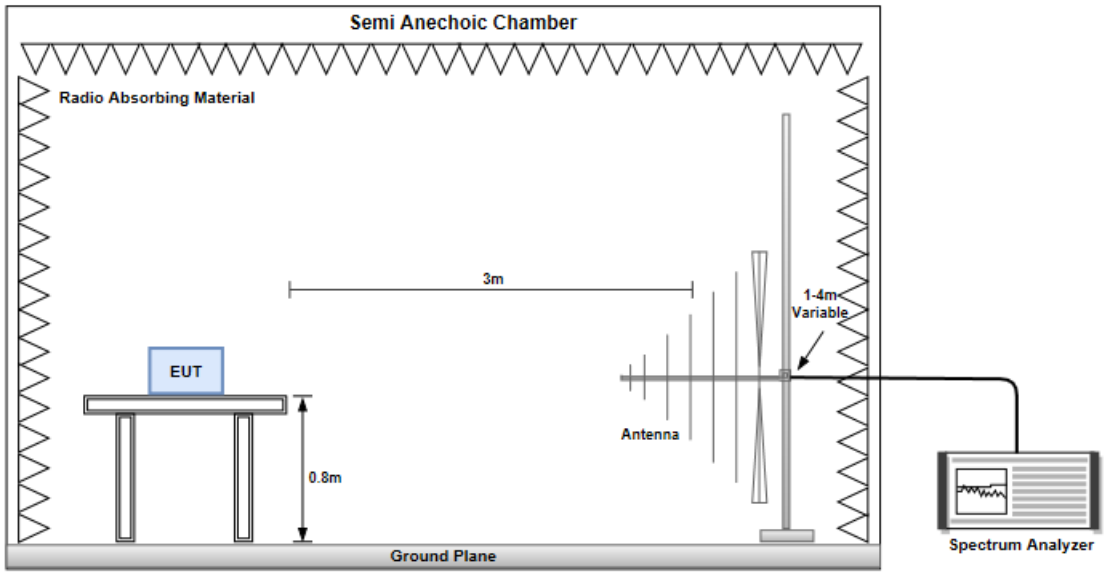
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

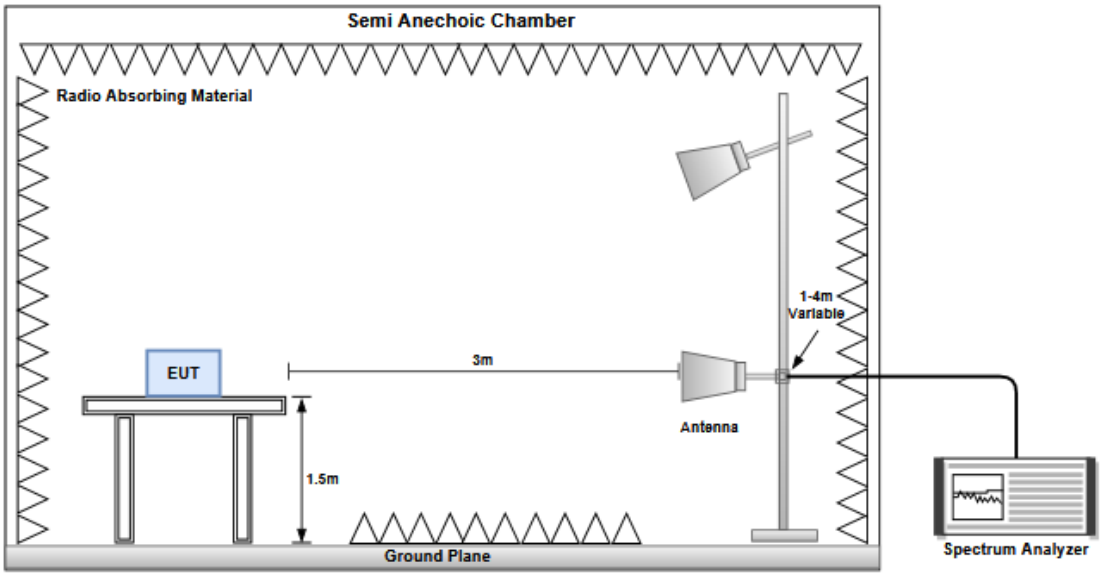
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Ambient Condition	25°C / 62%	Tested By	Sean Yu

Refer to Appendix D.

3.5 Emissions in non-restricted Frequency Bands

3.5.1 Emissions in non-restricted frequency bands limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

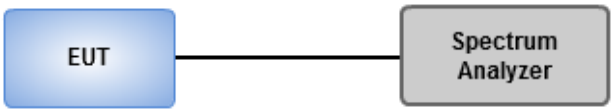
Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	23-24°C / 62-65%	**Tested By**	Roger Lu

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

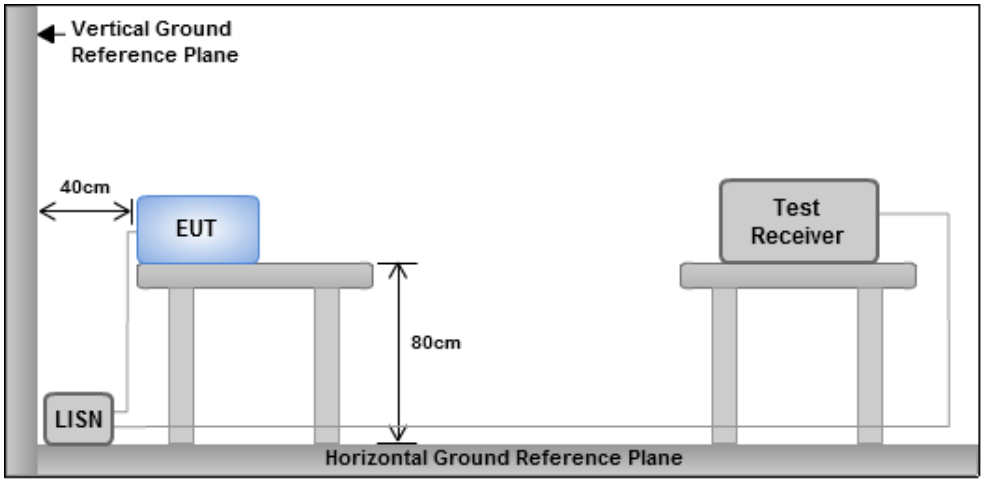
3.6.1 Limit of AC Power Line Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.6.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.6.3 Test Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Results

Refer to Appendix F.

4 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 Corporation (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 https://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 Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

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

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

==END==

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(125kbps)	707.5k	1.068M	1M07F1D	697.5k	1.066M
BT-LE(500kbps)	683.75k	1.033M	1M03F1D	663.75k	1.032M
BT-LE(1Mbps)	666.25k	1.042M	1M04F1D	661.25k	1.04M
BT-LE(2Mbps)	1.235M	2.042M	2M04F1D	1.233M	2.038M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

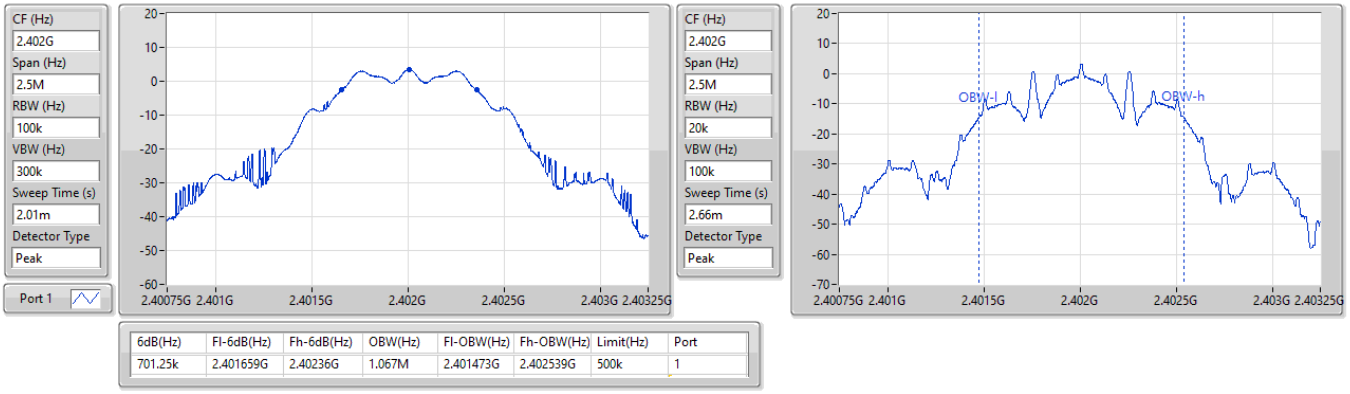
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	701.25k	1.067M
2440MHz	Pass	500k	697.5k	1.066M
2480MHz	Pass	500k	707.5k	1.068M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	683.75k	1.032M
2440MHz	Pass	500k	663.75k	1.033M
2480MHz	Pass	500k	663.75k	1.032M
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	661.25k	1.041M
2440MHz	Pass	500k	666.25k	1.042M
2480MHz	Pass	500k	666.25k	1.04M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.233M	2.038M
2440MHz	Pass	500k	1.235M	2.038M
2480MHz	Pass	500k	1.235M	2.042M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(125kbps) **EBW-DTS**

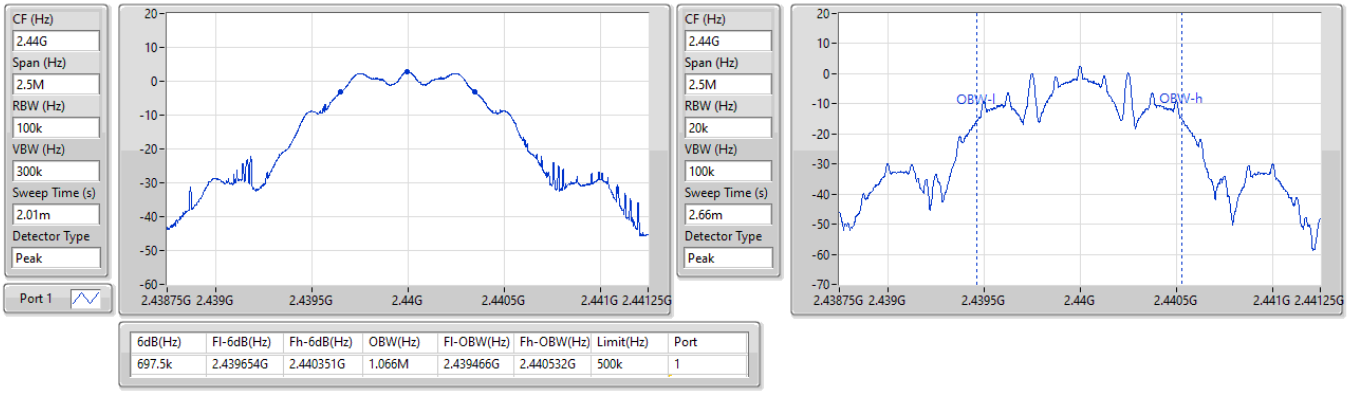
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
701.25k	2.401659G	2.40236G	1.067M	2.401473G	2.402539G	500k	1

2.4-2.4835GHz_BT-LE(125kbps) **EBW-DTS**

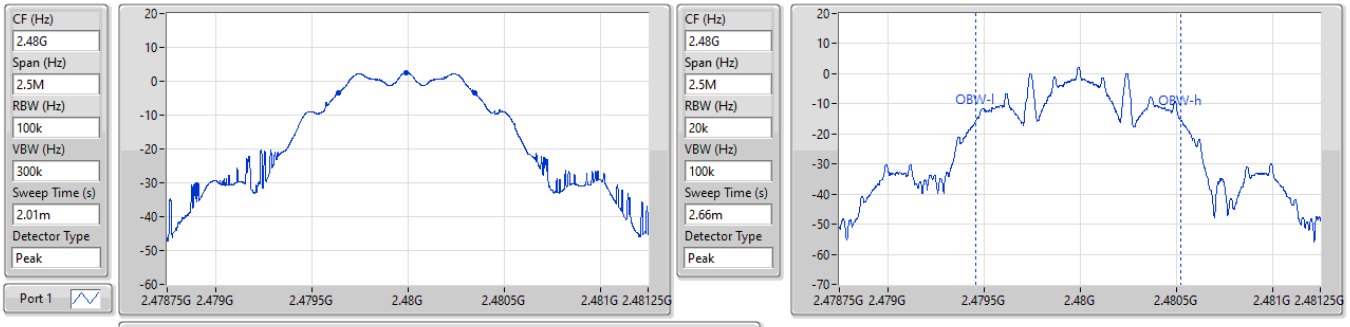
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
697.5k	2.439654G	2.440351G	1.066M	2.439466G	2.440532G	500k	1

2.4-2.4835GHz_BT-LE(125kbps) **EBW-DTS**

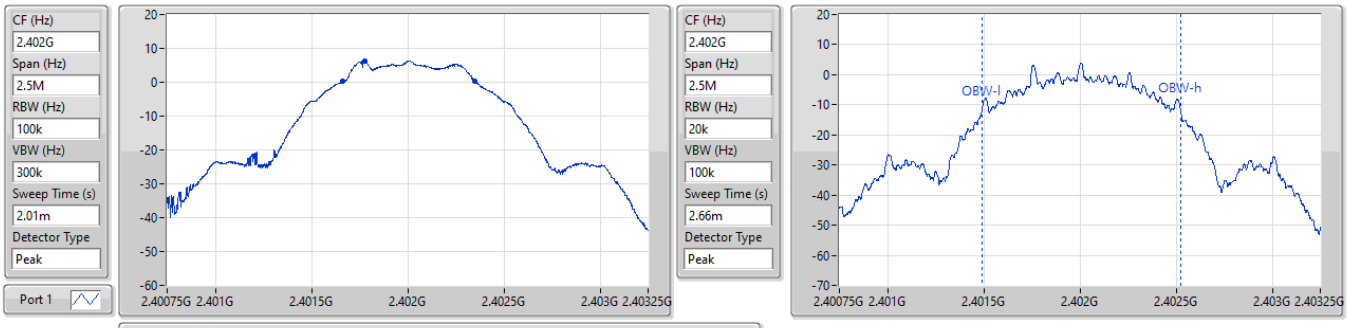
2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
707.5k	2.479639G	2.480346G	1.068M	2.479458G	2.480526G	500k	1

2.4-2.4835GHz_BT-LE(500kbps) **EBW-DTS**

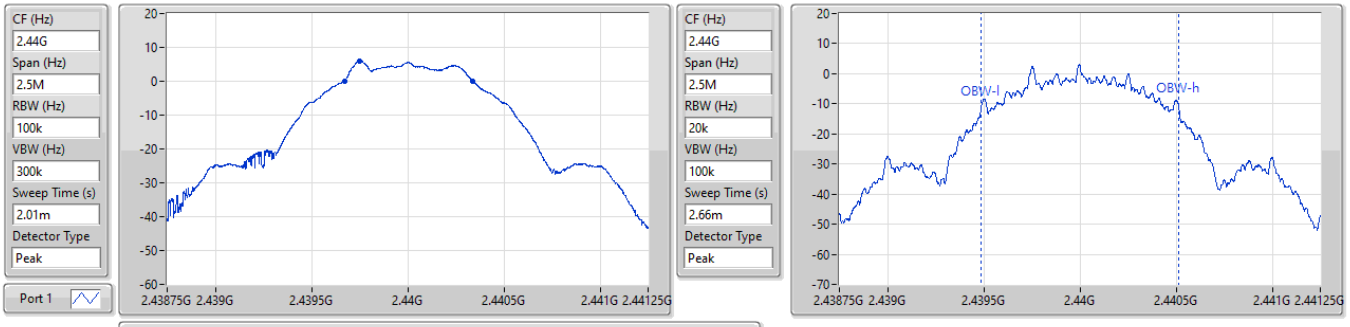
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
683.75k	2.401664G	2.402348G	1.032M	2.401491G	2.402523G	500k	1

2.4-2.4835GHz_BT-LE(500kbps) **EBW-DTS**

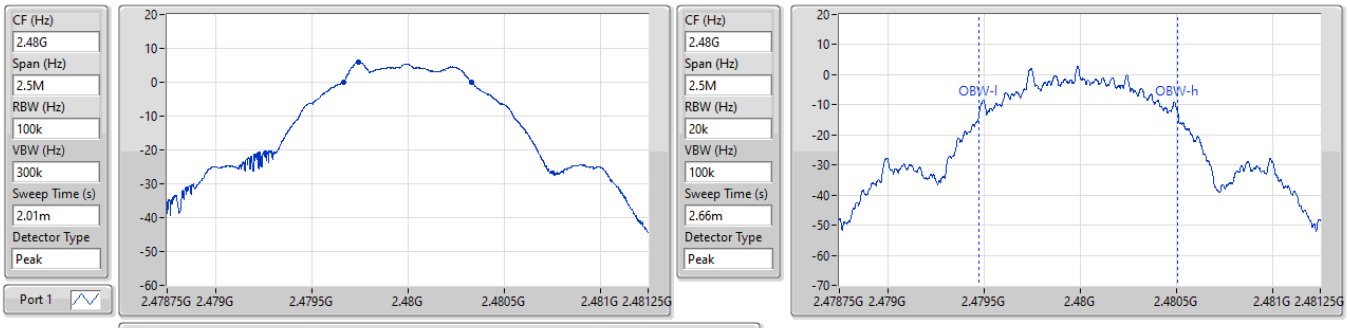
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
663.75k	2.439675G	2.440339G	1.033M	2.439484G	2.440516G	500k	1

2.4-2.4835GHz_BT-LE(500kbps) **EBW-DTS**

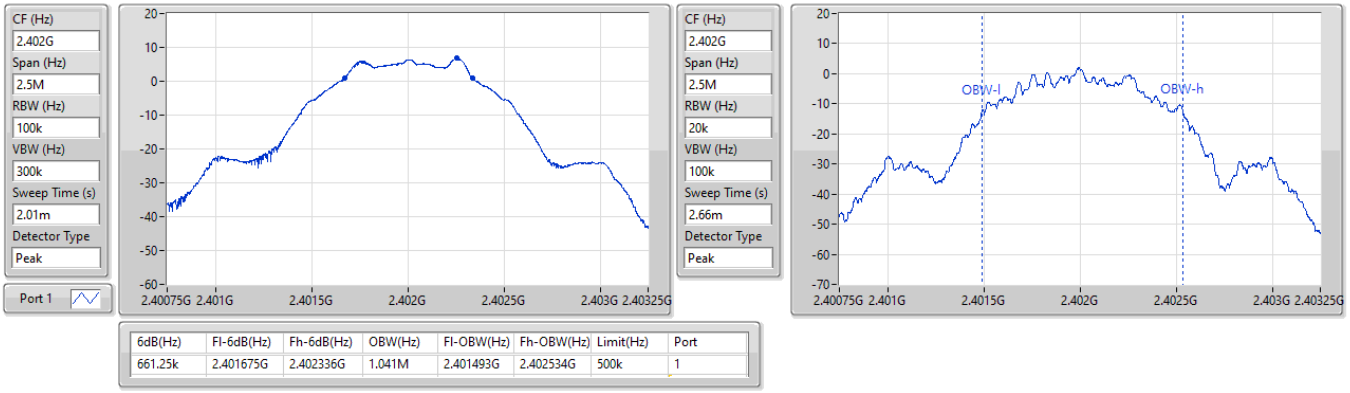
2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
663.75k	2.479668G	2.480331G	1.032M	2.479478G	2.48051G	500k	1

2.4-2.4835GHz_BT-LE(1Mbps) **EBW-DTS**

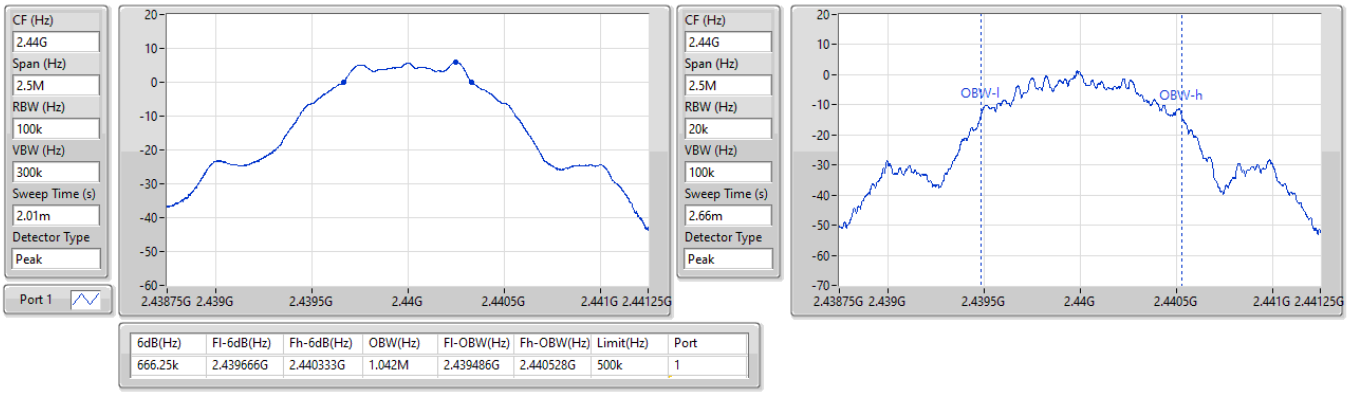
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
661.25k	2.401675G	2.402336G	1.041M	2.401493G	2.402534G	500k	1

2.4-2.4835GHz_BT-LE(1Mbps) **EBW-DTS**

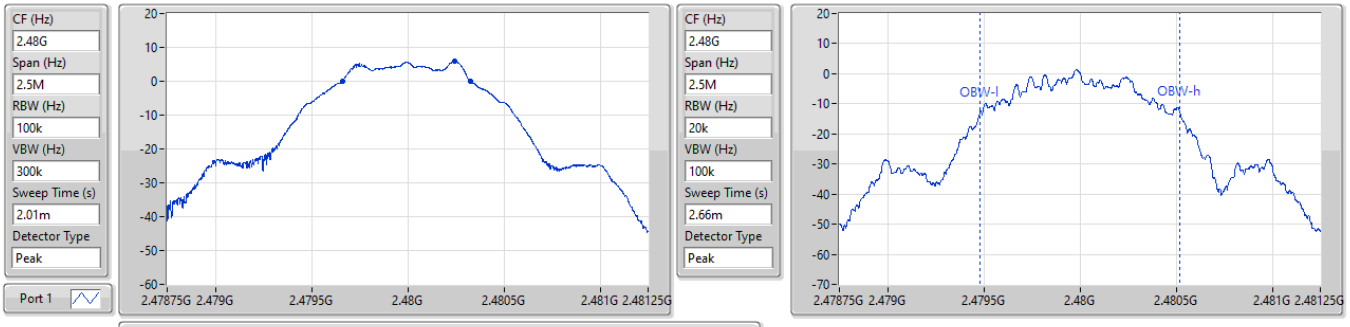
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
666.25k	2.439666G	2.440333G	1.042M	2.439486G	2.440528G	500k	1

2.4-2.4835GHz_BT-LE(1Mbps) **EBW-DTS**

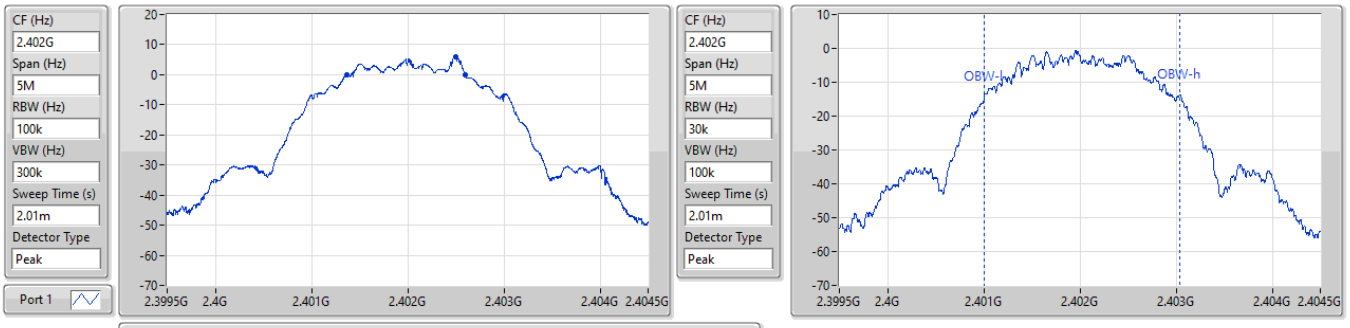
2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
666.25k	2.479661G	2.480328G	1.04M	2.47948G	2.48052G	500k	1

2.4-2.4835GHz_BT-LE(2Mbps) **EBW-DTS**

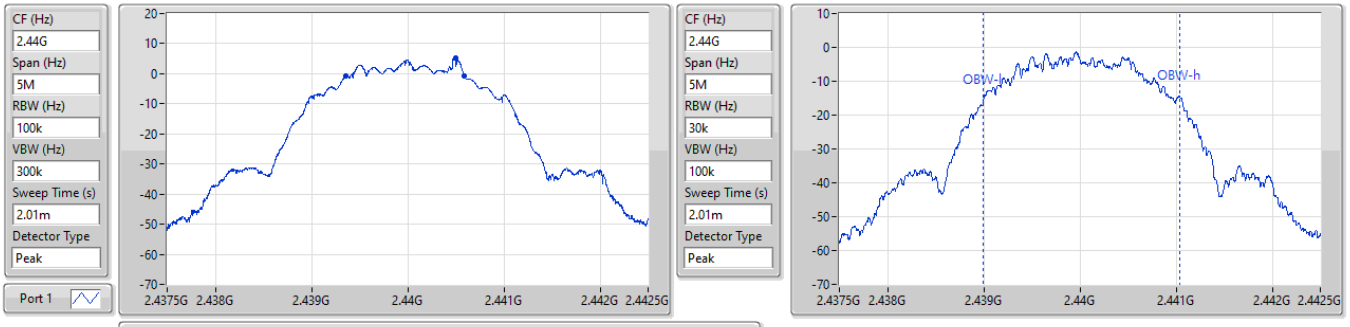
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.233M	2.401365G	2.402598G	2.038M	2.401004G	2.403042G	500k	1

2.4-2.4835GHz_BT-LE(2Mbps) **EBW-DTS**

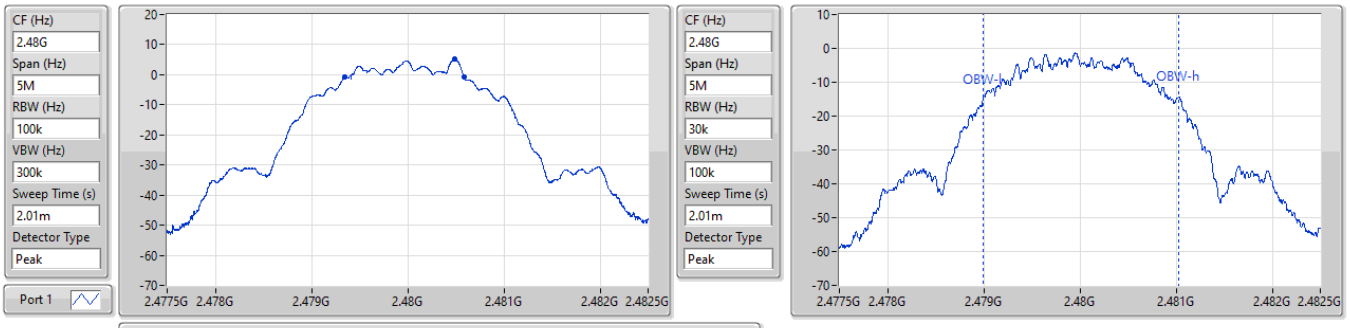
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.235M	2.439355G	2.44059G	2.038M	2.438999G	2.441037G	500k	1

2.4-2.4835GHz_BT-LE(2Mbps) **EBW-DTS**

2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.235M	2.479348G	2.480583G	2.042M	2.47899G	2.481032G	500k	1

Test Configuration 1: part no. 453-00391

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(125kbps)	6.93	0.00493
BT-LE(500kbps)	6.95	0.00495
BT-LE(1Mbps)	6.98	0.00499
BT-LE(2Mbps)	7.28	0.00535

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(125kbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	6.93	30.00	10.13	36.00
2440MHz	Pass	3.20	6.26	30.00	9.46	36.00
2480MHz	Pass	3.20	6.25	30.00	9.45	36.00
BT-LE(500kbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	6.95	30.00	10.15	36.00
2440MHz	Pass	3.20	6.25	30.00	9.45	36.00
2480MHz	Pass	3.20	6.21	30.00	9.41	36.00
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	6.98	30.00	10.18	36.00
2440MHz	Pass	3.20	6.27	30.00	9.47	36.00
2480MHz	Pass	3.20	6.25	30.00	9.45	36.00
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	7.28	30.00	10.48	36.00
2440MHz	Pass	3.20	6.68	30.00	9.88	36.00
2480MHz	Pass	3.20	6.67	30.00	9.87	36.00

Test Configuration 1: part no. 453-00391

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(125kbps)	6.67	0.00465
BT-LE(500kbps)	6.69	0.00467
BT-LE(1Mbps)	6.71	0.00469
BT-LE(2Mbps)	6.55	0.00452

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(125kbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	6.67	-	9.87	-
2440MHz	Pass	3.20	5.99	-	9.19	-
2480MHz	Pass	3.20	5.98	-	9.18	-
BT-LE(500kbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	6.69	-	9.89	-
2440MHz	Pass	3.20	6.01	-	9.21	-
2480MHz	Pass	3.20	5.97	-	9.17	-
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	6.71	-	9.91	-
2440MHz	Pass	3.20	6.02	-	9.22	-
2480MHz	Pass	3.20	6.01	-	9.21	-
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.20	6.55	-	9.75	-
2440MHz	Pass	3.20	6.01	-	9.21	-
2480MHz	Pass	3.20	6.01	-	9.21	-

Note: Average power is for reference only.

Test Configuration 2: part no. 453-00392

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(125kbps)	6.23	0.00420
BT-LE(500kbps)	6.19	0.00416
BT-LE(1Mbps)	6.24	0.00421
BT-LE(2Mbps)	6.65	0.00462

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(125kbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	5.93	30.00	8.25	36.00
2440MHz	Pass	2.32	5.79	30.00	8.11	36.00
2480MHz	Pass	2.32	6.23	30.00	8.55	36.00
BT-LE(500kbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	6.01	30.00	8.33	36.00
2440MHz	Pass	2.32	5.83	30.00	8.15	36.00
2480MHz	Pass	2.32	6.19	30.00	8.51	36.00
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	6.04	30.00	8.36	36.00
2440MHz	Pass	2.32	5.84	30.00	8.16	36.00
2480MHz	Pass	2.32	6.24	30.00	8.56	36.00
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	6.49	30.00	8.81	36.00
2440MHz	Pass	2.32	6.38	30.00	8.70	36.00
2480MHz	Pass	2.32	6.65	30.00	8.97	36.00

Test Configuration 2: part no. 453-00392

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(125kbps)	5.97	0.00395
BT-LE(500kbps)	5.96	0.00394
BT-LE(1Mbps)	5.98	0.00396
BT-LE(2Mbps)	5.99	0.00397

Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(125kbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	5.72	-	8.04	-
2440MHz	Pass	2.32	5.54	-	7.86	-
2480MHz	Pass	2.32	5.97	-	8.29	-
BT-LE(500kbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	5.72	-	8.04	-
2440MHz	Pass	2.32	5.58	-	7.90	-
2480MHz	Pass	2.32	5.96	-	8.28	-
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	5.75	-	8.07	-
2440MHz	Pass	2.32	5.59	-	7.91	-
2480MHz	Pass	2.32	5.98	-	8.30	-
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.32	5.87	-	8.19	-
2440MHz	Pass	2.32	5.72	-	8.04	-
2480MHz	Pass	2.32	5.99	-	8.31	-

Note: Average power is for reference only

Summary

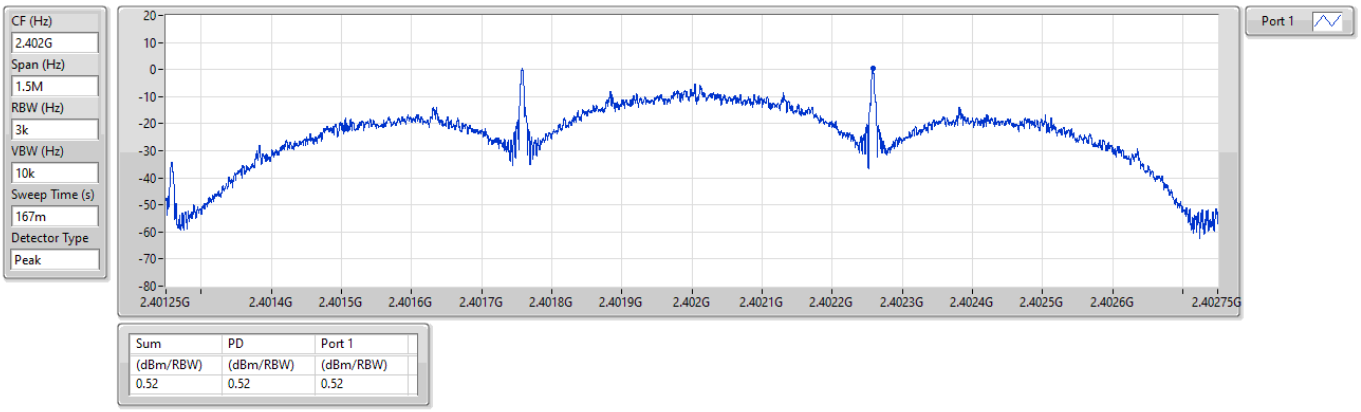
Mode	PD (dBm/3kHz)
2.4-2.4835GHz	-
BT-LE(125kbps)	0.52
BT-LE(500kbps)	0.34
BT-LE(1Mbps)	-9.24
BT-LE(2Mbps)	-13.16

Result

Mode	Result	Antenna Gain (dBi)	Power Density (dBm/3kHz)	Power Density Limit (dBm/3kHz)
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	3.20	0.52	8.00
2440MHz	Pass	3.20	-0.21	8.00
2480MHz	Pass	3.20	-0.31	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	3.20	0.34	8.00
2440MHz	Pass	3.20	-0.38	8.00
2480MHz	Pass	3.20	-0.41	8.00
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.20	-9.24	8.00
2440MHz	Pass	3.20	-10.02	8.00
2480MHz	Pass	3.20	-9.87	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.20	-13.16	8.00
2440MHz	Pass	3.20	-13.97	8.00
2480MHz	Pass	3.20	-13.87	8.00

2.4-2.4835GHz_BT-LE(125kbps) **PSD**

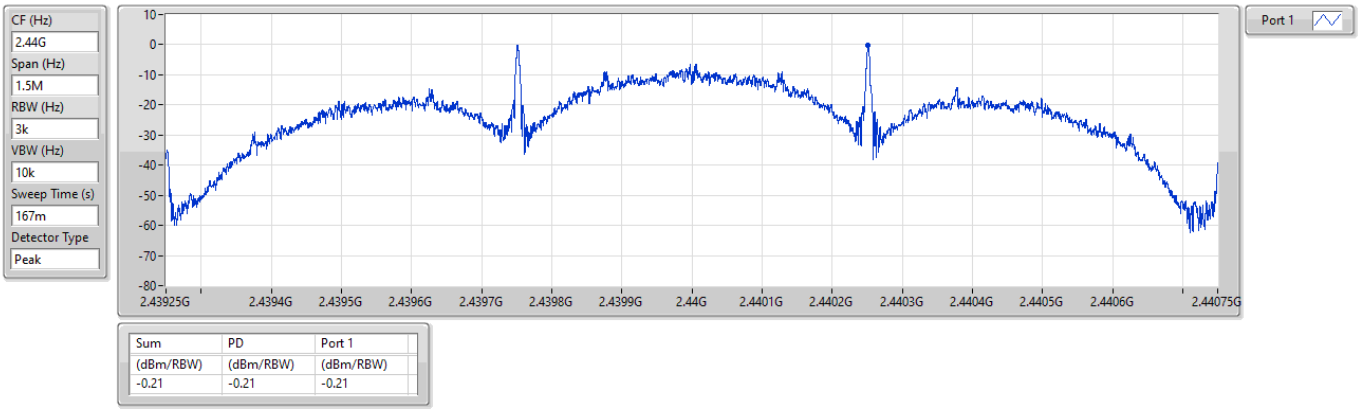
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.52	0.52	0.52

2.4-2.4835GHz_BT-LE(125kbps) **PSD**

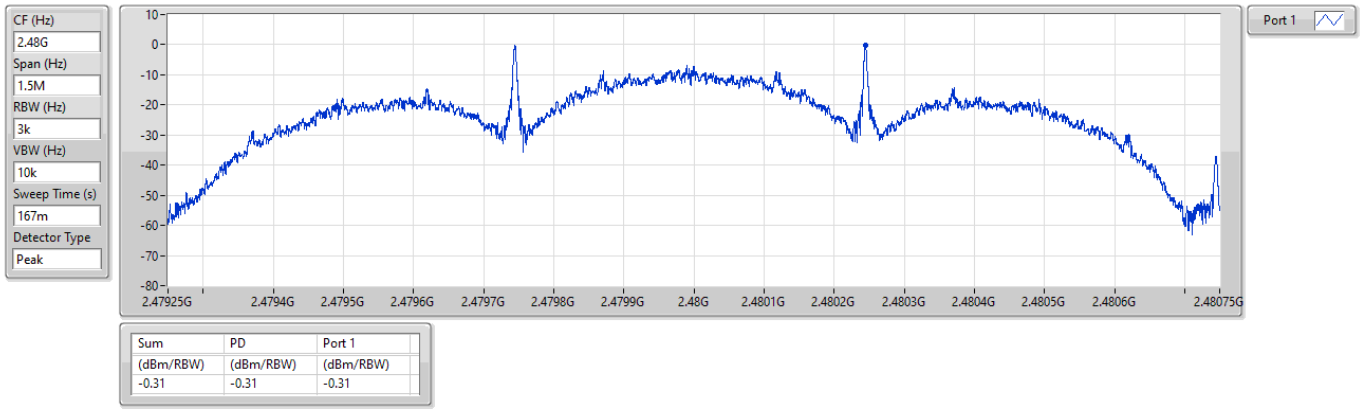
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.21	-0.21	-0.21

2.4-2.4835GHz_BT-LE(125kbps) **PSD**

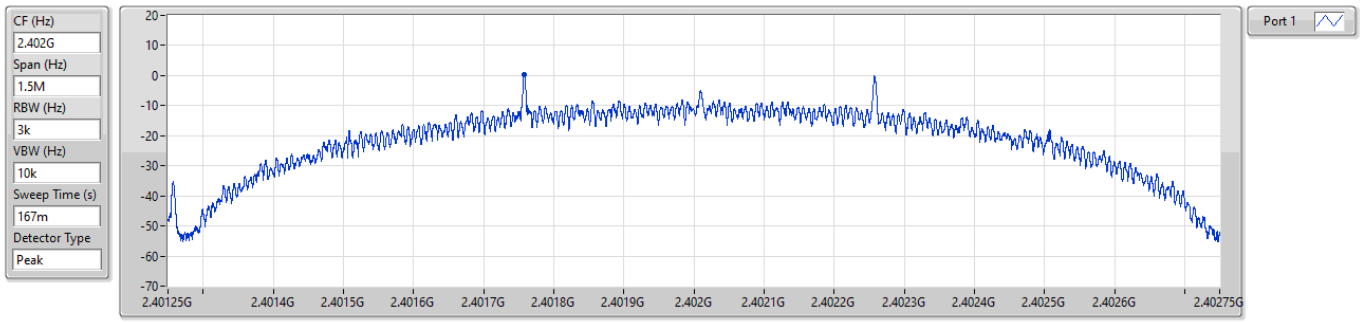
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.31	-0.31	-0.31

2.4-2.4835GHz_BT-LE(500kbps) **PSD**

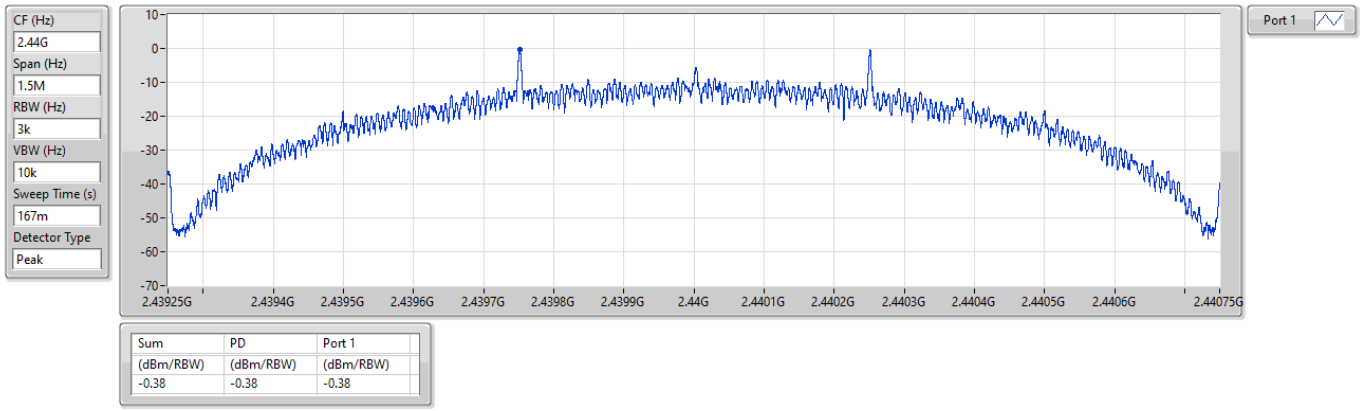
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.34	0.34	0.34

2.4-2.4835GHz_BT-LE(500kbps) **PSD**

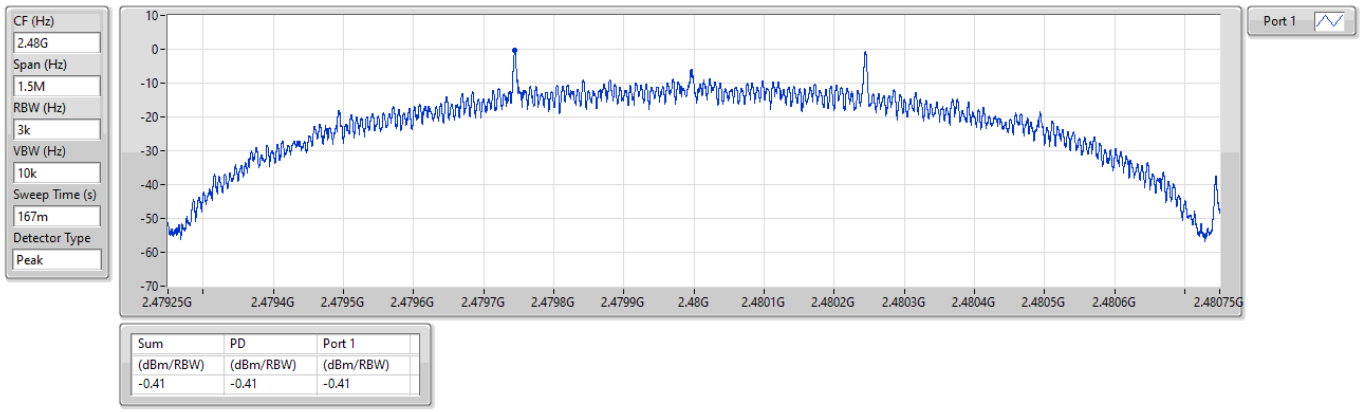
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.38	-0.38	-0.38

2.4-2.4835GHz_BT-LE(500kbps) **PSD**

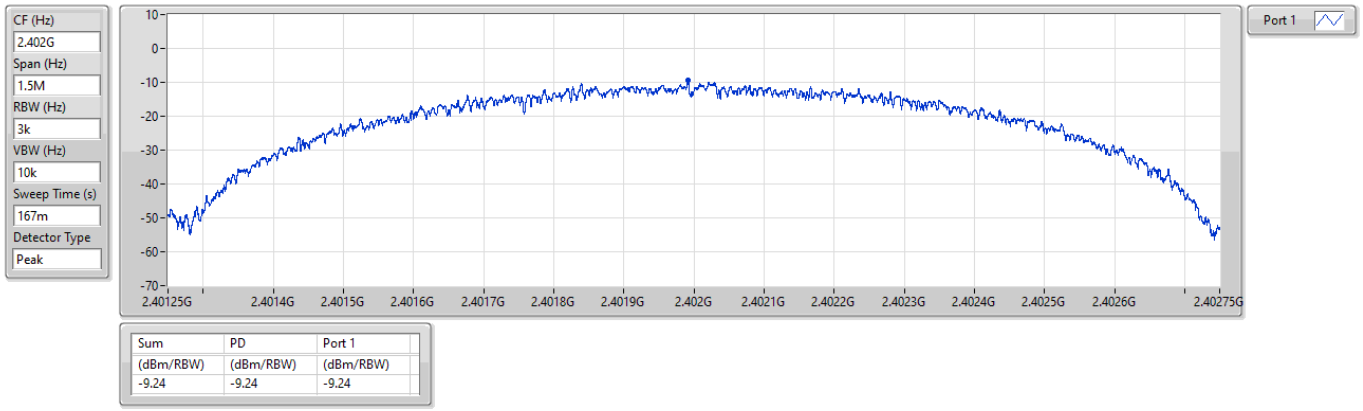
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.41	-0.41	-0.41

2.4-2.4835GHz_BT-LE(1Mbps) **PSD**

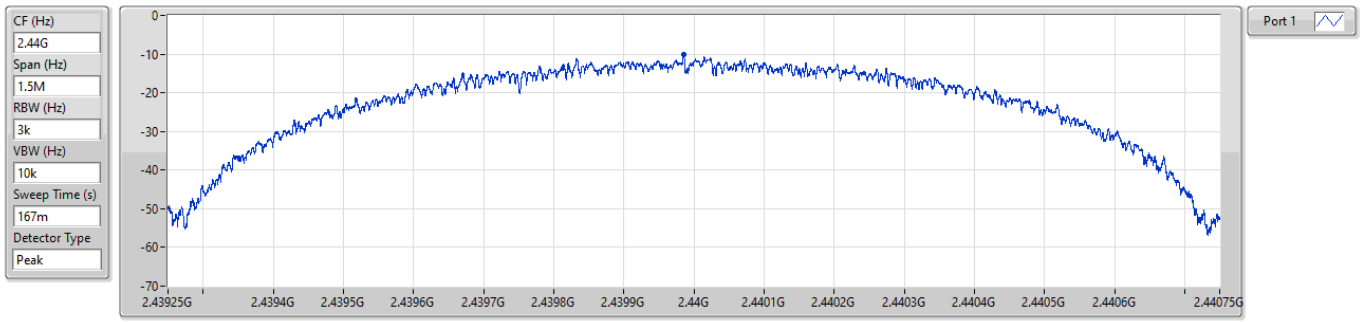
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.24	-9.24	-9.24

2.4-2.4835GHz_BT-LE(1Mbps) **PSD**

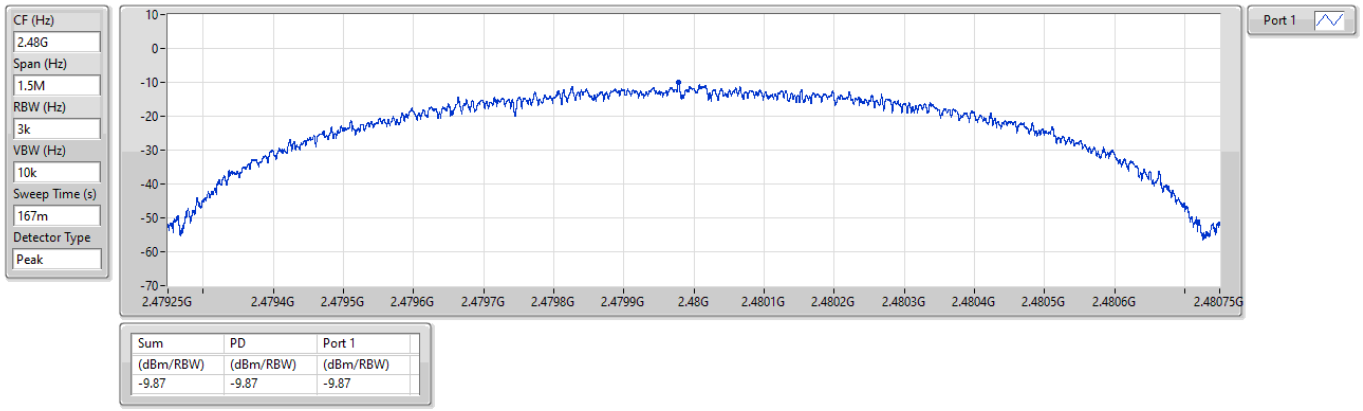
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.02	-10.02	-10.02

2.4-2.4835GHz_BT-LE(1Mbps) **PSD**

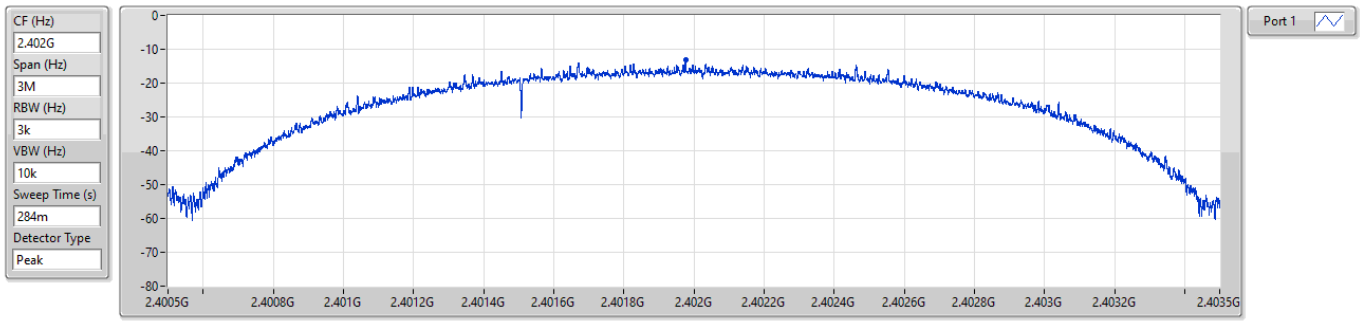
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.87	-9.87	-9.87

2.4-2.4835GHz_BT-LE(2Mbps) **PSD**

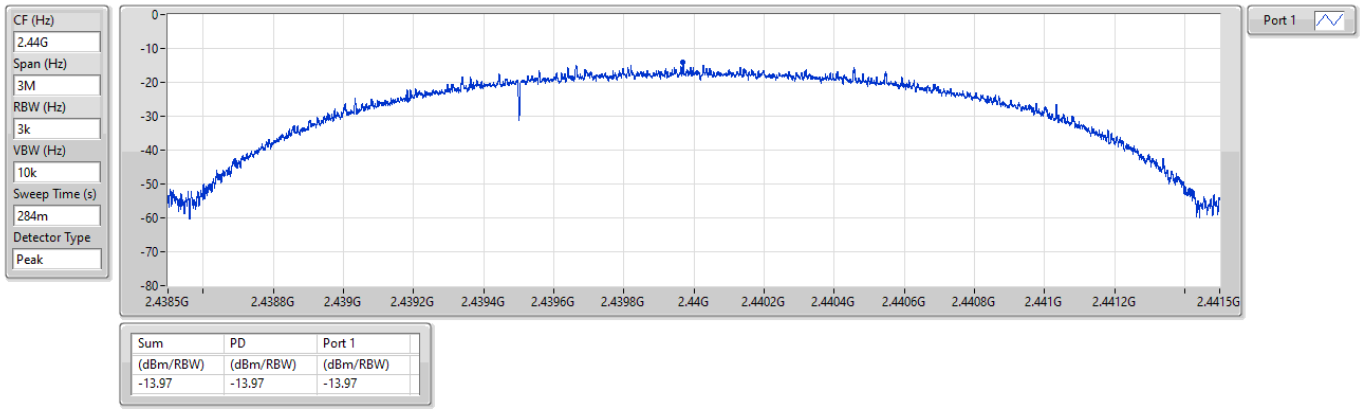
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.16	-13.16	-13.16

2.4-2.4835GHz_BT-LE(2Mbps) **PSD**

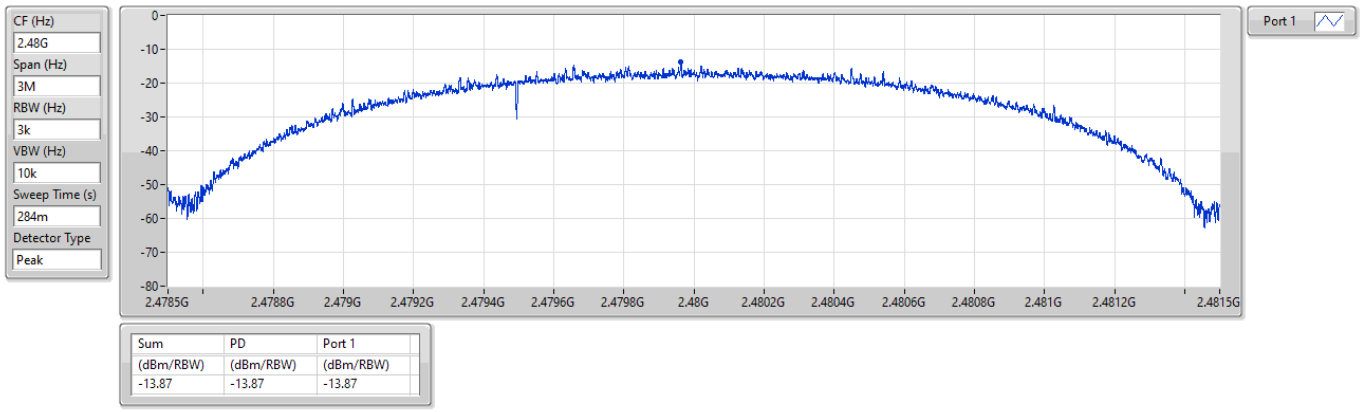
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.97	-13.97	-13.97

2.4-2.4835GHz_BT-LE(2Mbps) **PSD**

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.87	-13.87	-13.87

Test Configuration 1: part no. 453-00391

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-		-	-	-
BT-LE(2Mbps)	Pass	30M	1G	PK	73.89M	3.20	-76.34	4.7	-68.44	-55.20	-13.24

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

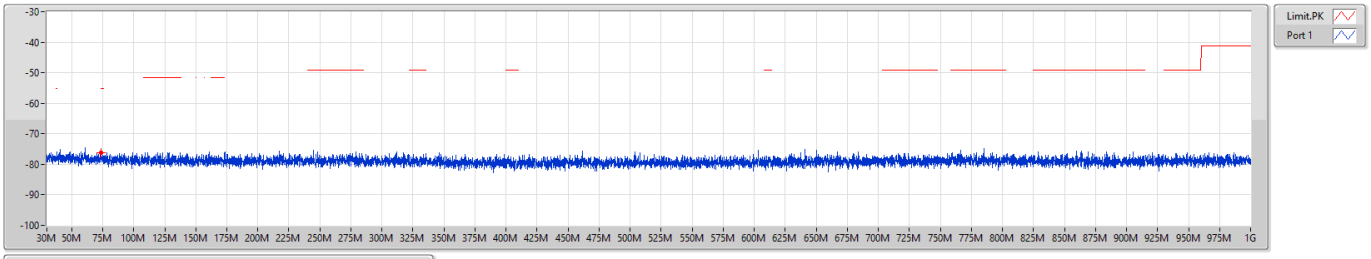
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(2Mbps)	-	-	-	-	-	-	-		-	-	-
2402MHz	Pass	30M	1G	PK	73.89M	3.20	-76.34	4.7	-68.44	-55.20	-13.24

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Other-DTS [PK]**

2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
30M	1G	100k	PK	73.89M	-76.34	-76.34

Test Configuration 1: part no. 453-00391

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.4835G	2.5G	AV	2.48353G	3.20	-62.12	-58.92	-41.20	-17.72
BT-LE(2Mbps)	Pass	2.4835G	2.5G	AV	2.48351G	3.20	-55.56	-52.36	-41.20	-11.16

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

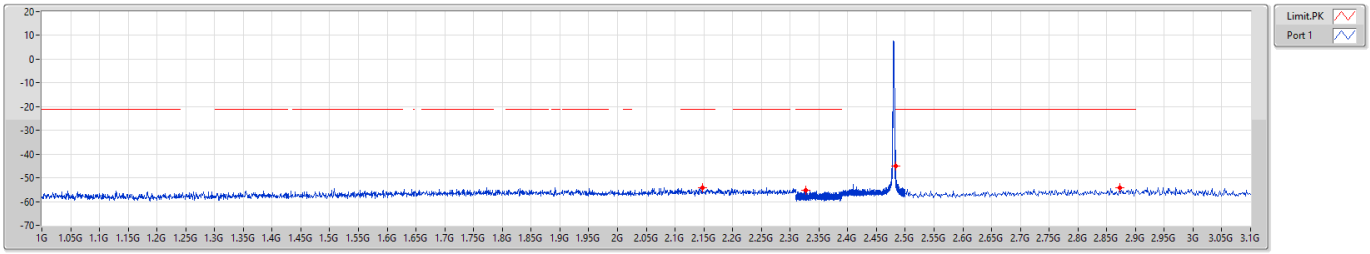
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	1G	2.31G	AV	2.28249G	3.20	-69.13	-65.93	-41.20	-24.73
2402MHz	Pass	2.31G	2.39G	AV	2.37124G	3.20	-66.08	-62.88	-41.20	-21.68
2402MHz	Pass	2.4835G	2.5G	AV	2.48353G	3.20	-62.12	-58.92	-41.20	-17.72
2402MHz	Pass	2.5G	3.1G	AV	2.8933G	3.20	-69.53	-66.33	-41.20	-25.13
2402MHz	Pass	1G	2.31G	PK	2.14756G	3.20	-54.08	-50.88	-21.20	-29.68
2402MHz	Pass	2.31G	2.39G	PK	2.32756G	3.20	-55.26	-52.06	-21.20	-30.86
2402MHz	Pass	2.4835G	2.5G	PK	2.48361G	3.20	-45.10	-41.90	-21.20	-20.70
2402MHz	Pass	2.5G	3.1G	PK	2.8732G	3.20	-54.12	-50.92	-21.20	-29.72
2440MHz	Pass	1G	2.31G	AV	2.24548G	3.20	-69.51	-66.31	-41.20	-25.11
2440MHz	Pass	2.31G	2.39G	AV	2.37156G	3.20	-65.86	-62.66	-41.20	-21.46
2440MHz	Pass	2.4835G	2.5G	AV	2.48503G	3.20	-65.11	-61.91	-41.20	-20.71
2440MHz	Pass	2.5G	3.1G	AV	2.8468G	3.20	-68.97	-65.77	-41.20	-24.57
2440MHz	Pass	1G	2.31G	PK	1.8312G	3.20	-53.99	-50.79	-21.20	-29.59
2440MHz	Pass	2.31G	2.39G	PK	2.33332G	3.20	-54.79	-51.59	-21.20	-30.39
2440MHz	Pass	2.4835G	2.5G	PK	2.484G	3.20	-53.76	-50.56	-21.20	-29.36
2440MHz	Pass	2.5G	3.1G	PK	2.8864G	3.20	-53.83	-50.63	-21.20	-29.43
2480MHz	Pass	1G	2.31G	AV	2.13708G	3.20	-69.63	-66.43	-41.20	-25.23
2480MHz	Pass	2.31G	2.39G	AV	2.34068G	3.20	-66.18	-62.98	-41.20	-21.78
2480MHz	Pass	2.4835G	2.5G	AV	2.48412G	3.20	-62.45	-59.25	-41.20	-18.05
2480MHz	Pass	2.5G	3.1G	AV	2.7319G	3.20	-69.48	-66.28	-41.20	-25.08
2480MHz	Pass	1G	2.31G	PK	1.82858G	3.20	-54.14	-50.94	-21.20	-29.74
2480MHz	Pass	2.31G	2.39G	PK	2.33952G	3.20	-54.45	-51.25	-21.20	-30.05
2480MHz	Pass	2.4835G	2.5G	PK	2.4835G	3.20	-46.77	-43.57	-21.20	-22.37
2480MHz	Pass	2.5G	3.1G	PK	2.6728G	3.20	-54.54	-51.34	-21.20	-30.14
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	1G	2.31G	AV	2.28265G	3.20	-69.42	-66.22	-41.20	-25.02
2402MHz	Pass	2.31G	2.39G	AV	2.38868G	3.20	-65.61	-62.41	-41.20	-21.21
2402MHz	Pass	2.4835G	2.5G	AV	2.48367G	3.20	-65.23	-62.03	-41.20	-20.83
2402MHz	Pass	2.5G	3.1G	AV	2.8024G	3.20	-66.69	-63.49	-41.20	-22.29
2402MHz	Pass	1G	2.31G	PK	2.29035G	3.20	-53.90	-50.70	-21.20	-29.50
2402MHz	Pass	2.31G	2.39G	PK	2.38612G	3.20	-55.18	-51.98	-21.20	-30.78
2402MHz	Pass	2.4835G	2.5G	PK	2.48654G	3.20	-54.94	-51.74	-21.20	-30.54

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2402MHz	Pass	2.5G	3.1G	PK	2.788G	3.20	-53.92	-50.72	-21.20	-29.52
2440MHz	Pass	1G	2.31G	AV	2.12333G	3.20	-69.39	-66.19	-41.20	-24.99
2440MHz	Pass	2.31G	2.39G	AV	2.3792G	3.20	-66.09	-62.89	-41.20	-21.69
2440MHz	Pass	2.4835G	2.5G	AV	2.48386G	3.20	-65.23	-62.03	-41.20	-20.83
2440MHz	Pass	2.5G	3.1G	AV	2.84665G	3.20	-69.05	-65.85	-41.20	-24.65
2440MHz	Pass	1G	2.31G	PK	2.25367G	3.20	-53.53	-50.33	-21.20	-29.13
2440MHz	Pass	2.31G	2.39G	PK	2.38796G	3.20	-55.43	-52.23	-21.20	-31.03
2440MHz	Pass	2.4835G	2.5G	PK	2.49591G	3.20	-54.86	-51.66	-21.20	-30.46
2440MHz	Pass	2.5G	3.1G	PK	2.8624G	3.20	-53.76	-50.56	-21.20	-29.36
2480MHz	Pass	1G	2.31G	AV	2.25285G	3.20	-69.46	-66.26	-41.20	-25.06
2480MHz	Pass	2.31G	2.39G	AV	2.38332G	3.20	-65.83	-62.63	-41.20	-21.43
2480MHz	Pass	2.4835G	2.5G	AV	2.48351G	3.20	-55.56	-52.36	-41.20	-11.16
2480MHz	Pass	2.5G	3.1G	AV	2.899G	3.20	-69.54	-66.34	-41.20	-25.14
2480MHz	Pass	1G	2.31G	PK	1.7598G	3.20	-53.60	-50.40	-21.20	-29.20
2480MHz	Pass	2.31G	2.39G	PK	2.327G	3.20	-55.28	-52.08	-21.20	-30.88
2480MHz	Pass	2.4835G	2.5G	PK	2.4835G	3.20	-46.58	-43.38	-21.20	-22.18
2480MHz	Pass	2.5G	3.1G	PK	2.7088G	3.20	-53.93	-50.73	-21.20	-29.53

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(1Mbps) **CSE Bandedge-DTS [PK]**

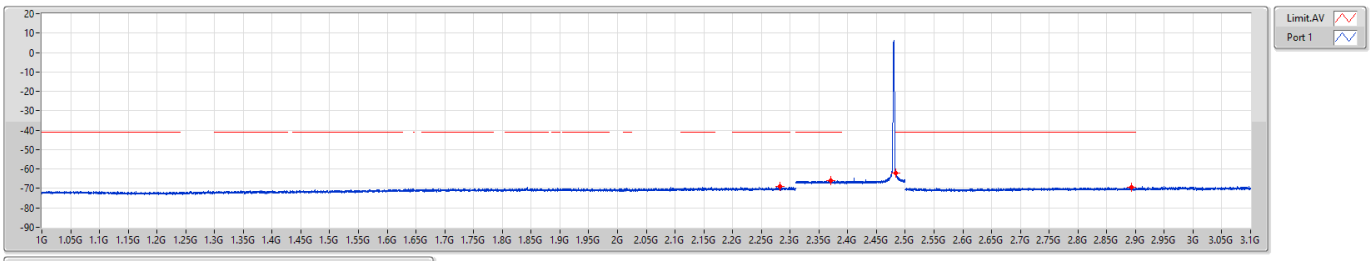
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	PK	2.14756G	-54.08	-54.08
2.31G	2.39G	1M	PK	2.32756G	-55.26	-55.26
2.4835G	2.5G	1M	PK	2.48361G	-45.10	-45.10
2.5G	3.1G	1M	PK	2.8732G	-54.12	-54.12

2.4-2.4835GHz_BT-LE(1Mbps) **CSE Bandedge-DTS [AV]**

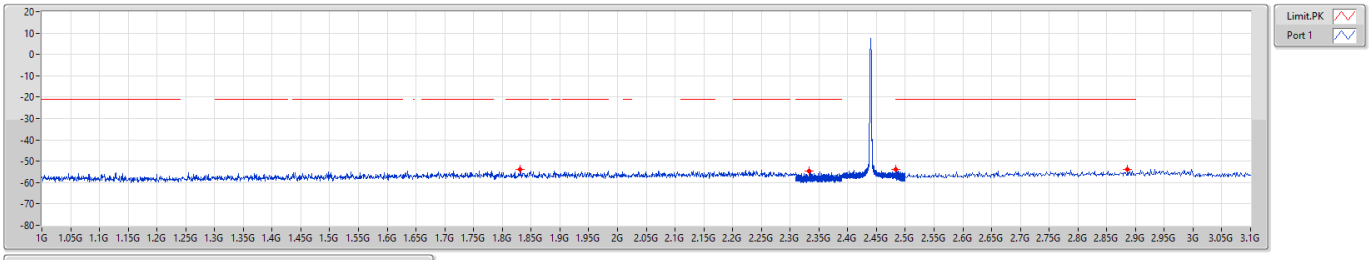
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	AV	2.28249G	-69.13	-69.13
2.31G	2.39G	1M	AV	2.37124G	-66.08	-66.08
2.4835G	2.5G	1M	AV	2.48353G	-62.12	-62.12
2.5G	3.1G	1M	AV	2.8933G	-69.53	-69.53

2.4-2.4835GHz_BT-LE(1Mbps) **CSE Bandedge-DTS [PK]**

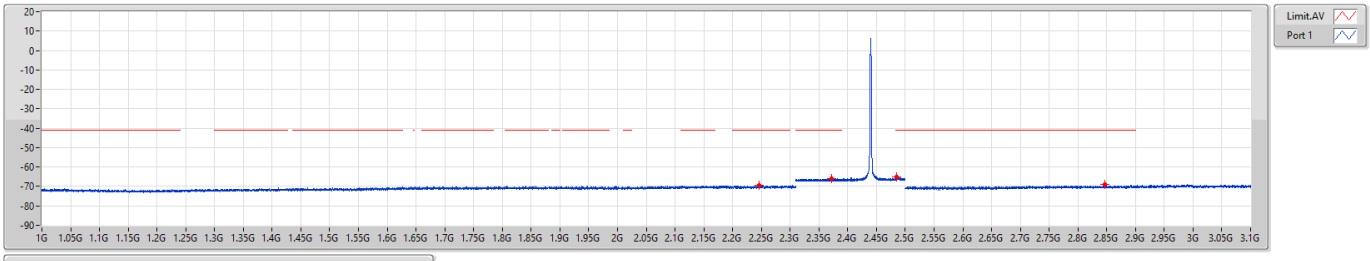
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	PK	1.8312G	-53.99	-53.99
2.31G	2.39G	1M	PK	2.33332G	-54.79	-54.79
2.4835G	2.5G	1M	PK	2.484G	-53.76	-53.76
2.5G	3.1G	1M	PK	2.8864G	-53.83	-53.83

2.4-2.4835GHz_BT-LE(1Mbps) **CSE Bandedge-DTS [AV]**

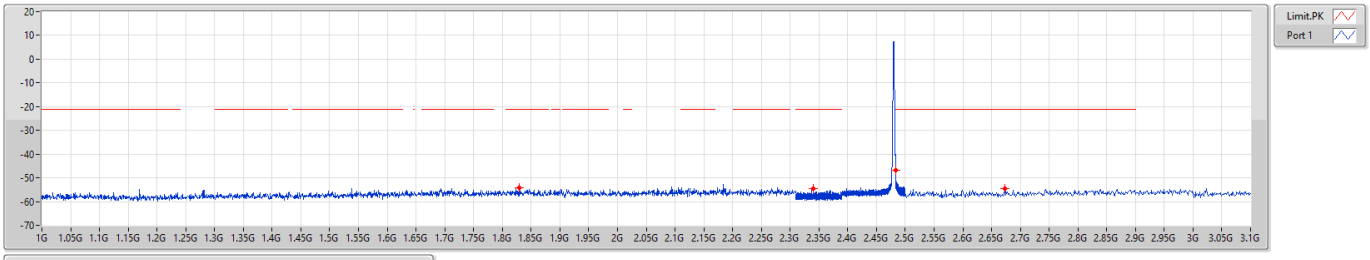
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	AV	2.24548G	-69.51	-69.51
2.31G	2.39G	1M	AV	2.37156G	-65.86	-65.86
2.4835G	2.5G	1M	AV	2.48503G	-65.11	-65.11
2.5G	3.1G	1M	AV	2.8468G	-68.97	-68.97

2.4-2.4835GHz_BT-LE(1Mbps) **CSE Bandedge-DTS [PK]**

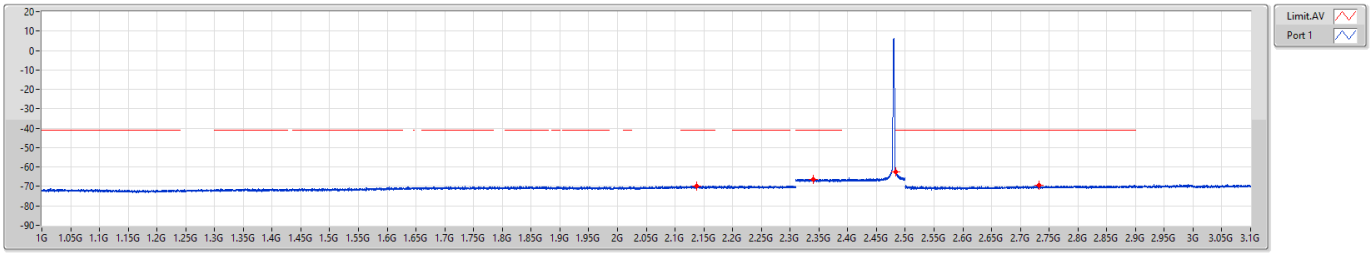
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	PK	1.82858G	-54.14	-54.14
2.31G	2.39G	1M	PK	2.33952G	-54.45	-54.45
2.4835G	2.5G	1M	PK	2.4835G	-46.77	-46.77
2.5G	3.1G	1M	PK	2.6728G	-54.54	-54.54

2.4-2.4835GHz_BT-LE(1Mbps) **CSE Bandedge-DTS [AV]**

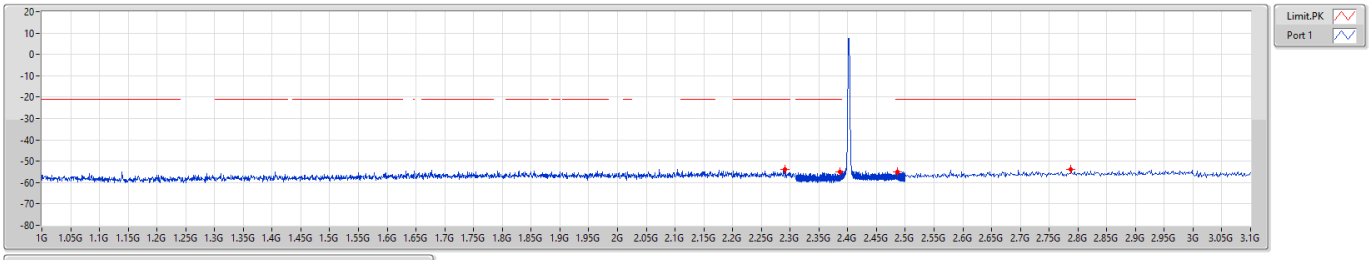
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	AV	2.13708G	-69.63	-69.63
2.31G	2.39G	1M	AV	2.34068G	-66.18	-66.18
2.4835G	2.5G	1M	AV	2.48412G	-62.45	-62.45
2.5G	3.1G	1M	AV	2.7319G	-69.48	-69.48

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [PK]**

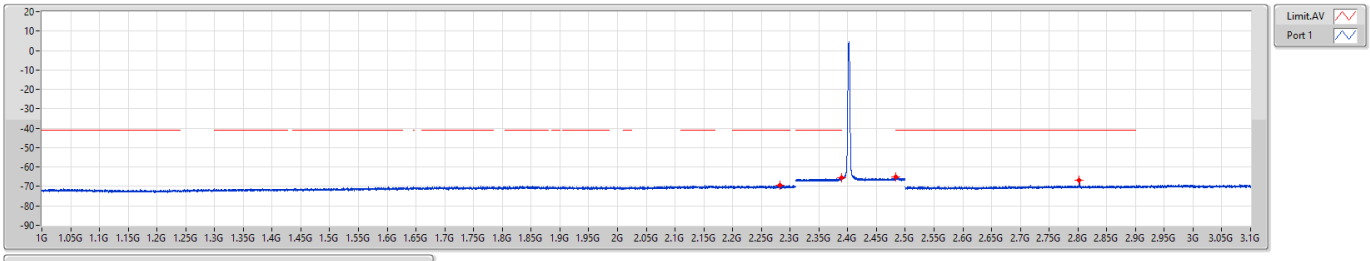
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	PK	2.29035G	-53.90	-53.90
2.31G	2.39G	1M	PK	2.38612G	-55.18	-55.18
2.4835G	2.5G	1M	PK	2.48654G	-54.94	-54.94
2.5G	3.1G	1M	PK	2.788G	-53.92	-53.92

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [AV]**

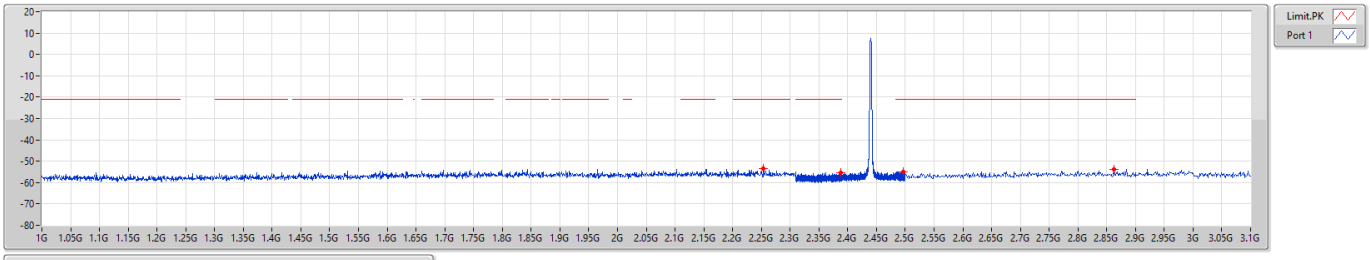
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	AV	2.28265G	-69.42	-69.42
2.31G	2.39G	1M	AV	2.38868G	-65.61	-65.61
2.4835G	2.5G	1M	AV	2.48367G	-65.23	-65.23
2.5G	3.1G	1M	AV	2.8024G	-66.69	-66.69

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [PK]**

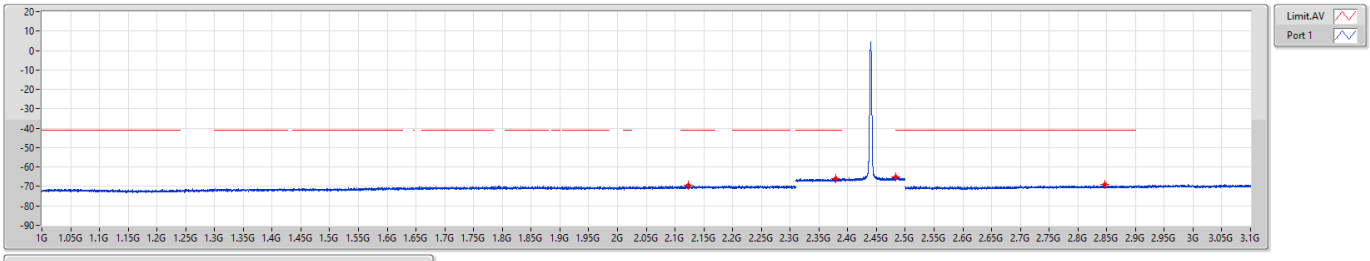
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	PK	2.25367G	-53.53	-53.53
2.31G	2.39G	1M	PK	2.38796G	-55.43	-55.43
2.4835G	2.5G	1M	PK	2.49591G	-54.86	-54.86
2.5G	3.1G	1M	PK	2.8624G	-53.76	-53.76

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [AV]**

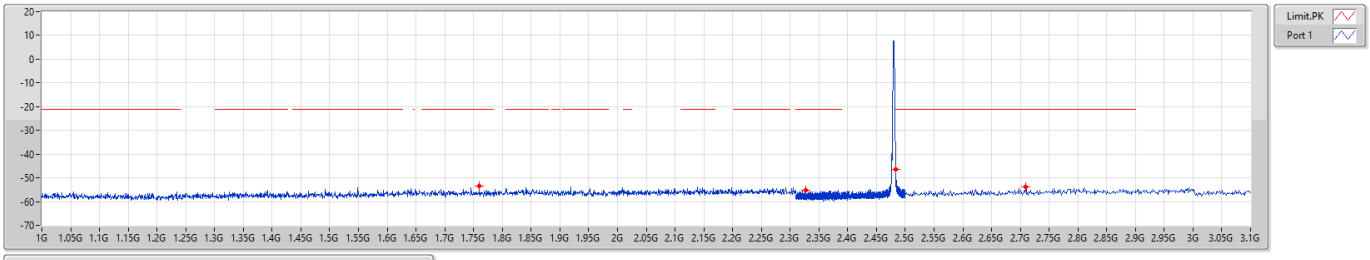
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	AV	2.12333G	-69.39	-69.39
2.31G	2.39G	1M	AV	2.3792G	-66.09	-66.09
2.4835G	2.5G	1M	AV	2.48386G	-65.23	-65.23
2.5G	3.1G	1M	AV	2.84665G	-69.05	-69.05

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [PK]**

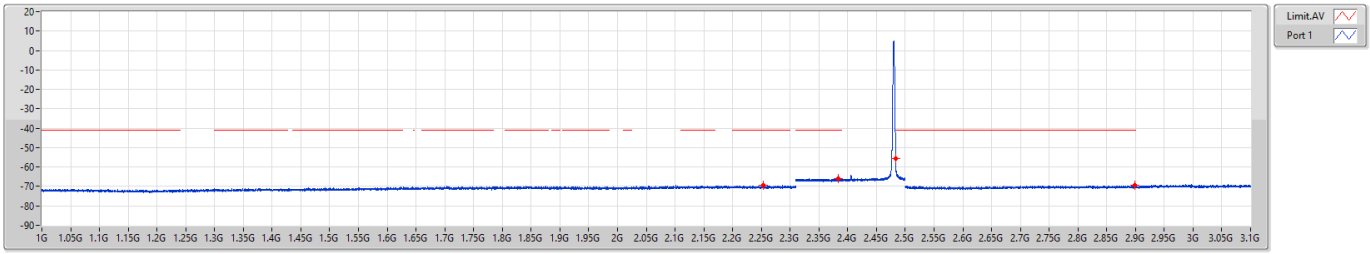
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	PK	1.7598G	-53.60	-53.60
2.31G	2.39G	1M	PK	2.327G	-55.28	-55.28
2.4835G	2.5G	1M	PK	2.4835G	-46.58	-46.58
2.5G	3.1G	1M	PK	2.7088G	-53.93	-53.93

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [AV]**

2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	AV	2.25285G	-69.46	-69.46
2.31G	2.39G	1M	AV	2.38332G	-65.83	-65.83
2.4835G	2.5G	1M	AV	2.48351G	-55.56	-55.56
2.5G	3.1G	1M	AV	2.899G	-69.54	-69.54

Test Configuration 1: part no. 453-00391

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	7G	8G	AV	7.44075G	3.20	-66.90	-63.70	-41.20	-22.50
BT-LE(2Mbps)	Pass	7G	8G	AV	7.44125G	3.20	-67.88	-64.68	-41.20	-23.48

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

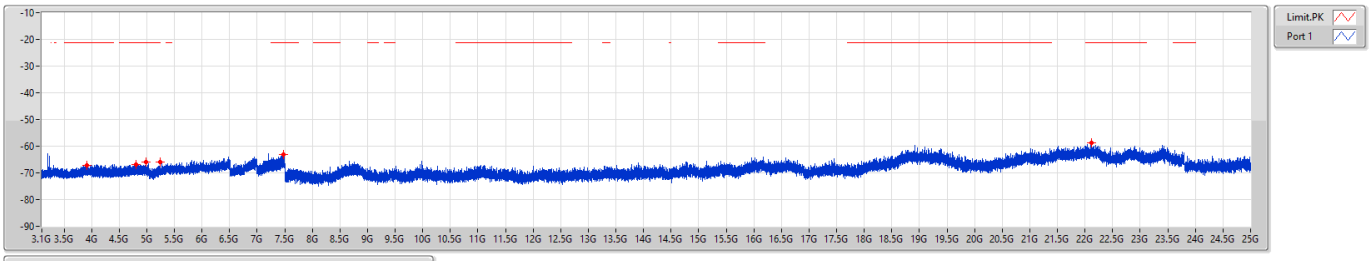
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	3.1G	4G	AV	3.937G	3.20	-77.88	-74.68	-41.20	-33.48
2402MHz	Pass	4G	5G	AV	4.803G	3.20	-77.54	-74.34	-41.20	-33.14
2402MHz	Pass	4G	5G	AV	4.897G	3.20	-77.37	-74.17	-41.20	-32.97
2402MHz	Pass	5G	7G	AV	5.3895G	3.20	-76.31	-73.11	-41.20	-31.91
2402MHz	Pass	7G	8G	AV	7.4965G	3.20	-73.38	-70.18	-41.20	-28.98
2402MHz	Pass	8G	25G	AV	22.13125G	3.20	-69.20	-66.00	-41.20	-24.80
2402MHz	Pass	3.1G	4G	PK	3.9172G	3.20	-67.15	-63.95	-21.20	-42.75
2402MHz	Pass	4G	5G	PK	4.804G	3.20	-66.96	-63.76	-21.20	-42.56
2402MHz	Pass	4G	5G	PK	4.98925G	3.20	-65.85	-62.65	-21.20	-41.45
2402MHz	Pass	5G	7G	PK	5.2495G	3.20	-66.03	-62.83	-21.20	-41.63
2402MHz	Pass	7G	8G	PK	7.4805G	3.20	-63.20	-60.00	-21.20	-38.80
2402MHz	Pass	8G	25G	PK	22.11319G	3.20	-58.79	-55.59	-21.20	-34.39
2440MHz	Pass	3.1G	4G	AV	3.35065G	3.20	-76.85	-73.65	-41.20	-32.45
2440MHz	Pass	4G	5G	AV	4.8795G	3.20	-77.31	-74.11	-41.20	-32.91
2440MHz	Pass	4G	5G	AV	4.88825G	3.20	-76.88	-73.68	-41.20	-32.48
2440MHz	Pass	5G	7G	AV	5.382G	3.20	-76.32	-73.12	-41.20	-31.92
2440MHz	Pass	7G	8G	AV	7.3205G	3.20	-68.34	-65.14	-41.20	-23.94
2440MHz	Pass	8G	25G	AV	22.12275G	3.20	-69.08	-65.88	-41.20	-24.68
2440MHz	Pass	3.1G	4G	PK	3.89313G	3.20	-65.81	-62.61	-21.20	-41.41
2440MHz	Pass	4G	5G	PK	4.857G	3.20	-64.87	-61.67	-21.20	-40.47
2440MHz	Pass	4G	5G	PK	4.88075G	3.20	-67.68	-64.48	-21.20	-43.28
2440MHz	Pass	5G	7G	PK	5.438G	3.20	-66.46	-63.26	-21.20	-42.06
2440MHz	Pass	7G	8G	PK	7.3205G	3.20	-60.33	-57.13	-21.20	-35.93
2440MHz	Pass	8G	25G	PK	22.1355G	3.20	-59.40	-56.20	-21.20	-35.00
2480MHz	Pass	3.1G	4G	AV	3.35583G	3.20	-77.55	-74.35	-41.20	-33.15
2480MHz	Pass	4G	5G	AV	4.9595G	3.20	-76.06	-72.86	-41.20	-31.66
2480MHz	Pass	4G	5G	AV	4.95975G	3.20	-76.06	-72.86	-41.20	-31.66
2480MHz	Pass	5G	7G	AV	5.3795G	3.20	-76.58	-73.38	-41.20	-32.18
2480MHz	Pass	7G	8G	AV	7.44075G	3.20	-66.90	-63.70	-41.20	-22.50
2480MHz	Pass	8G	25G	AV	22.15516G	3.20	-69.22	-66.02	-41.20	-24.82
2480MHz	Pass	3.1G	4G	PK	3.88525G	3.20	-66.74	-63.54	-21.20	-42.34
2480MHz	Pass	4G	5G	PK	4.96G	3.20	-66.50	-63.30	-21.20	-42.10

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2480MHz	Pass	5G	7G	PK	5.3555G	3.20	-65.92	-62.72	-21.20	-41.52
2480MHz	Pass	7G	8G	PK	7.43925G	3.20	-59.38	-56.18	-21.20	-34.98
2480MHz	Pass	8G	25G	PK	22.07547G	3.20	-58.87	-55.67	-21.20	-34.47
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	3.1G	4G	AV	3.99348G	3.20	-77.92	-74.72	-41.20	-33.52
2402MHz	Pass	4G	5G	AV	4.8025G	3.20	-77.79	-74.59	-41.20	-33.39
2402MHz	Pass	4G	5G	AV	4.89675G	3.20	-77.14	-73.94	-41.20	-32.74
2402MHz	Pass	5G	7G	AV	5.431G	3.20	-76.45	-73.25	-41.20	-32.05
2402MHz	Pass	7G	8G	AV	7.493G	3.20	-73.16	-69.96	-41.20	-28.76
2402MHz	Pass	8G	25G	AV	22.13072G	3.20	-69.13	-65.93	-41.20	-24.73
2402MHz	Pass	3.1G	4G	PK	3.94443G	3.20	-66.72	-63.52	-21.20	-42.32
2402MHz	Pass	4G	5G	PK	4.80425G	3.20	-68.20	-65.00	-21.20	-43.80
2402MHz	Pass	4G	5G	PK	4.81825G	3.20	-66.29	-63.09	-21.20	-41.89
2402MHz	Pass	5G	7G	PK	5.363G	3.20	-66.25	-63.05	-21.20	-41.85
2402MHz	Pass	7G	8G	PK	7.49G	3.20	-63.07	-59.87	-21.20	-38.67
2402MHz	Pass	8G	25G	PK	22.92494G	3.20	-59.01	-55.81	-21.20	-34.61
2440MHz	Pass	3.1G	4G	AV	3.97075G	3.20	-77.75	-74.55	-41.20	-33.35
2440MHz	Pass	4G	5G	AV	4.8795G	3.20	-77.36	-74.16	-41.20	-32.96
2440MHz	Pass	4G	5G	AV	4.901G	3.20	-77.14	-73.94	-41.20	-32.74
2440MHz	Pass	5G	7G	AV	5.373G	3.20	-76.42	-73.22	-41.20	-32.02
2440MHz	Pass	7G	8G	AV	7.32125G	3.20	-68.82	-65.62	-41.20	-24.42
2440MHz	Pass	8G	25G	AV	22.10469G	3.20	-69.05	-65.85	-41.20	-24.65
2440MHz	Pass	3.1G	4G	PK	3.9451G	3.20	-66.51	-63.31	-21.20	-42.11
2440MHz	Pass	4G	5G	PK	4.881G	3.20	-67.12	-63.92	-21.20	-42.72
2440MHz	Pass	4G	5G	PK	4.989G	3.20	-65.14	-61.94	-21.20	-40.74
2440MHz	Pass	5G	7G	PK	5.4545G	3.20	-65.13	-61.93	-21.20	-40.73
2440MHz	Pass	7G	8G	PK	7.3185G	3.20	-60.77	-57.57	-21.20	-36.37
2440MHz	Pass	8G	25G	PK	22.08131G	3.20	-58.51	-55.31	-21.20	-34.11
2480MHz	Pass	3.1G	4G	AV	3.96468G	3.20	-77.77	-74.57	-41.20	-33.37
2480MHz	Pass	4G	5G	AV	4.96125G	3.20	-76.02	-72.82	-41.20	-31.62
2480MHz	Pass	5G	7G	AV	5.4375G	3.20	-76.22	-73.02	-41.20	-31.82
2480MHz	Pass	7G	8G	AV	7.44125G	3.20	-67.88	-64.68	-41.20	-23.48
2480MHz	Pass	8G	25G	AV	22.16738G	3.20	-69.37	-66.17	-41.20	-24.97
2480MHz	Pass	3.1G	4G	PK	3.9532G	3.20	-66.51	-63.31	-21.20	-42.11
2480MHz	Pass	4G	5G	PK	4.9595G	3.20	-65.96	-62.76	-21.20	-41.56
2480MHz	Pass	5G	7G	PK	5.374G	3.20	-65.91	-62.71	-21.20	-41.51
2480MHz	Pass	7G	8G	PK	7.4415G	3.20	-59.76	-56.56	-21.20	-35.36
2480MHz	Pass	8G	25G	PK	22.16525G	3.20	-58.26	-55.06	-21.20	-33.86

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(1Mbps) **CSE-DTS [PK]**

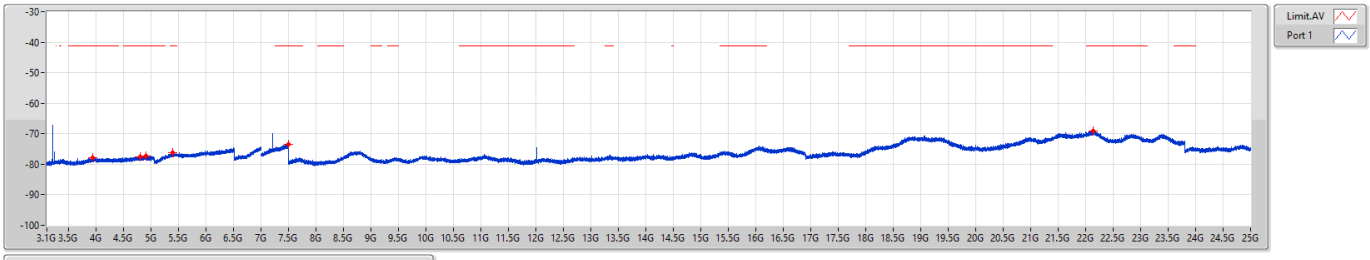
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	PK	3.9172G	-67.15	-67.15
4G	5G	1M	PK	4.804G	-66.96	-66.96
4G	5G	1M	PK	4.98925G	-65.85	-65.85
5G	7G	1M	PK	5.2495G	-66.03	-66.03
7G	8G	1M	PK	7.4805G	-63.20	-63.20
8G	25G	1M	PK	22.11319G	-58.79	-58.79

2.4-2.4835GHz_BT-LE(1Mbps) **CSE-DTS [AV]**

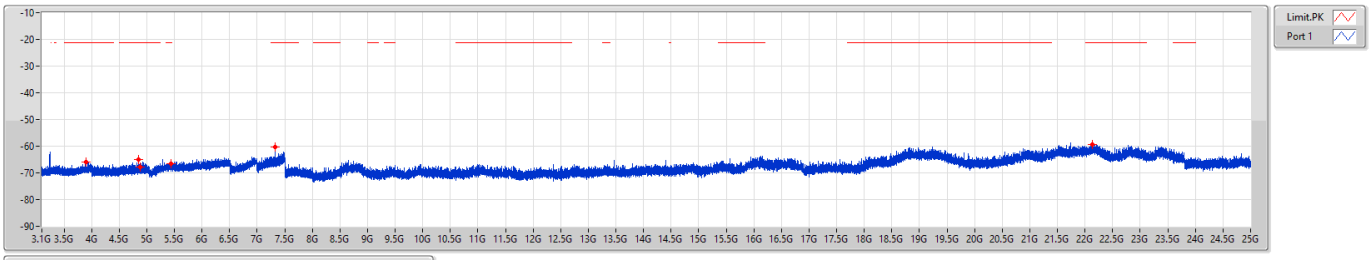
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	AV	3.937G	-77.88	-77.88
4G	5G	1M	AV	4.803G	-77.54	-77.54
4G	5G	1M	AV	4.897G	-77.37	-77.37
5G	7G	1M	AV	5.3895G	-76.31	-76.31
7G	8G	1M	AV	7.4965G	-73.38	-73.38
8G	25G	1M	AV	22.13125G	-69.20	-69.20

2.4-2.4835GHz_BT-LE(1Mbps) **CSE-DTS [PK]**

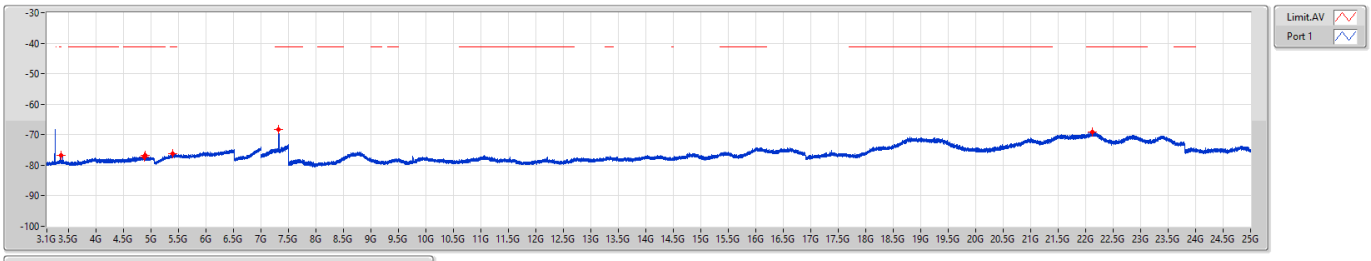
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	PK	3.89313G	-65.81	-65.81
4G	5G	1M	PK	4.857G	-64.87	-64.87
4G	5G	1M	PK	4.88075G	-67.68	-67.68
5G	7G	1M	PK	5.438G	-66.46	-66.46
7G	8G	1M	PK	7.3205G	-60.33	-60.33
8G	25G	1M	PK	22.1355G	-59.40	-59.40

2.4-2.4835GHz_BT-LE(1Mbps) **CSE-DTS [AV]**

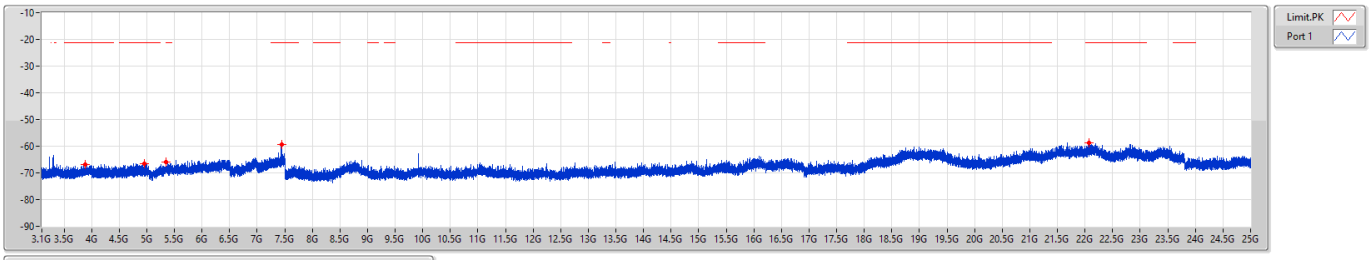
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	AV	3.35065G	-76.85	-76.85
4G	5G	1M	AV	4.8795G	-77.31	-77.31
4G	5G	1M	AV	4.88825G	-76.88	-76.88
5G	7G	1M	AV	5.382G	-76.32	-76.32
7G	8G	1M	AV	7.3205G	-68.34	-68.34
8G	25G	1M	AV	22.12275G	-69.08	-69.08

2.4-2.4835GHz_BT-LE(1Mbps) **CSE-DTS [PK]**

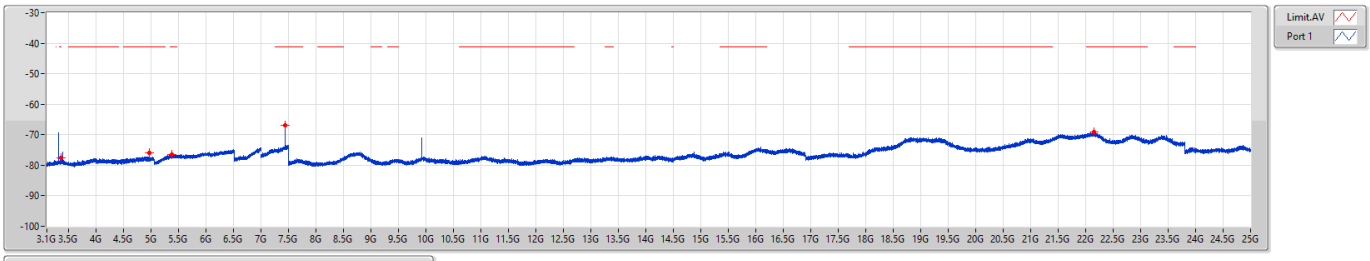
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	PK	3.88525G	-66.74	-66.74
4G	5G	1M	PK	4.96G	-66.50	-66.50
5G	7G	1M	PK	5.3555G	-65.92	-65.92
7G	8G	1M	PK	7.43925G	-59.38	-59.38
8G	25G	1M	PK	22.07547G	-58.87	-58.87

2.4-2.4835GHz_BT-LE(1Mbps) **CSE-DTS [AV]**

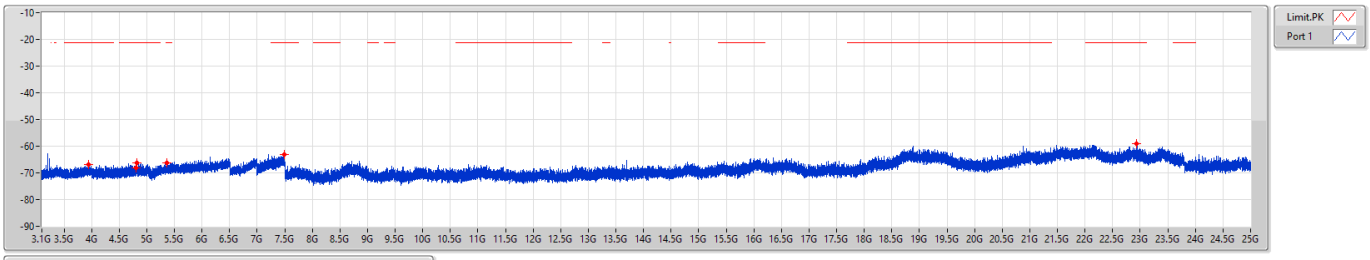
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	AV	3.35583G	-77.55	-77.55
4G	5G	1M	AV	4.9595G	-76.06	-76.06
4G	5G	1M	AV	4.95975G	-76.06	-76.06
5G	7G	1M	AV	5.3795G	-76.58	-76.58
7G	8G	1M	AV	7.44075G	-66.90	-66.90
8G	25G	1M	AV	22.15516G	-69.22	-69.22

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [PK]**

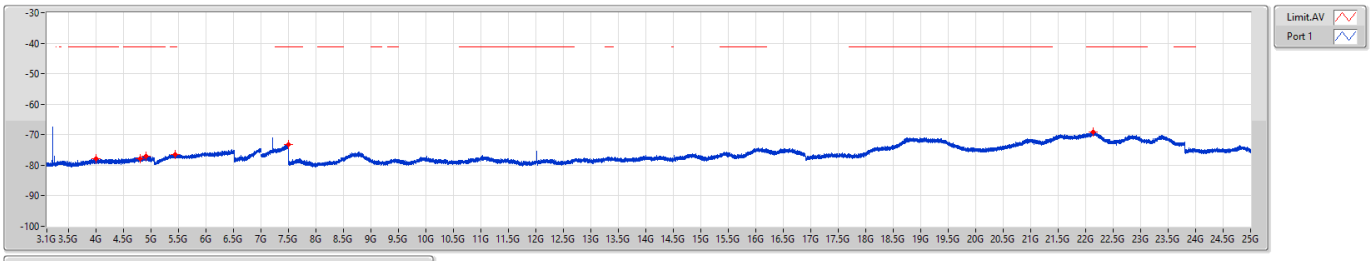
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	PK	3.94443G	-66.72	-66.72
4G	5G	1M	PK	4.80425G	-68.20	-68.20
4G	5G	1M	PK	4.81825G	-66.29	-66.29
5G	7G	1M	PK	5.363G	-66.25	-66.25
7G	8G	1M	PK	7.49G	-63.07	-63.07
8G	25G	1M	PK	22.92494G	-59.01	-59.01

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [AV]**

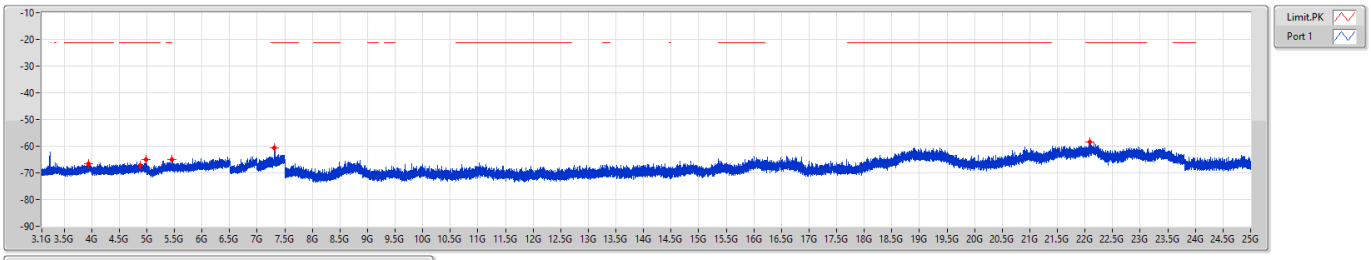
2402MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	AV	3.99348G	-77.92	-77.92
4G	5G	1M	AV	4.8025G	-77.79	-77.79
4G	5G	1M	AV	4.89675G	-77.14	-77.14
5G	7G	1M	AV	5.431G	-76.45	-76.45
7G	8G	1M	AV	7.493G	-73.16	-73.16
8G	25G	1M	AV	22.13072G	-69.13	-69.13

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [PK]**

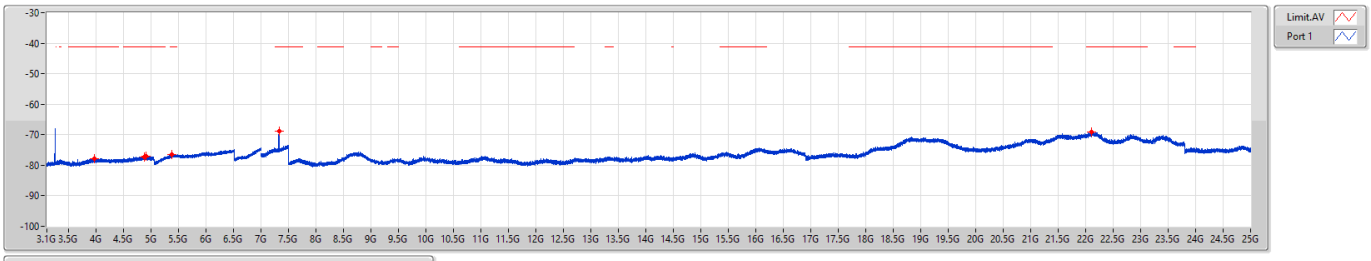
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	PK	3.9451G	-66.51	-66.51
4G	5G	1M	PK	4.881G	-67.12	-67.12
4G	5G	1M	PK	4.989G	-65.14	-65.14
5G	7G	1M	PK	5.4545G	-65.13	-65.13
7G	8G	1M	PK	7.3185G	-60.77	-60.77
8G	25G	1M	PK	22.08131G	-58.51	-58.51

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [AV]**

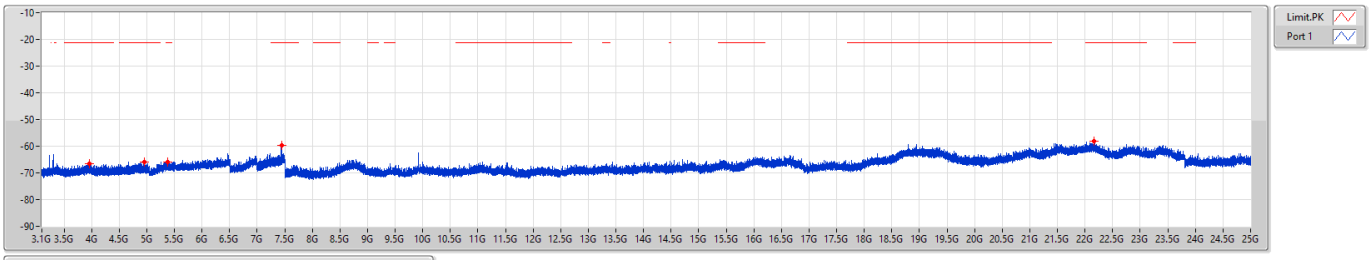
2440MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	AV	3.97075G	-77.75	-77.75
4G	5G	1M	AV	4.8795G	-77.36	-77.36
4G	5G	1M	AV	4.901G	-77.14	-77.14
5G	7G	1M	AV	5.373G	-76.42	-76.42
7G	8G	1M	AV	7.32125G	-68.82	-68.82
8G	25G	1M	AV	22.10469G	-69.05	-69.05

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [PK]**

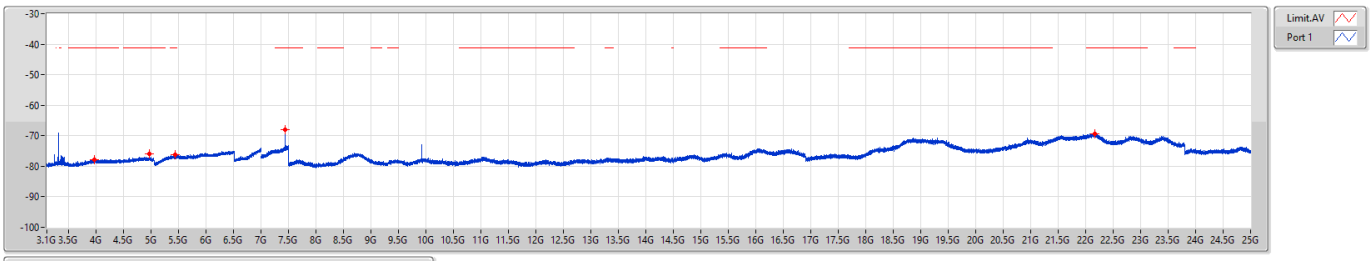
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	PK	3.9532G	-66.51	-66.51
4G	5G	1M	PK	4.9595G	-65.96	-65.96
5G	7G	1M	PK	5.374G	-65.91	-65.91
7G	8G	1M	PK	7.4415G	-59.76	-59.76
8G	25G	1M	PK	22.16525G	-58.26	-58.26

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [AV]**

2480MHz



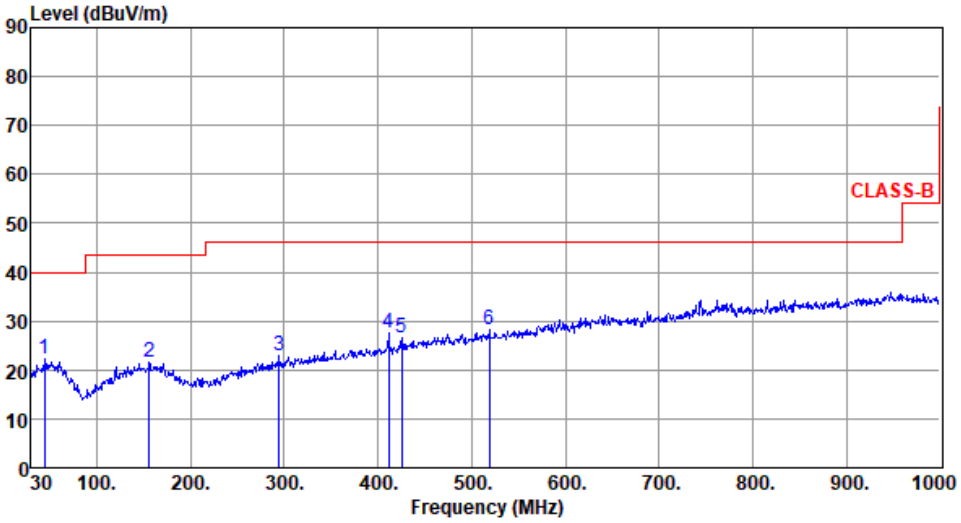
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	AV	3.96468G	-77.77	-77.77
4G	5G	1M	AV	4.96125G	-76.02	-76.02
5G	7G	1M	AV	5.4375G	-76.22	-76.22
7G	8G	1M	AV	7.44125G	-67.88	-67.88
8G	25G	1M	AV	22.16738G	-69.37	-69.37

Test Configuration 1: part no. 453-00391

Unwanted Emissions (Below 1GHz)

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2402
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):23 Humidity(%):62

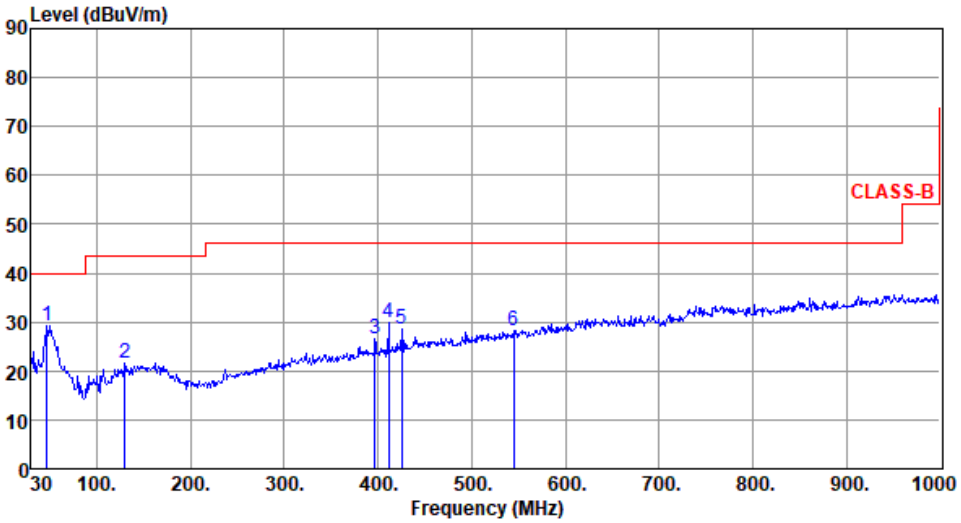


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	44.55	22.31	40.00	-17.69	30.89	-8.58	Peak	---	---
2	156.10	21.48	43.50	-22.02	30.16	-8.68	Peak	---	---
3	294.81	22.89	46.00	-23.11	30.98	-8.09	Peak	---	---
4	411.21	27.43	46.00	-18.57	32.51	-5.08	Peak	---	---
5	425.76	26.46	46.00	-19.54	31.01	-4.55	Peak	---	---
6	518.88	28.26	46.00	-17.74	30.50	-2.24	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2402
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):23 Humidity(%):62



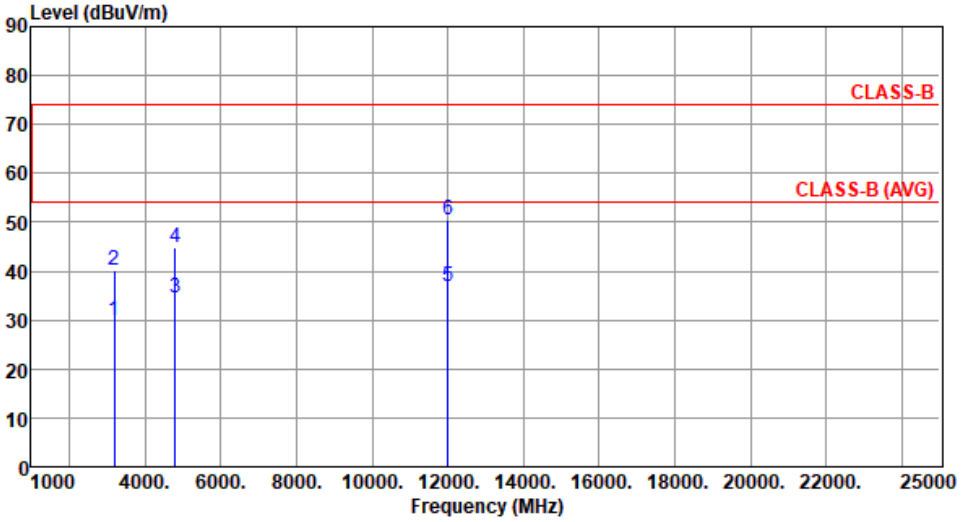
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	46.49	29.37	40.00	-10.63	37.75	-8.38	Peak	---	---
2	129.91	21.69	43.50	-21.81	31.76	-10.07	Peak	---	---
3	396.66	26.45	46.00	-19.55	31.84	-5.39	Peak	---	---
4	411.21	29.95	46.00	-16.05	35.03	-5.08	Peak	---	---
5	425.76	28.65	46.00	-17.35	33.20	-4.55	Peak	---	---
6	545.07	28.28	46.00	-17.72	30.17	-1.89	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Unwanted Emissions (Above 1GHz)

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2402
Polarization	Horizontal		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

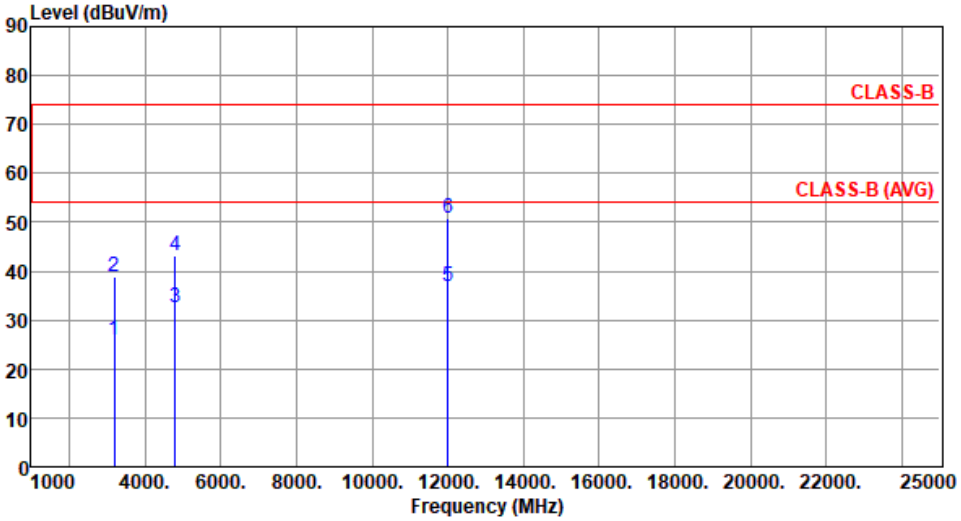


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3202.66	29.84	54.00	-24.16	31.49	-1.65	Average	117	33
2	3202.66	40.23	74.00	-33.77	41.88	-1.65	Peak	117	33
3	4804.00	34.69	54.00	-19.31	33.96	0.73	Average	150	23
4	4804.00	44.98	74.00	-29.02	44.25	0.73	Peak	150	23
5	12010.00	36.96	54.00	-17.04	28.76	8.20	Average	100	60
6	12010.00	50.38	74.00	-23.62	42.18	8.20	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2402
Polarization	Vertical		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

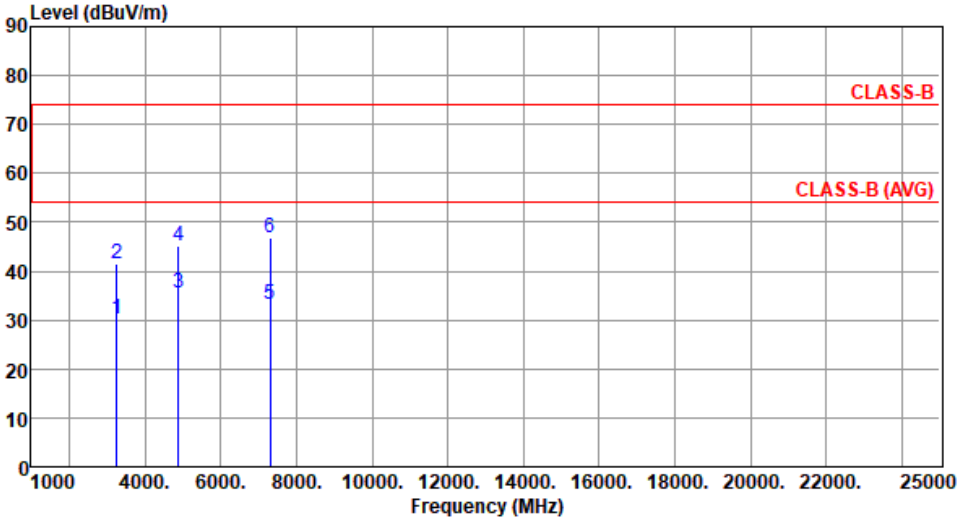


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3202.66	26.05	54.00	-27.95	27.70	-1.65	Average	100	30
2	3202.66	38.92	74.00	-35.08	40.57	-1.65	Peak	100	30
3	4804.00	32.40	54.00	-21.60	31.67	0.73	Average	307	359
4	4804.00	43.19	74.00	-30.81	42.46	0.73	Peak	307	359
5	12010.00	37.01	54.00	-16.99	28.81	8.20	Average	100	50
6	12010.00	50.69	74.00	-23.31	42.49	8.20	Peak	100	50

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2440
Polarization	Horizontal		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

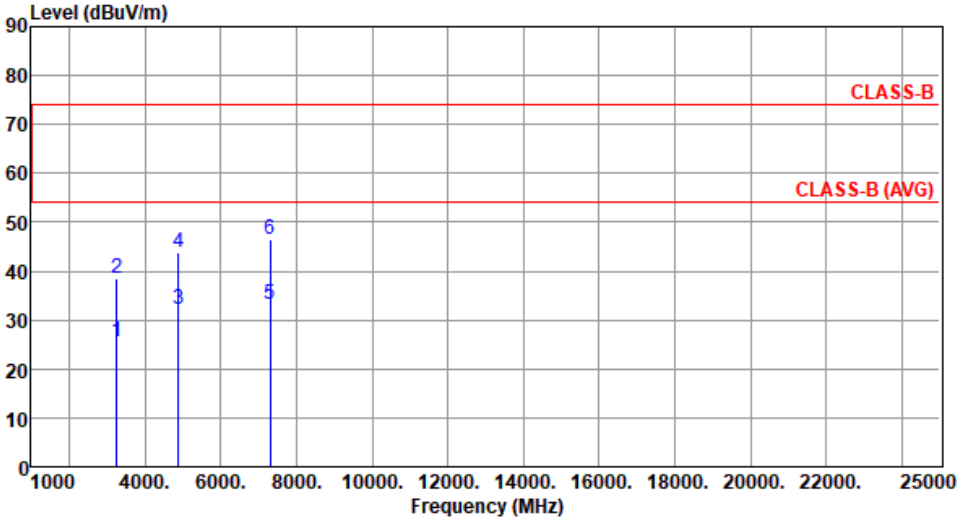


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3253.33	30.28	54.00	-23.72	32.20	-1.92	Average	183	23
2	3253.33	41.42	74.00	-32.58	43.34	-1.92	Peak	183	23
3	4880.00	35.67	54.00	-18.33	34.95	0.72	Average	110	24
4	4880.00	45.31	74.00	-28.69	44.59	0.72	Peak	110	24
5	7320.00	33.34	54.00	-20.66	26.98	6.36	Average	100	60
6	7320.00	46.92	74.00	-27.08	40.56	6.36	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2440
Polarization	Vertical		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

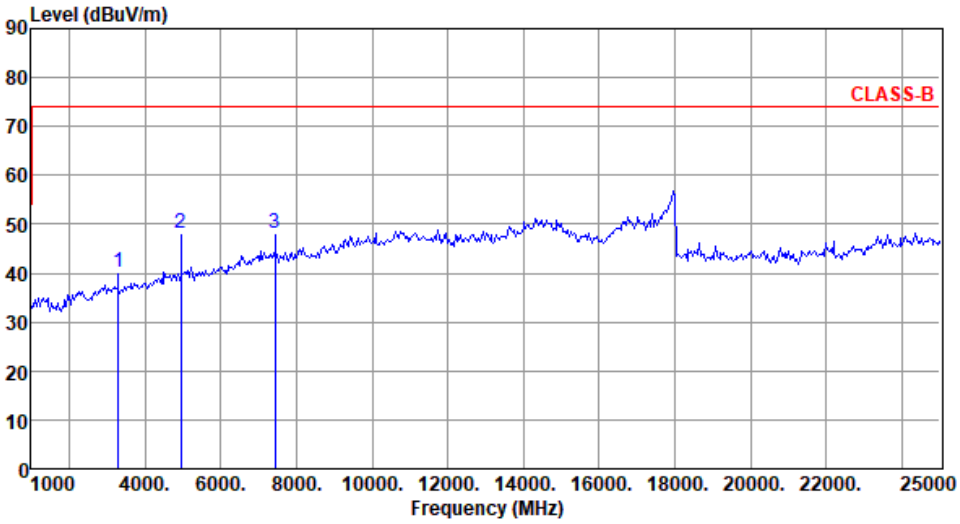


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3253.33	25.42	54.00	-28.58	27.34	-1.92	Average	100	60
2	3253.33	38.57	74.00	-35.43	40.49	-1.92	Peak	100	60
3	4880.00	32.24	54.00	-21.76	31.52	0.72	Average	310	2
4	4880.00	43.79	74.00	-30.21	43.07	0.72	Peak	310	2
5	7320.00	33.23	54.00	-20.77	26.87	6.36	Average	100	20
6	7320.00	46.64	74.00	-27.36	40.28	6.36	Peak	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Horizontal-Peak Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

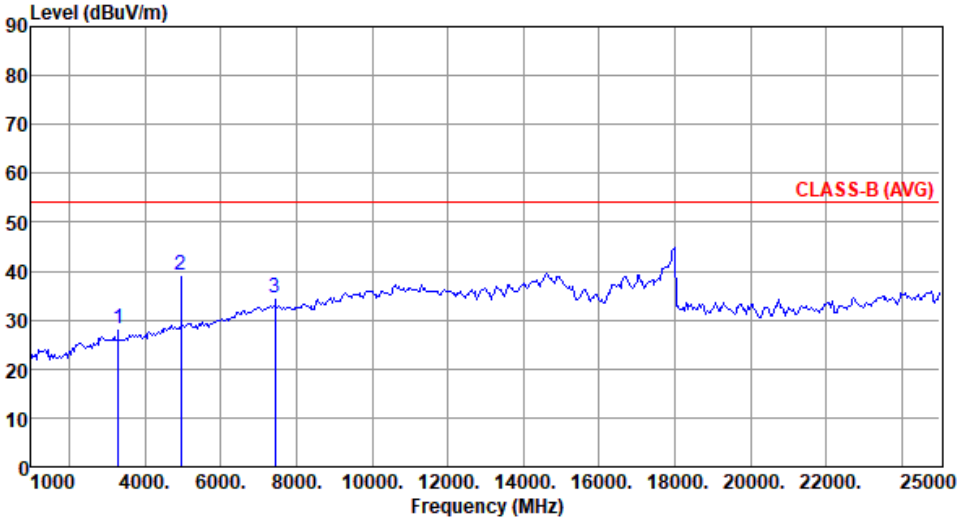


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	40.30	74.00	-33.70	42.30	-2.00	Peak	161	23
2	4960.00	48.01	74.00	-25.99	47.06	0.95	Peak	101	20
3	7440.00	48.21	74.00	-25.79	41.64	6.57	Peak	100	25

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Horizontal-Average Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

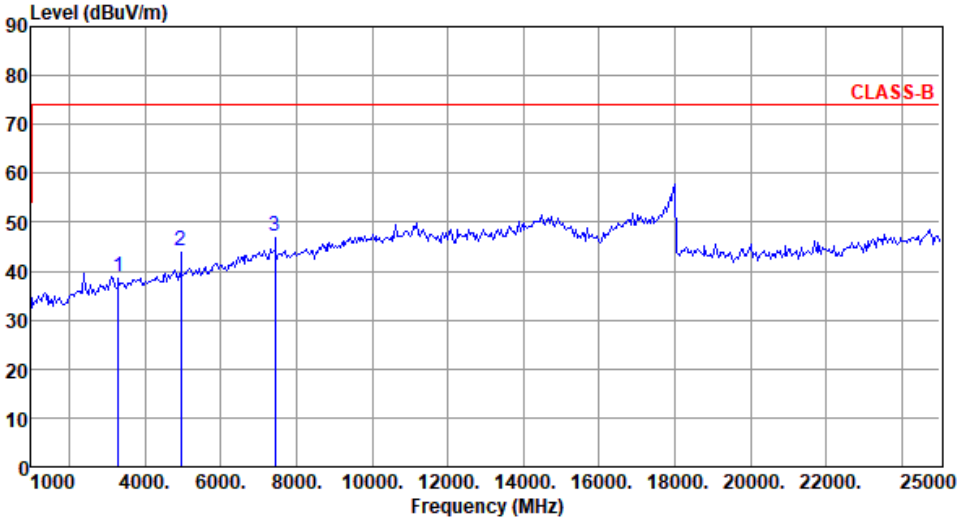


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	28.22	54.00	-25.78	30.22	-2.00	Average	161	23
2	4960.00	39.15	54.00	-14.85	38.20	0.95	Average	101	20
3	7440.00	34.60	54.00	-19.40	28.03	6.57	Average	100	25

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Vertical-Peak Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

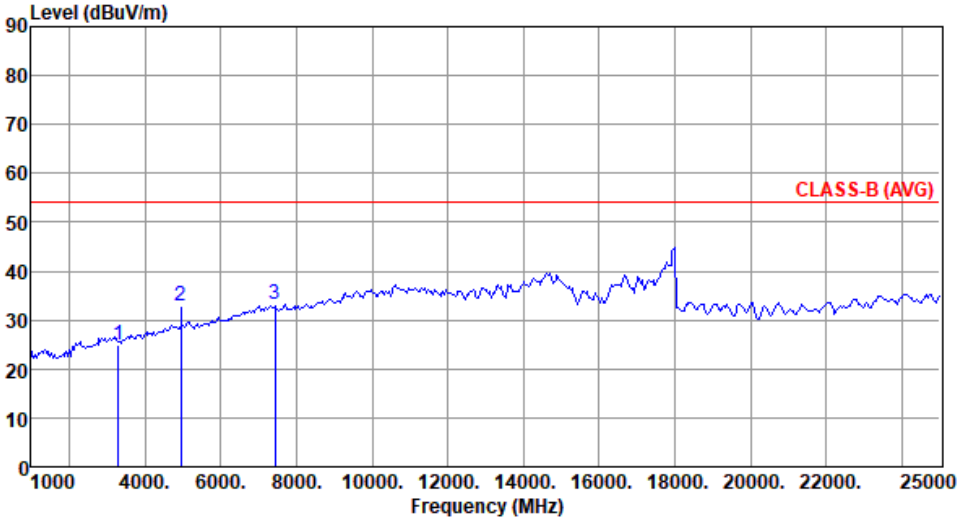


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	38.86	74.00	-35.14	40.86	-2.00	Peak	100	10
2	4960.00	44.26	74.00	-29.74	43.31	0.95	Peak	229	354
3	7440.00	47.01	74.00	-26.99	40.44	6.57	Peak	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Vertical -Average Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

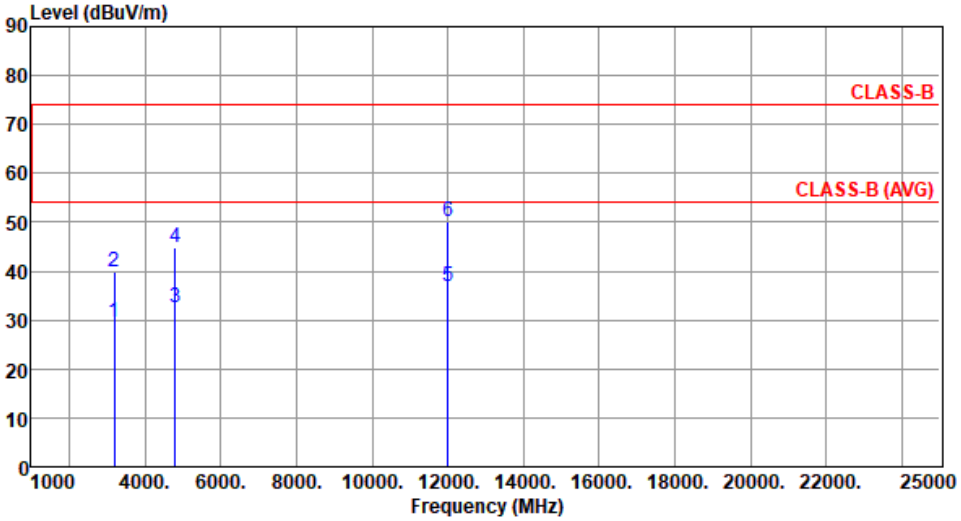


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	24.96	54.00	-29.04	26.96	-2.00	Average	100	10
2	4960.00	32.96	54.00	-21.04	32.01	0.95	Average	229	354
3	7440.00	33.12	54.00	-20.88	26.55	6.57	Average	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2402
Polarization	Horizontal		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

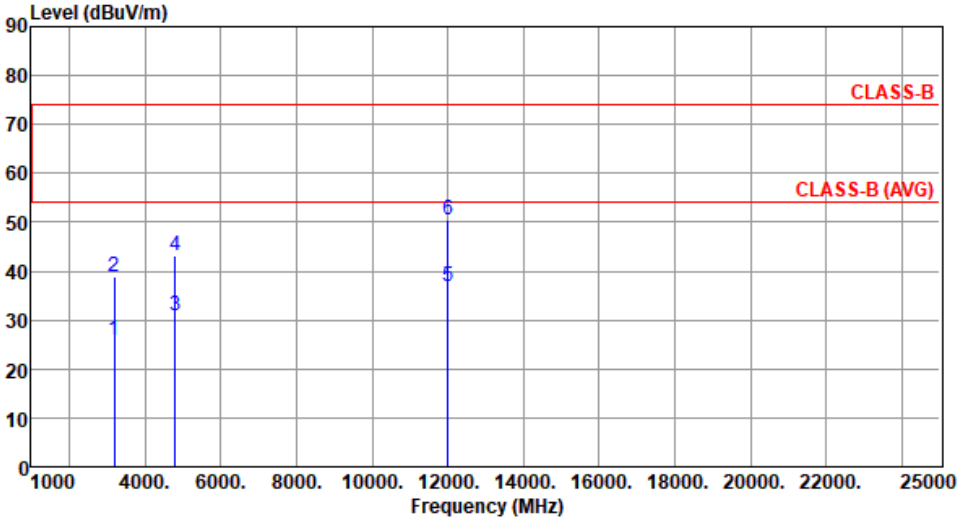


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3202.66	29.62	54.00	-24.38	31.27	-1.65	Average	121	35
2	3202.66	40.01	74.00	-33.99	41.66	-1.65	Peak	121	35
3	4804.00	32.59	54.00	-21.41	31.86	0.73	Average	149	25
4	4804.00	44.86	74.00	-29.14	44.13	0.73	Peak	149	25
5	12010.00	36.81	54.00	-17.19	28.61	8.20	Average	100	55
6	12010.00	50.22	74.00	-23.78	42.02	8.20	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2402
Polarization	Vertical		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

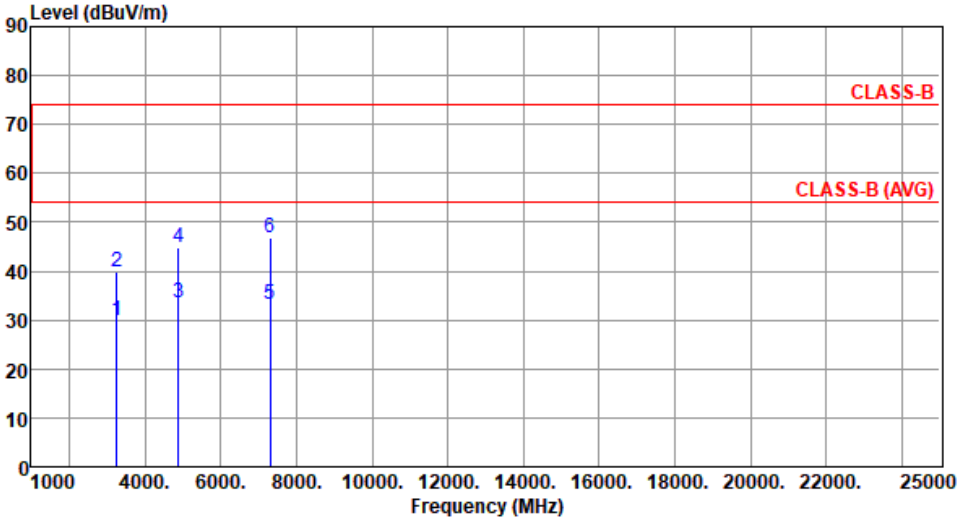


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3202.66	25.92	54.00	-28.08	27.57	-1.65	Average	100	25
2	3202.66	38.77	74.00	-35.23	40.42	-1.65	Peak	100	25
3	4804.00	31.01	54.00	-22.99	30.28	0.73	Average	302	2
4	4804.00	43.14	74.00	-30.86	42.41	0.73	Peak	302	2
5	12010.00	36.88	54.00	-17.12	28.68	8.20	Average	100	40
6	12010.00	50.51	74.00	-23.49	42.31	8.20	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2440
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):65

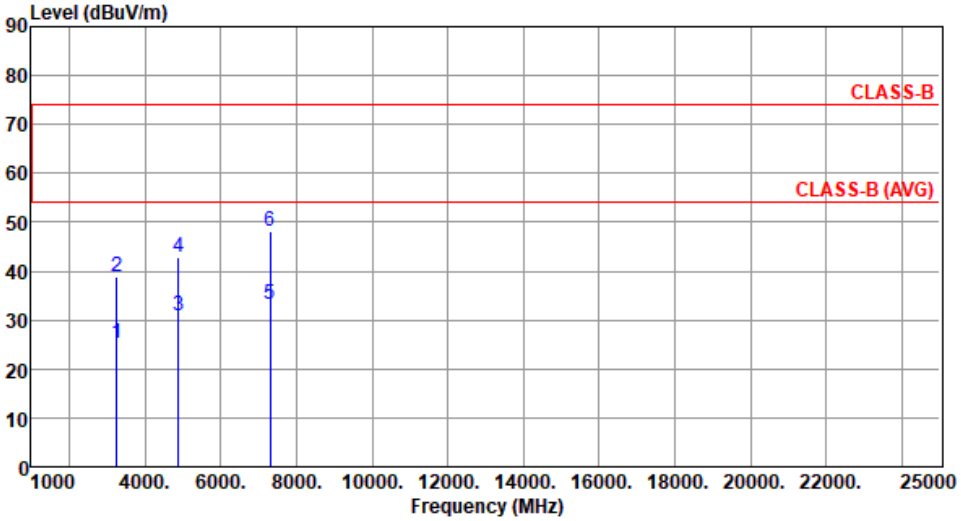


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3253.33	29.87	54.00	-24.13	31.79	-1.92	Average	228	25
2	3253.33	39.92	74.00	-34.08	41.84	-1.92	Peak	228	25
3	4880.00	33.63	54.00	-20.37	32.91	0.72	Average	132	18
4	4880.00	44.85	74.00	-29.15	44.13	0.72	Peak	132	18
5	7320.00	33.23	54.00	-20.77	26.87	6.36	Average	100	30
6	7320.00	46.95	74.00	-27.05	40.59	6.36	Peak	100	30

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2440
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):65

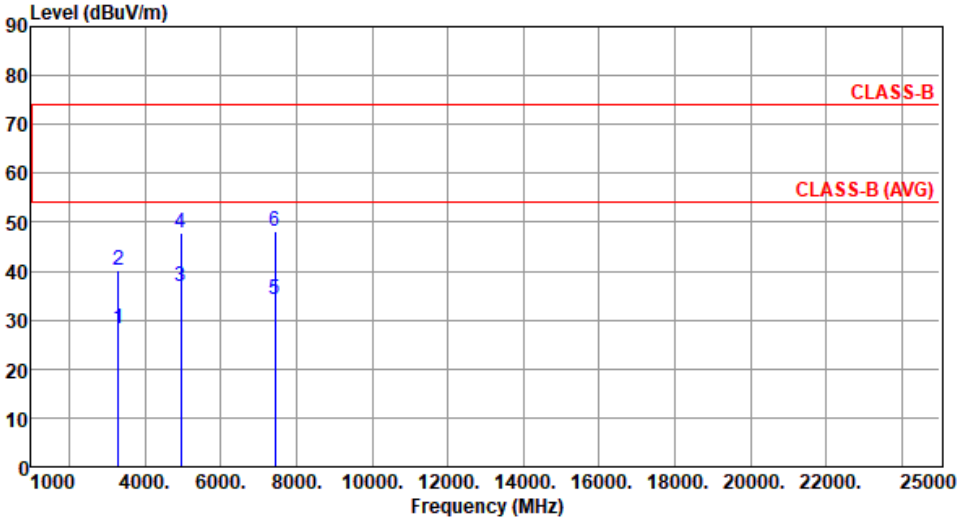


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3253.33	25.25	54.00	-28.75	27.17	-1.92	Average	100	40
2	3253.33	38.77	74.00	-35.23	40.69	-1.92	Peak	100	40
3	4880.00	30.97	54.00	-23.03	30.25	0.72	Average	317	5
4	4880.00	42.98	74.00	-31.02	42.26	0.72	Peak	317	5
5	7320.00	33.30	54.00	-20.70	26.94	6.36	Average	100	50
6	7320.00	48.16	74.00	-25.84	41.80	6.36	Peak	100	50

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2480
Polarization	Horizontal		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

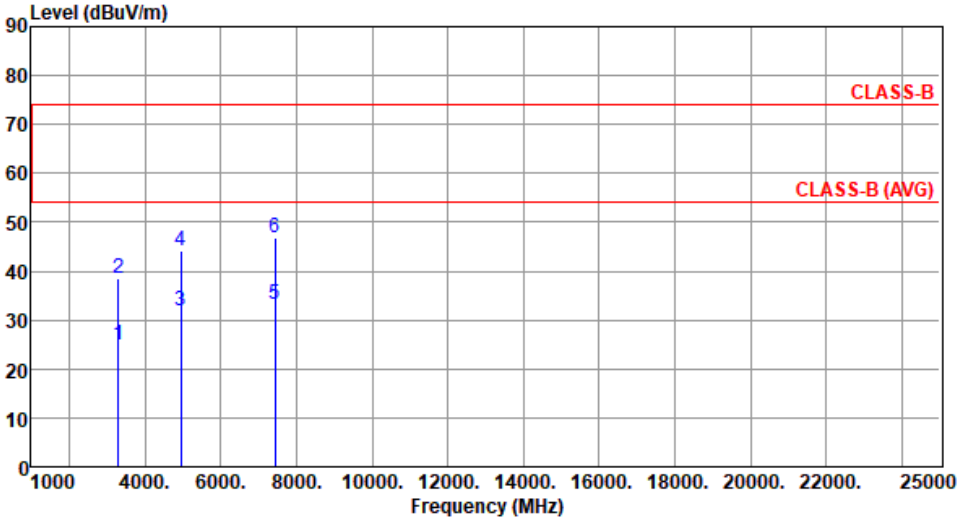


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	28.15	54.00	-25.85	30.15	-2.00	Average	155	23
2	3306.66	40.15	74.00	-33.85	42.15	-2.00	Peak	155	23
3	4960.00	36.97	54.00	-17.03	36.02	0.95	Average	105	22
4	4960.00	47.84	74.00	-26.16	46.89	0.95	Peak	105	22
5	7440.00	34.22	54.00	-19.78	27.65	6.57	Average	100	29
6	7440.00	48.12	74.00	-25.88	41.55	6.57	Peak	100	29

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2480
Polarization	Vertical		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	24.88	54.00	-29.12	26.88	-2.00	Average	100	20
2	3306.66	38.62	74.00	-35.38	40.62	-2.00	Peak	100	20
3	4960.00	31.82	54.00	-22.18	30.87	0.95	Average	230	354
4	4960.00	44.10	74.00	-29.90	43.15	0.95	Peak	230	354
5	7440.00	33.05	54.00	-20.95	26.48	6.57	Average	100	30
6	7440.00	46.83	74.00	-27.17	40.26	6.57	Peak	100	30

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Test Configuration 2: part no. 453-00392

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-		-	-	-
BT-LE(2Mbps)	Pass	30M	1G	PK	74.26M	2.32	-76.46	4.7	-69.44	-55.20	-14.24

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

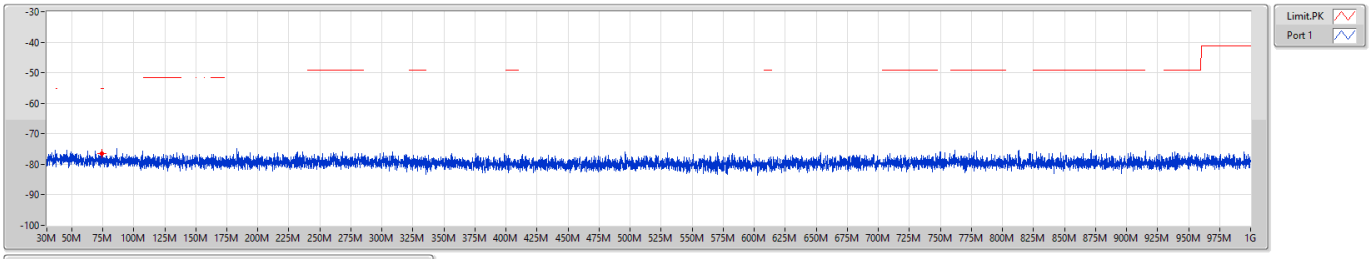
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(2Mbps)	-	-	-	-	-	-	-		-	-	-
2480MHz	Pass	30M	1G	PK	74.26M	2.32	-76.46	4.7	-69.44	-55.20	-14.24

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Other-DTS [PK]**

2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
30M	1G	100k	PK	74.26M	-76.46	-76.46

Test Configuration 2: part no. 453-00392

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	2.4835G	2.5G	AV	2.48352G	2.32	-59.65	-57.33	-41.20	-16.13

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

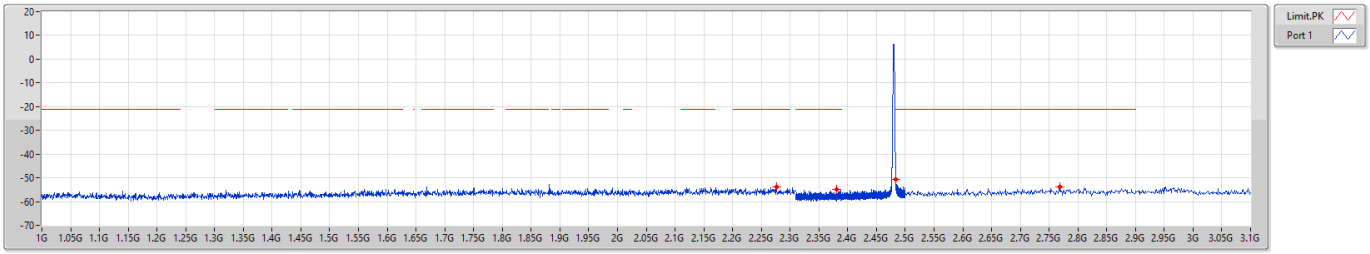
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2480MHz	Pass	1G	2.31G	AV	2.12464G	2.32	-69.45	-67.13	-41.20	-25.93
2480MHz	Pass	2.31G	2.39G	AV	2.32364G	2.32	-65.66	-63.34	-41.20	-22.14
2480MHz	Pass	2.4835G	2.5G	AV	2.48352G	2.32	-59.65	-57.33	-41.20	-16.13
2480MHz	Pass	2.5G	3.1G	AV	2.7745G	2.32	-69.22	-66.90	-41.20	-25.70
2480MHz	Pass	1G	2.31G	PK	2.27594G	2.32	-53.82	-51.50	-21.20	-30.30
2480MHz	Pass	2.31G	2.39G	PK	2.38128G	2.32	-54.91	-52.59	-21.20	-31.39
2480MHz	Pass	2.4835G	2.5G	PK	2.48356G	2.32	-50.58	-48.26	-21.20	-27.06
2480MHz	Pass	2.5G	3.1G	PK	2.7688G	2.32	-53.91	-51.59	-21.20	-30.39

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [PK]**

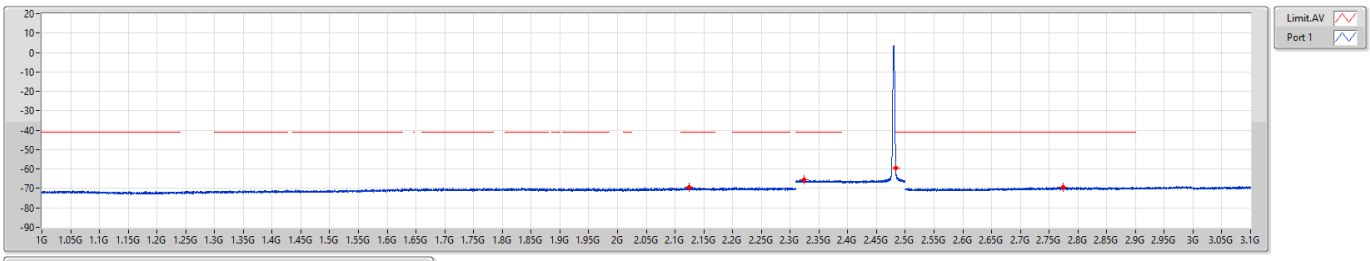
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	PK	2.27594G	-53.82	-53.82
2.31G	2.39G	1M	PK	2.38128G	-54.91	-54.91
2.4835G	2.5G	1M	PK	2.48356G	-50.58	-50.58
2.5G	3.1G	1M	PK	2.7688G	-53.91	-53.91

2.4-2.4835GHz_BT-LE(2Mbps) **CSE Bandedge-DTS [AV]**

2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
1G	2.31G	1M	AV	2.12464G	-69.45	-69.45
2.31G	2.39G	1M	AV	2.32364G	-65.66	-65.66
2.4835G	2.5G	1M	AV	2.48352G	-59.65	-59.65
2.5G	3.1G	1M	AV	2.7745G	-69.22	-69.22

Test Configuration 2: part no. 453-00392

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	8G	25G	AV	22.13391G	2.32	-68.98	-66.66	-41.20	-25.46

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

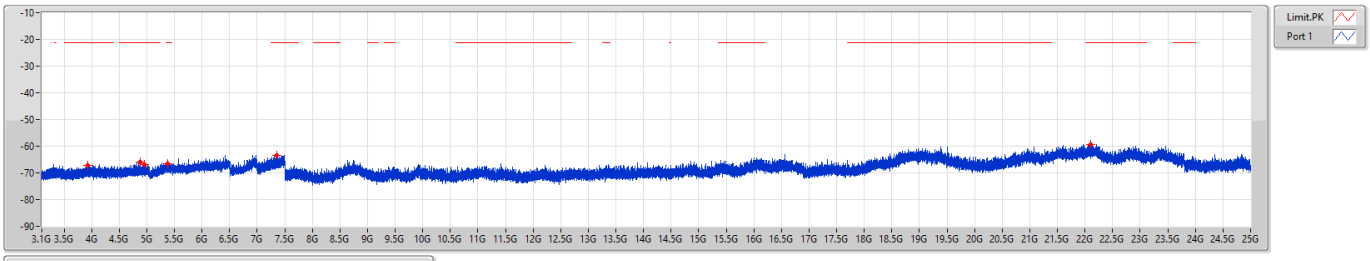
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2480MHz	Pass	3.1G	4G	AV	3.9622G	2.32	-77.66	-75.34	-41.20	-34.14
2480MHz	Pass	4G	5G	AV	4.96125G	2.32	-75.90	-73.58	-41.20	-32.38
2480MHz	Pass	5G	7G	AV	5.377G	2.32	-76.39	-74.07	-41.20	-32.87
2480MHz	Pass	7G	8G	AV	7.43875G	2.32	-72.85	-70.53	-41.20	-29.33
2480MHz	Pass	8G	25G	AV	22.13391G	2.32	-68.98	-66.66	-41.20	-25.46
2480MHz	Pass	3.1G	4G	PK	3.93543G	2.32	-67.30	-64.98	-21.20	-43.78
2480MHz	Pass	4G	5G	PK	4.8875G	2.32	-66.08	-63.76	-21.20	-42.56
2480MHz	Pass	4G	5G	PK	4.96G	2.32	-67.02	-64.70	-21.20	-43.50
2480MHz	Pass	5G	7G	PK	5.3825G	2.32	-66.58	-64.26	-21.20	-43.06
2480MHz	Pass	7G	8G	PK	7.35025G	2.32	-63.49	-61.17	-21.20	-39.97
2480MHz	Pass	8G	25G	PK	22.10788G	2.32	-59.46	-57.14	-21.20	-35.94

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [PK]**

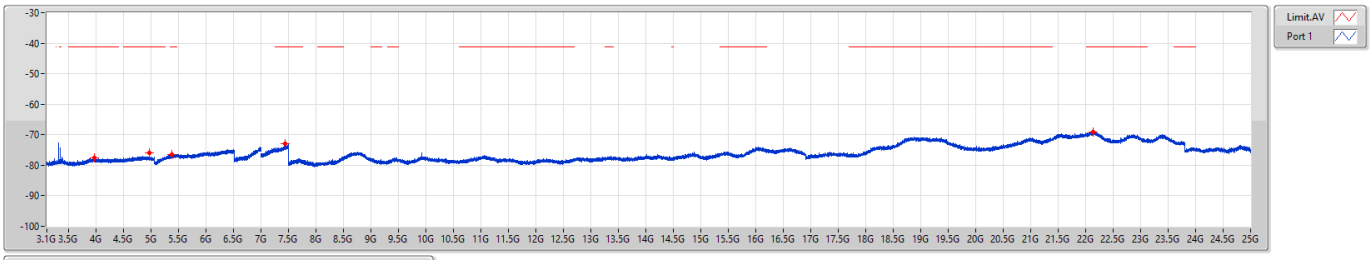
2480MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	PK	3.93543G	-67.30	-67.30
4G	5G	1M	PK	4.8875G	-66.08	-66.08
4G	5G	1M	PK	4.96G	-67.02	-67.02
5G	7G	1M	PK	5.3825G	-66.58	-66.58
7G	8G	1M	PK	7.35025G	-63.49	-63.49
8G	25G	1M	PK	22.10788G	-59.46	-59.46

2.4-2.4835GHz_BT-LE(2Mbps) **CSE-DTS [AV]**

2480MHz



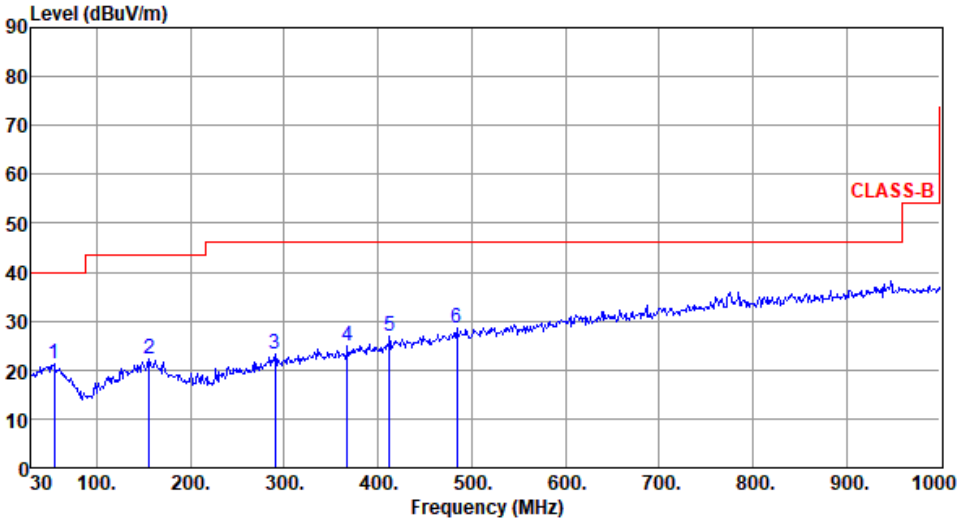
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)
3.1G	4G	1M	AV	3.9622G	-77.66	-77.66
4G	5G	1M	AV	4.96125G	-75.90	-75.90
5G	7G	1M	AV	5.377G	-76.39	-76.39
7G	8G	1M	AV	7.43875G	-72.85	-72.85
8G	25G	1M	AV	22.13391G	-68.98	-68.98

Test Configuration 2: part no. 453-00392

Unwanted Emissions (Below 1GHz)

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2480
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):24 Humidity(%):65

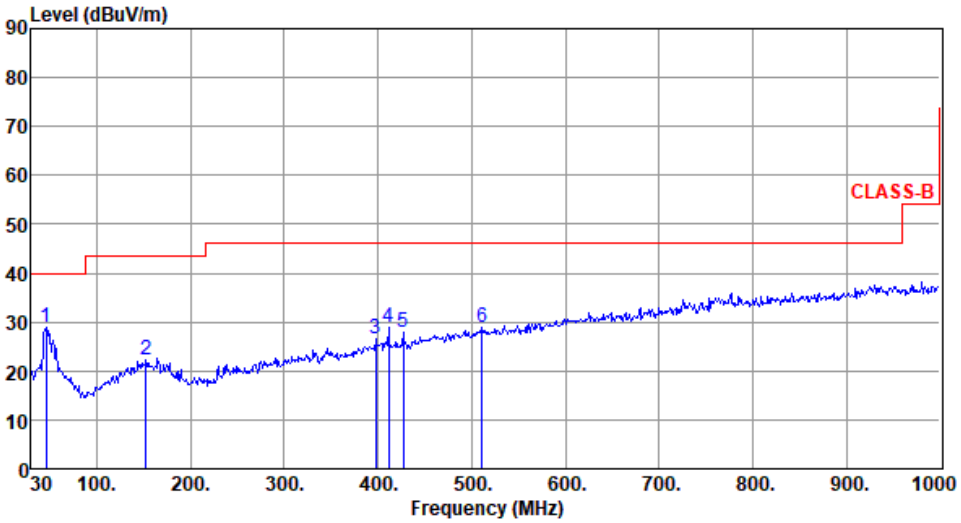


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	54.25	21.23	40.00	-18.77	29.59	-8.36	Peak	---	---
2	156.10	22.10	43.50	-21.40	30.78	-8.68	Peak	---	---
3	289.96	23.22	46.00	-22.78	31.43	-8.21	Peak	---	---
4	367.56	25.05	46.00	-20.95	31.19	-6.14	Peak	---	---
5	412.18	26.89	46.00	-19.11	31.93	-5.04	Peak	---	---
6	483.96	28.47	46.00	-17.53	31.65	-3.18	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	BT-LE (2Mbps)	**Test Freq. (MHz)**	2480
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):24 Humidity(%):65



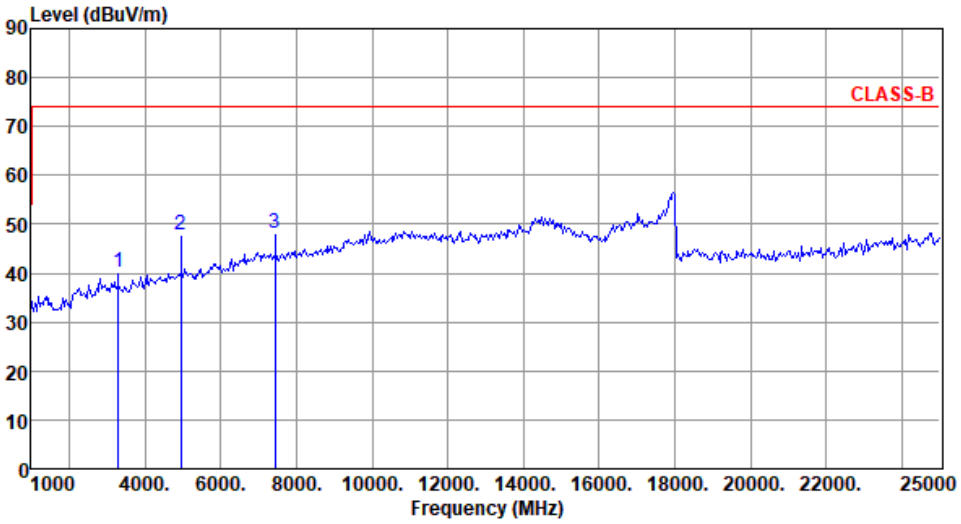
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	45.52	28.80	40.00	-11.20	37.19	-8.39	Peak	---	---
2	152.22	22.17	43.50	-21.33	30.89	-8.72	Peak	---	---
3	397.63	26.50	46.00	-19.50	31.89	-5.39	Peak	---	---
4	411.21	28.78	46.00	-17.22	33.86	-5.08	Peak	---	---
5	426.73	27.91	46.00	-18.09	32.44	-4.53	Peak	---	---
6	511.12	29.03	46.00	-16.97	31.46	-2.43	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Unwanted Emissions (Above 1GHz)

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Horizontal-Peak Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

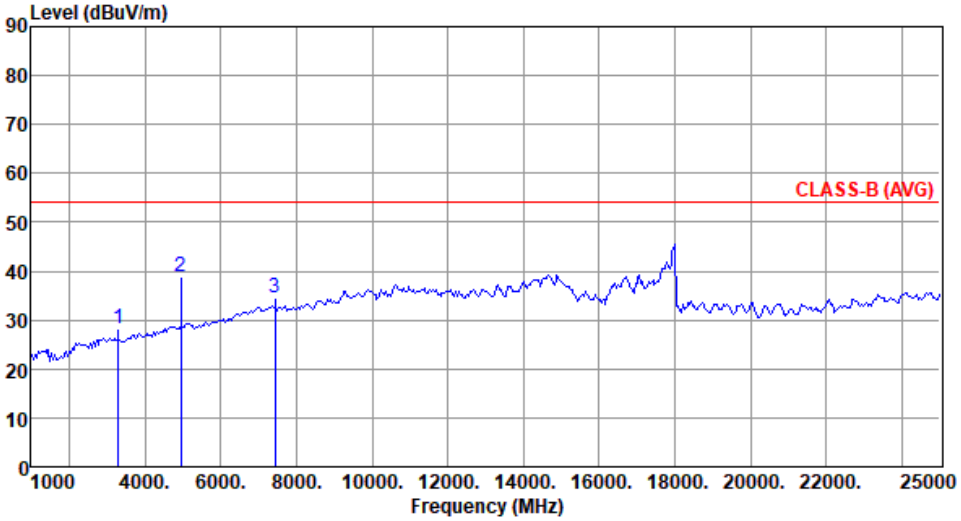


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	40.10	74.00	-33.90	42.10	-2.00	Peak	159	24
2	4960.00	47.69	74.00	-26.31	46.74	0.95	Peak	101	25
3	7440.00	48.02	74.00	-25.98	41.45	6.57	Peak	100	29

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Horizontal-Average Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

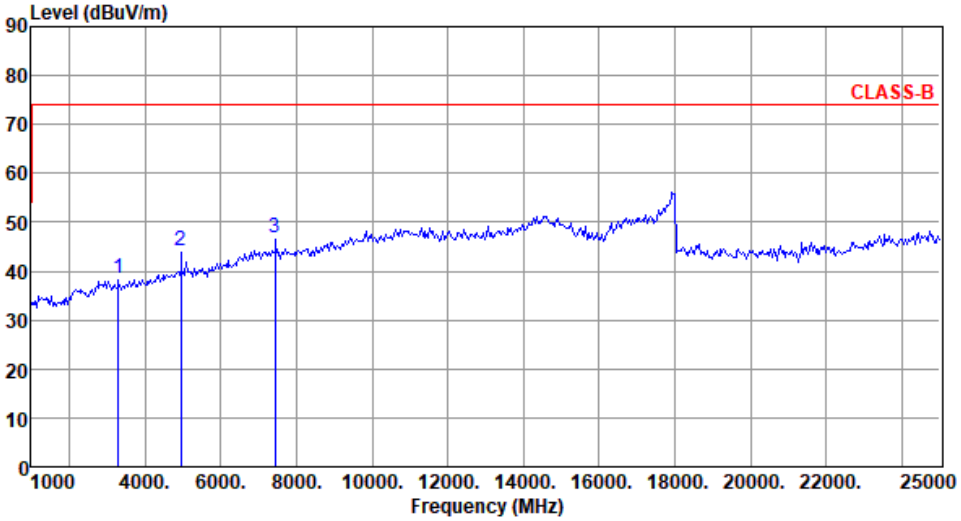


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	28.11	54.00	-25.89	30.11	-2.00	Average	159	24
2	4960.00	39.02	54.00	-14.98	38.07	0.95	Average	101	25
3	7440.00	34.45	54.00	-19.55	27.88	6.57	Average	100	29

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Vertical-Peak Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

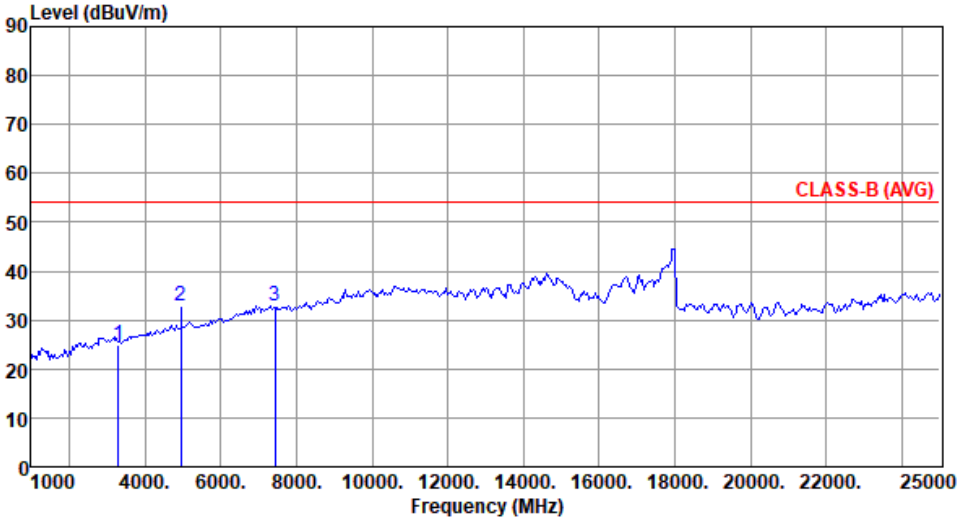


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	38.66	74.00	-35.34	40.66	-2.00	Peak	100	20
2	4960.00	44.13	74.00	-29.87	43.18	0.95	Peak	231	355
3	7440.00	46.86	74.00	-27.14	40.29	6.57	Peak	100	15

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT-LE (1Mbps)	**Test Freq. (MHz)**	2480
Polarization	Vertical -Average Value		

Test By :Roger Lu- Temperature(℃):24 Humidity(%):65

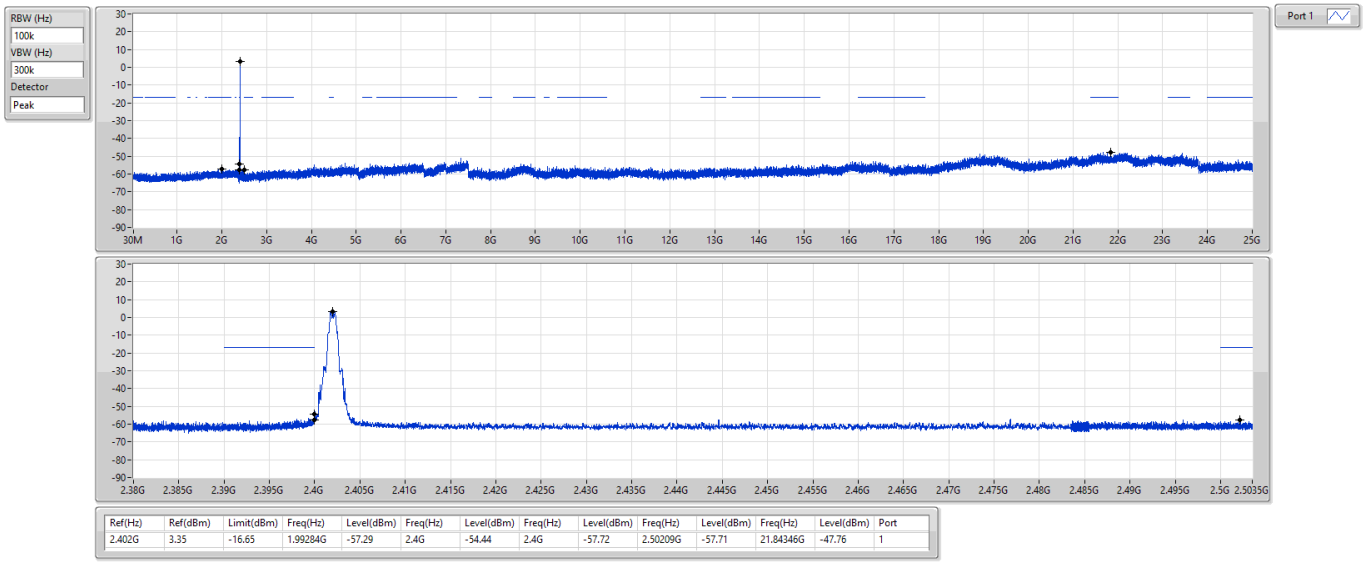


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	3306.66	24.76	54.00	-29.24	26.76	-2.00	Average	100	20
2	4960.00	32.76	54.00	-21.24	31.81	0.95	Average	231	355
3	7440.00	33.01	54.00	-20.99	26.44	6.57	Average	100	15

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

2.4-2.4835GHz_BT-LE(125kbps) **CSENdB-DTS**

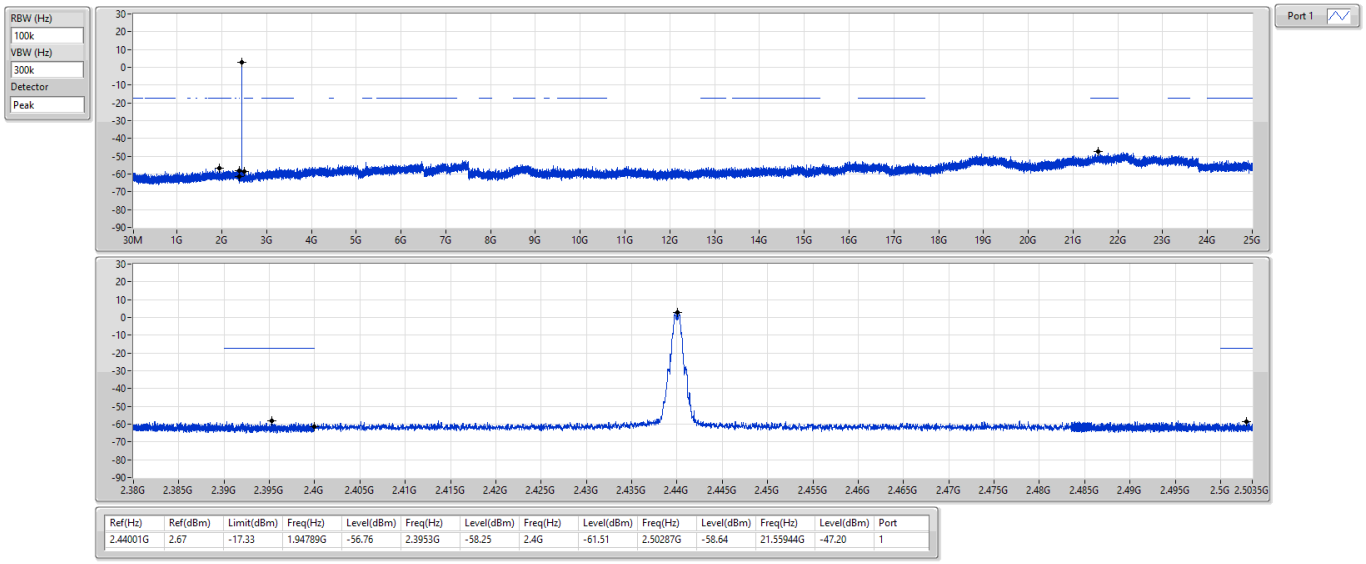
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.402G	3.35	-16.65	1.99284G	-57.29	2.4G	-54.44	2.4G	-57.72	2.50209G	-57.71	21.84346G	-47.76	1

2.4-2.4835GHz_BT-LE(125kbps) **CSENdB-DTS**

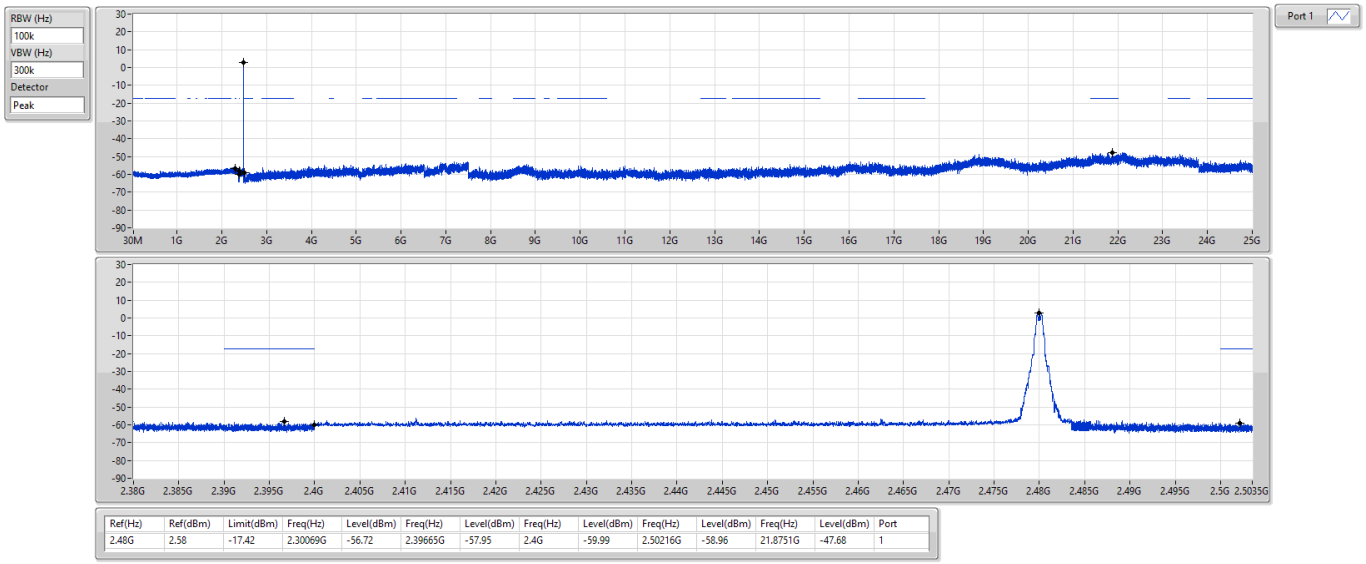
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44001G	2.67	-17.33	1.94789G	-56.76	2.3953G	-58.25	2.4G	-61.51	2.50287G	-58.64	21.55944G	-47.20	1

2.4-2.4835GHz_BT-LE(125kbps) **CSENdB-DTS**

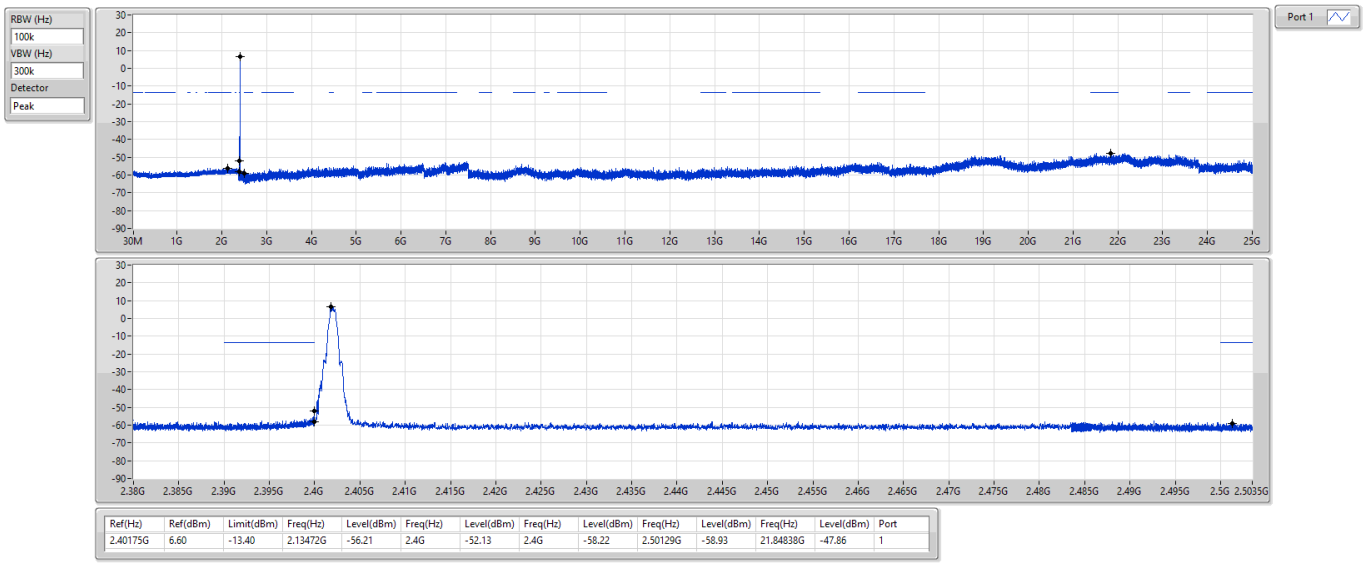
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48G	2.58	-17.42	2.30069G	-56.72	2.39665G	-57.95	2.4G	-59.99	2.50216G	-58.96	21.8751G	-47.68	1

2.4-2.4835GHz_BT-LE(500kbps) **CSENdB-DTS**

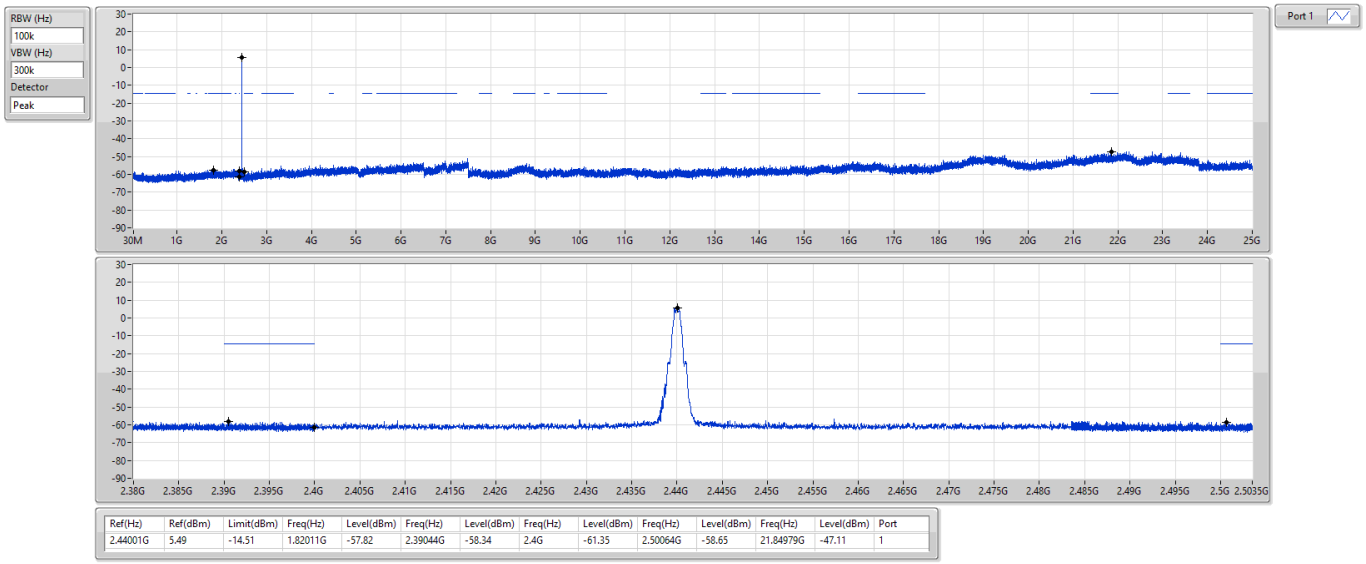
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40175G	6.60	-13.40	2.13472G	-56.21	2.4G	-52.13	2.4G	-58.22	2.50129G	-58.93	21.84838G	-47.86	1

2.4-2.4835GHz_BT-LE(500kbps) **CSENdB-DTS**

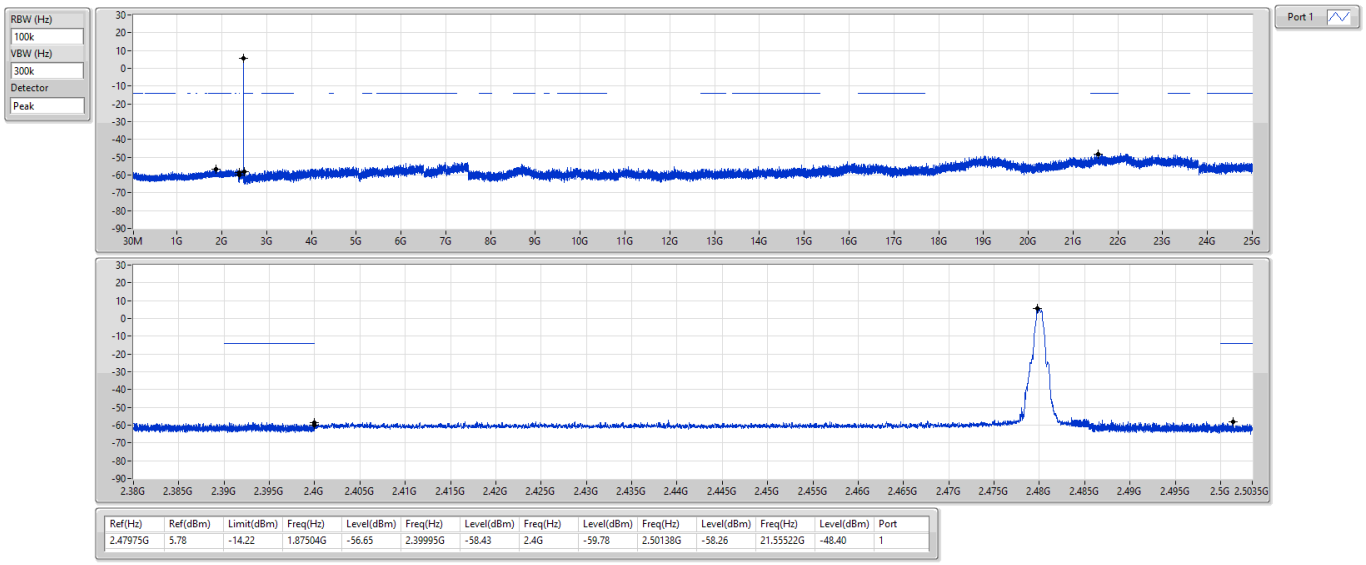
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44001G	5.49	-14.51	1.82011G	-57.82	2.39044G	-58.34	2.4G	-61.35	2.50064G	-58.65	21.84979G	-47.11	1

2.4-2.4835GHz_BT-LE(500kbps) **CSENdB-DTS**

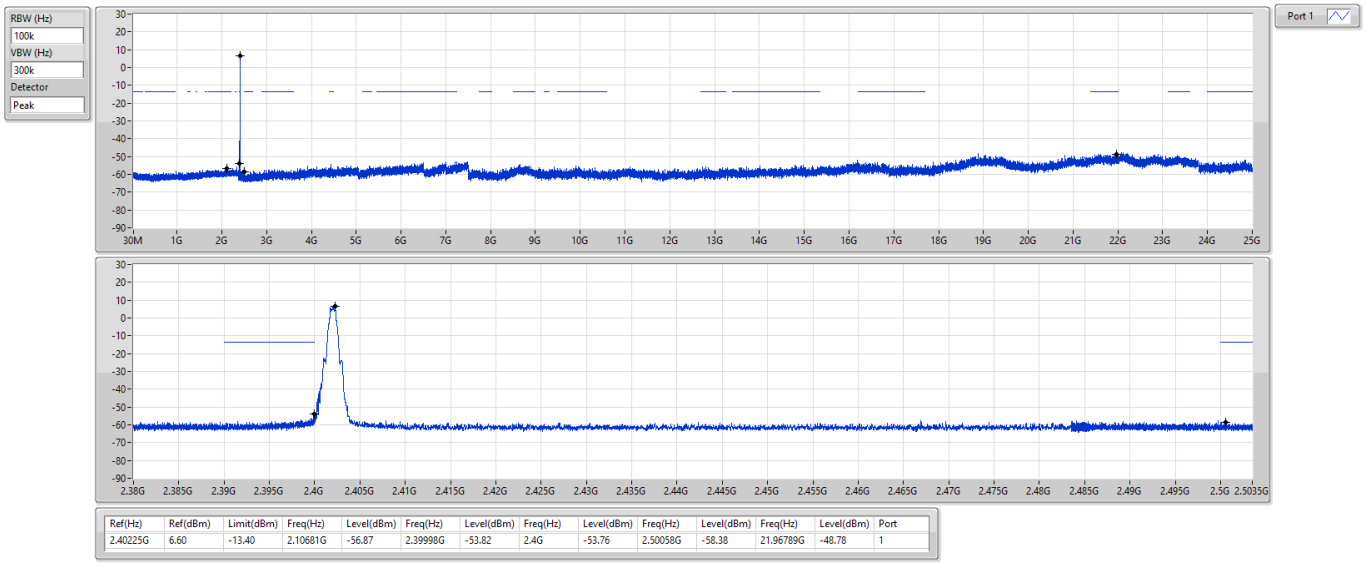
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.47975G	5.78	-14.22	1.87504G	-56.65	2.39995G	-58.43	2.4G	-59.78	2.50138G	-58.26	21.55522G	-48.40	1

2.4-2.4835GHz_BT-LE(1Mbps) **CSENdB-DTS**

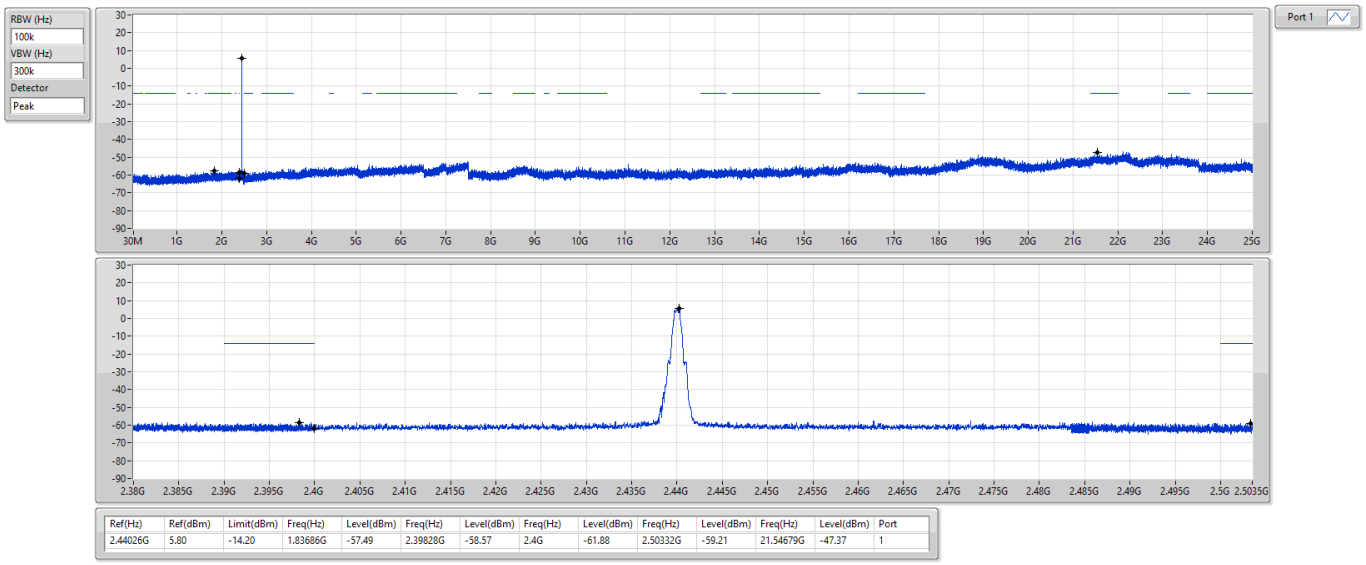
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40225G	6.60	-13.40	2.10681G	-56.87	2.39998G	-53.82	2.4G	-53.76	2.50058G	-58.38	21.96789G	-48.78	1

2.4-2.4835GHz_BT-LE(1Mbps) **CSENdB-DTS**

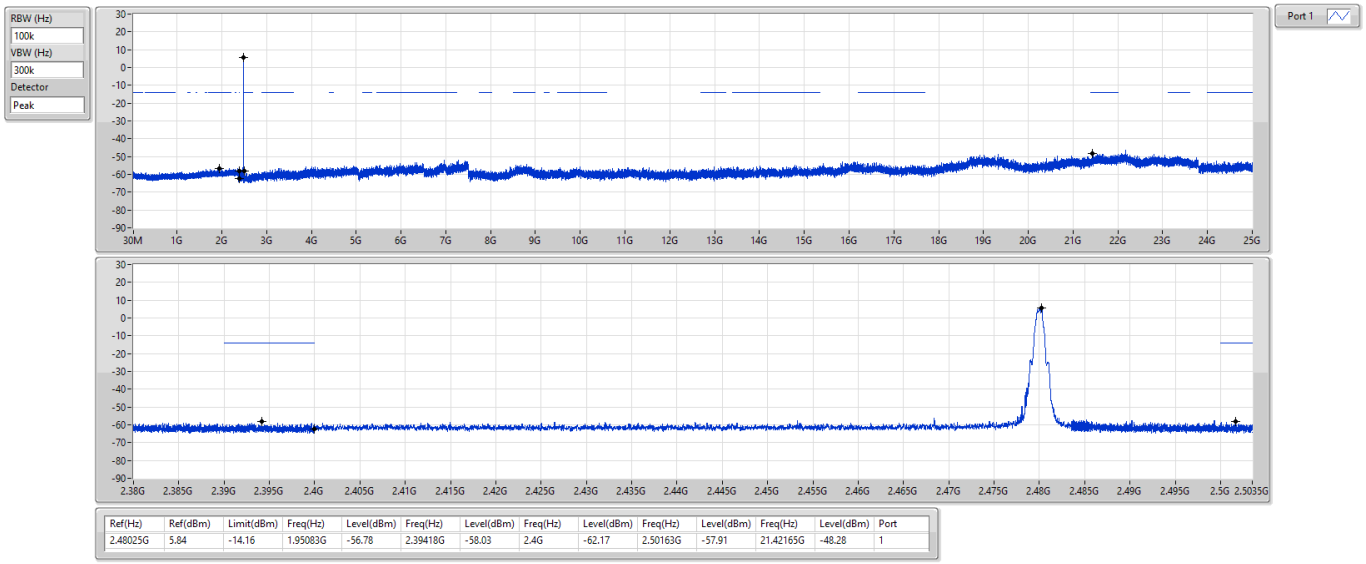
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44026G	5.80	-14.20	1.83686G	-57.49	2.39828G	-58.57	2.4G	-61.88	2.50332G	-59.21	21.54679G	-47.37	1

2.4-2.4835GHz_BT-LE(1Mbps) **CSENdB-DTS**

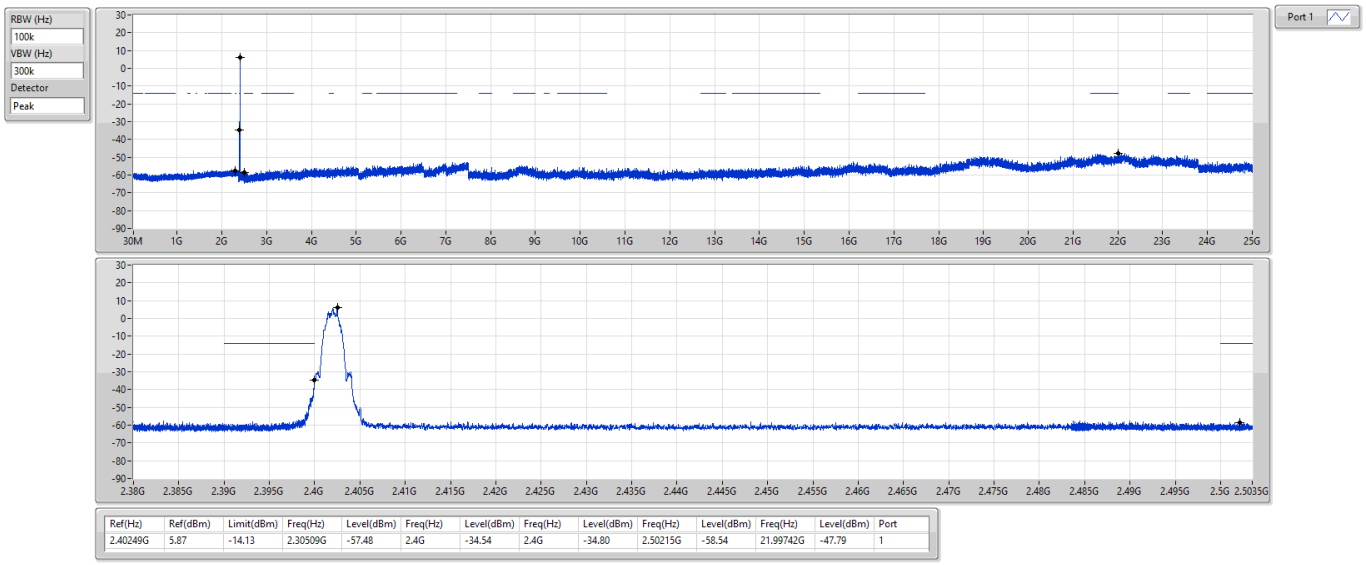
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48025G	5.84	-14.16	1.95083G	-56.78	2.39418G	-58.03	2.4G	-62.17	2.50163G	-57.91	21.42165G	-48.28	1

2.4-2.4835GHz_BT-LE(2Mbps) **CSENdB-DTS**

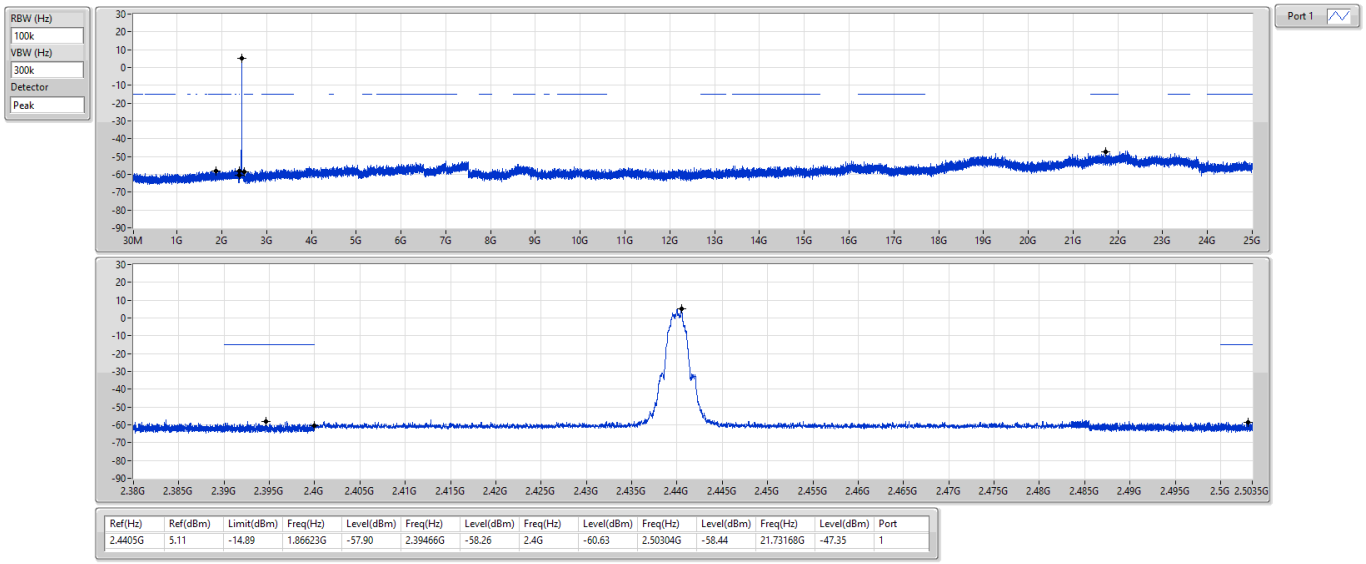
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40249G	5.87	-14.13	2.30509G	-57.48	2.4G	-34.54	2.4G	-34.80	2.50215G	-58.54	21.99742G	-47.79	1

2.4-2.4835GHz_BT-LE(2Mbps) **CSENdB-DTS**

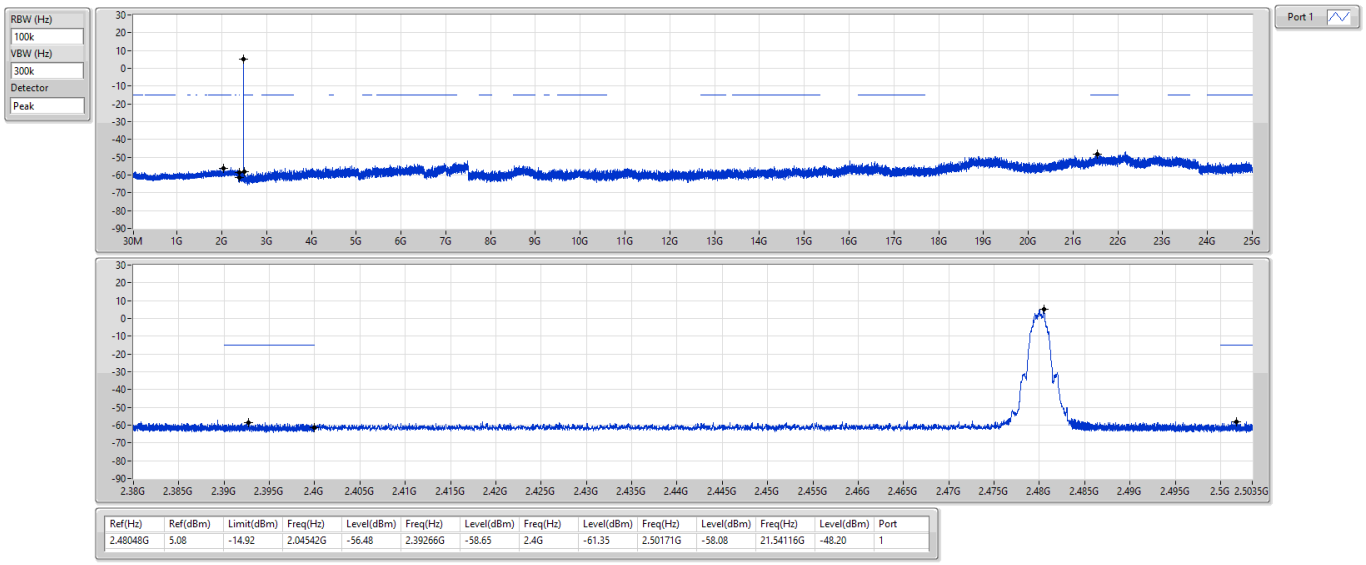
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4405G	5.11	-14.89	1.86623G	-57.90	2.39466G	-58.26	2.4G	-60.63	2.50304G	-58.44	21.73168G	-47.35	1

2.4-2.4835GHz_BT-LE(2Mbps) **CSENdB-DTS**

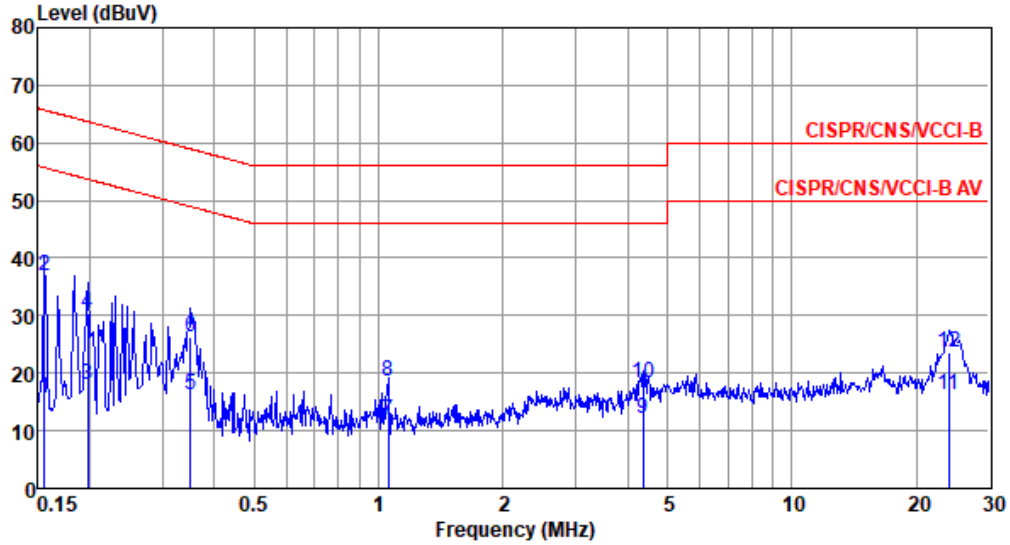
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48048G	5.08	-14.92	2.04542G	-56.48	2.39266G	-58.65	2.4G	-61.35	2.50171G	-58.08	21.54116G	-48.20	1

Modulation	BT-LE(2Mbps)	**Test Freq. (MHz)**	2402
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 64%

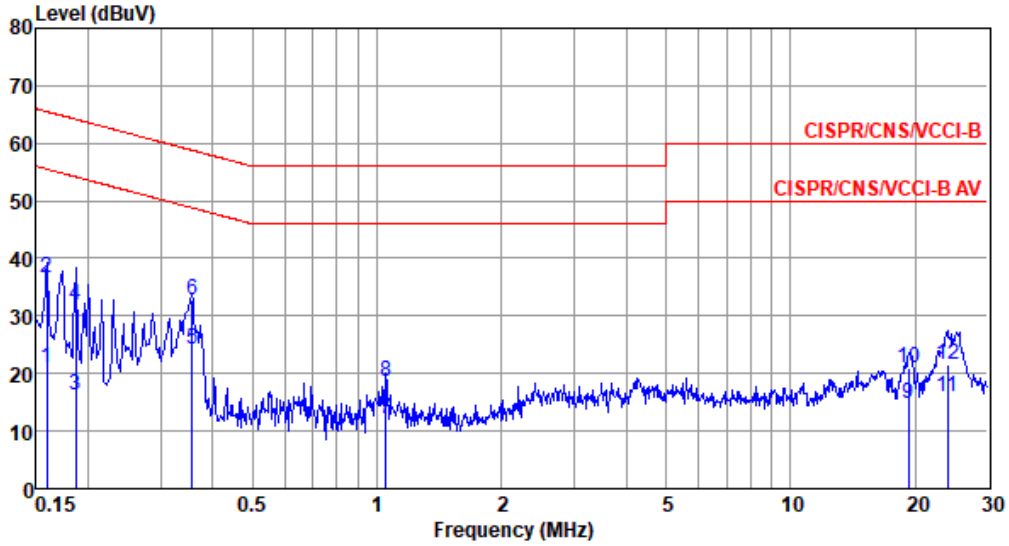


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.156	15.53	55.69	-40.16	5.69	9.65	0.03	0.16	Average
2*	0.156	37.02	65.69	-28.67	27.18	9.65	0.03	0.16	QP
3	0.198	17.91	53.71	-35.80	8.07	9.64	0.04	0.16	Average
4	0.198	30.37	63.71	-33.34	20.53	9.64	0.04	0.16	QP
5	0.350	16.22	48.96	-32.74	6.33	9.64	0.04	0.21	Average
6	0.350	26.22	58.96	-32.74	16.33	9.64	0.04	0.21	QP
7	1.054	11.76	46.00	-34.24	1.74	9.65	0.06	0.31	Average
8	1.054	18.52	56.00	-37.48	8.50	9.65	0.06	0.31	QP
9	4.361	11.98	46.00	-34.02	1.59	9.67	0.16	0.56	Average
10	4.361	18.31	56.00	-37.69	7.92	9.67	0.16	0.56	QP
11	24.015	16.35	50.00	-33.65	5.64	9.67	0.30	0.74	Average
12	24.015	23.60	60.00	-36.40	12.89	9.67	0.30	0.74	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	BT-LE(2Mbps)	**Test Freq. (MHz)**	2402
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 64%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.159	20.96	55.52	-34.56	11.05	9.64	0.03	0.24	Average
2	0.159	36.74	65.52	-28.78	26.83	9.64	0.03	0.24	QP
3	0.186	16.37	54.20	-37.83	6.41	9.64	0.04	0.28	Average
4	0.186	31.99	64.20	-32.21	22.03	9.64	0.04	0.28	QP
5*	0.358	24.07	48.78	-24.71	14.06	9.63	0.04	0.34	Average
6	0.358	32.77	58.78	-26.01	22.76	9.63	0.04	0.34	QP
7	1.049	12.10	46.00	-33.90	1.96	9.64	0.06	0.44	Average
8	1.049	18.50	56.00	-37.50	8.36	9.64	0.06	0.44	QP
9	19.326	14.87	50.00	-35.13	4.07	9.79	0.30	0.71	Average
10	19.326	21.04	60.00	-38.96	10.24	9.79	0.30	0.71	QP
11	24.015	15.90	50.00	-34.10	4.98	9.79	0.30	0.83	Average
12	24.015	21.57	60.00	-38.43	10.65	9.79	0.30	0.83	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).