RADIO TEST REPORT
ETSI EN 300 328 V2.2.2 (2019-07)

Product Name：	EcoFlow STREAM AC Pro
Trade Mark：	EF ECOFLOW, ECOFLOW
Model Name：	EF-EA-AC-P2K-1200
Family Model：	EF-EA-AC-P2K-800, EF-EA-AC-P2K-600, EF-EA-AC-2K-800
Report No.：	S25021305107002

Prepared for

EcoFlow Inc.

RM 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street, Bao'anDistrict,ShenzhenCity,Guangdong Province, P.R.China

Prepared by

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Tel. 0755-23200050 Website:http://www.ntek.org.cn

TEST RESULT CERTIFICATION

Applicant's name .....: EcoFlow Inc.

Address .....: RM 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street,Bao'anDistrict, ShenzhenCity,Guangdong Province, P.R.China

Manufacturer's Name .....: EcoFlow Inc.

Address .....: RM 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street,Bao'anDistrict, ShenzhenCity,Guangdong Province, P.R.China

Product description

Product name .....: EcoFlow STREAM AC Pro

Trademark .....: EF ECOFLOW, ECOFLOW

Model Name .....: EF-EA-AC-P2K-1200

Family Model .....: EF-EA-AC-P2K-800, EF-EA-AC-P2K-600, EF-EA-AC-2K-800

Standards .....: ETSI EN 300 328 V2.2.2 (2019-07)

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the of Radio Equipment Regulations (SI 2017/1206) requirements. And it is applicable only to the tested sample identified in the report.

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Test Sample Number .....: S250213051008

Date of Test.....

Date (s) of performance of tests .....: Feb. 13, 2025 ~ Feb. 28, 2025

Date of Issue.....: Feb. 28, 2025

Test Result .....: **Pass**

Prepared By:	Reviewed By:	Approved By:
Allen Liu	Aaron Cheng	Alex Li
(Project Engineer)	(Supervisor)	(Manager)

Table of Contents **Page**

Table of Contents **Page**

Revision History

Report No.	Version	Description	Issued Date
S25021305107002	Rev.01	Initial issue of report	Feb. 28, 2025

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

Equipment	EcoFlow STREAM AC Pro
Trade Mark	EF ECOFLOW, ECOFLOW
Model Name.	EF-EA-AC-P2K-1200
Family Model	EF-EA-AC-P2K-800, EF-EA-AC-P2K-600, EF-EA-AC-2K-800
Model Difference	All models are the same circuit and RF module, except model's name, power.
Product Description	The EUT is EcoFlow STREAM AC Pro

Operation Frequency:	2402~2480 MHz
Modulation Type:	GFSK
Adaptive/non-adaptive	Adaptive equipment
Receiver categories	2
Number Of Channel	Please see Note 2.
Antenna Designation:	PCB Antenna
Antenna Gain(Peak)	ANT 1: 3.87dBi; ANT 2: 6.17dBi

Channel List	Refer to below
Adapter	N/A
Battery	DC 19.2V, 1.92KWh
Power Rating	1. PV input: 4 channels 15-60Vdc, single channel 16A Max, 500W Max. 4 channels totaling 2000W Max. 2. AC parallel interface: 1 channel 184-264Vac, 10A, 2300W; 3. AC grid connection interface: 1 channel Grid connected output: 184-264Vac, 3.5A, 800W; Grid input: 184-264Vac, 10A, 2300W; 4. AC load output: 2 channels, with a total output of 2300W for both channels. If one channel carries 2300W, the other channel cannot carry the load; Inverter output: 184-264Vac, 5.3A, 1200W; Bypass output: 184-264Vac, 10A, 2300W
I/O Ports	Refer to users manual
Hardware Version	N/A
Firmware version:	N/A
Software Version	N/A

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

Channel	Frequency (MHz)
00	2402
01	2404
……	……
……	…….
38	2478
39	2480

1.2 INFORMATION ABOUT THE EUT

a) The type of modulation used by the equipment:

☐ FHSS

☒ other forms of modulation

b) In case of FHSS modulation:

● In case of non-Adaptive Frequency Hopping equipment:

The number of Hopping Frequencies:

● In case of Adaptive Frequency Hopping Equipment:

The maximum number of Hopping Frequencies:

The minimum number of Hopping Frequencies:

● The (average) Dwell Time:

c) Adaptive / non-adaptive equipment:

☐ non-adaptive Equipment

☒ adaptive Equipment without the possibility to switch to a non-adaptive mode

☐ adaptive Equipment which can also operate in a non-adaptive mode

d) In case of adaptive equipment:

The maximum Channel Occupancy Time implemented by the equipment: ./. ms

☒ The equipment has implemented an LBT based DAA mechanism

● In case of equipment using modulation different from FHSS:

☐ The equipment is Frame Based equipment

☒ The equipment is Load Based equipment

☐ The equipment can switch dynamically between Frame Based and Load Based equipment

The CCA time implemented by the equipment: / μs

☐ The equipment has implemented a non-LBT based DAA mechanism

☐ The equipment can operate in more than one adaptive mode

e) In case of non-adaptive Equipment:

The maximum RF Output Power (e.i.r.p.):

The maximum (corresponding) Duty Cycle:

Equipment with dynamic behaviour, that behaviour is described here. (e.g. the different combinations of duty cycle and corresponding power levels to be declared):

f) The worst case operational mode for each of the following tests:

- RF Output Power

  GFSK
- Power Spectral Density

  GFSK
- Duty cycle, Tx-Sequence, Tx-gap

  N/A
- Accumulated Transmit time, Frequency Occupation & Hopping Sequence (only for FHSS equipment)

  N/A
- Hopping Frequency Separation (only for FHSS equipment)

  N/A
- Medium Utilization

  N/A
- Adaptivity

  N/A
- Receiver Blocking

  GFSK
- Nominal Channel Bandwidth

  GFSK
- Transmitter unwanted emissions in the OOB domain

  GFSK
- Transmitter unwanted emissions in the spurious domain

  GFSK
- Receiver spurious emissions

  GFSK

g) The different transmit operating modes (tick all that apply):

☒ Operating mode 1: Single Antenna Equipment

☒ Equipment with only one antenna

☐ Equipment with two diversity antennas but only one antenna active at any moment in time

☐ Smart Antenna Systems with two or more antennas, but operating in a (legacy) mode where only one antenna is used (e.g. IEEE 802.11™ [i.3] legacy mode in smart antenna systems)

☐ Operating mode 2: Smart Antenna Systems - Multiple Antennas without beam forming

☐ Single spatial stream / Standard throughput / (e.g. IEEE 802.11™ [i.3] legacy mode)

☐ High Throughput (> 1 spatial stream) using Nominal Channel Bandwidth 1

☐ High Throughput (> 1 spatial stream) using Nominal Channel Bandwidth 2

NOTE 1: Add more lines if more channel bandwidths are supported.

☐ Operating mode 3: Smart Antenna Systems - Multiple Antennas with beam forming

☐ Single spatial stream / Standard throughput (e.g. IEEE 802.11™ [i.3] legacy mode)

☐ High Throughput (> 1 spatial stream) using Nominal Channel Bandwidth 1

☐ High Throughput (> 1 spatial stream) using Nominal Channel Bandwidth 2

NOTE 2: Add more lines if more channel bandwidths are supported.

h) In case of Smart Antenna Systems:

- The number of Receive chains: .....
- The number of Transmit chains: .....

☐ symmetrical power distribution

☐ asymmetrical power distribution

In case of beam forming, the maximum (additional) beam forming gain: ..... dB

NOTE: The additional beam forming gain does not include the basic gain of a single antenna.

i) Operating Frequency Range(s) of the equipment:

- Operating Frequency Range 1: 2402 MHz to 2480 MHz
- Operating Frequency Range 2: ..... MHz to ..... MHz

NOTE: Add more lines if more Frequency Ranges are supported.

j) Nominal Channel Bandwidth(s):

- Nominal Channel Bandwidth 1: 1.029MHz (ANT1), 1.029MHz (ANT2) (1M)
- Nominal Channel Bandwidth 2: 2.074MHz (ANT1), 2.074MHz (ANT2) (2M)

NOTE: Add more lines if more channel bandwidths are supported.

k) Type of Equipment (stand-alone, combined, plug-in radio device, etc.):

☒ Stand-alone

☐ Combined Equipment (Equipment where the radio part is fully integrated within another type of equipment)

☐ Plug-in radio device (Equipment intended for a variety of host systems)

☐ Other

l) The normal and the extreme operating conditions that apply to the equipment:

Normal operating conditions (if applicable):

Operating temperature: 15℃~35℃

Other (please specify if applicable): ……

Extreme operating conditions:

Operating temperature range: Minimum: -10℃ Maximum 40℃

Other (please specify if applicable): …… Minimum: …… Maximum ……

Details provided are for the:

☒ stand-alone equipment

☐ combined (or host) equipment

☐ test jig

m) The intended combination(s) of the radio equipment power settings and one or more antenna assemblies and their corresponding e.i.r.p. levels:

- Antenna Type: PCB Antenna

☒ Integral Antenna (information to be provided in case of conducted measurements)

Antenna Gain: ANT1:3.87 dBi, ANT2:6.17 dBi

If applicable, additional beamforming gain (excluding basic antenna gain): ..... dB

☐ Temporary RF connector provided

☐ No temporary RF connector provided

☐ Dedicated Antennas (equipment with antenna connector)

☐ Single power level with corresponding antenna(s)

☐ Multiple power settings and corresponding antenna(s)

Number of different Power Levels: .....

Power Level 1: ..... dBm

Power Level 2: ..... dBm

Power Level 3: ..... dBm

NOTE 1: Add more lines in case the equipment has more power levels.

NOTE 2: These power levels are conducted power levels (at antenna connector).

●For each of the Power Levels, provide the intended antenna assemblies, their corresponding gains (G) and the resulting e.i.r.p. levels also taking into account the beamforming gain (Y) if applicable

Power Level 1: ..... dBm

Number of antenna assemblies provided for this power level: .....

Assembly #	**Gain (dBi)**	**e.i.r.p. (dBm)**	**Part number or model name**
1M (ANT1)	3.87	5.56	
1M (ANT2)	6.17	7.17	
2M (ANT1)	3.87	4.42	
2M (ANT2)	6.17	7.08	

NOTE 3: Add more rows in case more antenna assemblies are supported for this power level.

Power Level 2: ..... dBm

Number of antenna assemblies provided for this power level: .....

Assembly #	**Gain (dBi)**	**e.i.r.p. (dBm)**	**Part number or model name**
1			
2			
3			

NOTE 4: Add more rows in case more antenna assemblies are supported for this power level.

Power Level 3: ..... dBm

Number of antenna assemblies provided for this power level: .....

Assembly #	Gain (dBi)	e.i.r.p. (dBm)	Part number or model name
1			
2			
3			

NOTE 5: Add more rows in case more antenna assemblies are supported for this power level.

n) The nominal voltages of the stand-alone radio equipment or the nominal voltages of the combined (host) equipment or test jig in case of plug-in devices:

Details provided are for the:

☒ stand-alone equipment

☐ combined (or host) equipment

☐ test jig

Supply Voltage ☒ AC mains State AC voltage: AC 230V

☐ DC State DC voltage:

In case of DC, indicate the type of power source

☐ Internal Power Supply

☐ External Power Supply or AC/DC adapter:

☒ Battery: DC 19.2V

☐ Other: .....

o) Describe the test modes available which can facilitate testing:

See clause 1.3

p) The equipment type (e.g. Bluetooth®, IEEE 802.11™ [i.3], IEEE 802.15.4™ [i.4], proprietary, etc.):

Bluetooth®

q) If applicable, the statistical analysis referred to in clause 5.4.1 q)

(to be provided as separate attachment)

r) If applicable, the statistical analysis referred to in clause 5.4.1 r)

(to be provided as separate attachment)

s) Geo-location capability supported by the equipment:

☐ Yes

☐ The geographical location determined by the equipment as defined in clause 4.3.1.13.2 or clause 4.3.2.12.2 is not accessible to the user

☒ No

t) Describe the minimum performance criteria that apply to the equipment (see clause 4.3.1.12.3 or clause 4.3.2.11.3):

GFSK(CH00)=0.99%(1M); GFSK(CH39)=0.98%(2M)

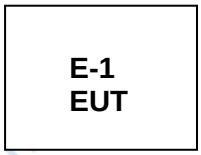
1.3 TEST CONDITIONS AND CHANNEL

	Normal Test Conditions	Extreme Test Conditions
Temperature	15℃ - 35℃	40℃ ~ -10℃ Note: (1)
Relative Humidity	20% - 75%	N/A
Supply Voltage	DC 19.2V	/

Test Channel	EUT Channel	Test Frequency (MHz)
Lowest	CH00	2402
Middle	CH19	2440
Highest	CH39	2480

Note:
(1) The HT 40℃ and LT -10℃ was declarated by manufacturer, The EUT couldn't be operate normally with higher or lower temperature.
(2) The measurements are performed at the highest, middle, lowest available channels.

1.4 DESCRIPTION OF TEST CONDITIONS



1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note
E-1	EcoFlow STREAM AC Pro	EF-EA-AC-P2K-1200	N/A	EUT

Item	Type	Shielded Type	Ferrite Core	Length	Note

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

1.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

EQUIPMENT TYPE	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
EMI Test Receiver	R&S	ESPI7	101318	2024.04.26	2025.04.25	1 year
Bilog Antenna	TESEQ	CBL6111D	31216	2024.05.12	2025.05.11	1 year
Turn Table	EM	SC100_1	60531	N/A	N/A	N/A
Antnna Mast	EM	SC100	N/A	N/A	N/A	N/A
Horn Antenna	EM	EM-AH-10180	2011071402	2024.05.12	2027.05.11	3 year
Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2024.05.12	2027.05.11	3 year
Test Cable (30MHz-1GHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
Test Cable (1-18GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
Pre-Amplifier	EMC	EMC051835SE	980246	2024.04.25	2025.04.24	1 year
Spectrum Analyzer	Agilent	E4440A	MY41000130	2024.04.26	2025.04.25	1 year
Filter	TRILTHIC	2400MHz	29	2024.04.26	2027.04.25	3 year
Attenuator	Weinschel	33-10-33	AR4010	2024.04.25	2027.04.24	3 year
Attenuator	Weinschel	24-20-34	BP4485	2024.04.25	2027.04.24	3 year
MXA Signal Analyzer	Agilent	N9020A	MY49100060	2024.04.25	2025.04.24	1 year
ESG VETCTOR SIGNAL GENERAROR	Agilent	E4438C	MY45093347	2024.04.26	2025.04.25	1 year
Power Splitter	Mini-Circuits/ USA	ZN2PD-63-S+	SF025101428	2024.04.26	2027.04.25	3 year
Coupler	Mini-Circuits	ZADC-10-63-S +	SF794101410	2024.04.26	2027.04.25	3 year
Directional Coupler	MCLI/USA	CB11-20	0D2L51502	2024.04.26	2027.04.25	3 year
Attenuator	Agilent	8495B	MY42147029	2024.04.26	2027.04.25	3 year
Power Meter	DARE	RPR3006W	15I00041SNO 84	2024.04.25	2025.04.24	1 year
MXG Vector Signal Generator	Agilent	N5182A	MY47070317	2024.04.25	2025.04.24	1 year
Wideband Radio Communication Tester Specifications	R&S	CMW500	148500	2024.05.30	2025.05.29	1 year
temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:
We will use the temporary antenna connector (soldered on the PCB board) When conducted test
And this temporary antenna connector is listed within the instrument list

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFtest	MTS 8310 2.4GHz/5GHz	2.0	RF Conducted Test
2	Farad	EZ-EMC_RE	AIT-03A	RadiatedTest
3	raditeq	RadiMation	2023.1.3	RadiatedTest

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

ETSI EN 300 328 V2.2.2 (2019-07)		
Clause	Test Item	Results
TRANSMITTER PARAMETERS		
4.3.2.2	RF Output Power	Pass
4.3.2.3	Power Spectral Density	Pass
4.3.2.4	Duty cycle, Tx-Sequence, Tx-gap	Not Applicable (See Note 1/2)
4.3.2.5	Medium Utilization (MU) factor	Not Applicable (See Note 1/2)
4.3.2.6	Adaptivity	Not Applicable (See Note 1)
4.3.2.7	Occupied Channel Bandwidth	Pass
4.3.2.8	Transmitter unwanted emission in the OOB domain	Pass
4.3.2.9	Transmitter unwanted emissions in the spurious domain	Pass
RECEIVER PARAMETERS		
4.3.2.10	Receiver Spurious Emissions	Pass
4.3.2.11	Receiver Blocking	Pass

Note:

1. These requirements do not apply for equipment with a maximum declared RF output power of less than 10 dBm EIRP or for equipment when operating in a mode where the RF output power is less than 10 dBm EIRP.
2. These requirements apply to non-adaptive frequency hopping equipment or to adaptive frequency hopping equipment operating in a non-adaptive mode
3. The antenna gain provided by customer is used to calculate the EIRP result. NTEK is not responsible for the accuracy of antenna gain parameter.

2.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd.
Add. : No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China
FCC Registered No.: 463705 IC Registered No.:9270A
CNAS Registration No.:L5516

2.2 MEASUREMENT UNCERTAINTY

For the test methods, according to ETSI EN 300 328 standard, the measurement uncertainty figures shall be calculated in accordance with ETR 100 028-1[4] and shall correspond to an expansion factor(coverage factor) k=1.96 or k=2 (which provide confidence levels of respectively **95** % and **95.45** % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Measurement uncertainty

No.	Item	Uncertainty (P=95)
1	Occupied Channel Bandwidth	± 4.7%
2	RF output Power,conducted	± 0.9dB
3	Power Spectral Density, conducted	± 2.6dB
4	Unwanted emissions, conducted	± 2.2dB
5	All emissions,radiated	± 5.3dB
6	Temperature	± 0.5°C
7	Humidity	± 2.0%
8	Time	± 1.0%

3. TEST PROCEDURES AND RESUTLS

3.1 EQUIVALENT ISOTROPIC RADIATED POWER

3.1.1 LIMITS OF EQUIVALENT ISOTROPIC RADIATED POWER

Refer to chapter 4.3.2.2.3 of ETSI EN 300 328 V2.2.2 (2019-07)

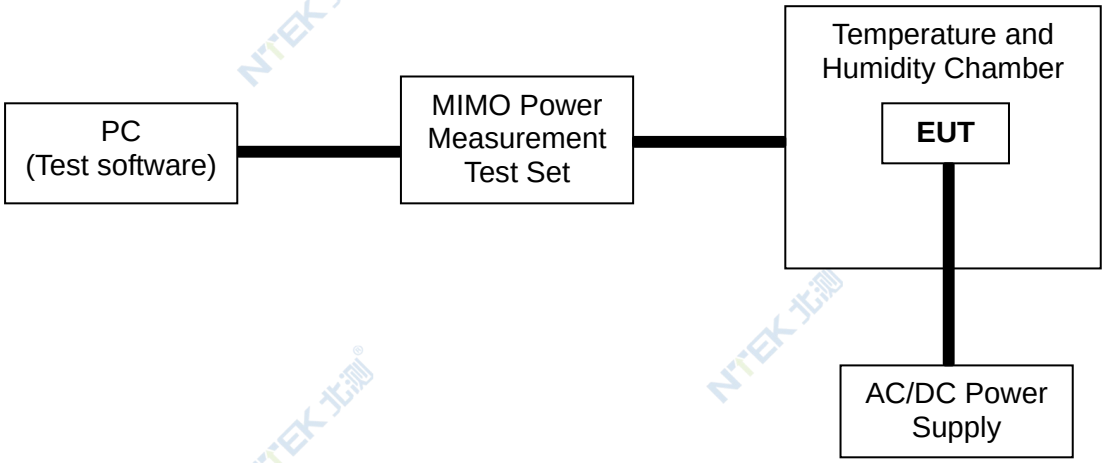
RF OUTPUT POWER	
Condition	Limit
☐ Non-adaptive wide band modulations systems	Equal to or less than the value declared by the supplier. This declared value shall be equal to or less than 20 dBm.
☒ Adaptive wide band modulations systems	≤20dBm

3.1.2 TEST PROCEDURE

Refer to chapter 5.4.2.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☐Radiated measurement

3.1.3 TEST SETUP



3.1.4 TEST RESULTS

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	20℃	Relative Humidity：	55 %
Pressure：	1012 hPa	Test Voltage ：	DC 19.2V
Test Mode ：	TX Low channel / Middle Channel / High Channel		

Test data reference attachment

3.2. PEAK POWER DENSITY

3.2.1 LIMITS OF POWER SPECTRAL DENSITY

Refer to chapter 4.3.2.3.3 of ETSI EN 300 328 V2.2.2 (2019-07)

RF OUTPUT POWER	
Condition	Limit
For equipment using wide band modulations other than FHSS	≤10 dBm/MHz

3.2.2 TEST PROCEDURE

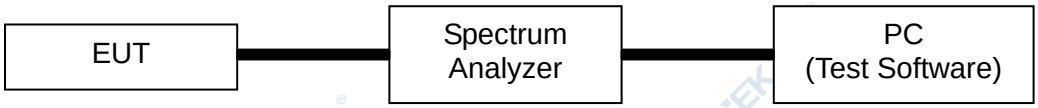
Refer to chapter 5.4.3.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☐Radiated measurement

The setting of the Spectrum Analyzer

Start Frequency	2400MHz
Stop Frequency	2483.5MHz
Detector	RMS
Sweep Point	> 8 350; for spectrum analysers not supporting this number of sweep points, the frequency band may be segmented
Sweep time:	For non-continuous transmissions: 2 × Channel Occupancy Time × number of sweep points For continuous transmissions: 10 s; the sweep time may be increased further until a value where the sweep time has no further impact anymore on the RMS value of the signal.
RBW / VBW	10KHz / 30KHz

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	26℃	Relative Humidity：	60 %
Pressure：	1012 hPa	Test Voltage ：	DC 19.2V
Test Mode ：	TX-GFSK(CH00/CH19/CH39)		

Test data reference attachment

3.3. OCCUPIED CHANNEL BANDWIDTH

3.3.1 LIMITS OF OCCUPIED CHANNEL BANDWIDTH

Refer to chapter 4.3.2.7.3 of ETSI EN 300 328 V2.2.2 (2019-07)

OCCUPIED CHANNEL BANDWIDTH		
Condition		Limit
All types of equipment using wide band modulations other than FHSS		Shall fall completely within the band 2400 to 2483.5 MHz
Additional requirement	For non-adaptive using wide band modulations other than FHSS system and E.I.R.P >10 dBm	Less than 20 MHz
	For non-adaptive frequency hopping system and E.I.R.P >10 dBm	Less than 5 MHz

3.3.2 TEST PROCEDURE

Refer to chapter 5.4.7.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☐Radiated measurement

The setting of the Spectrum Analyzer

Center Frequency	The centre frequency of the channel under test
Frequency Span	2 × Nominal Channel Bandwidth
Detector	RMS
RBW	~ 1 % of the span without going below 1 %
VBW	3 × RBW
Trace	Max hold
Sweep time	1s

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP

These measurements only were performed at normal test conditions. The measurement shall be performed only on the lowest and the highest frequency within the ststed frequency range. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator. Controlling software has been activated to set the EUT on specific status.

3.3.5 TEST RESULTS

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	26℃	Relative Humidity：	60 %
Pressure：	1012 hPa	Test Voltage ：	DC 19.2V
Test Mode ：	TX-GFSK(CH00/CH19/CH39)		

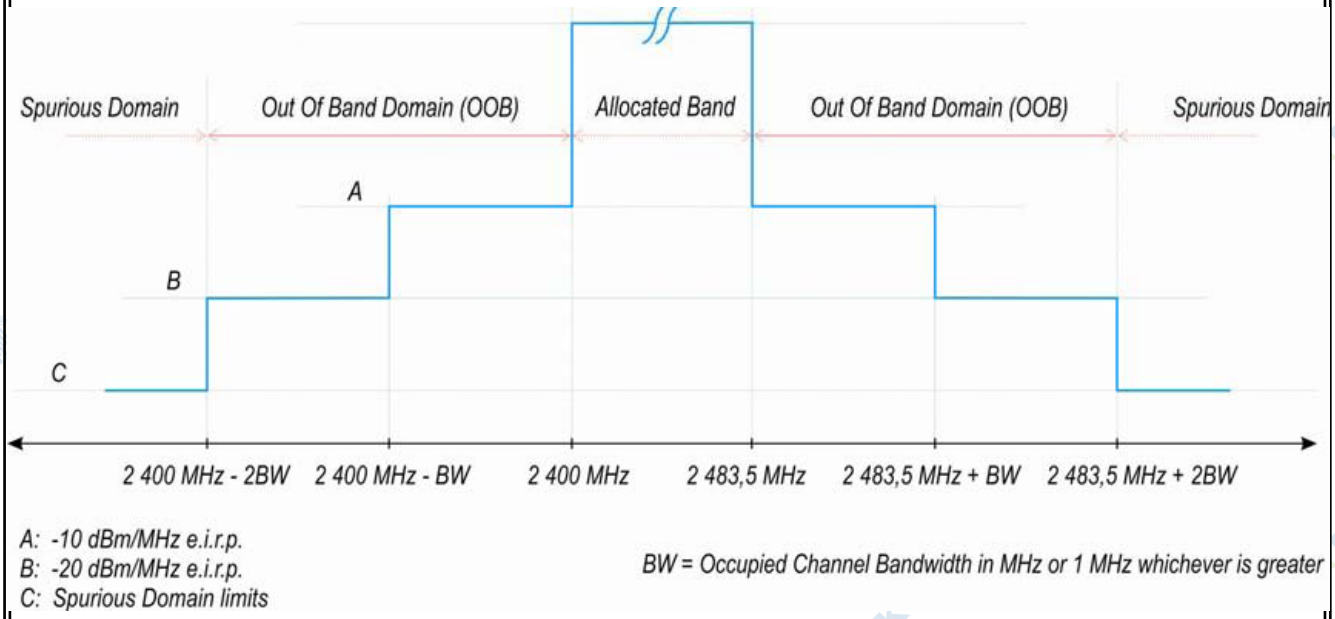
Test data reference attachment

3.4. TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN

3.4.1 LIMITS OF TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN

Refer to chapter 4.3.2.8.3 of ETSI EN 300 328 V2.2.2 (2019-07)

TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN	
Condition	Limit
Under all test conditions	The transmitter unwanted emissions in the out-of-band domain but outside the allocated band, shall not exceed the values provided by the mask in below figure.



A: -10 dBm/MHz e.i.r.p.
B: -20 dBm/MHz e.i.r.p.
C: Spurious Domain limits

BW = Occupied Channel Bandwidth in MHz or 1 MHz whichever is greater

3.4.2 TEST PROCEDURE

Refer to chapter 5.4.8.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☐Radiated measurement

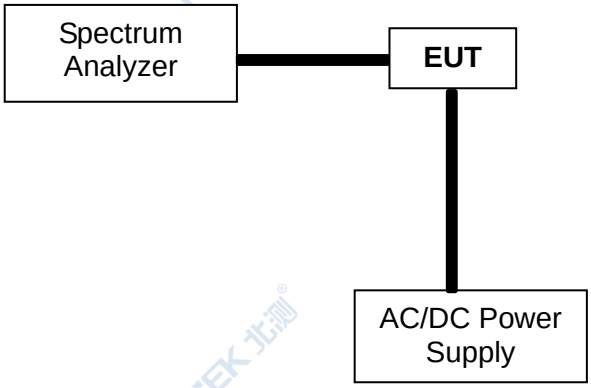
The setting of the Spectrum Analyzer

Span	0Hz
Filter Mode	Channel Filter
Trace Mode	Max Hold
Trigger Mode	Video trigger; in case video triggering is not possible, an external trigger source may be used
Detector	RMS
Sweep Point / Sweep Mode	Sweep Time [s] / (1 µs) or 5 000 whichever is greater/ Continuous
RBW / VBW	1MHz / 3MHz

3.4.3 DEVIATION FROM TEST STANDARD

No deviation

3.4.4 TEST SETUP



According to the ETSI EN 300328 V2.2.2 clause 5.4.8.1: These measurements shall only be performed at normal test conditions. For equipment using FHSS modulation, the measurements shall be performed during normal operation (hopping).

For equipment using wide band modulations other than FHSS, the measurement shall be performed at the lowest and the highest channel on which the equipment can operate. These operating channels shall be recorded.

The equipment shall be configured to operate under its worst case situation with respect to output power.

If the equipment can operate with different Nominal Channel Bandwidths (e.g. 20 MHz and 40 MHz), then each channel bandwidth shall be tested separately.

3.4.5 TEST RESULTS

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Power ：	DC 19.2V
Test Mode ：	TX-GFSK(CH00/CH39)		

Test data reference attachment

3.5. ADAPTIVE (CHANNEL ACCESS MECHANISM)

3.5.1 APPLICABILITY OF ADAPTIVE REQUIREMENTS AND LILIT FOR WIDE BAND MODULATION TECHNIQUES

Refer to chapter ETSI EN 300 328 V2.2.2 (2019-07)

Requirement	Operational Mode			
	☐Non-LBT based Detect and Avoid	☐LBT based Detect and Avoid		
		☐Frame Based Equipment	☐Load Based Equipment (CCA using 'energy detect')	☐Load Based Equipment (CCA not using any of the mechanisms referenced as note 2)
Minimum Clear Channel Assessment (CCA) Time	NA	not less than 18 us (see note 1)	(see note 2)	not less than 18 us (see note 1)
Maximum Channel Occupancy (COT) Time	＜40 ms	1ms to 10 ms	(see note 2)	(13/32)*q ms (see note 3)
Minimum Idle Period	5 % minimum of 100 μs	5% of COT	(see note 2)	NA
Extended CCA check	NA	NA	(see note 2)	R*CCA (see note 4)
Short Control Signalling Transmissions	Maximum duty cycle of 10% within an observation period of 50 ms (see note 5)			

Note 1: The CCA time used by the equipment shall be declared by the supplier.
Note 2: Load Based Equipment may implement an LBT based spectrum sharing mechanism based on the Clear Channel Assessment (CCA) mode using energy detect as described in IEEE 802.11™-2012 [i.3], clause 9, clause 10, clause 16, clause 17, clause 19 and clause 20, or in IEEE 802.15.4™-2011 [i.4], clause 4, clause 5 and clause 8 providing the equipment complies with the conformance requirements referred to in clause 4.3.2.6.3.4.
Note 3: q is selected by the manufacturer in the range [4…32]
Note 4: The value of R shall be randomly selected in the range [1…q]
Note 5: Adaptive equipment may or may not have Short Control Signaling Transmissions.

Interference threshold level

The detection threshold shall be proportional to the transmit power of the transmitter: for a 20 dBm e.i.r.p. transmitter the detection threshold level (TL) shall be equal to or less than -70 dBm/MHz at the input to the receiver assuming a 0 dBi (receive) antenna assembly. This threshold level (TL) may be corrected for the (receive) antenna assembly gain (G); however, beamforming gain (Y) shall not be taken into account. For power levels less than 20 dBm e.i.r.p., the detection threshold level may be relaxed to:

TL = -70 dBm/MHz + 10 × log10 (100 mW / Pout) (Pout in mW e.i.r.p.)

Table 9: Unwanted Signal parameters

Wanted signal mean power from companion device (dBm)	Unwanted signal frequency (MHz)	Unwanted CW signal power (dBm)
-30/ sufficient to maintain the link(see note 2)	2 395 or 2 488,5 (see note 1)	-35 (see note 2)
NOTE 1: The highest frequency shall be used for testing operating channels within the range 2 400 MHz to 2 442 MHz, while the lowest frequency shall be used for testing operating channels within the range 2 442 MHz to 2 483,5 MHz. See clause 5.4.6.1. NOTE 2: A typical value which can be used in most cases is -50 dBm/MHz. NOTE 3: The level specified is the level in front of the UUT antenna. In case of conducted measurements, this level has to be corrected by the actual antenna assembly gain.		

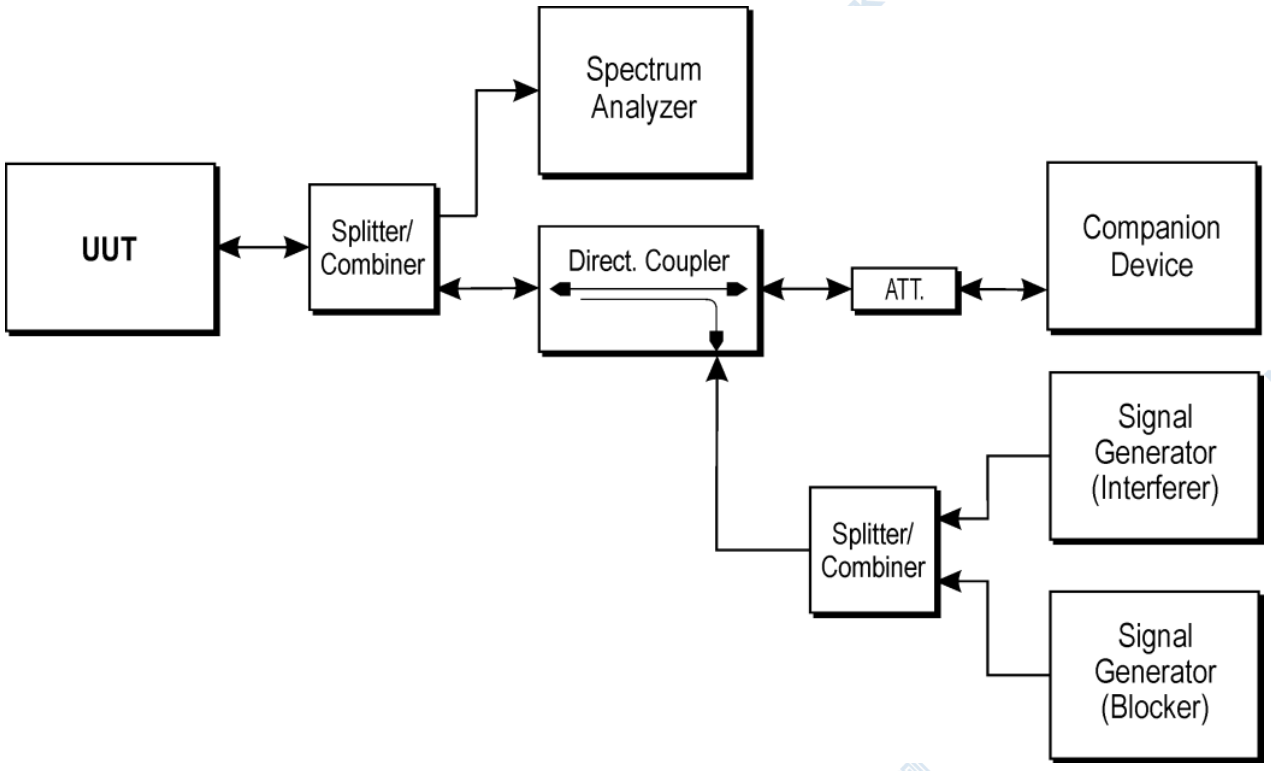
3.5.2 TEST PROCEDURE

Refer to chapter 5.4.6.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☐Radiated measurement

Test method please refer to the 5.4.6.2.1.4 of ETSI EN 300 328 V2.2.2 (2019-07)

3.5.3 TEST SETUP CONFIGURATION



3.5.4 LIST OF MEASUREMENTS

UUT operational Mode		
Frame Based Equipment	Load Based Equipment (CCA using 'energy detect')	Load Based Equipment (CCA not using any of the mechanisms referenced)
	V	

Clause	Test Parameter	Remarks	PASS/FAIL
4.3.2.5.2.2.1	Adaptive (Frame Based Equipment)	Not Applicable	N/A
4.3.2.5.2.2.2	Adaptive (Load Based Equipment)	N/A	N/A
4.3.2.5.3	Short Control Signaling Transmissions	N/A	N/A

3.5.5 TEST RESULTS

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Power ：	N/A
Test Mode ：	N/A		

Note: Not Applicable

3.6. TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN

3.6.1 LIMITS OF TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN

Refer to chapter 4.3.2.9.3 of ETSI EN 300 328 V2.2.2 (2019-07)

TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN		
Frequency Range	Maximum Power Limit (E.R.P.(≤1 GHz) E.I.R.P.(> 1 GHz))	Bandwidth
30 MHz to 47 MHz	-36dBm	100 kHz
47 MHz to 74 MHz	-54dBm	100 kHz
74 MHz to 87.5 MHz	-36dBm	100 kHz
87.5 MHz to 118 MHz	-54dBm	100 kHz
118 MHz to 174 MHz	-36dBm	100 kHz
174 MHz to 230 MHz	-54dBm	100 kHz
230 MHz to 470 MHz	-36dBm	100 kHz
470 MHz to 694 MHz	-54dBm	100 kHz
694 MHz to 1 GHz	-36dBm	100 kHz
1 GHz ~ 12.75 GHz	-30dBm	1 MHz

3.6.2 TEST PROCEDURE

Refer to chapter 5.4.9.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☒Radiated measurement

The setting of the Spectrum Analyzer

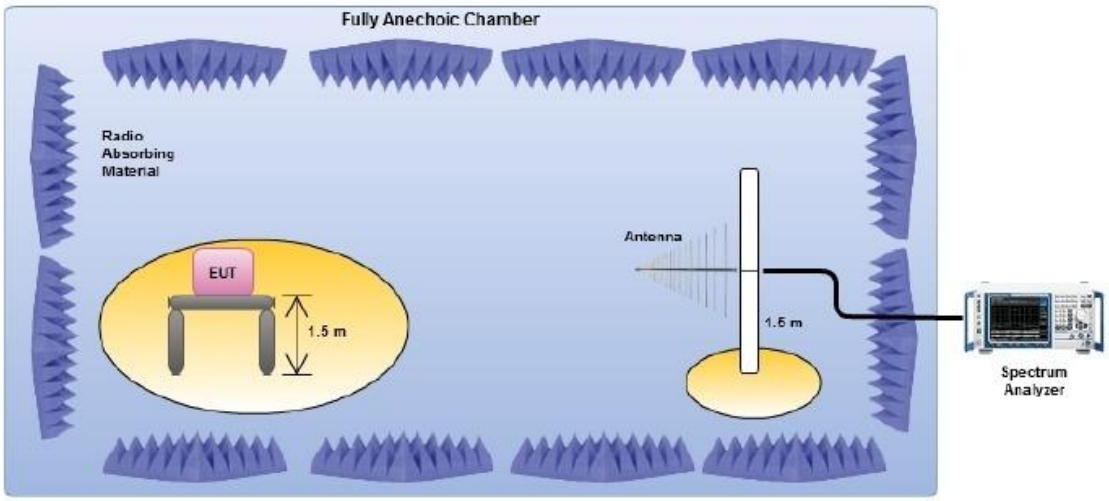
RBW	100K(＜1GHz) / 1M(＞1GHz)
VBW	300K(＜1GHz) / 3M(＞1GHz)

3.6.3 DEVIATION FROM TEST STANDARD

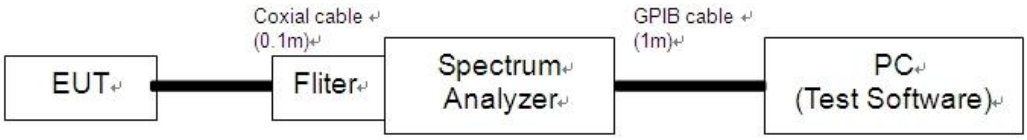
No deviation

3.6.4 TEST SETUP

Radiated measurement:



Conducted measurement:



1. For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration).

2. The measurements were performed when normal hopping was disabled. In this case measurements were performed when operating at the lowest and the highest hopping frequency.

3. The equipment was configured to operate under its worst case situation with respect to output power.

4. The test setup has been constructed as the normal use condition. Controlling software has been activated to set the EUT on specific status.

3.6.5 TEST RESULTS(Radiated measurement)

BELOW 1 GHz WORST- CASE DATA(30 MHz ~ 1GHz)

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	24℃	Relative Humidity：	57 %
Pressure：	1012 hPa	Test Voltage ：	DC 19.2V
Test Mode ：	TX--GFSK(CH19)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
V	31.866	-56.04	11.08	-44.96	-36	-8.96	peak
V	95.478	-74.46	9.95	-64.51	-54	-10.51	peak
V	176.457	-73.24	11.04	-62.20	-54	-8.20	peak
V	421.893	-57.65	9.57	-48.08	-36	-12.08	peak
V	497.876	-76.27	10.86	-65.41	-54	-11.41	peak
H	35.875	-54.26	10.51	-43.75	-36	-7.75	peak
H	111.923	-73.06	9.86	-63.20	-54	-9.20	peak
H	175.155	-77.75	9.67	-68.08	-54	-14.08	peak
H	456.819	-63.82	11.36	-52.46	-36	-16.46	peak
H	548.42	-76.7	10.32	-66.38	-54	-12.38	peak

Remark:
1.Emission Level= Meter Reading+ Factor, Margin= Limit- Emission Level.
2.All the modes had been tested, but only the worst data recorded in the report.

ABOVE 1 GHz WORST- CASE DATA (1GHz ~ 12.75GHz)

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	26℃	Relative Humidity：	60 %
Pressure：	1012 hPa	Test Voltage ：	DC 19.2V
Test Mode ：	TX-GFSK (CH00/CH19/CH39)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
operation frequency:2402							
V	2787.646	-51.27	10.04	-41.23	-30	-11.23	peak
V	4529.468	-49.3	9.58	-39.72	-30	-9.72	peak
V	2917.873	-51.92	10.53	-41.39	-30	-11.39	peak
V	4399.797	-49.56	10.65	-38.91	-30	-8.91	peak
H	2643.267	-50.9	10.83	-40.07	-30	-10.07	peak
H	3928.715	-50.33	11.07	-39.26	-30	-9.26	peak
H	2156.369	-50.62	10.74	-39.88	-30	-9.88	peak
H	3483.747	-49.02	11.31	-37.71	-30	-7.71	peak
operation frequency:2440							
V	2093.791	-52.81	10.97	-41.84	-30	-11.84	peak
V	4012.559	-52.56	9.77	-42.79	-30	-12.79	peak
V	2221.94	-53.46	11.48	-41.98	-30	-11.98	peak
V	4256.21	-49.97	10.84	-39.13	-30	-9.13	peak
H	2201.446	-50.95	9.93	-41.02	-30	-11.02	peak
H	4850.983	-52.8	11.34	-41.46	-30	-11.46	peak
H	2810.007	-49.63	9.65	-39.98	-30	-9.98	peak
H	3455.809	-52.34	9.59	-42.75	-30	-12.75	peak
operation frequency:2480							
V	2221.711	-52.33	9.93	-42.40	-30	-12.40	peak
V	5585.197	-50.3	10.19	-40.11	-30	-10.11	peak
V	2937.416	-50.89	10.59	-40.30	-30	-10.30	peak
V	5779.411	-47.62	11.39	-36.23	-30	-6.23	peak
H	2239.446	-47.48	9.99	-37.49	-30	-7.49	peak
H	4193.022	-47.73	11.47	-36.26	-30	-6.26	peak
H	2383.591	-52.5	10.96	-41.54	-30	-11.54	peak
H	5075.048	-50.47	10.50	-39.97	-30	-9.97	peak

Remark:

1. Emission Level= Meter Reading+ Factor, Margin= Limit- Emission Level.
2. All the modes had been tested, but only the worst data recorded in the report.

3.6.6 TEST RESULTS (Conducted measurement)

Test data reference attachment

3.7. RECEIVER SPURIOUS RADIATION

3.7.1 LIMITS OF RECEIVER SPURIOUS RADIATION

Refer to chapter 4.3.2.10.3 of ETSI EN 300 328 V2.2.2 (2019-07)

RECEIVER SPURIOUS EMISSIONS		
Frequency Range	Maximum Power Limit (E.R.P.(≤1 GHz) E.I.R.P.(> 1 GHz))	Measurement Bandwidth
30 MHz ~ 1 GHz	-57dBm	100KHz
1 GHz ~ 12.75 GHz	-47dBm	1MHz

3.7.2 TEST PROCEDURE

Refer to chapter 5.4.10.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☒Radiated measurement

The setting of the Spectrum Analyzer

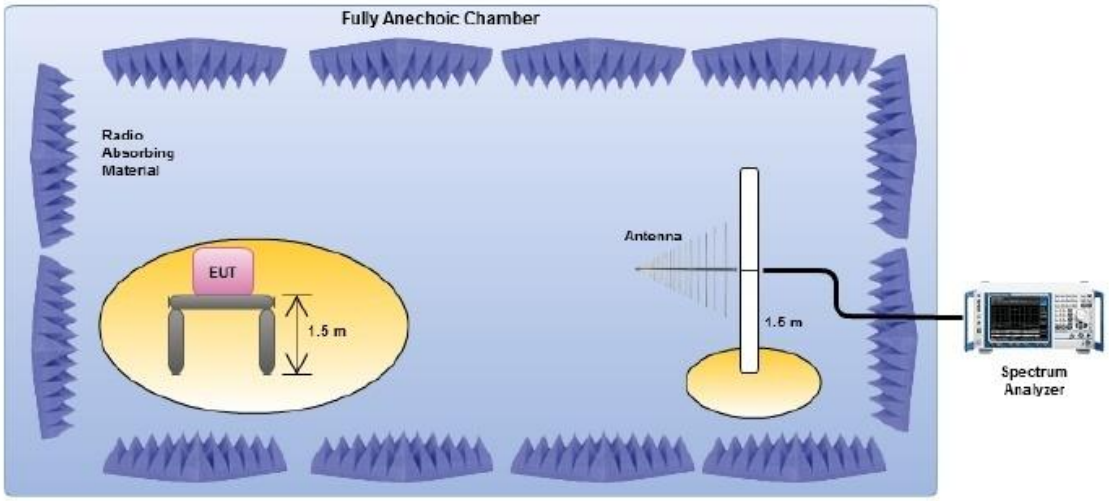
RBW	100K(＜1GHz) / 1M(＞1GHz)
VBW	300K(＜1GHz) / 3M(＞1GHz)

3.7.3 DEVIATION FROM TEST STANDARD

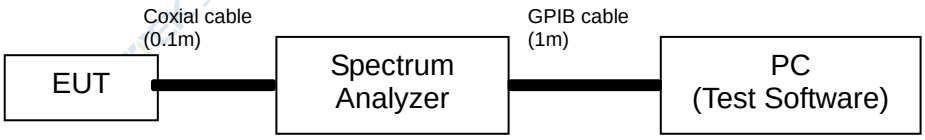
No deviation

3.7.4 TEST SETUP

Radiated measurement:



Conducted measurement:



1. For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration).

2. Testing was performed when the equipment was in a receive-only mode.

3. The measurements were performed when normal hopping was disabled. In this case measurements were performed when operating at the lowest and the highest hopping frequency.

4. The test setup has been constructed as the normal use condition. Controlling software has been activated to set the EUT on specific status.

3.7.5 TEST RESULTS(Radiated measurement)

RX BELOW 1 GHz WORST- CASE DATA(30 MHz ~ 1GHz)

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	26℃	Relative Humidity：	60 %
Pressure：	1012 hPa	Test Voltage ：	DC 19.2V
Test Mode ：	RX Mode-GFSK(CH19)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
V	41.743	-84.18	12.98	-71.20	-57	-14.20	peak
V	107.259	-80.08	11.67	-68.41	-57	-11.41	peak
V	207.608	-87.07	18.94	-68.13	-57	-11.13	peak
V	263.297	-80.21	11.65	-68.56	-57	-11.56	peak
V	479.421	-83.08	11.45	-71.63	-57	-14.63	peak
H	35.027	-84.03	18.60	-65.43	-57	-8.43	peak
H	100.026	-85.16	18.11	-67.05	-57	-10.05	peak
H	209.998	-80.96	10.30	-70.66	-57	-13.66	peak
H	348.747	-79.94	15.00	-64.94	-57	-7.94	peak
H	495.684	-82.01	14.63	-67.38	-57	-10.38	peak

Remark:
1. Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit
2. All the modes had been tested, but only the worst data recorded in the report.

RX ABOVE 1 GHz WORST- CASE DATA(1GHz ~ 12.75GHz)

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	24 ℃	Relative Humidity	54%
Pressure：	1010 hPa	Test Power ：	DC 19.2V
Test Mode ：	RX Mode-GFSK(CH19)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
V	2612.995	-65.97	9.94	-56.03	-47	-9.03	peak
V	3202.798	-66.32	9.82	-56.50	-47	-9.50	peak
V	2945.657	-68.88	10.02	-58.86	-47	-11.86	peak
V	4115.946	-68.9	16.13	-52.77	-47	-5.77	peak
H	2419.413	-64.93	10.11	-54.82	-47	-7.82	peak
H	4760.236	-67.32	10.68	-56.64	-47	-9.64	peak
H	2166.555	-67.1	7.00	-60.10	-47	-13.10	peak
H	4460.746	-64.99	14.56	-50.43	-47	-3.43	peak

1. Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit
2. All the modes had been tested, but only the worst data recorded in the report.

3.7.6 TEST RESULTS (Conducted measurement)

Test data reference attachment

3.8. RECEIVER BLOCKING

3.8.1 PERFORMANCE CRITERIA

The minimum performance criterion shall be a PER less than or equal to 10 %. The manufacturer may declare alternative performance criteria as long as that is appropriate for the intended use of the equipment (see clause 5.4.1.t)).

3.8.2 LIMITS OF RECEIVER BLOCKING

While maintaining the minimum performance criteria as defined in clause 4.3.2.11.3, the blocking levels at specified frequency offsets shall be equal to or greater than the limits defined for the applicable receiver category provided in table 14, table 15 or table 16.

☐Table 14: Receiver Blocking parameters for Receiver Category 1 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 4)	**Blocking signal Frequency (MHz)**	**Blocking signal power (dBm) (see note 4)**	**Type of blocking signal**
(-133 dBm + 10 × $\log_{10}$(OCBW)) or -68 dBm whichever is less (see note 2)	2 380 2 504	-34	CW
(-139 dBm + 10 × $\log_{10}$(OCBW)) or -74 dBm whichever is less (see note 3)	2 300 2 330 2 360 2524 2584 2674		

NOTE 1: OCBW is in Hz.

NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 26 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 3: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 20 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 4: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

☒**Table 15: Receiver Blocking parameters receiver category 2 equipment**

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)	**Blocking signal Frequency (MHz)**	**Blocking signal power (dBm) (see note 3)**	**Type of blocking signal**
(-139 dBm + 10 × $\log_{10}$(OCBW) + 10 dB) or (-74 dBm + 10 dB) whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW

NOTE 1: OCBW is in Hz.

NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 26 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements,this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

☐**Table 16: Receiver Blocking parameters receiver category 3 equipment**

Wanted signal mean power from companion device (dBm)	**Blocking signal Frequency (MHz)**	**Blocking signal power (dBm) (see note 2)**	**Type of blocking signal**
(-139 dBm + 10 × $\log_{10}$(OCBW) + 20 dB) or (-74 dBm + 20 dB) whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW

NOTE 1: OCBW is in Hz.

NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to P_{min} + 30 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

3.8.3 TEST PROCEDURE

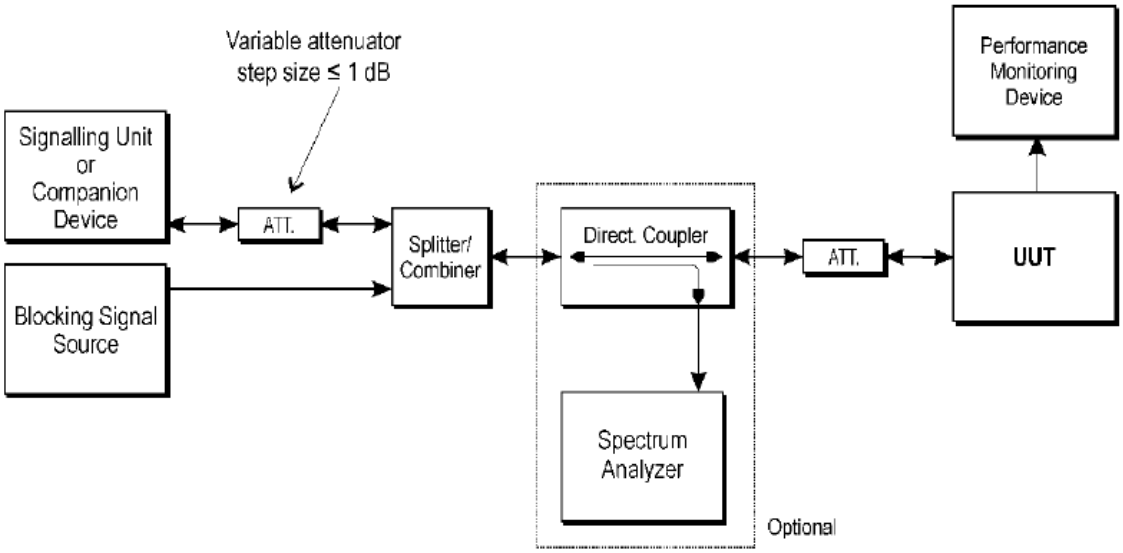
Refer to chapter 5.4.11.2 of ETSI EN 300 328 V2.2.2 (2019-07)

Measurement	
☒Conducted measurement	☐Radiated measurement

3.8.4 DEVIATION FROM TEST STANDARD

No deviation

3.8.5 TEST SETUP



3.8.6 TEST RESULTS

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	24 ℃	Relative Humidity	54%
Pressure：	1010 hPa	Test Power ：	DC 19.2V
Test Mode ：	GFSK-RX Mode (CH00/CH39)-1M		

CH00：

receiver category 2

Wanted signal mean power from companion device (dBm) Note(1)	**Blocking signal Frequency (MHz)**	**Blocking signal power (dBm)**	**PER %**	**PER Limit %**
-59.05	2 380	-34	0.77%	≤10%
	2 504		0.99%	
	2 300		0.64%	≤10%
	2 584		0.99%	

CH39：

receiver category 2

Wanted signal mean power from companion device (dBm) Note(1)	**Blocking signal Frequency (MHz)**	**Blocking signal power (dBm)**	**PER %**	**PER Limit %**
-59.03	2 380	-34	0.75%	≤10%
	2 504		0.46%	
	2 300		0.04%	≤10%
	2 584		0.51%	

Note: (1) The above results were obtained from laboratory tests.

EUT：	EcoFlow STREAM AC Pro	Model Name ：	EF-EA-AC-P2K-1200
Temperature：	24 ℃	Relative Humidity	54%
Pressure：	1010 hPa	Test Power ：	DC 19.2V
Test Mode ：	GFSK-RX Mode (CH00/CH39)-2M		

CH00：

receiver category 2

Wanted signal mean power from companion device (dBm)	Blocking signal Frequency (MHz)	Blocking signal power (dBm)	PER %	PER Limit %
-56.08	2 380	-34	0.11%	≤10%
	2 504		0.80%	
	2 300		0.52%	≤10%
	2 584		0.43%	

CH39：

receiver category 2

Wanted signal mean power from companion device (dBm)	Blocking signal Frequency (MHz)	Blocking signal power (dBm)	PER %	PER Limit %
-56.01	2 380	-34	0.54%	≤10%
	2 504		0.58%	
	2 300		0.60%	≤10%
	2 584		0.98%	

Note: (1) The above results were obtained from laboratory tests.

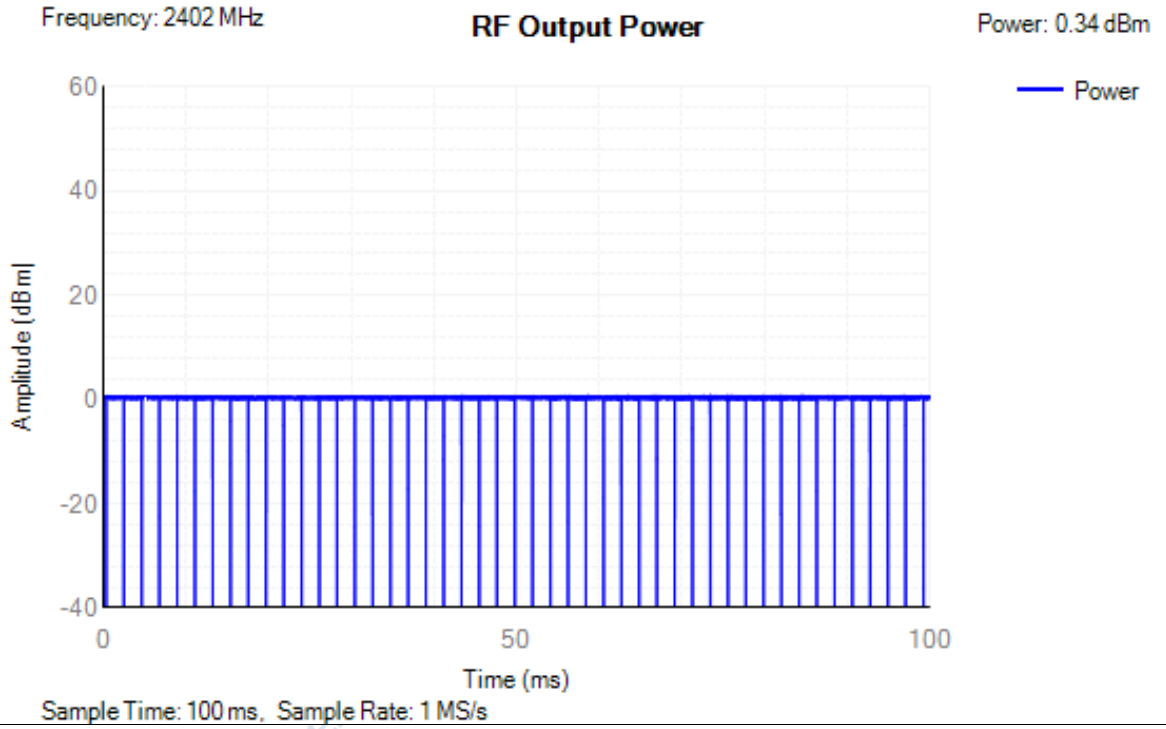
4. TEST RESULTS

4.1 1M:

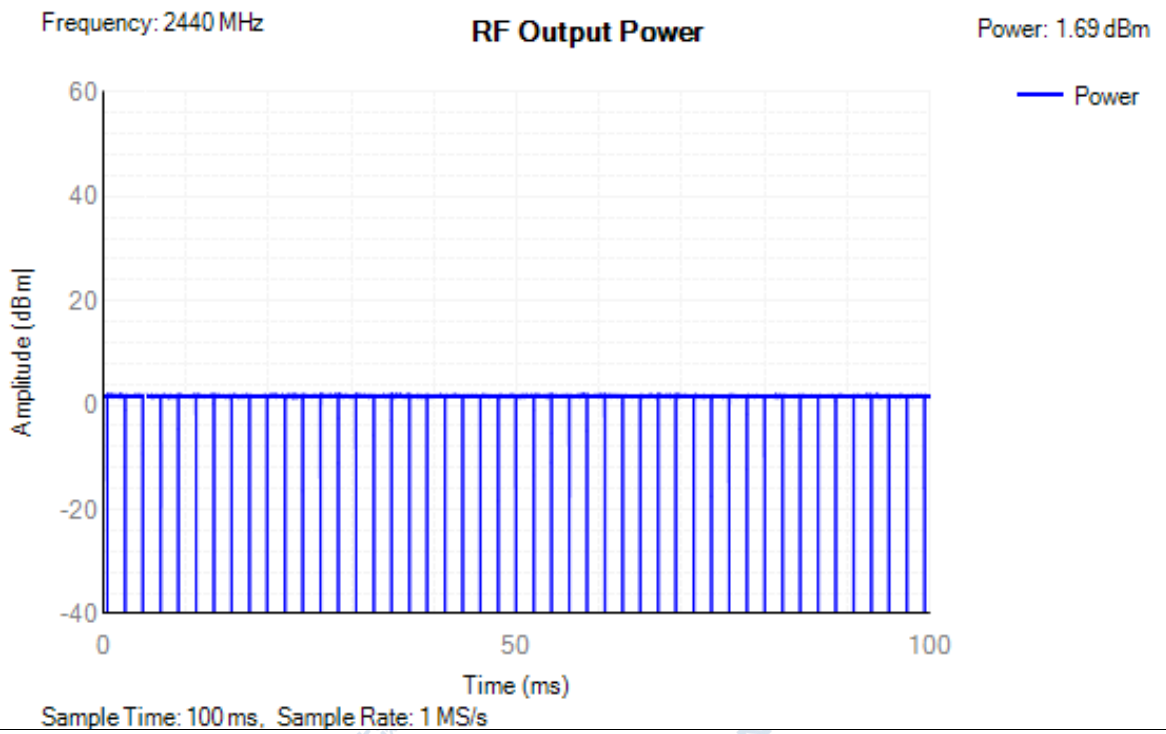
4.1.1 RF Output Power

Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.34	48	4.21	20	Pass
NVNT	BLE 1M	2440	Ant1	1.69	48	5.56	20	Pass
NVNT	BLE 1M	2480	Ant1	0.86	47	4.73	20	Pass
NVNT	BLE 1M	2402	Ant2	0.99	48	7.16	20	Pass
NVNT	BLE 1M	2440	Ant2	1	47	7.17	20	Pass
NVNT	BLE 1M	2480	Ant2	-0.09	47	6.08	20	Pass
NVLT	BLE 1M	2402	Ant1	-0.51	48	3.36	20	Pass
NVLT	BLE 1M	2440	Ant1	0.91	48	4.78	20	Pass
NVLT	BLE 1M	2480	Ant1	0.32	47	4.19	20	Pass
NVLT	BLE 1M	2402	Ant2	0.14	48	6.31	20	Pass
NVLT	BLE 1M	2440	Ant2	0.22	47	6.39	20	Pass
NVLT	BLE 1M	2480	Ant2	-0.63	47	5.54	20	Pass
NVHT	BLE 1M	2402	Ant1	-0.57	48	3.3	20	Pass
NVHT	BLE 1M	2440	Ant1	1.01	48	4.88	20	Pass
NVHT	BLE 1M	2480	Ant1	0.52	47	4.39	20	Pass
NVHT	BLE 1M	2402	Ant2	0.08	48	6.25	20	Pass
NVHT	BLE 1M	2440	Ant2	0.32	47	6.49	20	Pass
NVHT	BLE 1M	2480	Ant2	-0.43	47	5.74	20	Pass

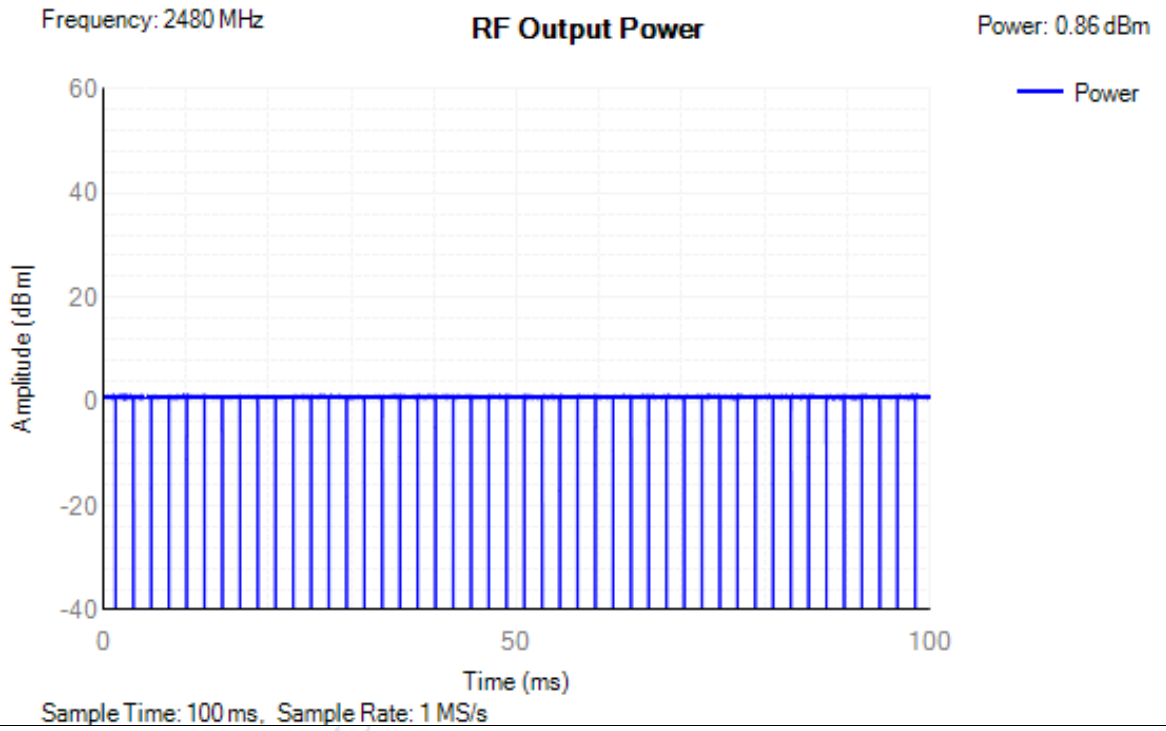
Test Graphs
Power NVNT BLE 1M 2402MHz Ant1



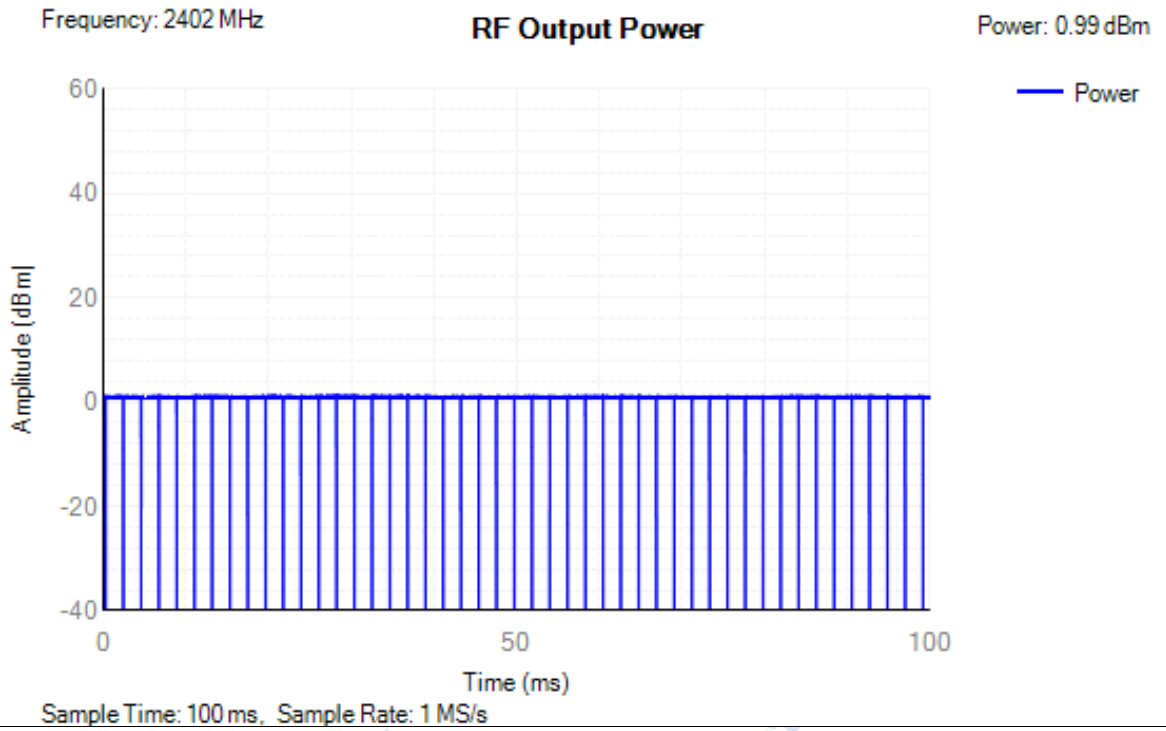
Power NVNT BLE 1M 2440MHz Ant1



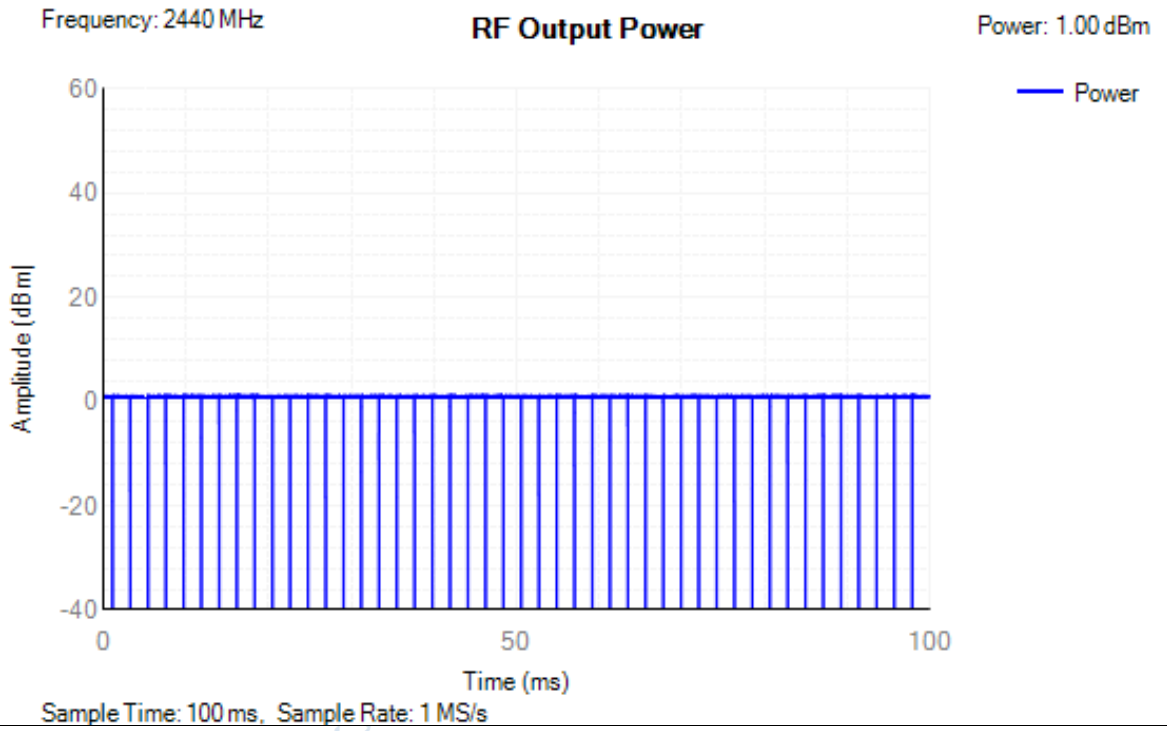
Power NVNT BLE 1M 2480MHz Ant1



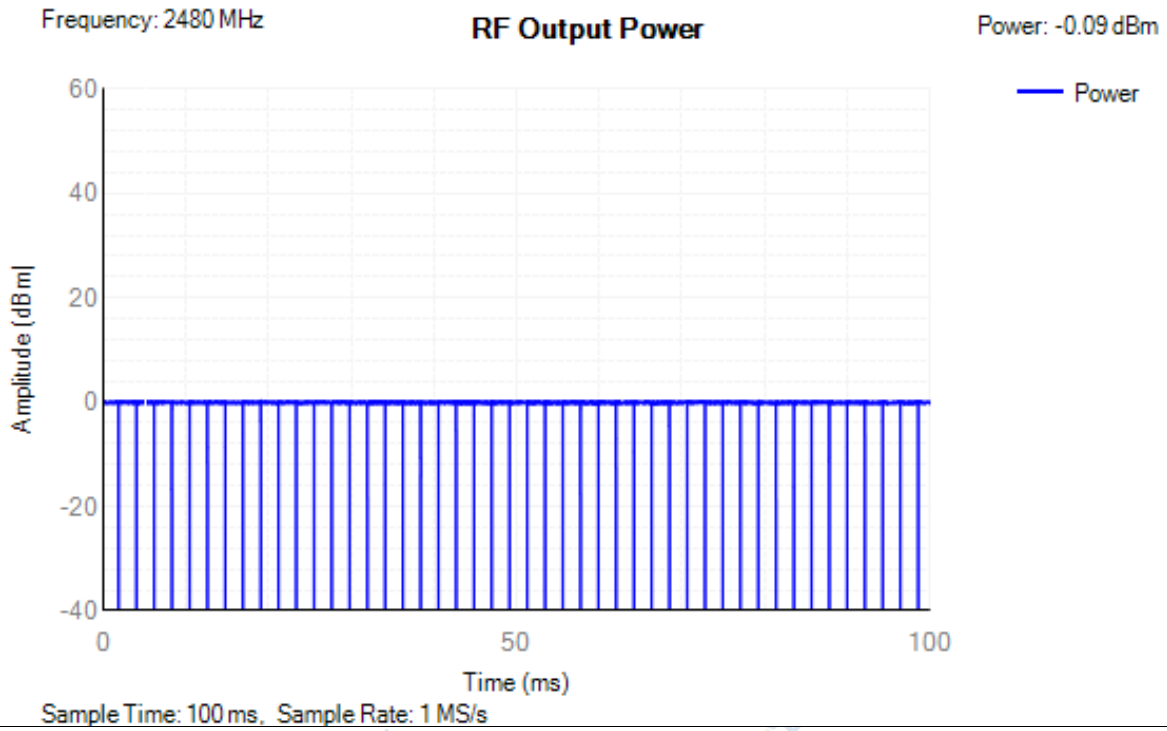
Power NVNT BLE 1M 2402MHz Ant2



Power NVNT BLE 1M 2440MHz Ant2



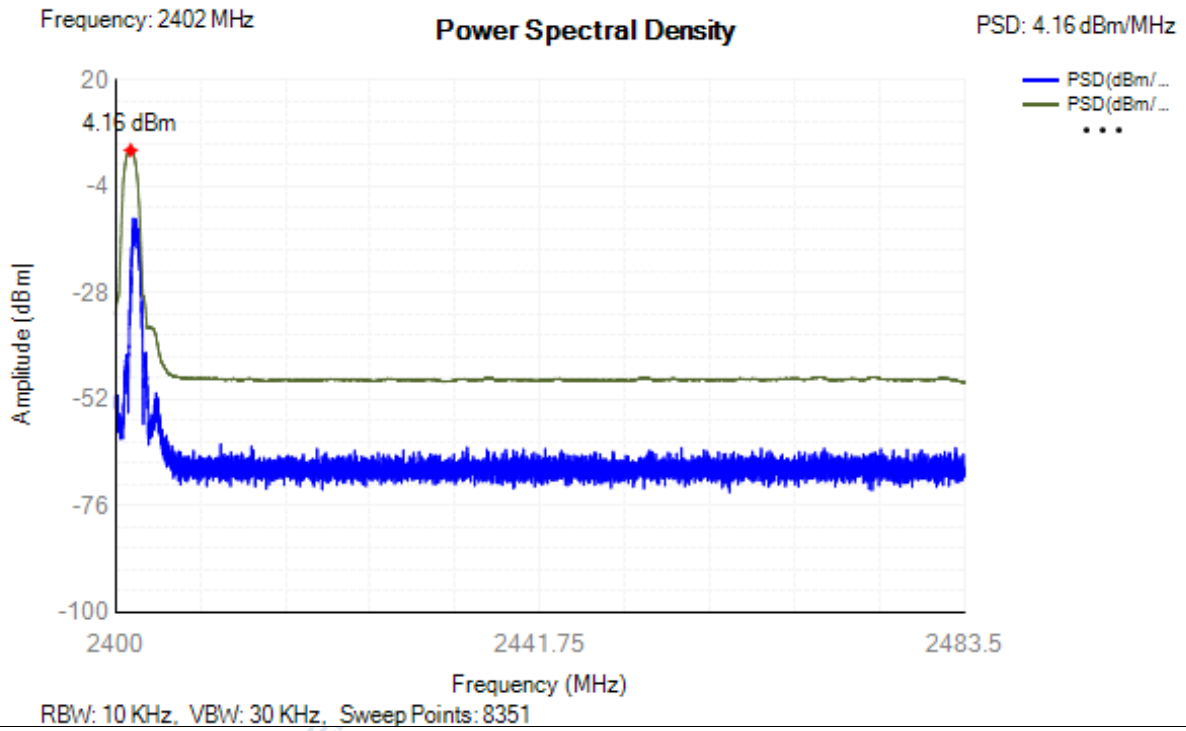
Power NVNT BLE 1M 2480MHz Ant2



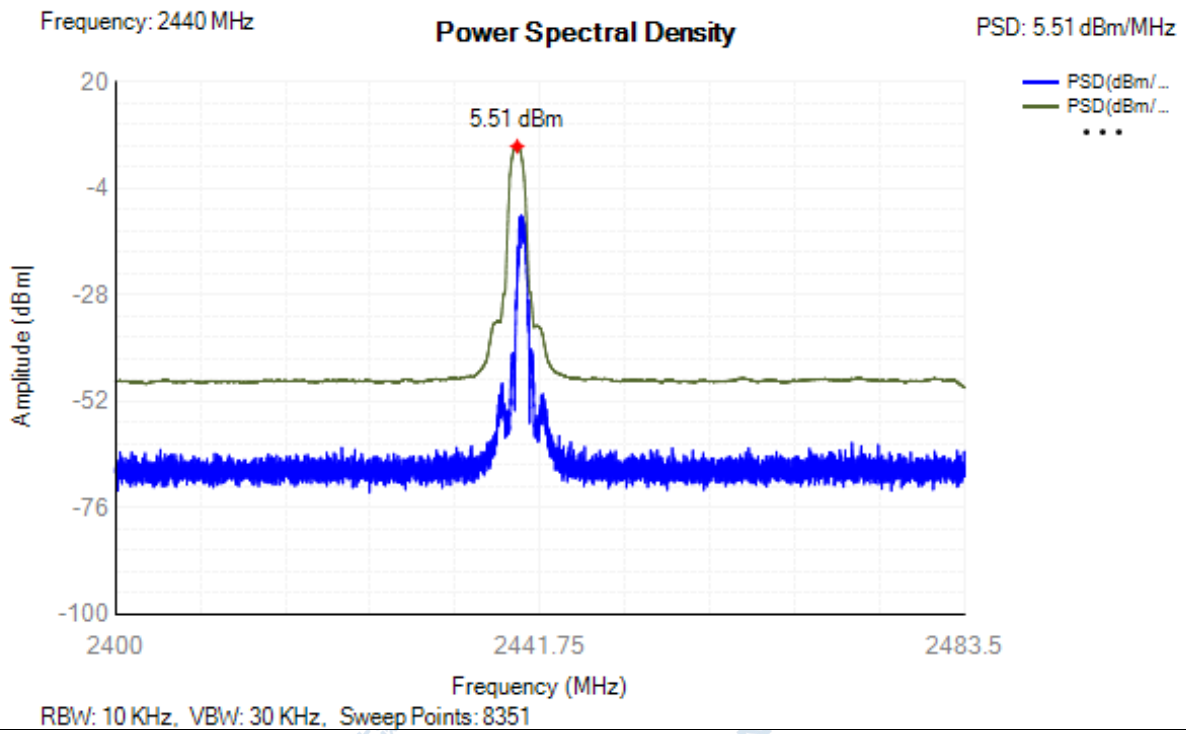
4.1.2 Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	4.16	10	Pass
NVNT	BLE 1M	2440	Ant1	5.51	10	Pass
NVNT	BLE 1M	2480	Ant1	4.67	10	Pass
NVNT	BLE 1M	2402	Ant2	7.1	10	Pass
NVNT	BLE 1M	2440	Ant2	7.12	10	Pass
NVNT	BLE 1M	2480	Ant2	6.02	10	Pass

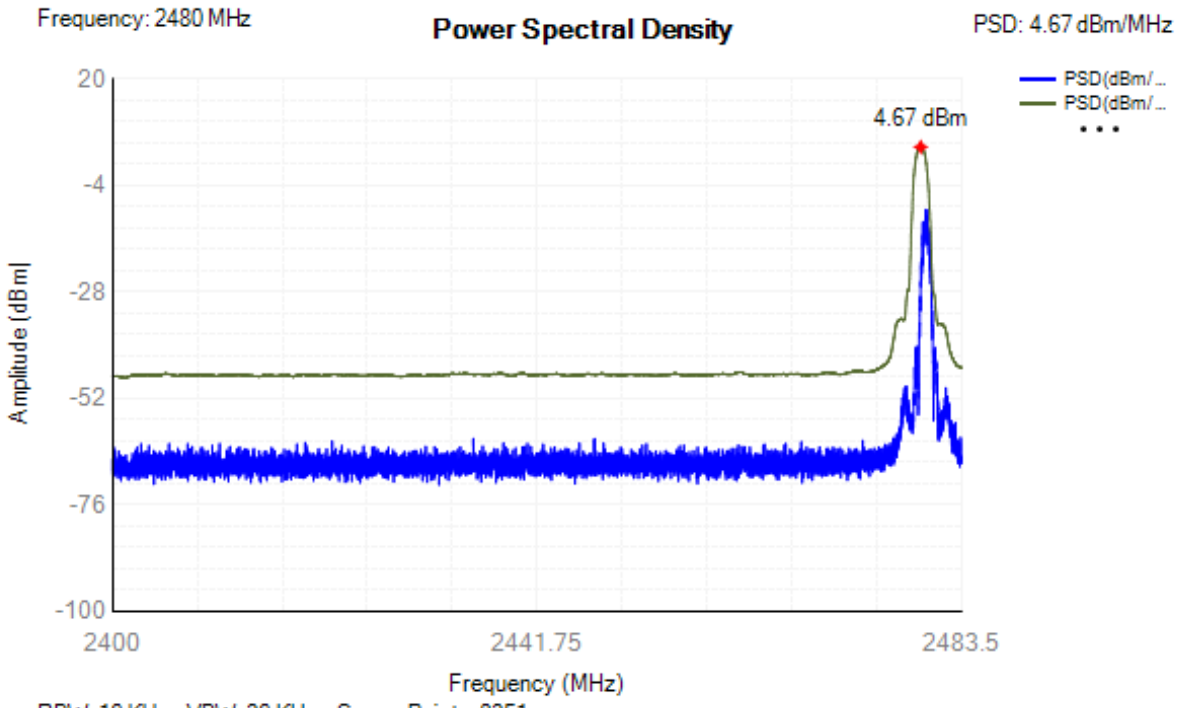
Test Graphs
PSD NVNT BLE 1M 2402MHz Ant1



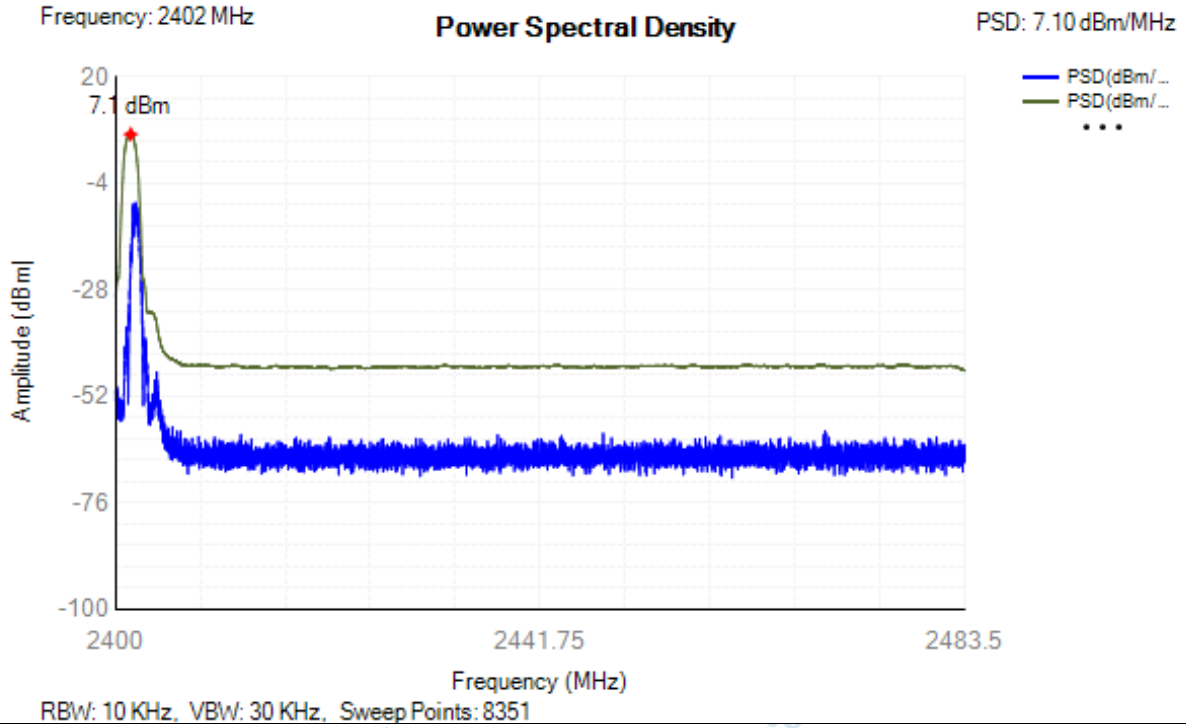
PSD NVNT BLE 1M 2440MHz Ant1



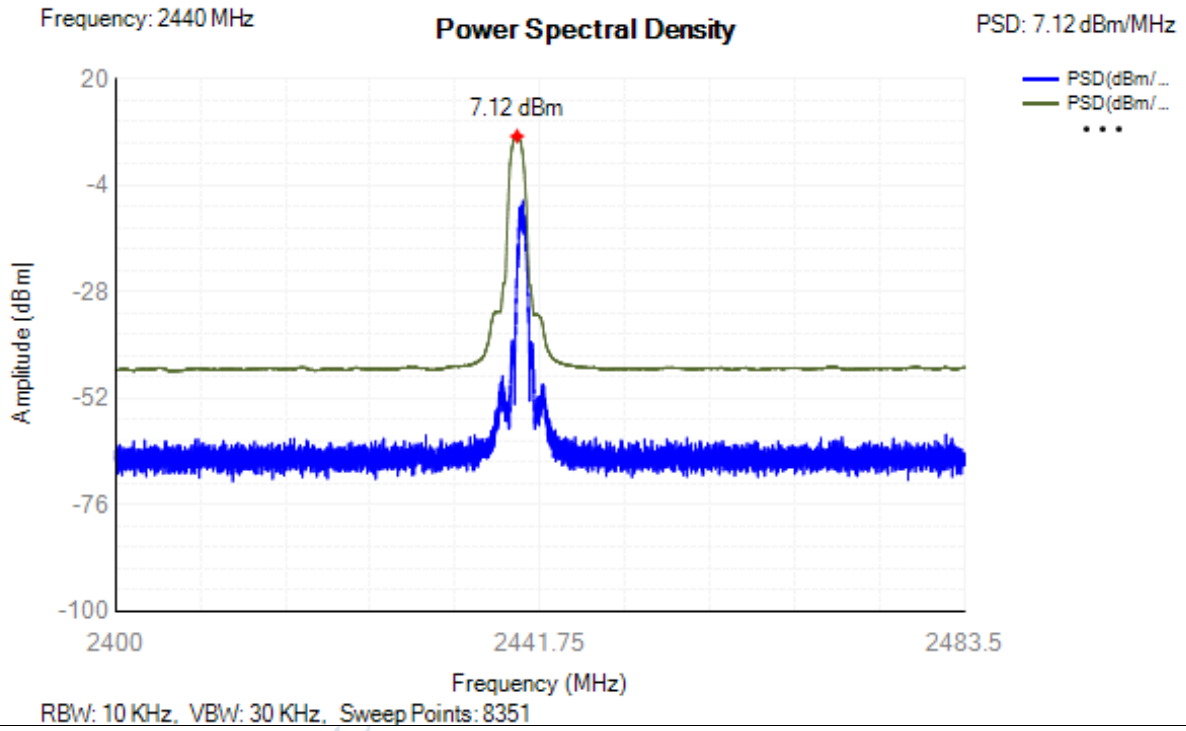
PSD NVNT BLE 1M 2480MHz Ant1



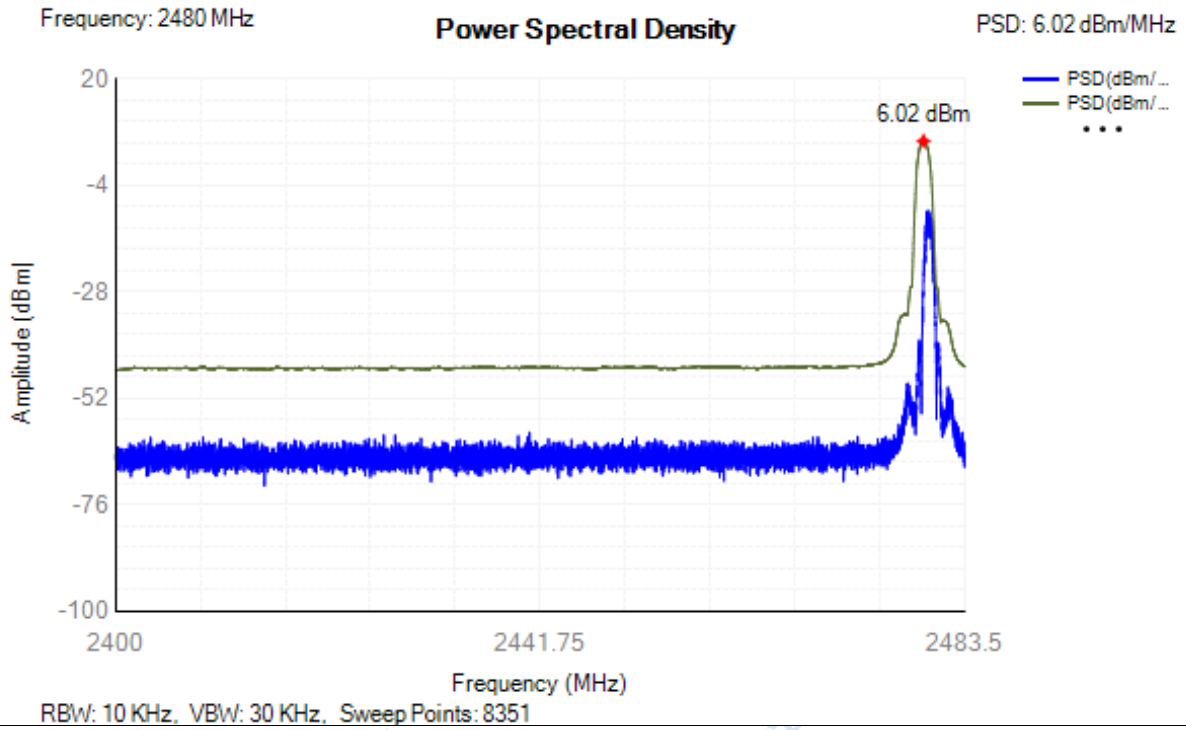
PSD NVNT BLE 1M 2402MHz Ant2



PSD NVNT BLE 1M 2440MHz Ant2



PSD NVNT BLE 1M 2480MHz Ant2

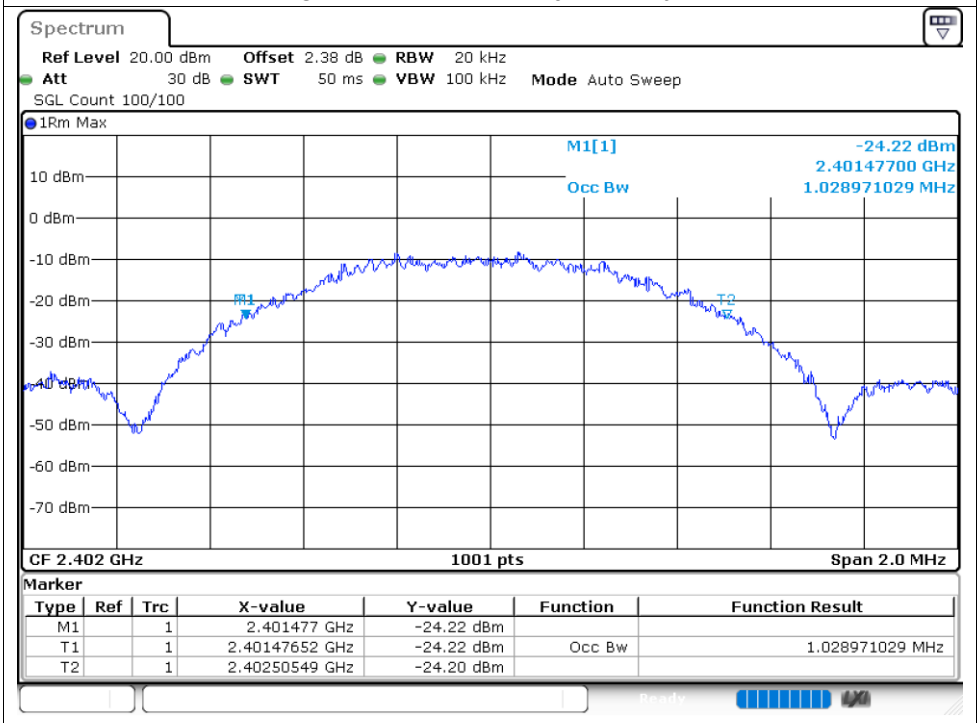


4.1.3 Occupied Channel Bandwidth

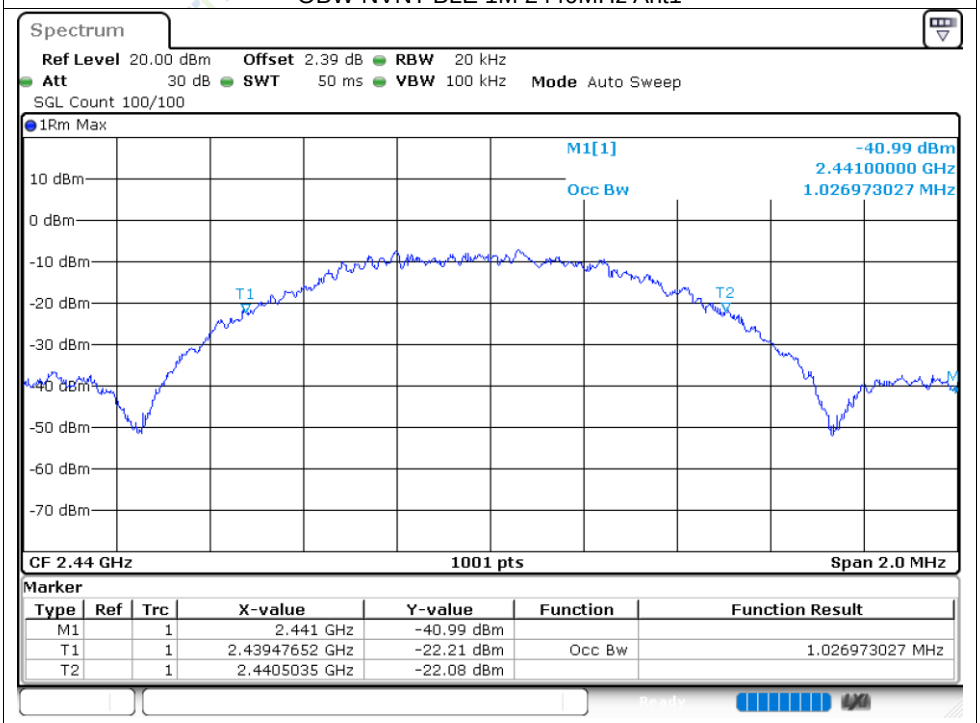
Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	2401.991	1.029	2401.477	2402.505	2400 - 2483.5MHz	Pass
NVNT	BLE 1M	2440	Ant1	2439.99	1.027	2439.477	2440.503	2400 - 2483.5MHz	Pass
NVNT	BLE 1M	2480	Ant1	2479.989	1.029	2479.475	2480.503	2400 - 2483.5MHz	Pass
NVNT	BLE 1M	2402	Ant2	2401.991	1.029	2401.477	2402.505	2400 - 2483.5MHz	Pass
NVNT	BLE 1M	2440	Ant2	2439.989	1.029	2439.475	2440.503	2400 - 2483.5MHz	Pass
NVNT	BLE 1M	2480	Ant2	2479.989	1.029	2479.475	2480.503	2400 - 2483.5MHz	Pass

Test Graphs

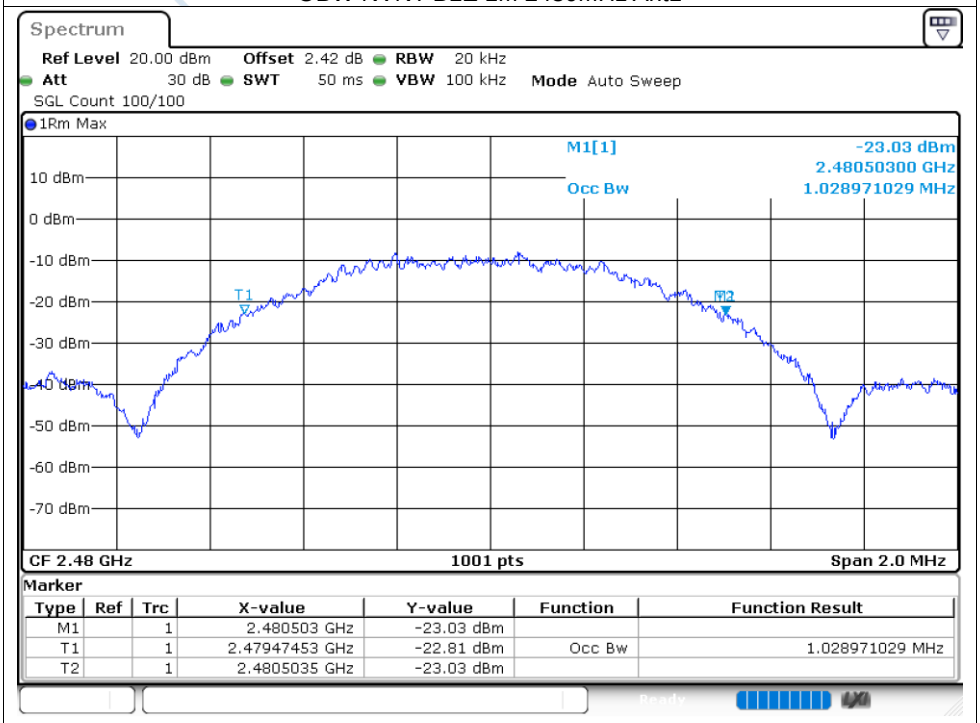
OBW NVNT BLE 1M 2402MHz Ant1



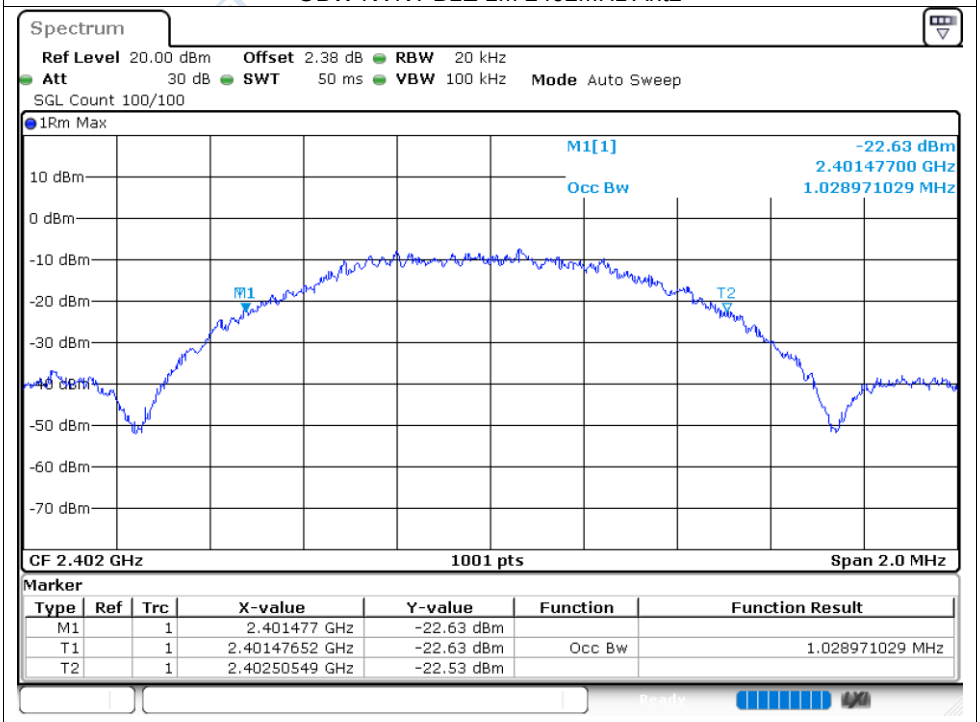
OBW NVNT BLE 1M 2440MHz Ant1



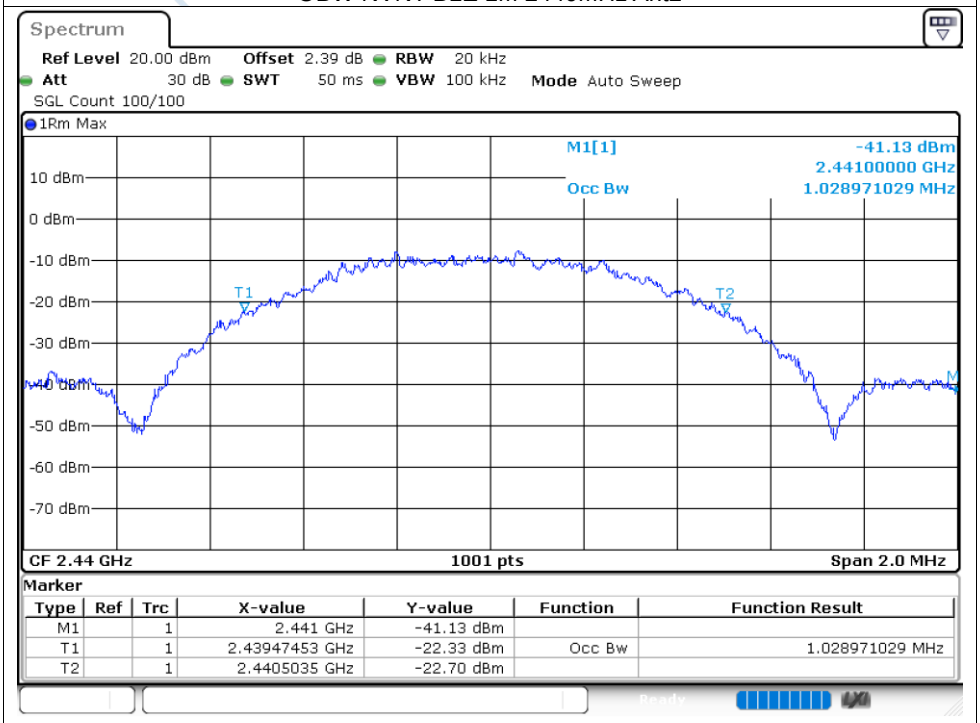
OBW NVNT BLE 1M 2480MHz Ant1



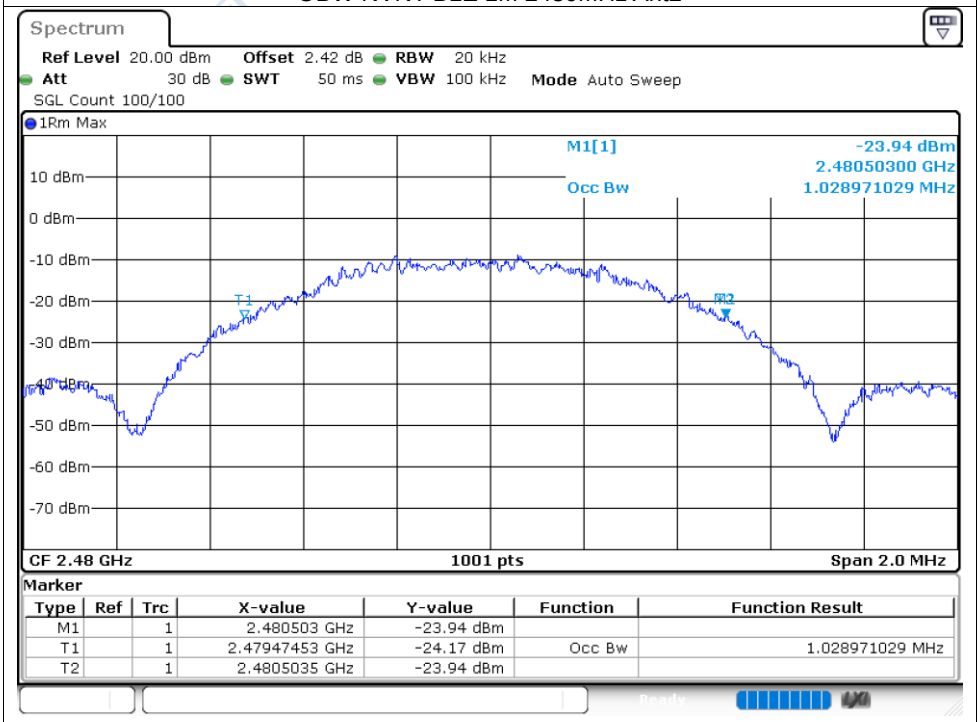
OBW NVNT BLE 1M 2402MHz Ant2



OBW NVNT BLE 1M 2440MHz Ant2



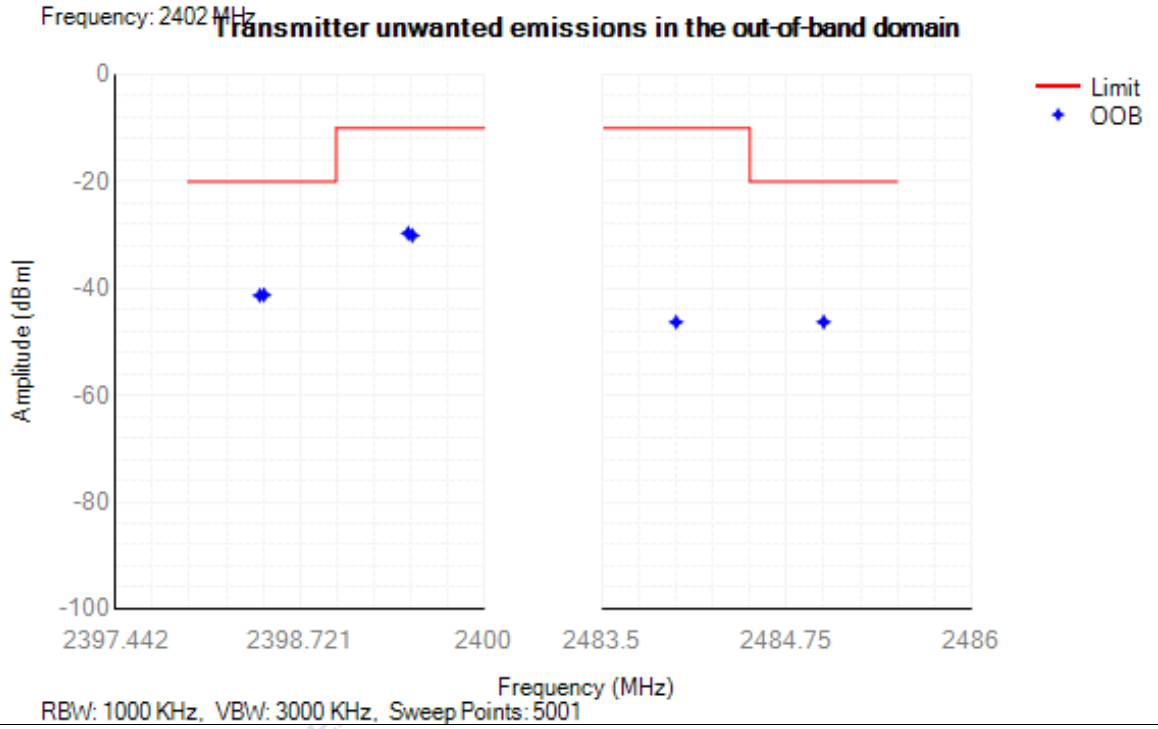
OBW NVNT BLE 1M 2480MHz Ant2



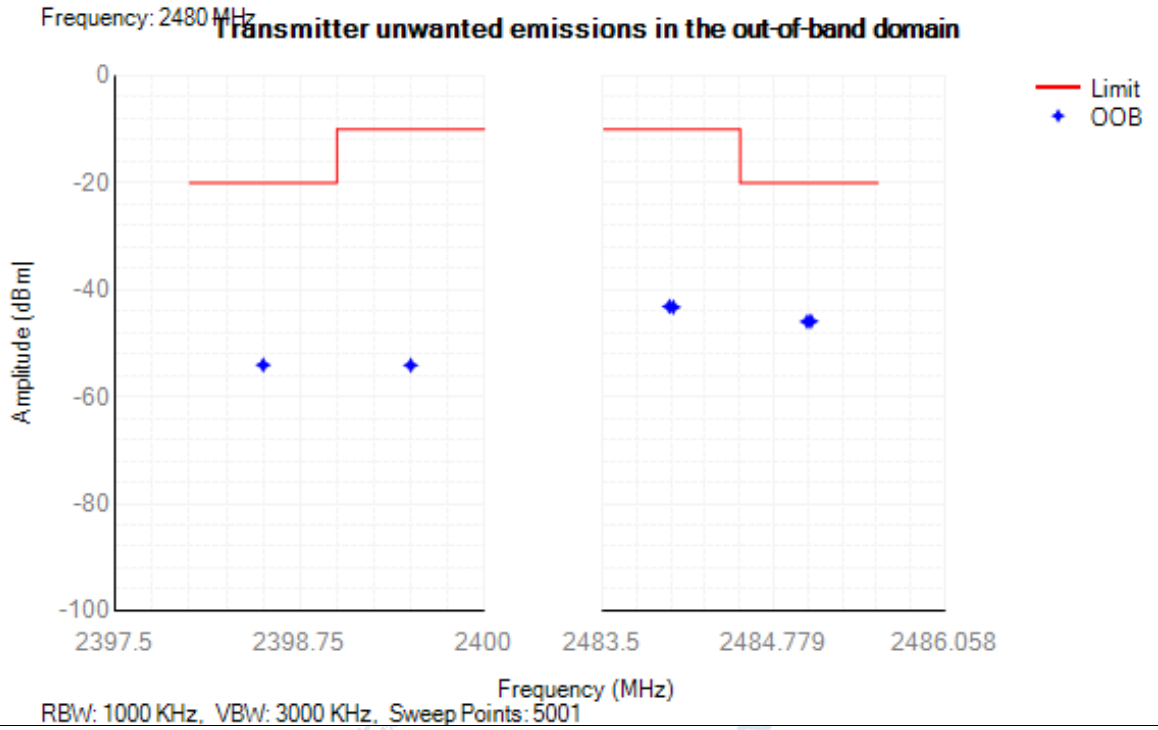
4.1.4 Transmitter unwanted emissions in the out-of-band domain

Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	2399.5	-30.11	-10	Pass
NVNT	BLE 1M	2402	Ant1	2399.471	-29.69	-10	Pass
NVNT	BLE 1M	2402	Ant1	2398.471	-41.22	-20	Pass
NVNT	BLE 1M	2402	Ant1	2398.442	-41.33	-20	Pass
NVNT	BLE 1M	2402	Ant1	2484	-46.32	-10	Pass
NVNT	BLE 1M	2402	Ant1	2485	-46.3	-20	Pass
NVNT	BLE 1M	2480	Ant1	2399.5	-54.11	-10	Pass
NVNT	BLE 1M	2480	Ant1	2398.5	-54.06	-20	Pass
NVNT	BLE 1M	2480	Ant1	2484	-43.13	-10	Pass
NVNT	BLE 1M	2480	Ant1	2484.029	-43.25	-10	Pass
NVNT	BLE 1M	2480	Ant1	2485.029	-45.95	-20	Pass
NVNT	BLE 1M	2480	Ant1	2485.058	-45.89	-20	Pass
NVNT	BLE 1M	2402	Ant2	2399.5	-27.31	-10	Pass
NVNT	BLE 1M	2402	Ant2	2399.471	-26.93	-10	Pass
NVNT	BLE 1M	2402	Ant2	2398.471	-38.47	-20	Pass
NVNT	BLE 1M	2402	Ant2	2398.442	-38.61	-20	Pass
NVNT	BLE 1M	2402	Ant2	2484	-44.12	-10	Pass
NVNT	BLE 1M	2402	Ant2	2485	-44.15	-20	Pass
NVNT	BLE 1M	2480	Ant2	2399.5	-51.51	-10	Pass
NVNT	BLE 1M	2480	Ant2	2398.5	-51.47	-20	Pass
NVNT	BLE 1M	2480	Ant2	2484	-41.94	-10	Pass
NVNT	BLE 1M	2480	Ant2	2484.029	-42.05	-10	Pass
NVNT	BLE 1M	2480	Ant2	2485.029	-44.89	-20	Pass
NVNT	BLE 1M	2480	Ant2	2485.058	-44.89	-20	Pass

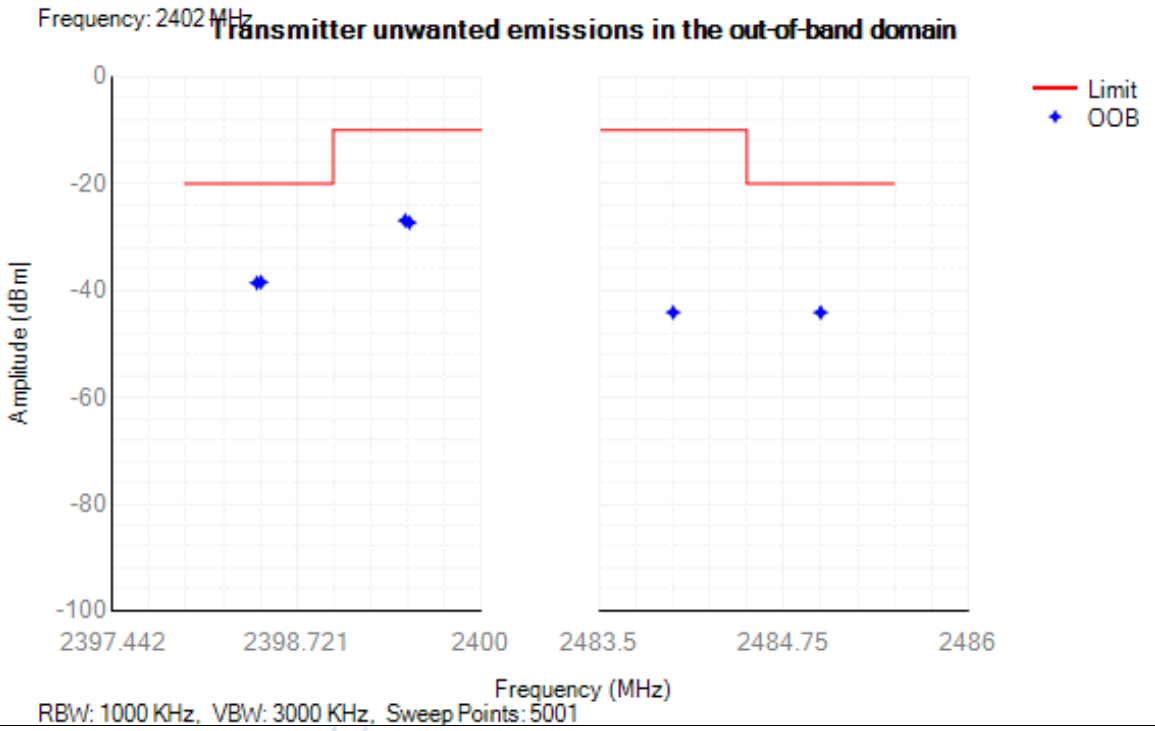
Test Graphs
Tx. Emissions OOB NVNT BLE 1M 2402MHz Ant1



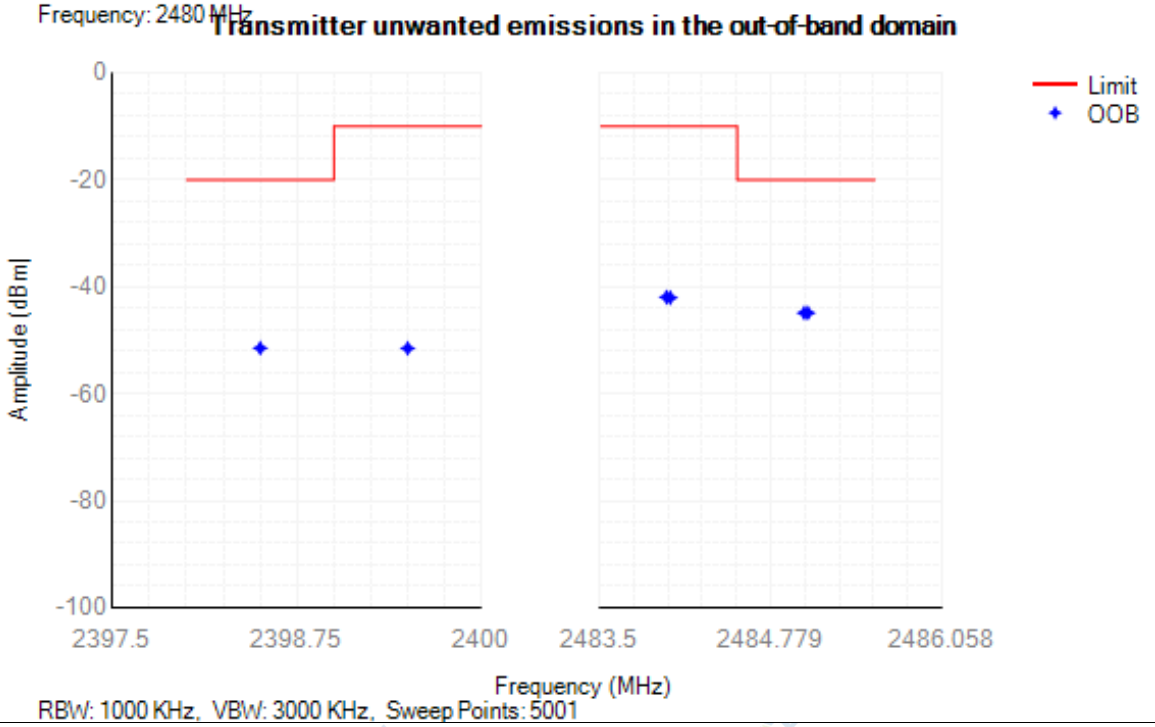
Tx. Emissions OOB NVNT BLE 1M 2480MHz Ant1



Tx. Emissions OOB NVNT BLE 1M 2402MHz Ant2



Tx. Emissions OOB NVNT BLE 1M 2480MHz Ant2

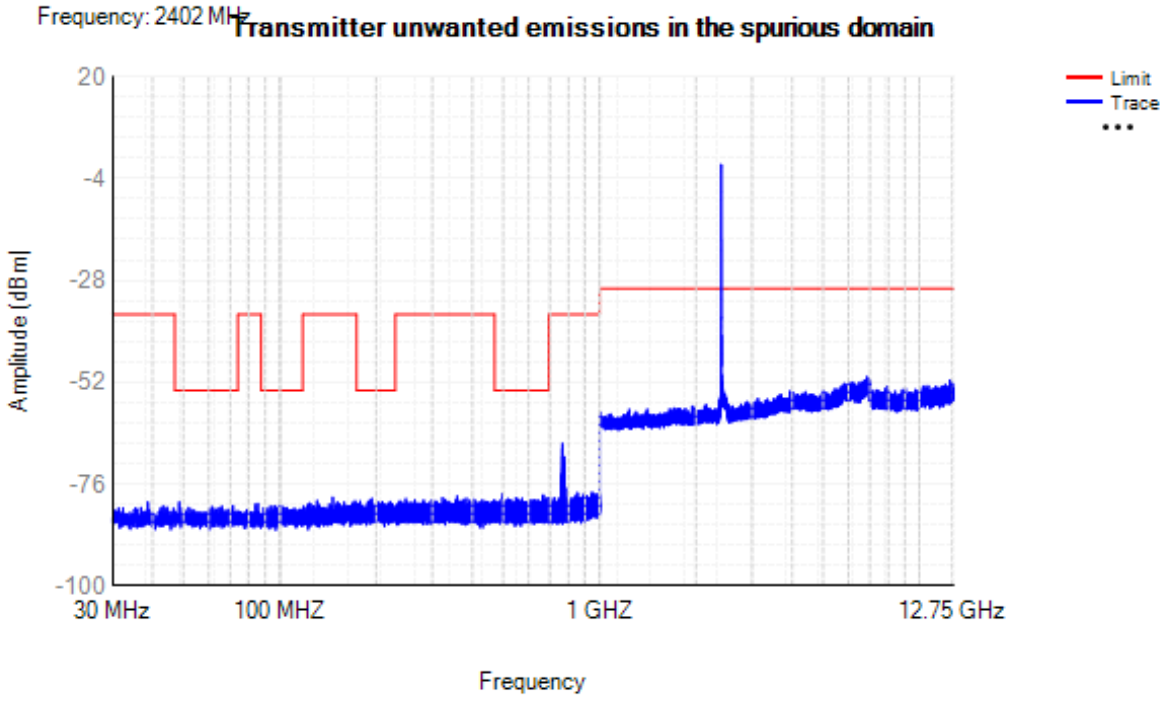


4.1.5 Transmitter unwanted emissions in the spurious domain

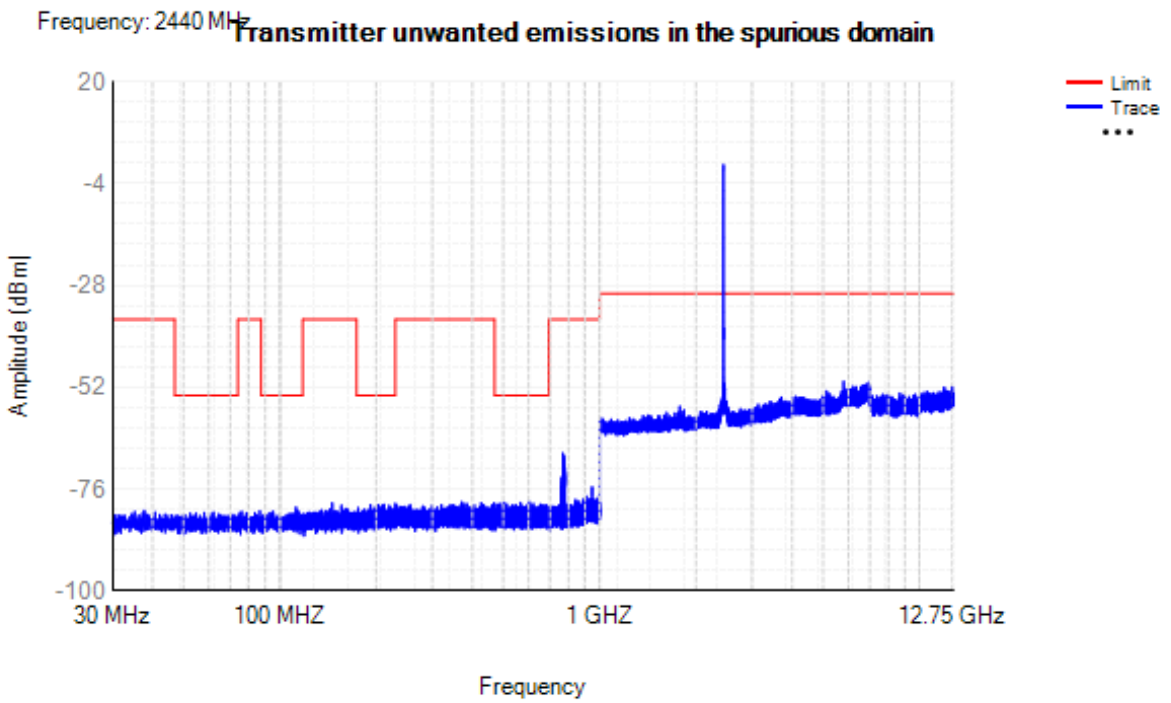
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	30 -47	38.70	-80.23	NA	-36	Pass
NVNT	BLE 1M	2402	Ant1	47 -74	48.45	-80.24	NA	-54	Pass
NVNT	BLE 1M	2402	Ant1	74 -87.5	85.35	-80.55	NA	-36	Pass
NVNT	BLE 1M	2402	Ant1	87.5 -118	100.10	-81.01	NA	-54	Pass
NVNT	BLE 1M	2402	Ant1	118 -174	146.45	-79.10	NA	-36	Pass
NVNT	BLE 1M	2402	Ant1	174 -230	194.05	-79.43	NA	-54	Pass
NVNT	BLE 1M	2402	Ant1	230 -470	358.65	-78.83	NA	-36	Pass
NVNT	BLE 1M	2402	Ant1	470 -694	495.30	-78.23	NA	-54	Pass
NVNT	BLE 1M	2402	Ant1	694 -1000	765.55	-66.45	NA	-36	Pass
NVNT	BLE 1M	2402	Ant1	1000 -2398	2397.50	-49.14	NA	-30	Pass
NVNT	BLE 1M	2402	Ant1	2485.5 -12750	6860.00	-50.71	NA	-30	Pass
NVNT	BLE 1M	2440	Ant1	30 -47	37.70	-81.01	NA	-36	Pass
NVNT	BLE 1M	2440	Ant1	47 -74	62.05	-81.44	NA	-54	Pass
NVNT	BLE 1M	2440	Ant1	74 -87.5	86.65	-81.13	NA	-36	Pass
NVNT	BLE 1M	2440	Ant1	87.5 -118	112.45	-80.25	NA	-54	Pass
NVNT	BLE 1M	2440	Ant1	118 -174	145.85	-79.24	NA	-36	Pass
NVNT	BLE 1M	2440	Ant1	174 -230	211.75	-79.60	NA	-54	Pass
NVNT	BLE 1M	2440	Ant1	230 -470	371.50	-79.01	NA	-36	Pass
NVNT	BLE 1M	2440	Ant1	470 -694	602.25	-78.98	NA	-54	Pass
NVNT	BLE 1M	2440	Ant1	694 -1000	768.00	-67.52	NA	-36	Pass
NVNT	BLE 1M	2440	Ant1	1000 -2398	2380.00	-56.09	NA	-30	Pass
NVNT	BLE 1M	2440	Ant1	2485.5 -12750	5791.00	-50.62	NA	-30	Pass
NVNT	BLE 1M	2480	Ant1	30 -47	45.30	-81.27	NA	-36	Pass
NVNT	BLE 1M	2480	Ant1	47 -74	67.40	-81.00	NA	-54	Pass
NVNT	BLE 1M	2480	Ant1	74 -87.5	81.95	-81.13	NA	-36	Pass
NVNT	BLE 1M	2480	Ant1	87.5 -118	104.05	-80.82	NA	-54	Pass
NVNT	BLE 1M	2480	Ant1	118 -174	159.70	-79.92	NA	-36	Pass
NVNT	BLE 1M	2480	Ant1	174 -230	228.15	-78.12	NA	-54	Pass
NVNT	BLE 1M	2480	Ant1	230 -470	311.75	-78.22	NA	-36	Pass
NVNT	BLE 1M	2480	Ant1	470 -694	514.00	-77.88	NA	-54	Pass
NVNT	BLE 1M	2480	Ant1	694 -1000	775.15	-66.15	NA	-36	Pass
NVNT	BLE 1M	2480	Ant1	1000 -2398	2393.00	-56.50	NA	-30	Pass
NVNT	BLE 1M	2480	Ant1	2485.5 -12750	6984.50	-50.36	NA	-30	Pass
NVNT	BLE 1M	2402	Ant2	30 -47	38.20	-80.83	NA	-36	Pass
NVNT	BLE 1M	2402	Ant2	47 -74	66.10	-81.17	NA	-54	Pass
NVNT	BLE 1M	2402	Ant2	74 -87.5	77.70	-80.68	NA	-36	Pass
NVNT	BLE 1M	2402	Ant2	87.5 -118	97.35	-80.17	NA	-54	Pass
NVNT	BLE 1M	2402	Ant2	118 -174	155.80	-79.66	NA	-36	Pass
NVNT	BLE 1M	2402	Ant2	174 -230	226.55	-77.39	NA	-54	Pass
NVNT	BLE 1M	2402	Ant2	230 -470	382.85	-78.41	NA	-36	Pass
NVNT	BLE 1M	2402	Ant2	470 -694	572.80	-78.88	NA	-54	Pass
NVNT	BLE 1M	2402	Ant2	694 -1000	763.90	-72.99	NA	-36	Pass
NVNT	BLE 1M	2402	Ant2	1000 -2398	2397.50	-48.92	NA	-30	Pass
NVNT	BLE 1M	2402	Ant2	2485.5 -12750	6973.50	-50.87	NA	-30	Pass
NVNT	BLE 1M	2440	Ant2	30 -47	42.90	-81.09	NA	-36	Pass
NVNT	BLE 1M	2440	Ant2	47 -74	54.10	-80.86	NA	-54	Pass
NVNT	BLE 1M	2440	Ant2	74 -87.5	84.55	-80.91	NA	-36	Pass
NVNT	BLE 1M	2440	Ant2	87.5 -118	112.55	-80.35	NA	-54	Pass
NVNT	BLE 1M	2440	Ant2	118 -174	140.90	-80.09	NA	-36	Pass
NVNT	BLE 1M	2440	Ant2	174 -230	208.90	-79.23	NA	-54	Pass
NVNT	BLE 1M	2440	Ant2	230 -470	321.50	-79.26	NA	-36	Pass
NVNT	BLE 1M	2440	Ant2	470 -694	477.25	-77.80	NA	-54	Pass
NVNT	BLE 1M	2440	Ant2	694 -1000	765.00	-72.21	NA	-36	Pass
NVNT	BLE 1M	2440	Ant2	1000 -2398	2395.00	-56.28	NA	-30	Pass
NVNT	BLE 1M	2440	Ant2	2485.5 -12750	5225.00	-50.47	NA	-30	Pass
NVNT	BLE 1M	2480	Ant2	30 -47	38.40	-81.15	NA	-36	Pass
NVNT	BLE 1M	2480	Ant2	47 -74	58.85	-80.83	NA	-54	Pass
NVNT	BLE 1M	2480	Ant2	74 -87.5	87.35	-81.59	NA	-36	Pass
NVNT	BLE 1M	2480	Ant2	87.5 -118	111.50	-81.15	NA	-54	Pass
NVNT	BLE 1M	2480	Ant2	118 -174	140.10	-80.14	NA	-36	Pass
NVNT	BLE 1M	2480	Ant2	174 -230	199.10	-78.92	NA	-54	Pass
NVNT	BLE 1M	2480	Ant2	230 -470	242.25	-78.87	NA	-36	Pass
NVNT	BLE 1M	2480	Ant2	470 -694	590.45	-78.99	NA	-54	Pass

NVNT	BLE 1M	2480	Ant2	694 -1000	777.45	-72.66	NA	-36	Pass
NVNT	BLE 1M	2480	Ant2	1000 -2398	2375.00	-56.36	NA	-30	Pass
NVNT	BLE 1M	2480	Ant2	2485.5 -12750	2486.00	-47.36	NA	-30	Pass

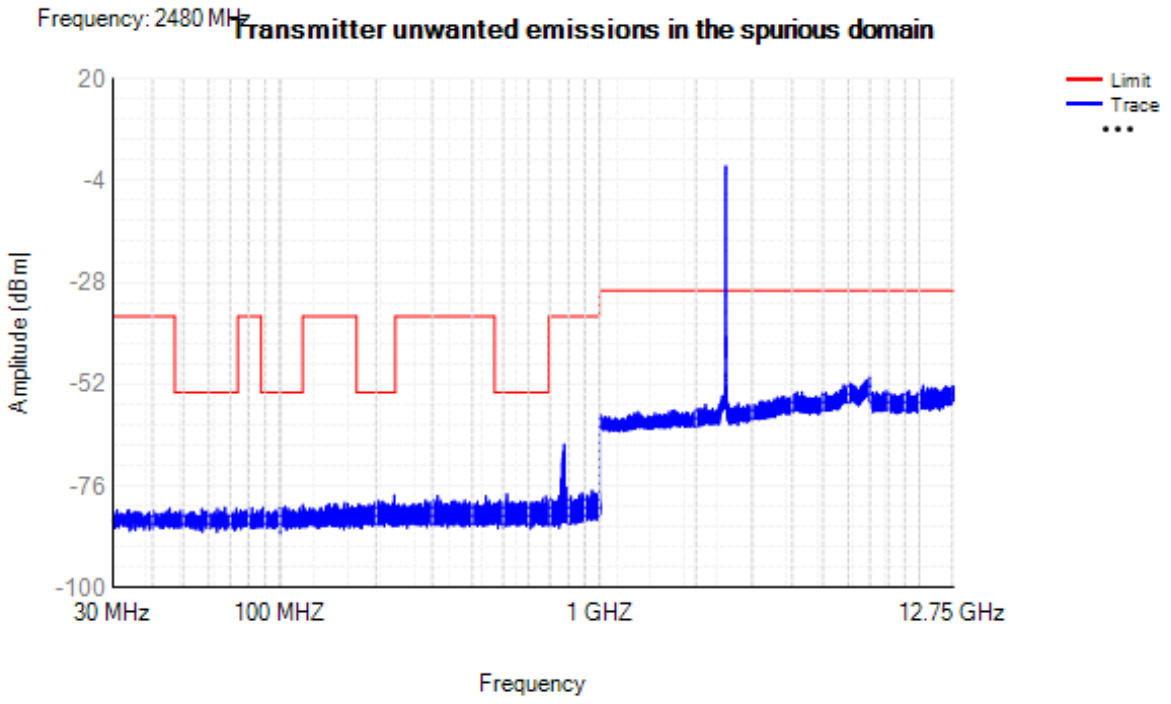
Test Graphs
Tx. Spurious NVNT BLE 1M 2402MHz Ant1



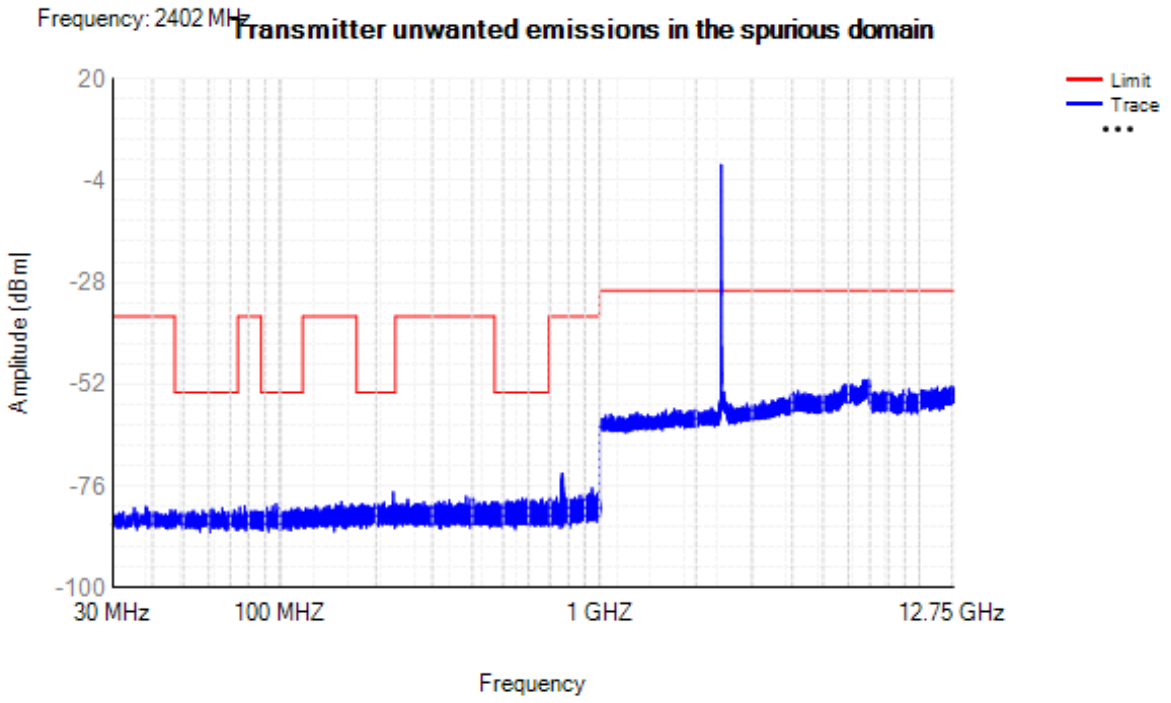
Tx. Spurious NVNT BLE 1M 2440MHz Ant1



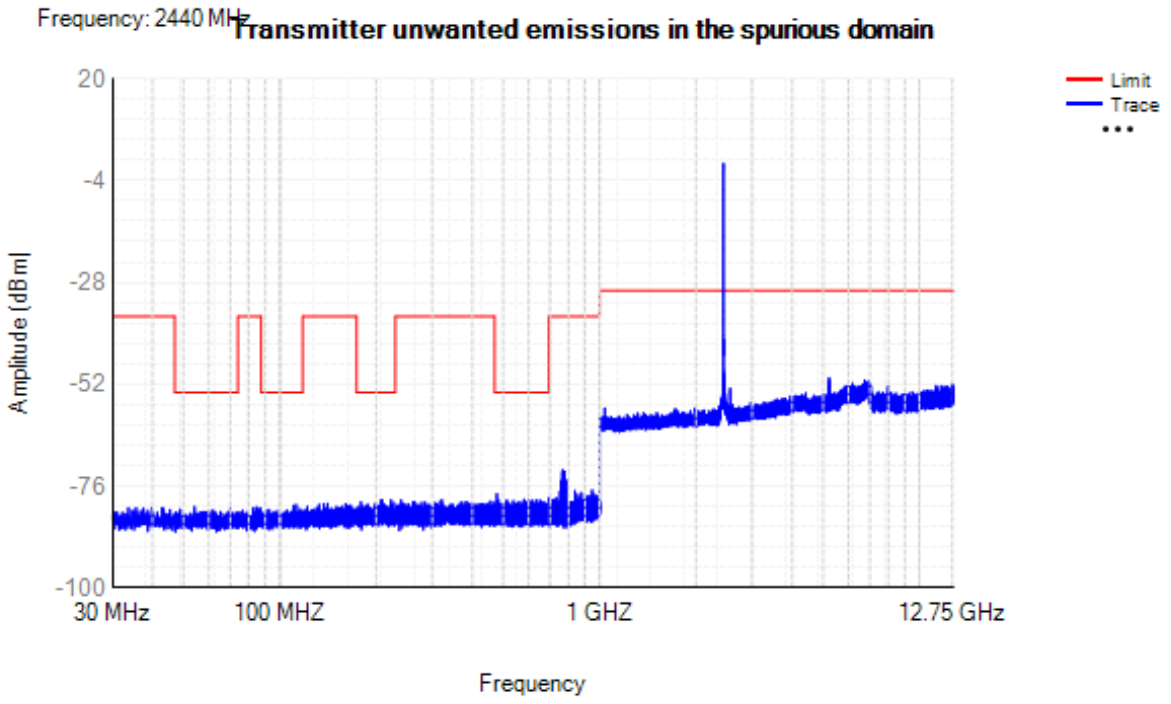
Tx. Spurious NVNT BLE 1M 2480MHz Ant1



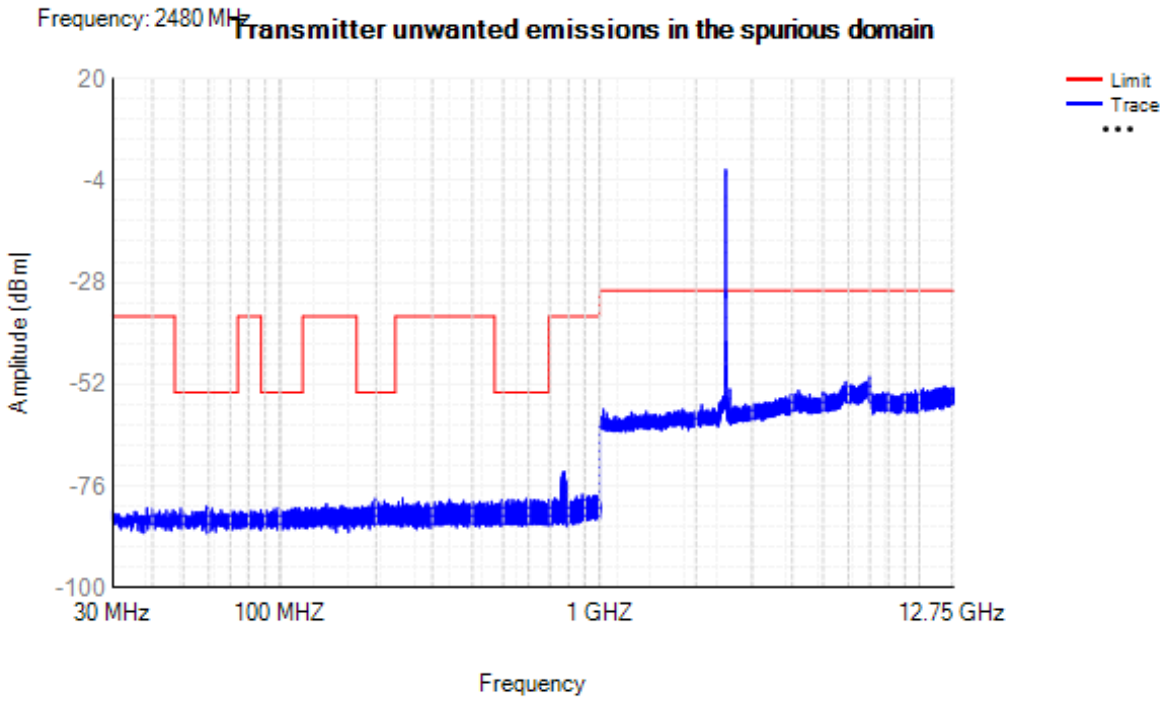
Tx. Spurious NVNT BLE 1M 2402MHz Ant2



Tx. Spurious NVNT BLE 1M 2440MHz Ant2



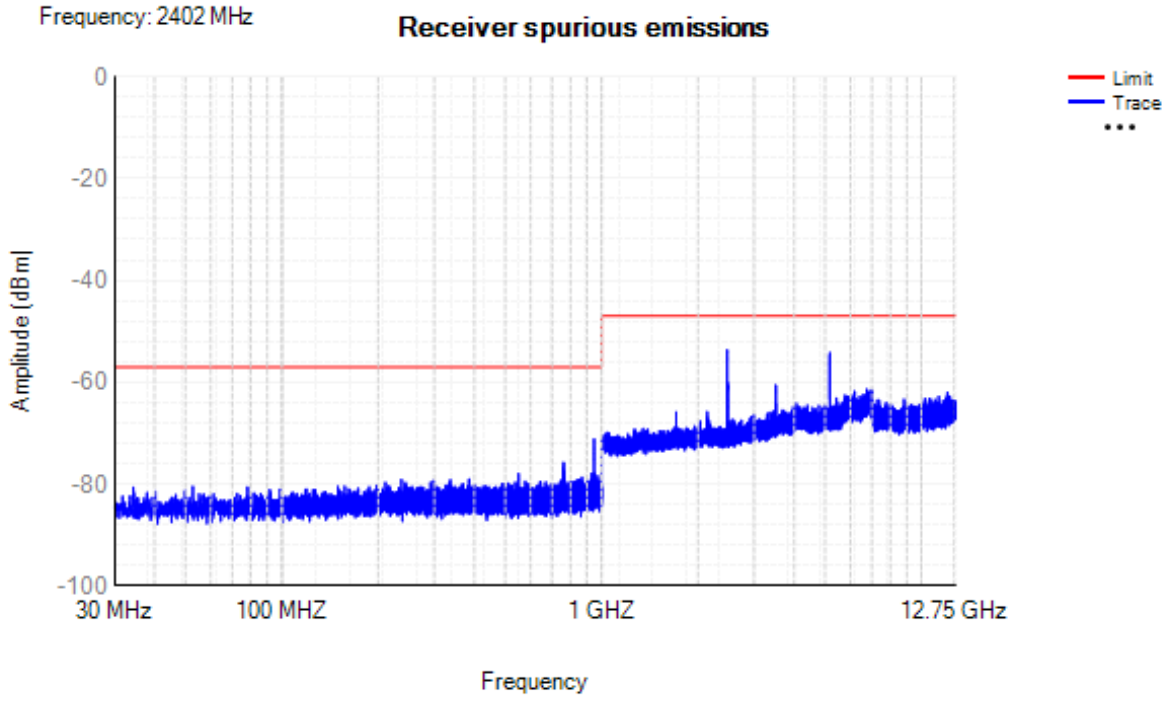
Tx. Spurious NVNT BLE 1M 2480MHz Ant2



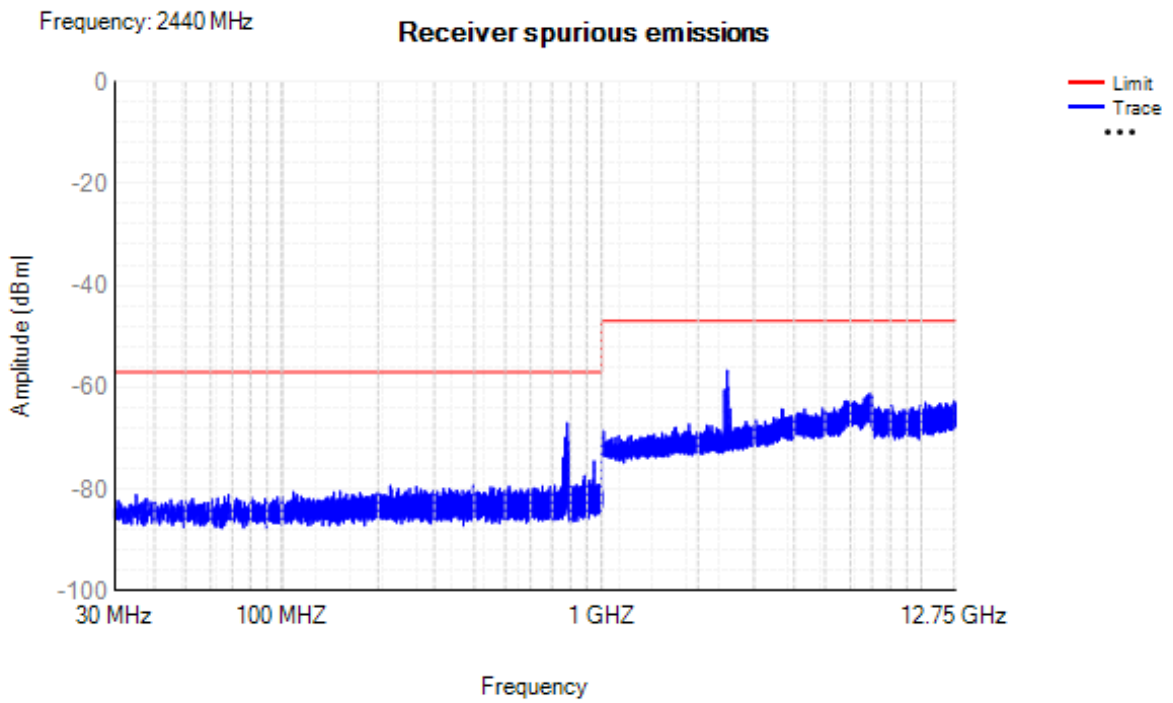
4.1.6 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	30 -1000	948.25	-71.15	NA	-57	Pass
NVNT	BLE 1M	2402	Ant1	1000 -12750	2471	-53.68	NA	-47	Pass
NVNT	BLE 1M	2440	Ant1	30 -1000	781.55	-67.00	NA	-57	Pass
NVNT	BLE 1M	2440	Ant1	1000 -12750	2470.5	-56.69	NA	-47	Pass
NVNT	BLE 1M	2480	Ant1	30 -1000	765.45	-70.64	NA	-57	Pass
NVNT	BLE 1M	2480	Ant1	1000 -12750	5194	-54.77	NA	-47	Pass
NVNT	BLE 1M	2402	Ant2	30 -1000	759.85	-76.08	NA	-57	Pass
NVNT	BLE 1M	2402	Ant2	1000 -12750	2473.5	-49.47	-50.78	-47	Pass
NVNT	BLE 1M	2440	Ant2	30 -1000	760	-71.29	NA	-57	Pass
NVNT	BLE 1M	2440	Ant2	1000 -12750	2468	-52.85	-53.94	-47	Pass
NVNT	BLE 1M	2480	Ant2	30 -1000	768.55	-73.21	NA	-57	Pass
NVNT	BLE 1M	2480	Ant2	1000 -12750	2473	-52.75	-51.48	-47	Pass

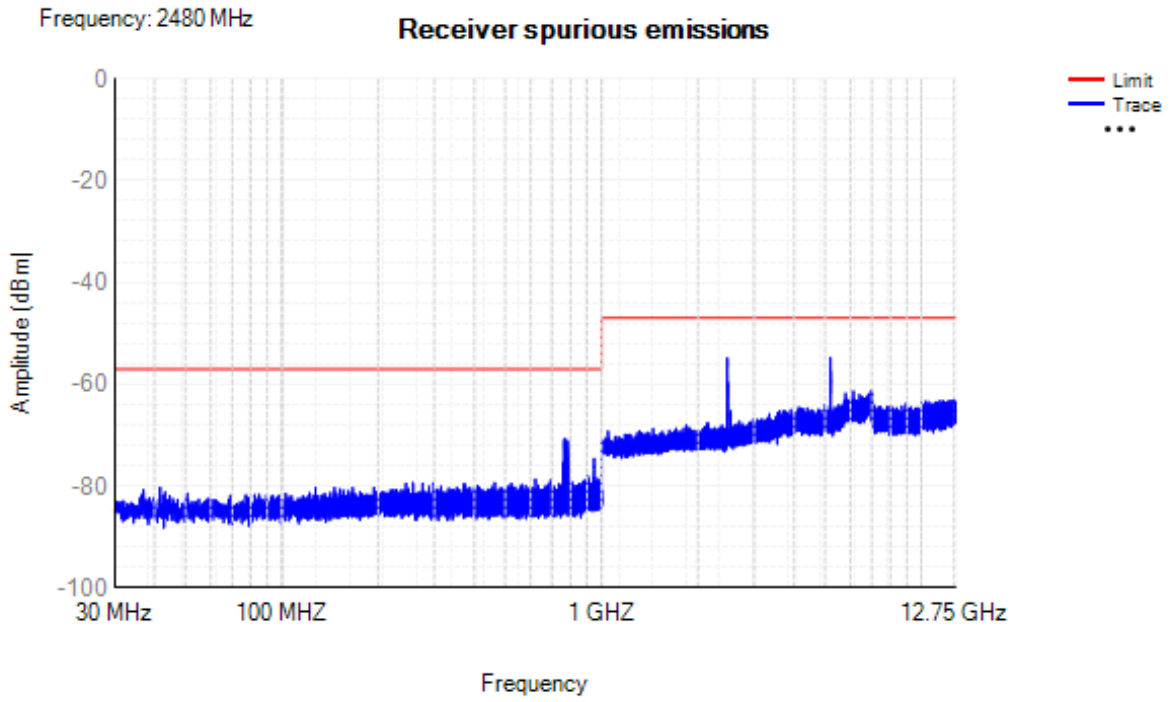
Test Graphs
Rx. Spurious NVNT BLE 1M 2402MHz Ant1



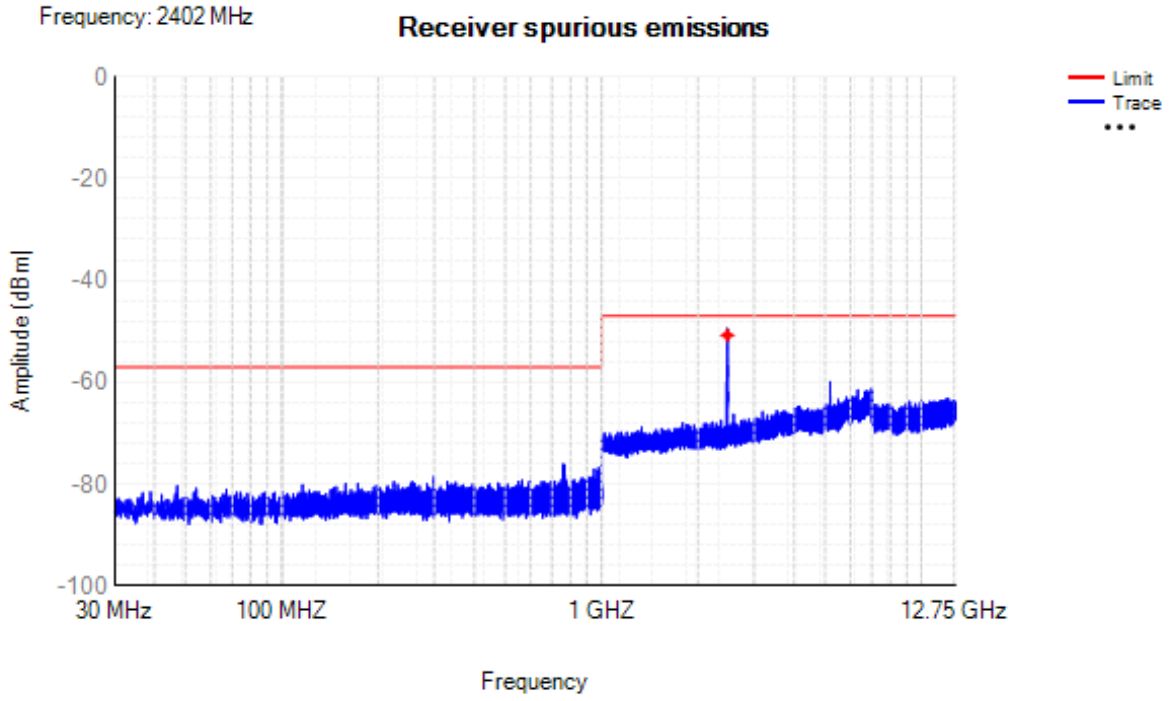
Rx. Spurious NVNT BLE 1M 2440MHz Ant1



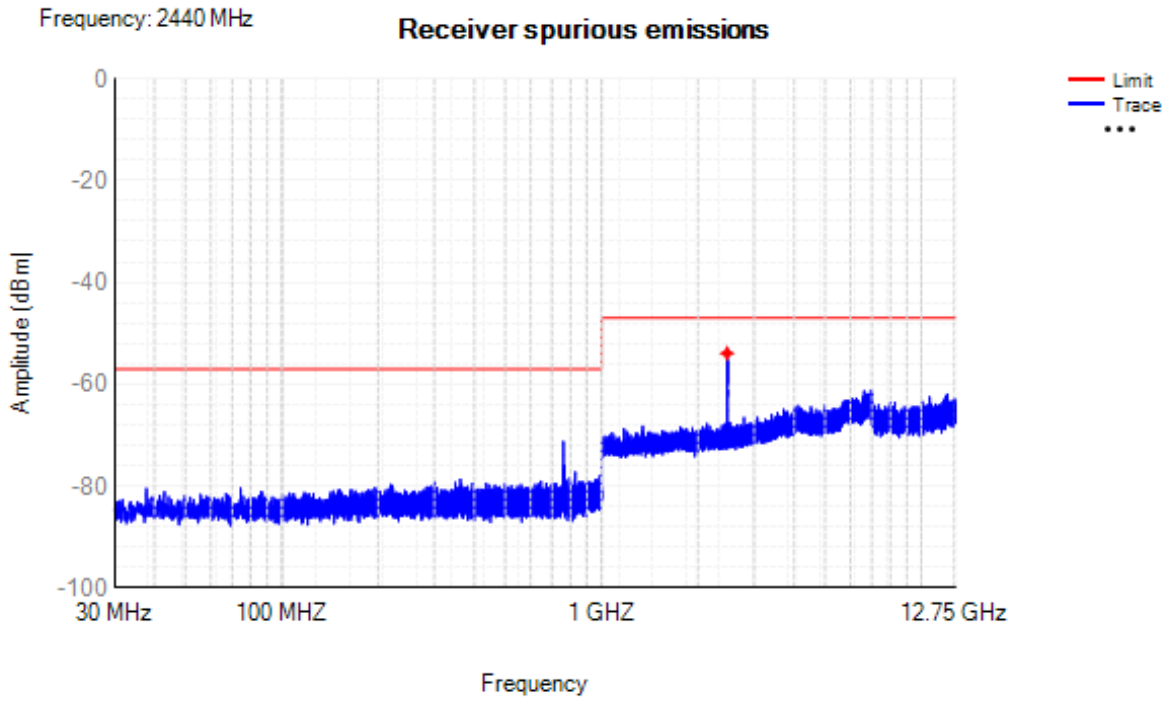
Rx. Spurious NVNT BLE 1M 2480MHz Ant1



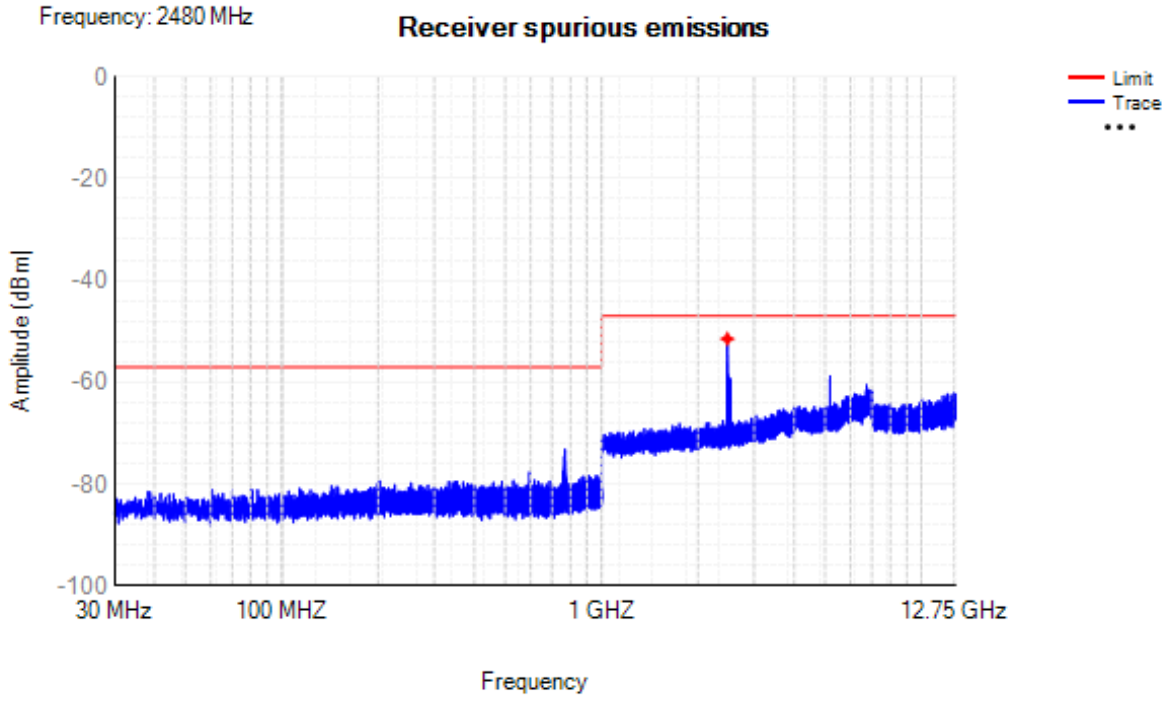
Rx. Spurious NVNT BLE 1M 2402MHz Ant2



Rx. Spurious NVNT BLE 1M 2440MHz Ant2



Rx. Spurious NVNT BLE 1M 2480MHz Ant2

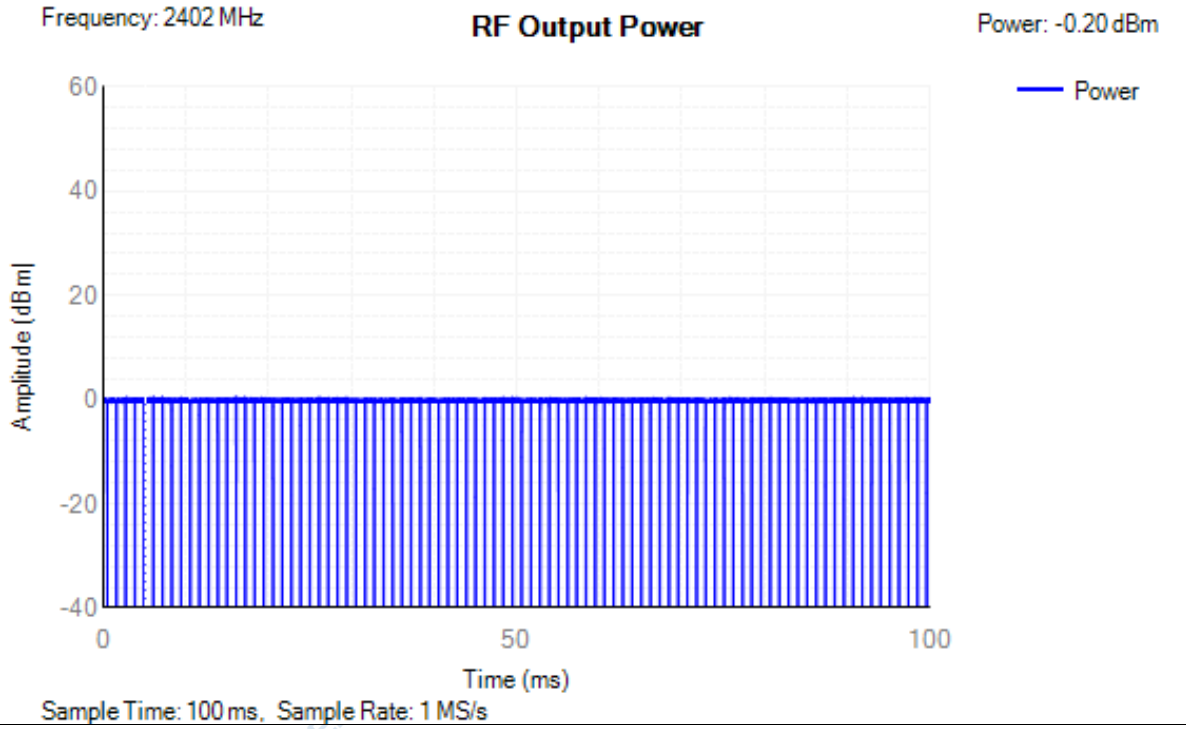


4.2 2M:

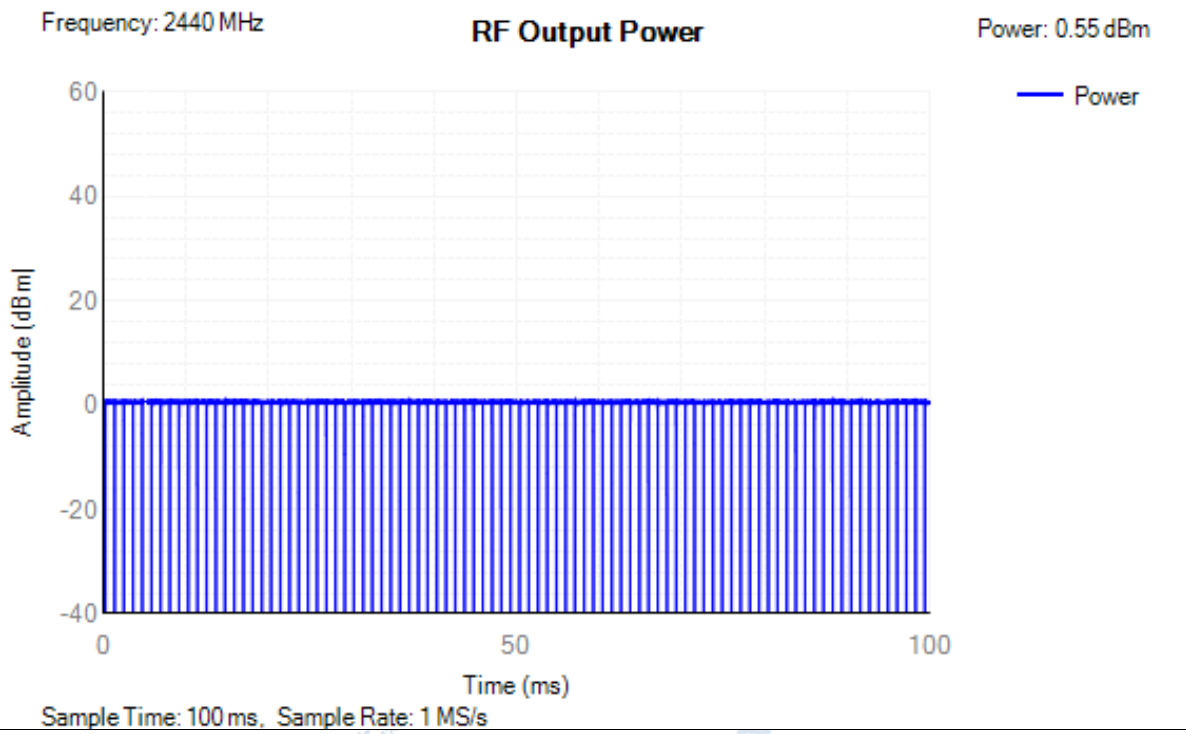
4.2.1 RF Output Power

Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-0.2	91	3.67	20	Pass
NVNT	BLE 2M	2440	Ant1	0.55	91	4.42	20	Pass
NVNT	BLE 2M	2480	Ant1	0.15	90	4.02	20	Pass
NVNT	BLE 2M	2402	Ant2	0.48	90	6.65	20	Pass
NVNT	BLE 2M	2440	Ant2	0.91	91	7.08	20	Pass
NVNT	BLE 2M	2480	Ant2	-0.66	91	5.51	20	Pass
NVLT	BLE 2M	2402	Ant1	-1.05	91	2.82	20	Pass
NVLT	BLE 2M	2440	Ant1	-0.23	91	3.64	20	Pass
NVLT	BLE 2M	2480	Ant1	-0.39	90	3.48	20	Pass
NVLT	BLE 2M	2402	Ant2	-0.37	90	5.8	20	Pass
NVLT	BLE 2M	2440	Ant2	0.13	91	6.3	20	Pass
NVLT	BLE 2M	2480	Ant2	-1.2	91	4.97	20	Pass
NVHT	BLE 2M	2402	Ant1	-1.11	91	2.76	20	Pass
NVHT	BLE 2M	2440	Ant1	-0.13	91	3.74	20	Pass
NVHT	BLE 2M	2480	Ant1	-0.19	90	3.68	20	Pass
NVHT	BLE 2M	2402	Ant2	-0.43	90	5.74	20	Pass
NVHT	BLE 2M	2440	Ant2	0.23	91	6.4	20	Pass
NVHT	BLE 2M	2480	Ant2	-1	91	5.17	20	Pass

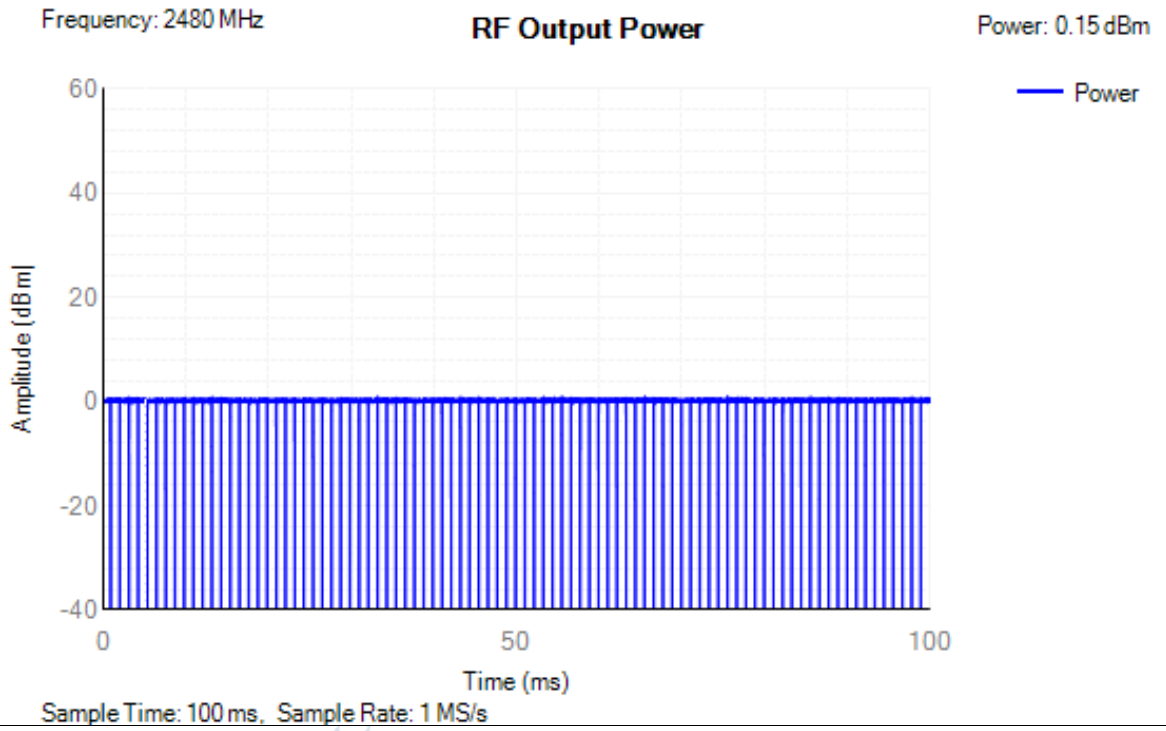
Test Graphs
Power NVNT BLE 2M 2402MHz Ant1



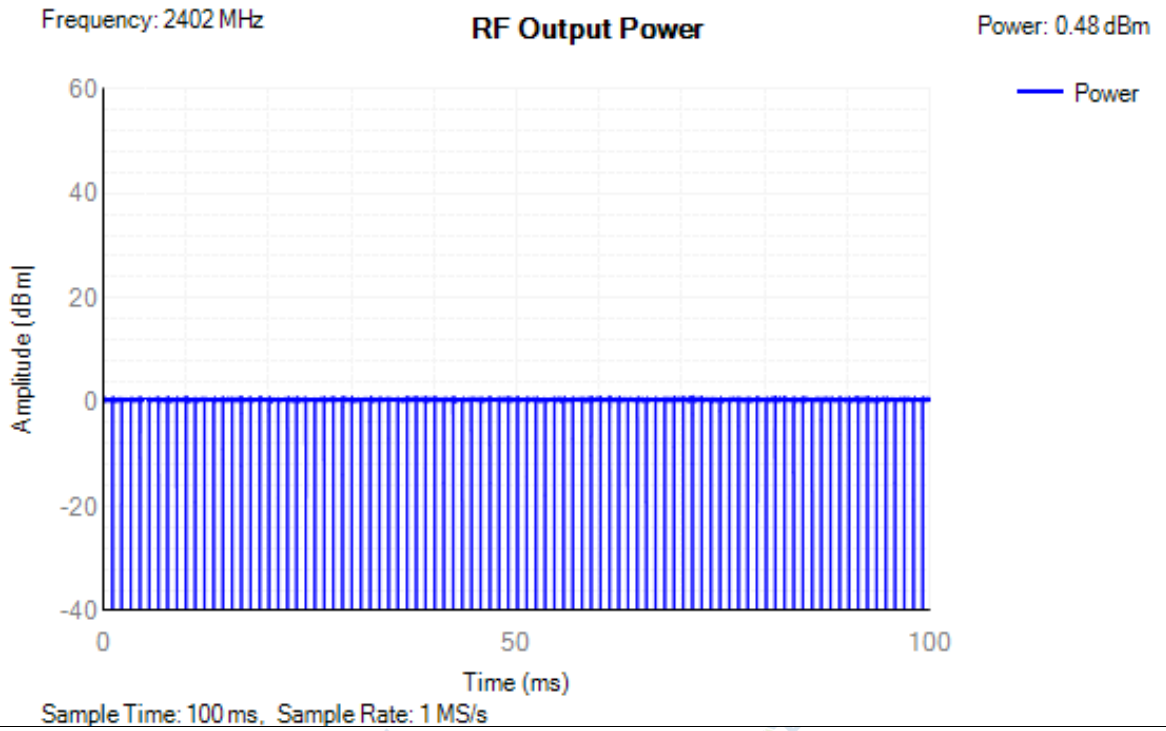
Power NVNT BLE 2M 2440MHz Ant1



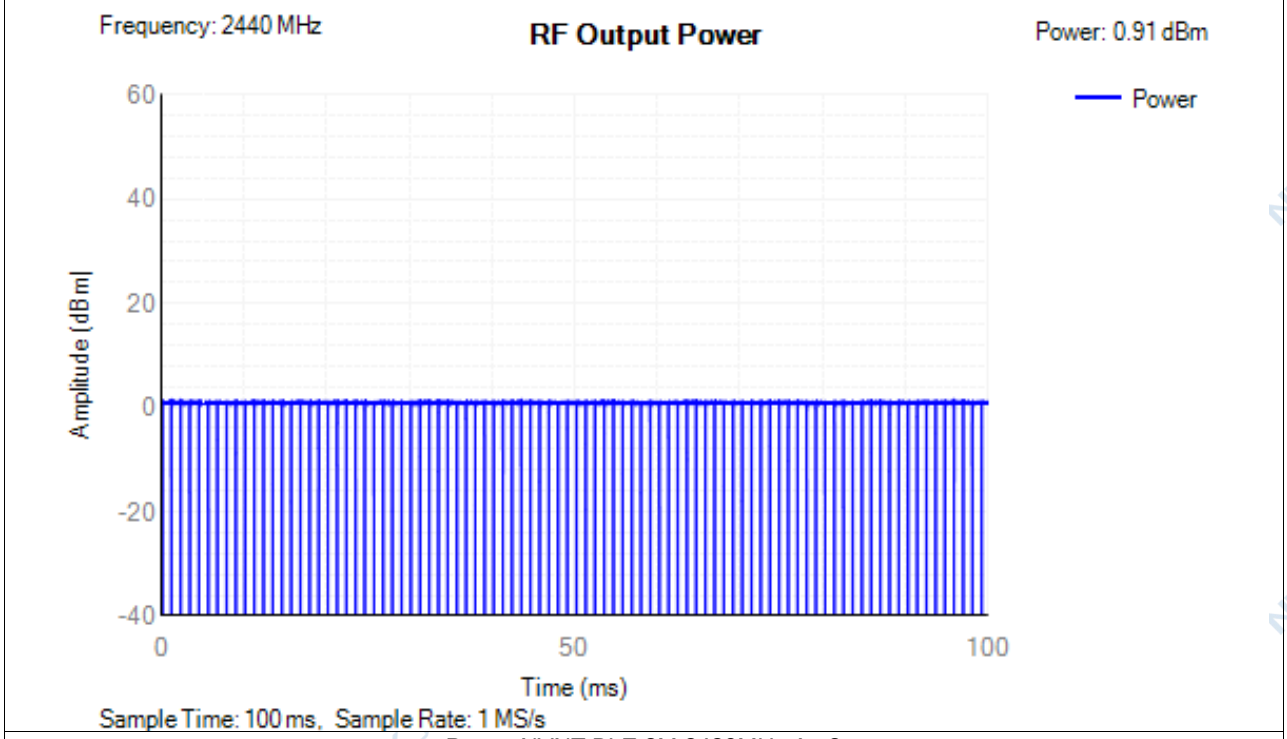
Power NVNT BLE 2M 2480MHz Ant1



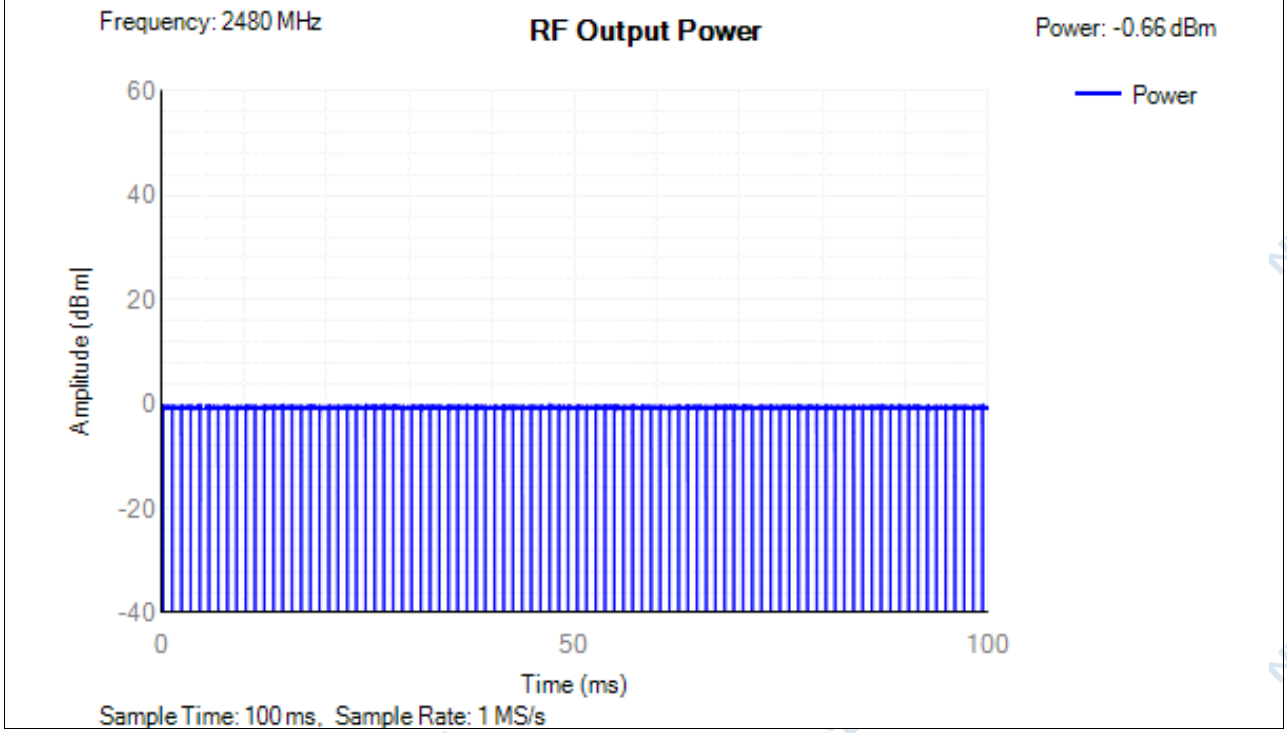
Power NVNT BLE 2M 2402MHz Ant2



Power NVNT BLE 2M 2440MHz Ant2



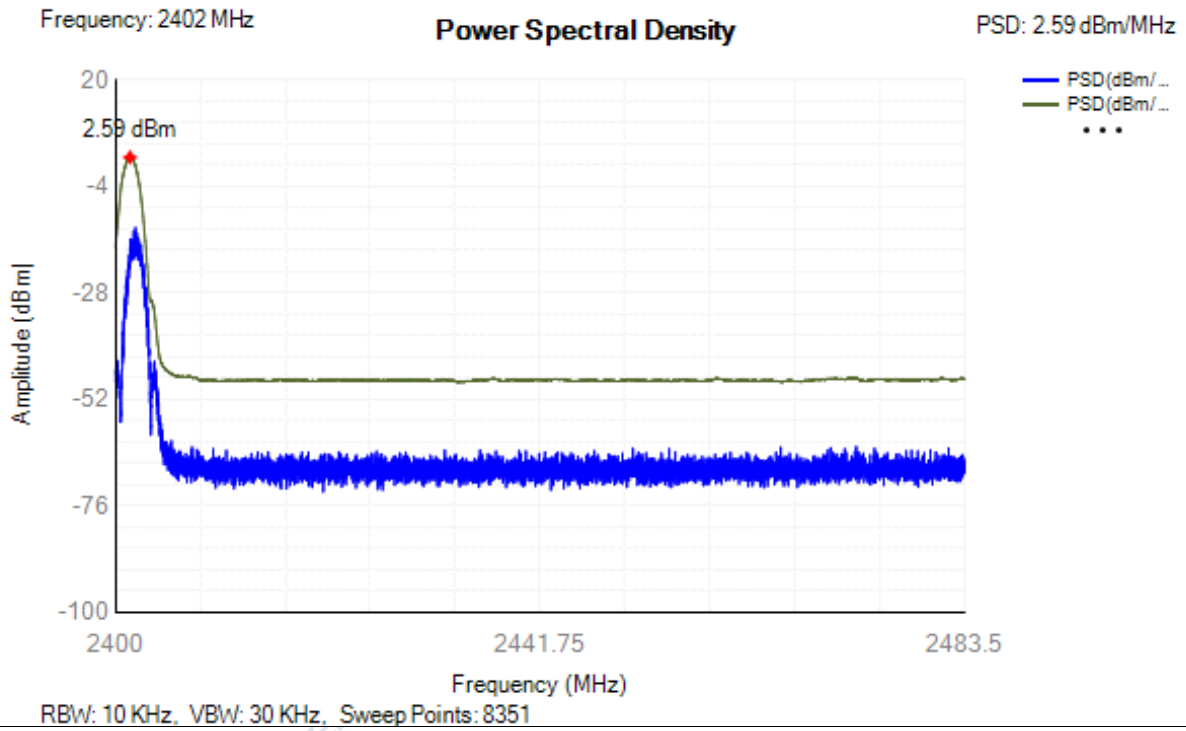
Power NVNT BLE 2M 2480MHz Ant2



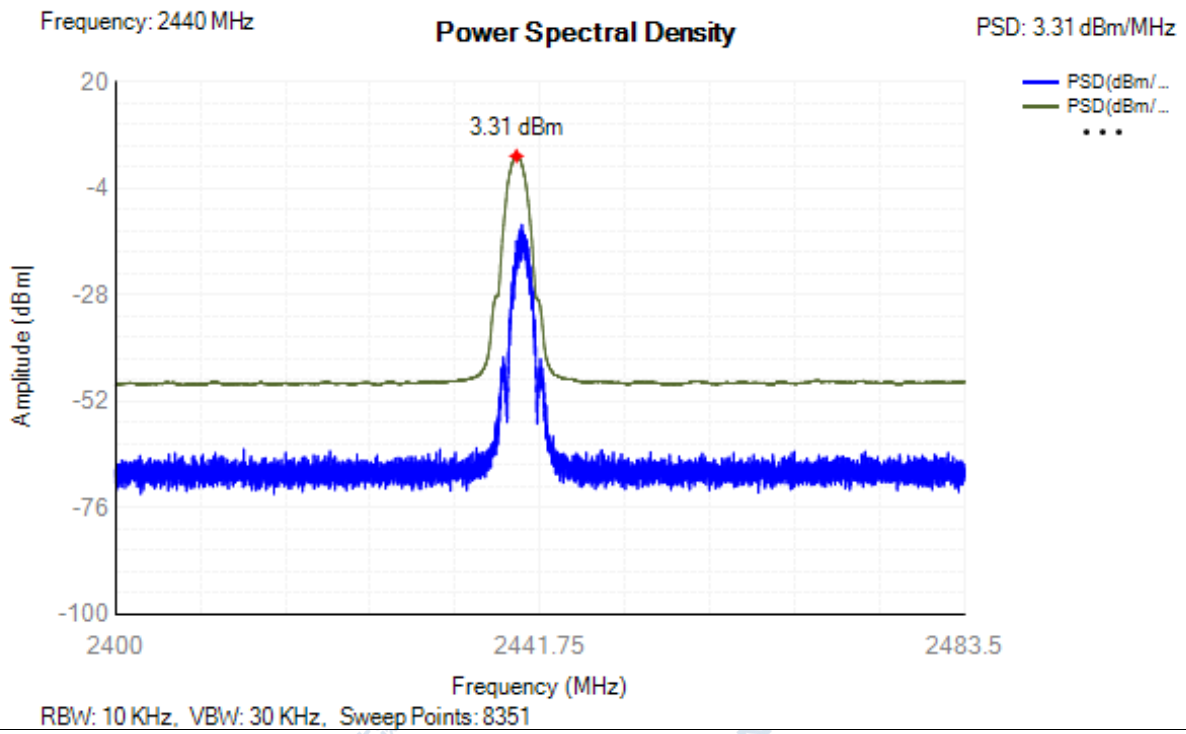
4.2.2 Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	2.59	10	Pass
NVNT	BLE 2M	2440	Ant1	3.31	10	Pass
NVNT	BLE 2M	2480	Ant1	2.98	10	Pass
NVNT	BLE 2M	2402	Ant2	5.59	10	Pass
NVNT	BLE 2M	2440	Ant2	6	10	Pass
NVNT	BLE 2M	2480	Ant2	4.46	10	Pass

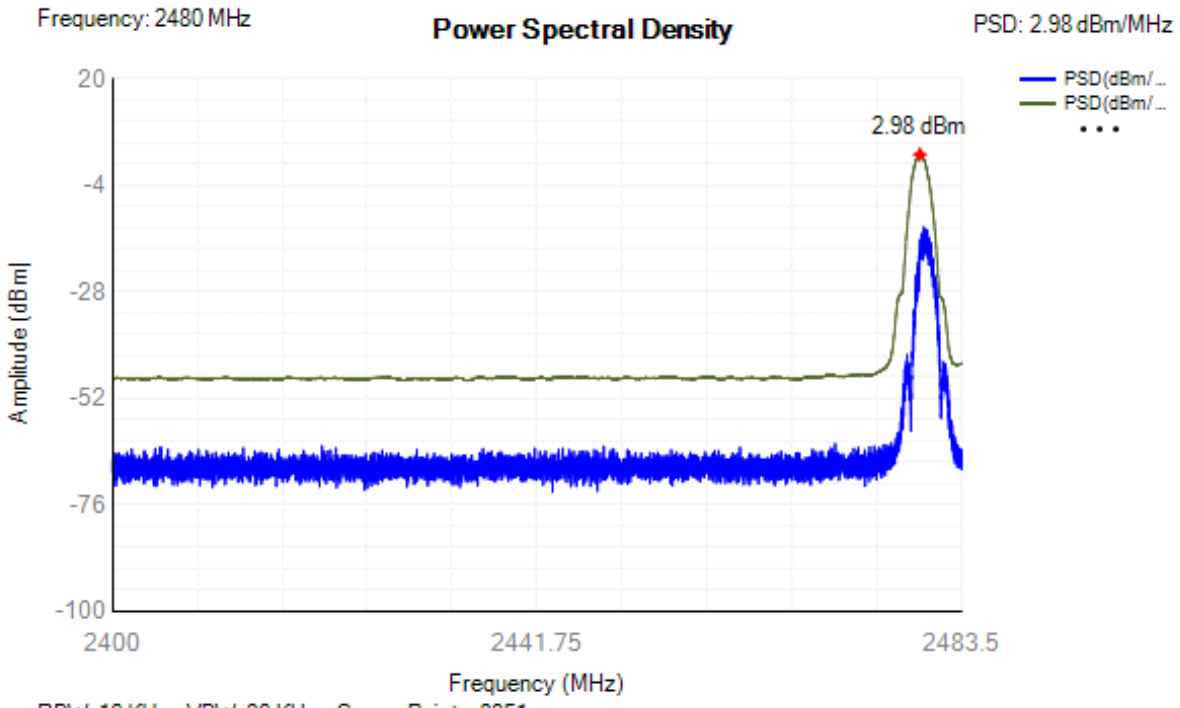
Test Graphs
PSD NVNT BLE 2M 2402MHz Ant1



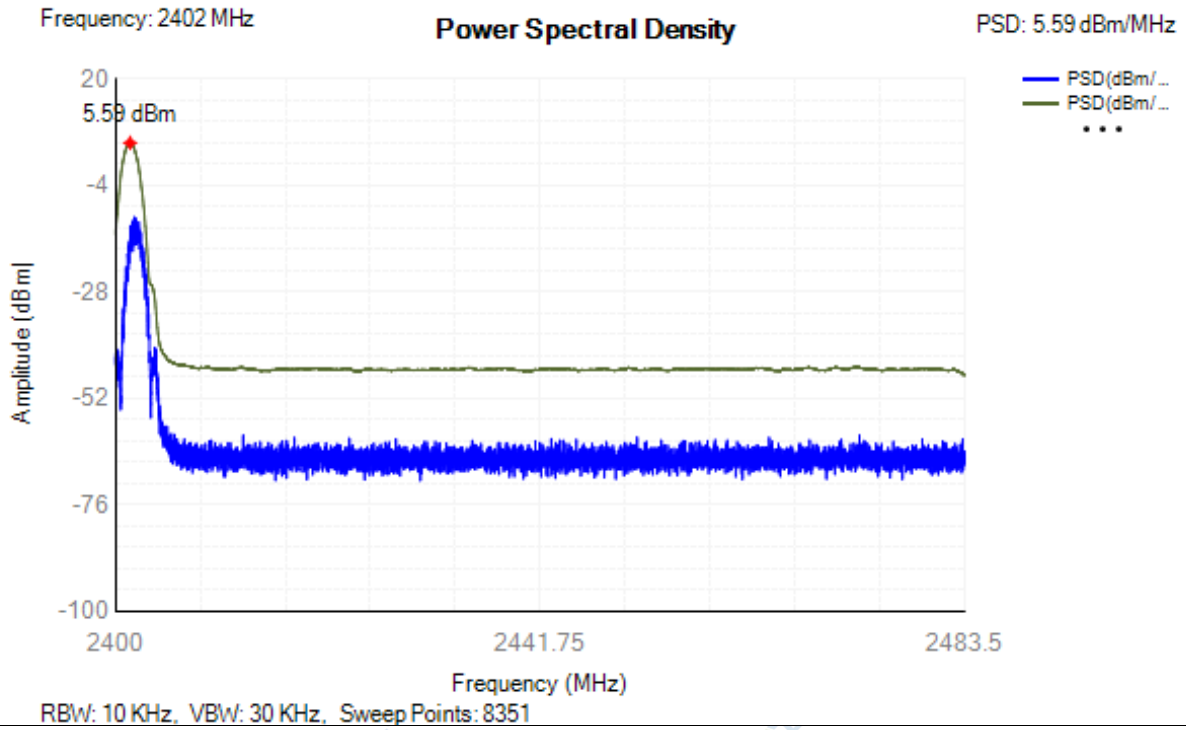
PSD NVNT BLE 2M 2440MHz Ant1



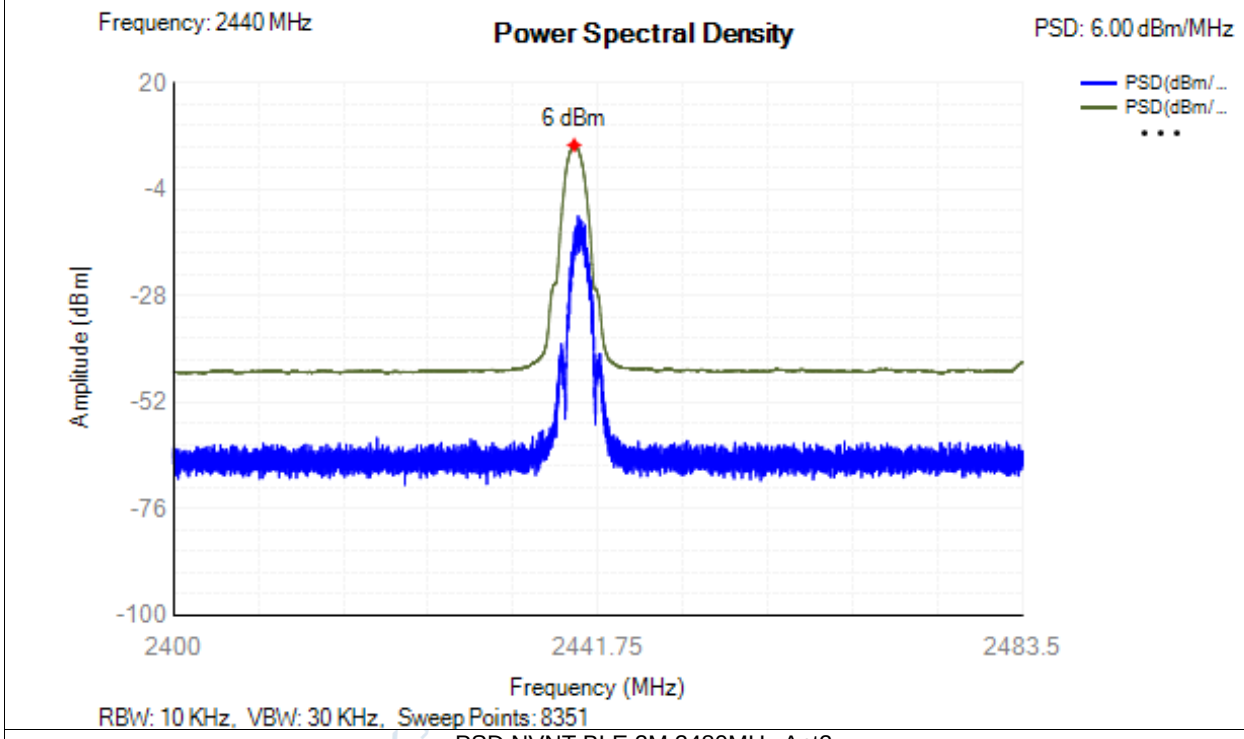
PSD NVNT BLE 2M 2480MHz Ant1



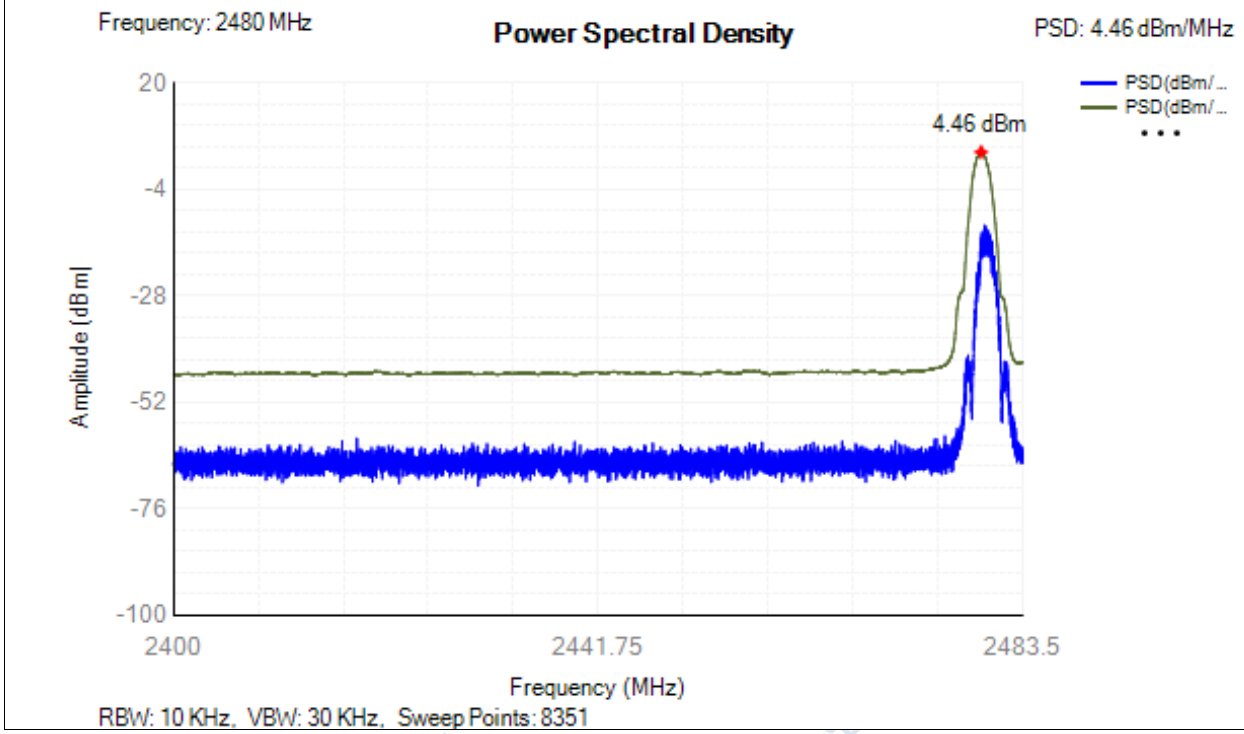
PSD NVNT BLE 2M 2402MHz Ant2



PSD NVNT BLE 2M 2440MHz Ant2



PSD NVNT BLE 2M 2480MHz Ant2

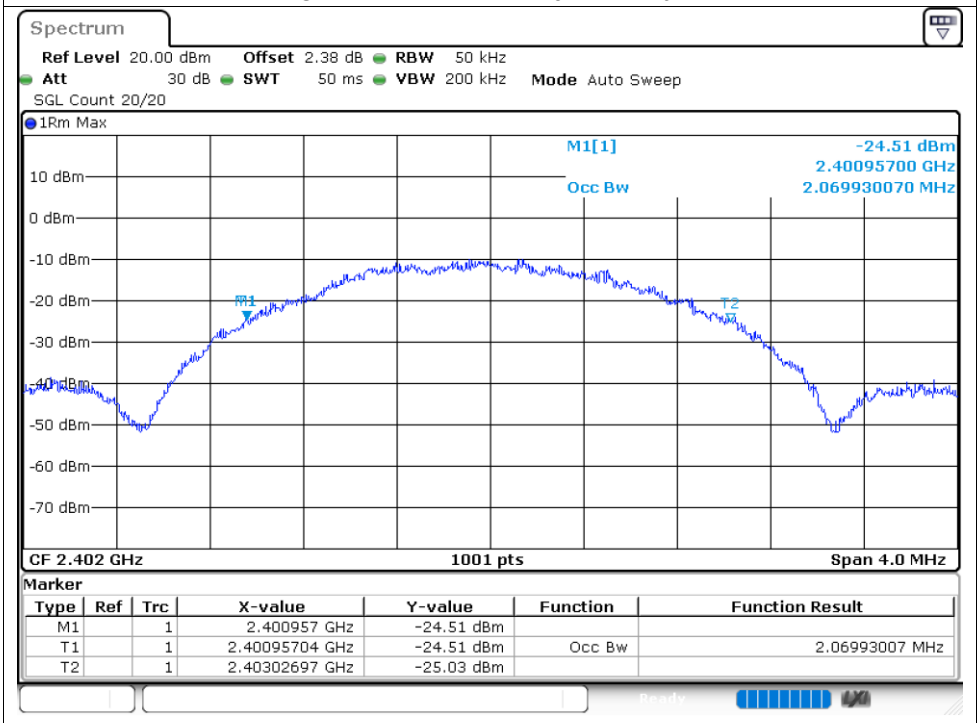


4.2.3 Occupied Channel Bandwidth

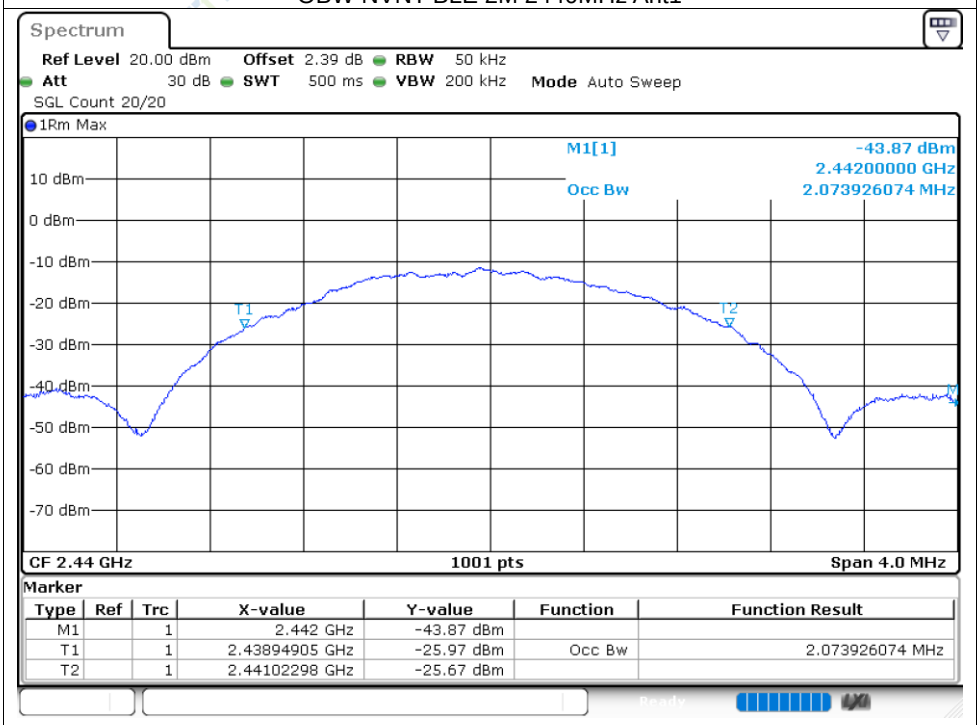
Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	2401.992	2.07	2400.957	2403.027	2400 - 2483.5MHz	Pass
NVNT	BLE 2M	2440	Ant1	2439.986	2.074	2438.949	2441.023	2400 - 2483.5MHz	Pass
NVNT	BLE 2M	2480	Ant1	2479.986	2.074	2478.949	2481.023	2400 - 2483.5MHz	Pass
NVNT	BLE 2M	2402	Ant2	2401.994	2.066	2400.961	2403.027	2400 - 2483.5MHz	Pass
NVNT	BLE 2M	2440	Ant2	2439.99	2.074	2438.953	2441.027	2400 - 2483.5MHz	Pass
NVNT	BLE 2M	2480	Ant2	2479.986	2.074	2478.949	2481.023	2400 - 2483.5MHz	Pass

Test Graphs

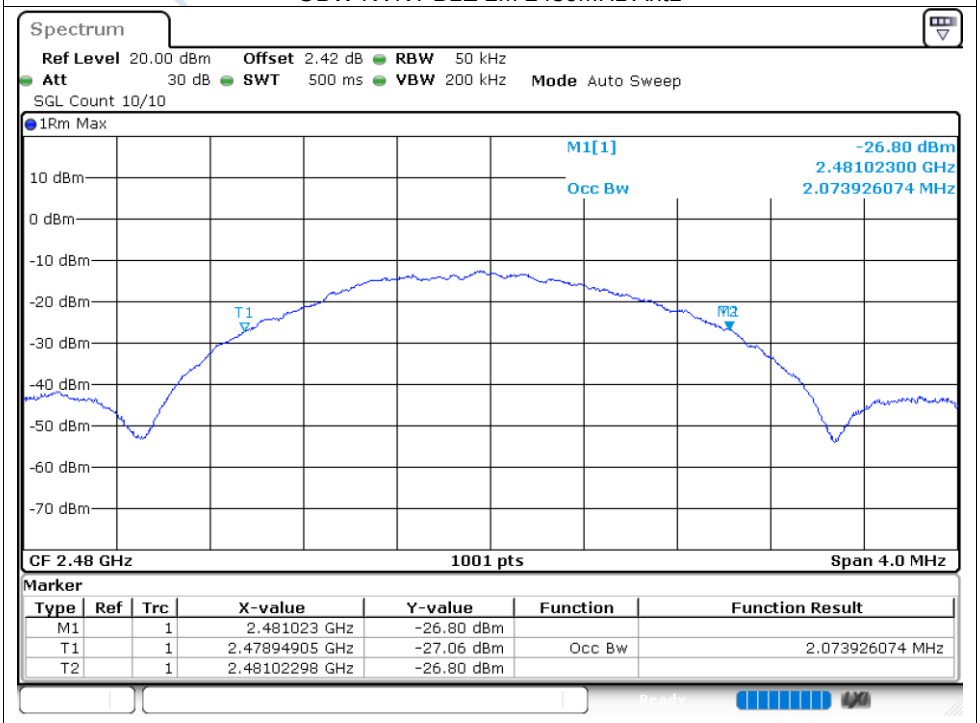
OBW NVNT BLE 2M 2402MHz Ant1



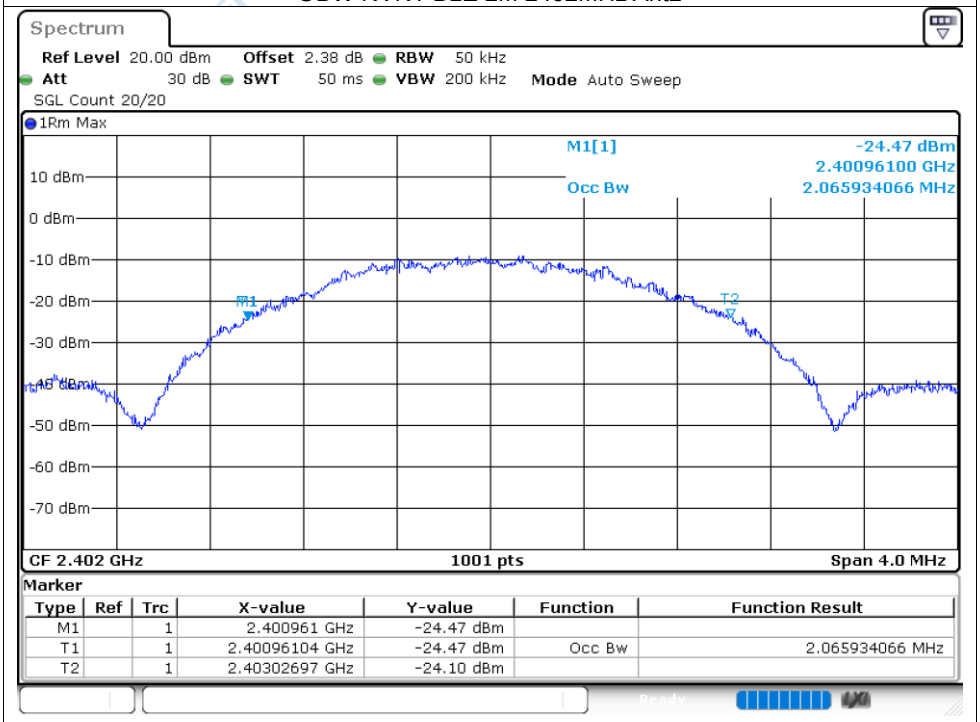
OBW NVNT BLE 2M 2440MHz Ant1



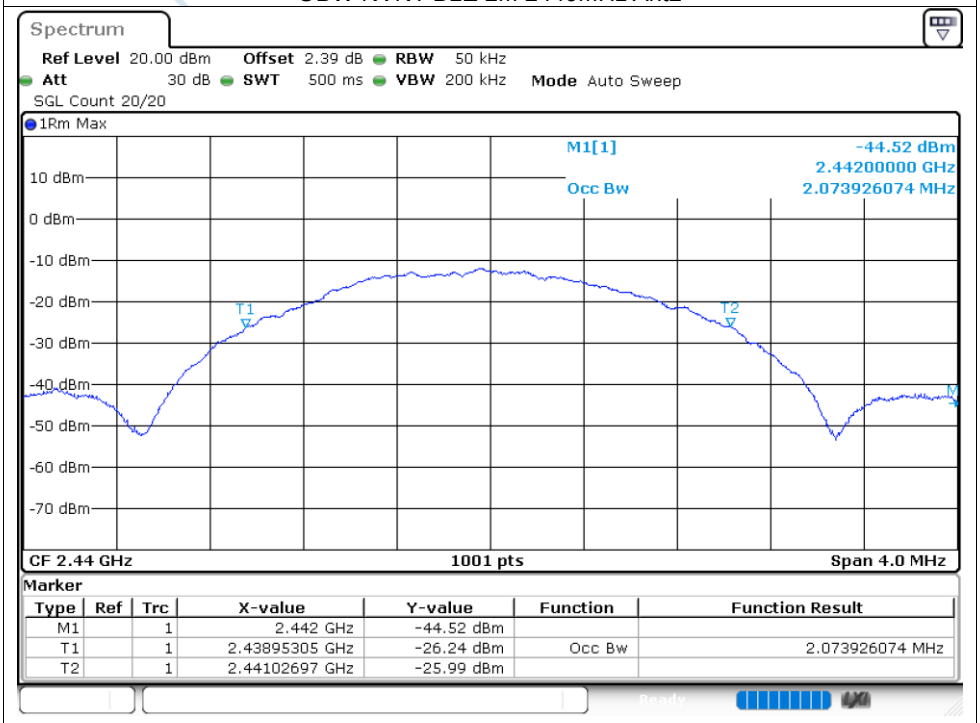
OBW NVNT BLE 2M 2480MHz Ant1



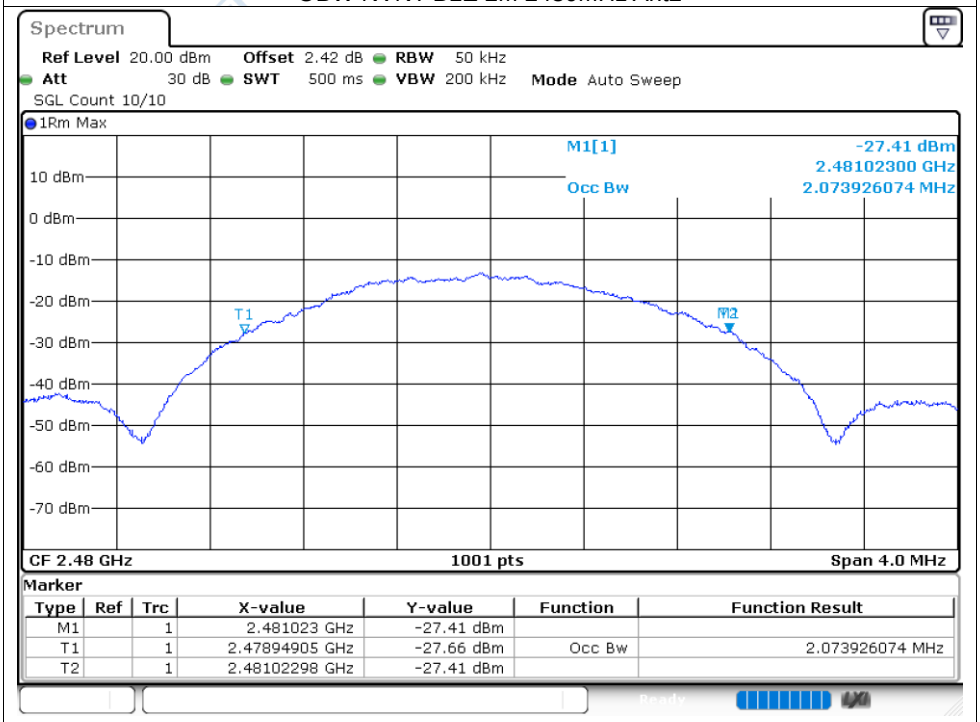
OBW NVNT BLE 2M 2402MHz Ant2



OBW NVNT BLE 2M 2440MHz Ant2



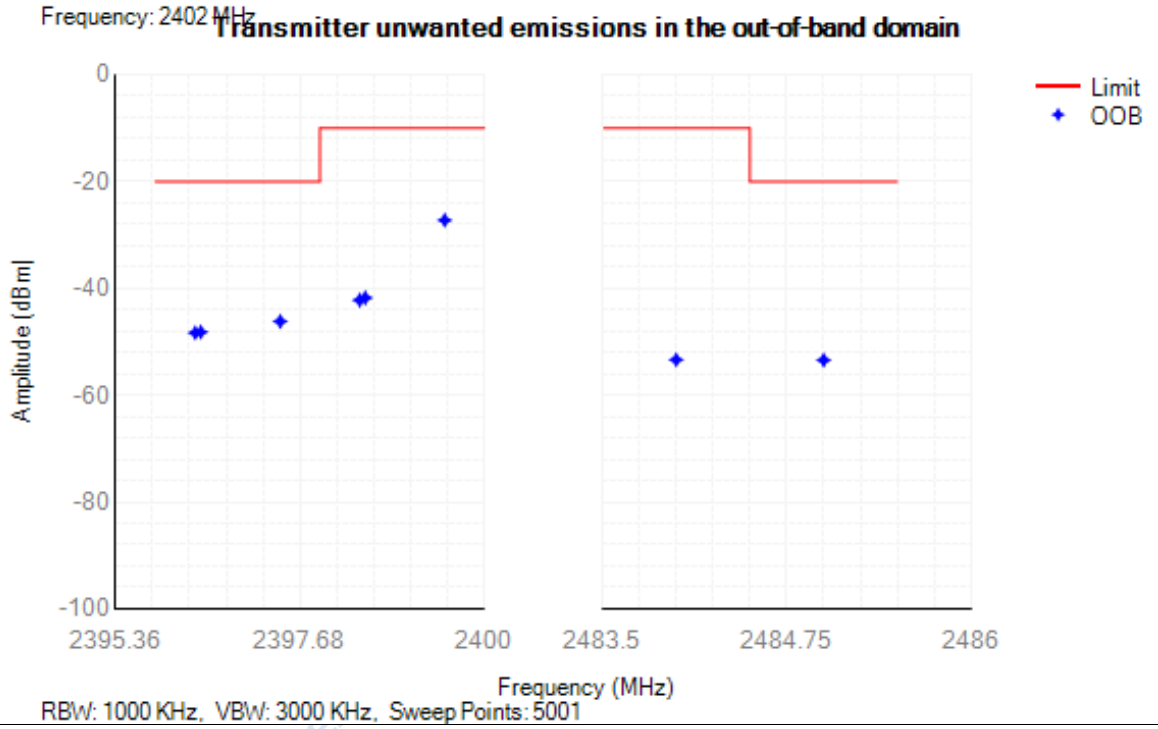
OBW NVNT BLE 2M 2480MHz Ant2



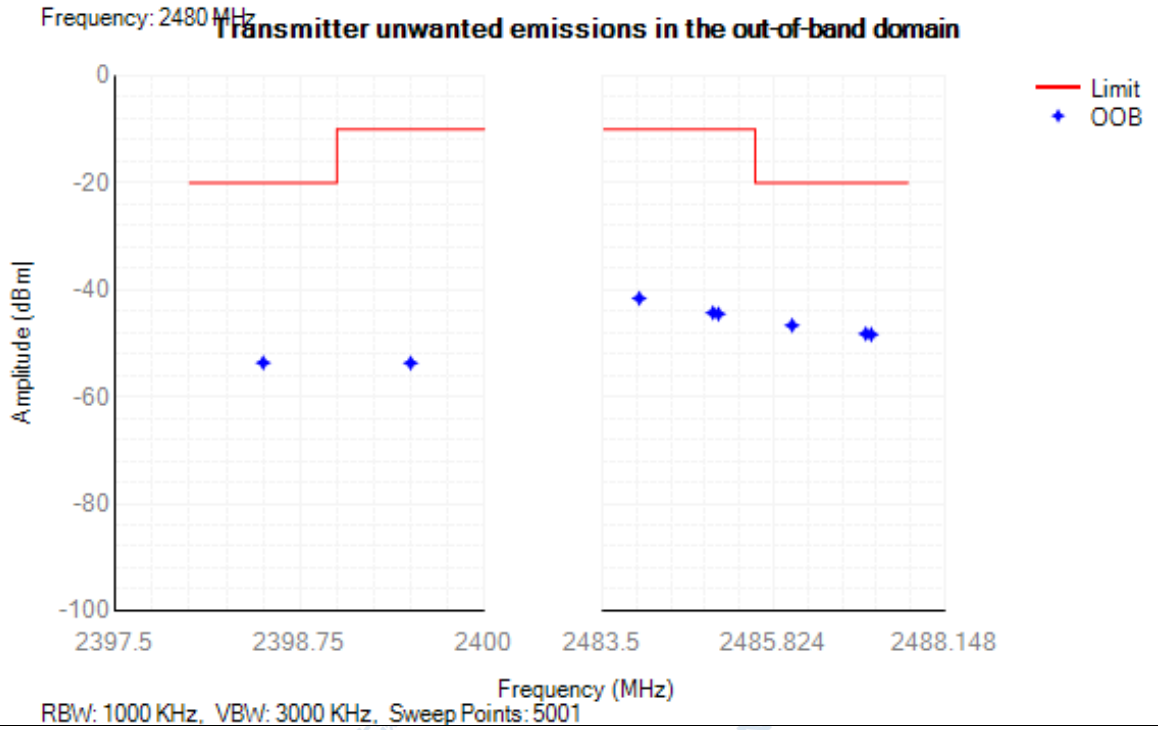
4.2.4 Transmitter unwanted emissions in the out-of-band domain

Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	2399.5	-27.25	-10	Pass
NVNT	BLE 2M	2402	Ant1	2398.5	-41.78	-10	Pass
NVNT	BLE 2M	2402	Ant1	2398.43	-42.21	-10	Pass
NVNT	BLE 2M	2402	Ant1	2397.43	-46.18	-20	Pass
NVNT	BLE 2M	2402	Ant1	2396.43	-48.18	-20	Pass
NVNT	BLE 2M	2402	Ant1	2396.36	-48.32	-20	Pass
NVNT	BLE 2M	2402	Ant1	2484	-53.37	-10	Pass
NVNT	BLE 2M	2402	Ant1	2485	-53.44	-20	Pass
NVNT	BLE 2M	2480	Ant1	2399.5	-53.69	-10	Pass
NVNT	BLE 2M	2480	Ant1	2398.5	-53.65	-20	Pass
NVNT	BLE 2M	2480	Ant1	2484	-41.6	-10	Pass
NVNT	BLE 2M	2480	Ant1	2485	-44.31	-10	Pass
NVNT	BLE 2M	2480	Ant1	2485.074	-44.51	-10	Pass
NVNT	BLE 2M	2480	Ant1	2486.074	-46.65	-20	Pass
NVNT	BLE 2M	2480	Ant1	2487.074	-48.23	-20	Pass
NVNT	BLE 2M	2480	Ant1	2487.148	-48.36	-20	Pass
NVNT	BLE 2M	2402	Ant2	2399.5	-24.21	-10	Pass
NVNT	BLE 2M	2402	Ant2	2398.5	-38.67	-10	Pass
NVNT	BLE 2M	2402	Ant2	2398.434	-39.08	-10	Pass
NVNT	BLE 2M	2402	Ant2	2397.434	-43.17	-20	Pass
NVNT	BLE 2M	2402	Ant2	2396.434	-45.17	-20	Pass
NVNT	BLE 2M	2402	Ant2	2396.368	-45.3	-20	Pass
NVNT	BLE 2M	2402	Ant2	2484	-51.56	-10	Pass
NVNT	BLE 2M	2402	Ant2	2485	-51.63	-20	Pass
NVNT	BLE 2M	2480	Ant2	2399.5	-51.03	-10	Pass
NVNT	BLE 2M	2480	Ant2	2398.5	-51.02	-20	Pass
NVNT	BLE 2M	2480	Ant2	2484	-40.33	-10	Pass
NVNT	BLE 2M	2480	Ant2	2485	-43.32	-10	Pass
NVNT	BLE 2M	2480	Ant2	2485.074	-43.55	-10	Pass
NVNT	BLE 2M	2480	Ant2	2486.074	-45.84	-20	Pass
NVNT	BLE 2M	2480	Ant2	2487.074	-47.43	-20	Pass
NVNT	BLE 2M	2480	Ant2	2487.148	-47.56	-20	Pass

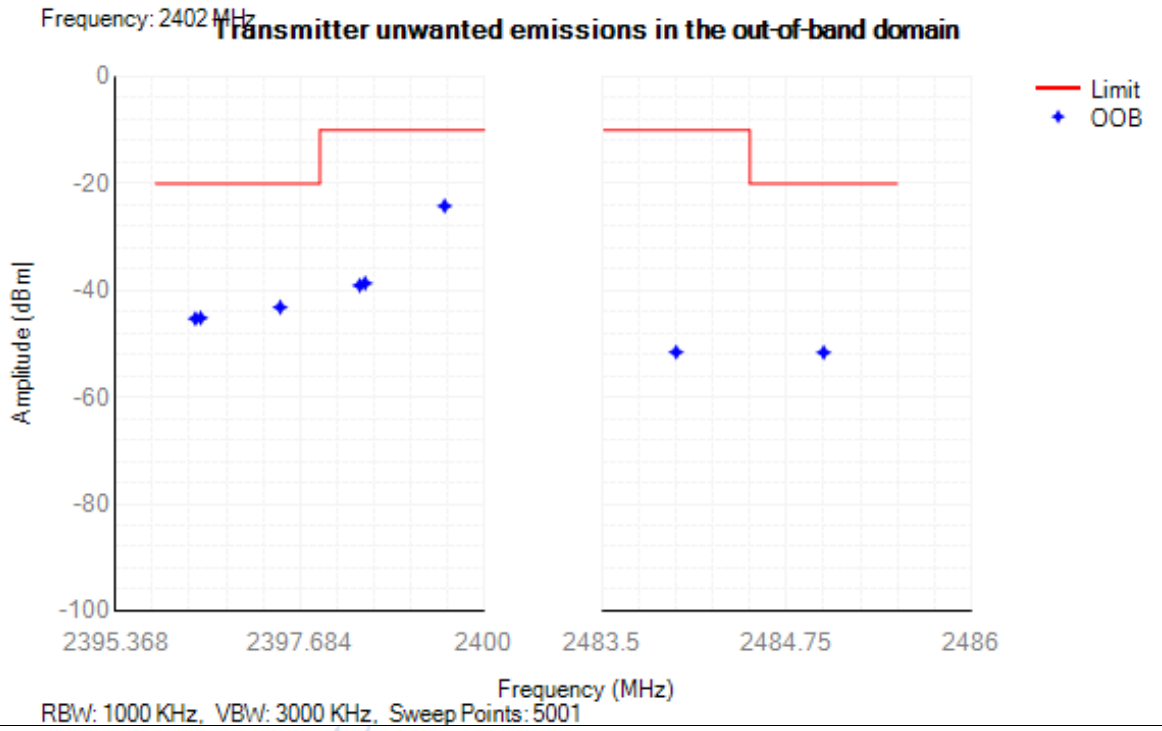
Test Graphs
Tx. Emissions OOB NVNT BLE 2M 2402MHz Ant1



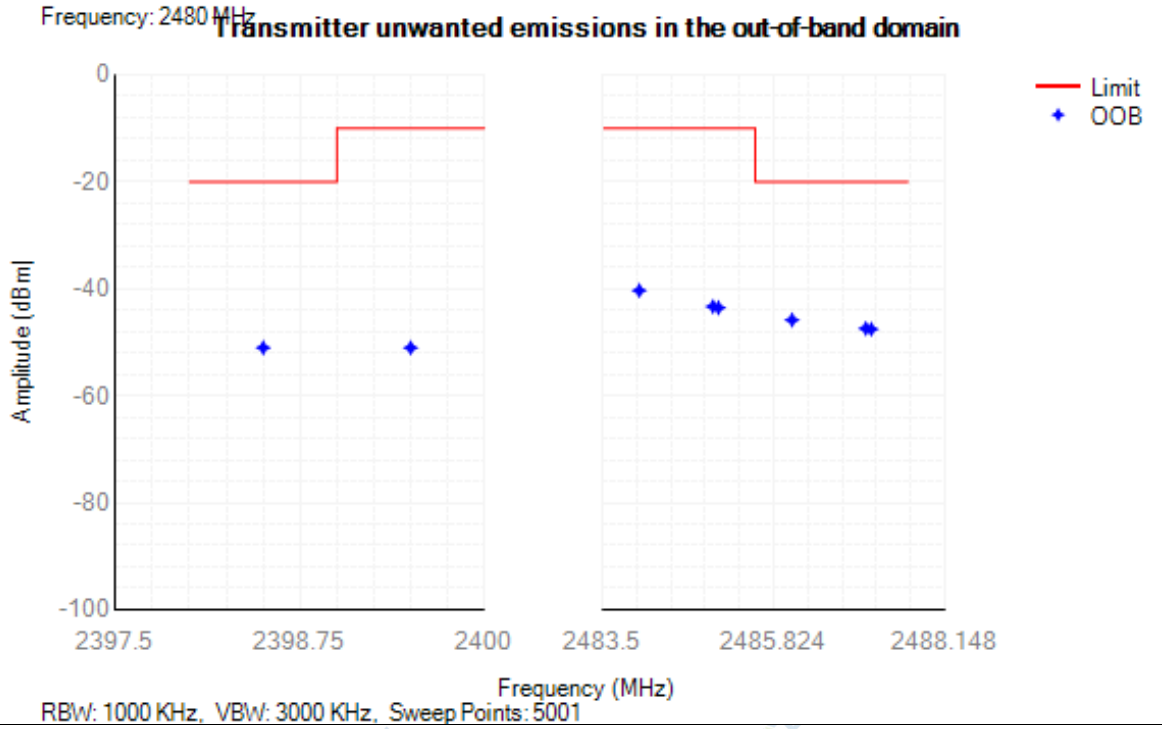
Tx. Emissions OOB NVNT BLE 2M 2480MHz Ant1



Tx. Emissions OOB NVNT BLE 2M 2402MHz Ant2



Tx. Emissions OOB NVNT BLE 2M 2480MHz Ant2

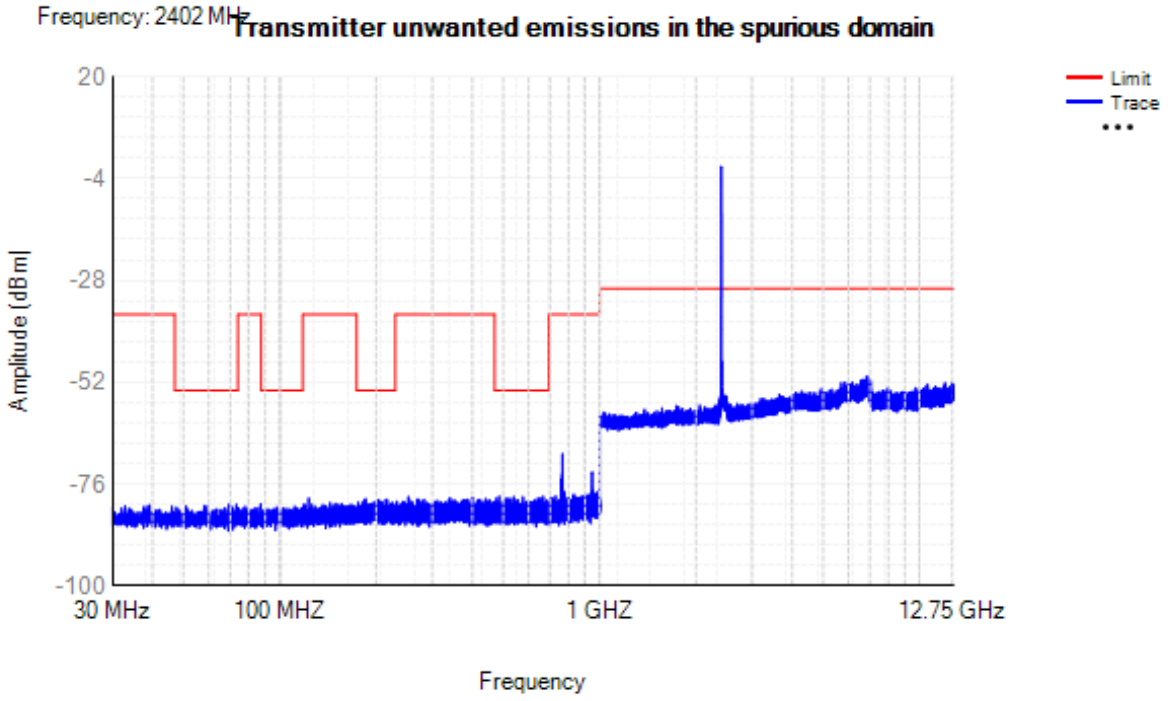


4.2.5 Transmitter unwanted emissions in the spurious domain

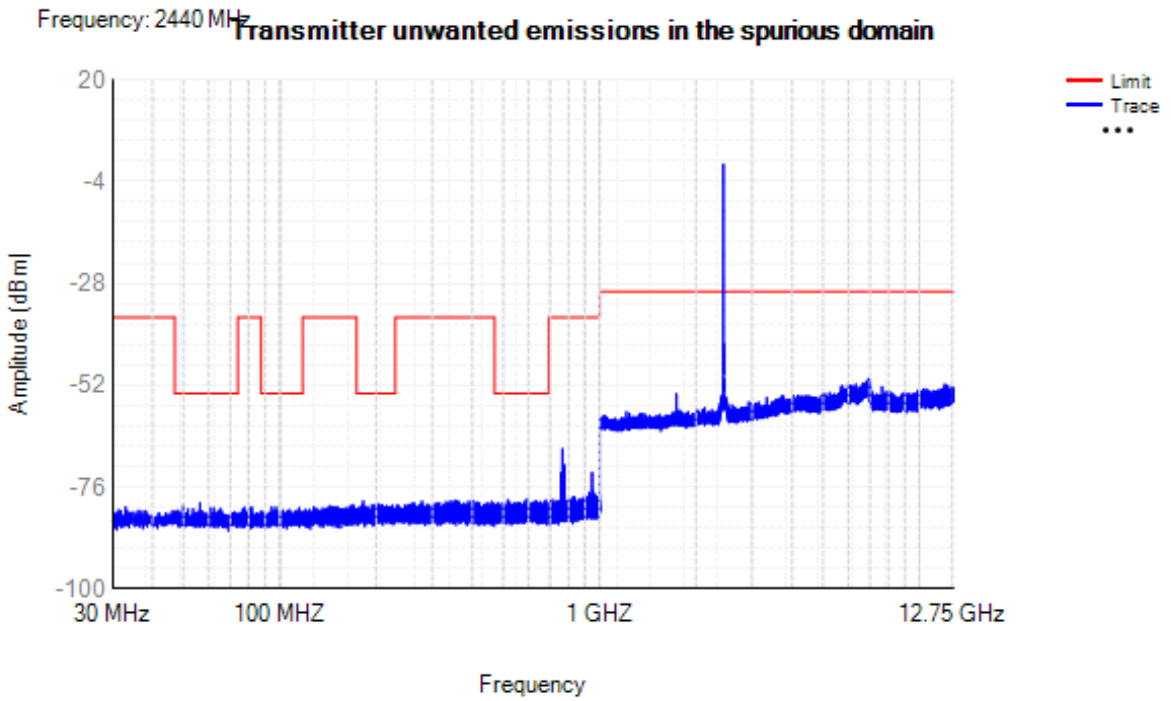
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	30 -47	39.20	-80.96	NA	-36	Pass
NVNT	BLE 2M	2402	Ant1	47 -74	69.35	-80.81	NA	-54	Pass
NVNT	BLE 2M	2402	Ant1	74 -87.5	87.15	-80.65	NA	-36	Pass
NVNT	BLE 2M	2402	Ant1	87.5 -118	111.30	-81.32	NA	-54	Pass
NVNT	BLE 2M	2402	Ant1	118 -174	123.15	-79.33	NA	-36	Pass
NVNT	BLE 2M	2402	Ant1	174 -230	185.40	-79.50	NA	-54	Pass
NVNT	BLE 2M	2402	Ant1	230 -470	252.45	-78.99	NA	-36	Pass
NVNT	BLE 2M	2402	Ant1	470 -694	485.20	-78.89	NA	-54	Pass
NVNT	BLE 2M	2402	Ant1	694 -1000	765.65	-68.90	NA	-36	Pass
NVNT	BLE 2M	2402	Ant1	1000 -2396	2395.00	-52.99	NA	-30	Pass
NVNT	BLE 2M	2402	Ant1	2487.5 -12750	6829.00	-50.64	NA	-30	Pass
NVNT	BLE 2M	2440	Ant1	30 -47	32.95	-80.67	NA	-36	Pass
NVNT	BLE 2M	2440	Ant1	47 -74	56.30	-79.73	NA	-54	Pass
NVNT	BLE 2M	2440	Ant1	74 -87.5	81.70	-80.73	NA	-36	Pass
NVNT	BLE 2M	2440	Ant1	87.5 -118	94.45	-80.68	NA	-54	Pass
NVNT	BLE 2M	2440	Ant1	118 -174	167.55	-80.21	NA	-36	Pass
NVNT	BLE 2M	2440	Ant1	174 -230	182.35	-79.28	NA	-54	Pass
NVNT	BLE 2M	2440	Ant1	230 -470	354.65	-79.11	NA	-36	Pass
NVNT	BLE 2M	2440	Ant1	470 -694	593.65	-78.79	NA	-54	Pass
NVNT	BLE 2M	2440	Ant1	694 -1000	765.35	-66.97	NA	-36	Pass
NVNT	BLE 2M	2440	Ant1	1000 -2396	1738.00	-54.03	NA	-30	Pass
NVNT	BLE 2M	2440	Ant1	2487.5 -12750	6923.50	-50.45	NA	-30	Pass
NVNT	BLE 2M	2480	Ant1	30 -47	36.55	-80.90	NA	-36	Pass
NVNT	BLE 2M	2480	Ant1	47 -74	66.15	-81.40	NA	-54	Pass
NVNT	BLE 2M	2480	Ant1	74 -87.5	75.25	-79.45	NA	-36	Pass
NVNT	BLE 2M	2480	Ant1	87.5 -118	93.10	-79.95	NA	-54	Pass
NVNT	BLE 2M	2480	Ant1	118 -174	164.95	-79.85	NA	-36	Pass
NVNT	BLE 2M	2480	Ant1	174 -230	210.35	-79.05	NA	-54	Pass
NVNT	BLE 2M	2480	Ant1	230 -470	348.75	-78.49	NA	-36	Pass
NVNT	BLE 2M	2480	Ant1	470 -694	661.45	-78.52	NA	-54	Pass
NVNT	BLE 2M	2480	Ant1	694 -1000	772.80	-68.02	NA	-36	Pass
NVNT	BLE 2M	2480	Ant1	1000 -2396	2390.50	-56.56	NA	-30	Pass
NVNT	BLE 2M	2480	Ant1	2487.5 -12750	6751.00	-51.15	NA	-30	Pass
NVNT	BLE 2M	2402	Ant2	30 -47	43.35	-81.40	NA	-36	Pass
NVNT	BLE 2M	2402	Ant2	47 -74	51.55	-80.87	NA	-54	Pass
NVNT	BLE 2M	2402	Ant2	74 -87.5	77.15	-80.61	NA	-36	Pass
NVNT	BLE 2M	2402	Ant2	87.5 -118	109.45	-80.46	NA	-54	Pass
NVNT	BLE 2M	2402	Ant2	118 -174	156.05	-78.91	NA	-36	Pass
NVNT	BLE 2M	2402	Ant2	174 -230	212.50	-80.07	NA	-54	Pass
NVNT	BLE 2M	2402	Ant2	230 -470	366.40	-79.11	NA	-36	Pass
NVNT	BLE 2M	2402	Ant2	470 -694	493.75	-78.25	NA	-54	Pass
NVNT	BLE 2M	2402	Ant2	694 -1000	777.20	-68.40	NA	-36	Pass
NVNT	BLE 2M	2402	Ant2	1000 -2396	2395.50	-52.60	NA	-30	Pass
NVNT	BLE 2M	2402	Ant2	2487.5 -12750	6936.50	-50.87	NA	-30	Pass
NVNT	BLE 2M	2440	Ant2	30 -47	43.05	-81.14	NA	-36	Pass
NVNT	BLE 2M	2440	Ant2	47 -74	73.30	-80.77	NA	-54	Pass
NVNT	BLE 2M	2440	Ant2	74 -87.5	84.70	-80.81	NA	-36	Pass
NVNT	BLE 2M	2440	Ant2	87.5 -118	94.90	-80.57	NA	-54	Pass
NVNT	BLE 2M	2440	Ant2	118 -174	155.00	-79.55	NA	-36	Pass
NVNT	BLE 2M	2440	Ant2	174 -230	218.50	-79.11	NA	-54	Pass
NVNT	BLE 2M	2440	Ant2	230 -470	305.25	-78.86	NA	-36	Pass
NVNT	BLE 2M	2440	Ant2	470 -694	597.80	-78.75	NA	-54	Pass
NVNT	BLE 2M	2440	Ant2	694 -1000	770.80	-69.60	NA	-36	Pass
NVNT	BLE 2M	2440	Ant2	1000 -2396	2384.00	-55.82	NA	-30	Pass
NVNT	BLE 2M	2440	Ant2	2487.5 -12750	5941.50	-50.77	NA	-30	Pass
NVNT	BLE 2M	2480	Ant2	30 -47	36.25	-80.72	NA	-36	Pass
NVNT	BLE 2M	2480	Ant2	47 -74	67.90	-81.25	NA	-54	Pass
NVNT	BLE 2M	2480	Ant2	74 -87.5	81.90	-81.52	NA	-36	Pass
NVNT	BLE 2M	2480	Ant2	87.5 -118	88.40	-80.74	NA	-54	Pass
NVNT	BLE 2M	2480	Ant2	118 -174	125.95	-80.18	NA	-36	Pass
NVNT	BLE 2M	2480	Ant2	174 -230	207.85	-79.27	NA	-54	Pass
NVNT	BLE 2M	2480	Ant2	230 -470	357.35	-78.13	NA	-36	Pass
NVNT	BLE 2M	2480	Ant2	470 -694	648.30	-78.38	NA	-54	Pass

NVNT	BLE 2M	2480	Ant2	694 -1000	769.70	-72.75	NA	-36	Pass
NVNT	BLE 2M	2480	Ant2	1000 -2396	2393.00	-56.15	NA	-30	Pass
NVNT	BLE 2M	2480	Ant2	2487.5 -12750	6906.00	-50.35	NA	-30	Pass

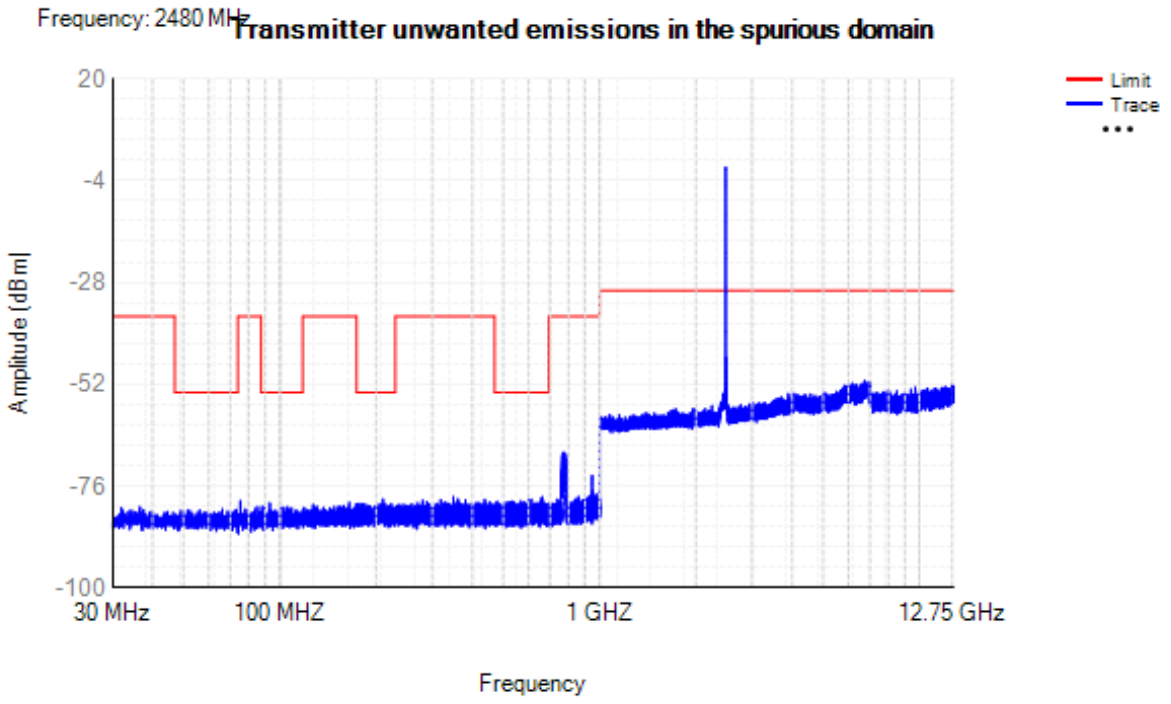
Test Graphs
Tx. Spurious NVNT BLE 2M 2402MHz Ant1



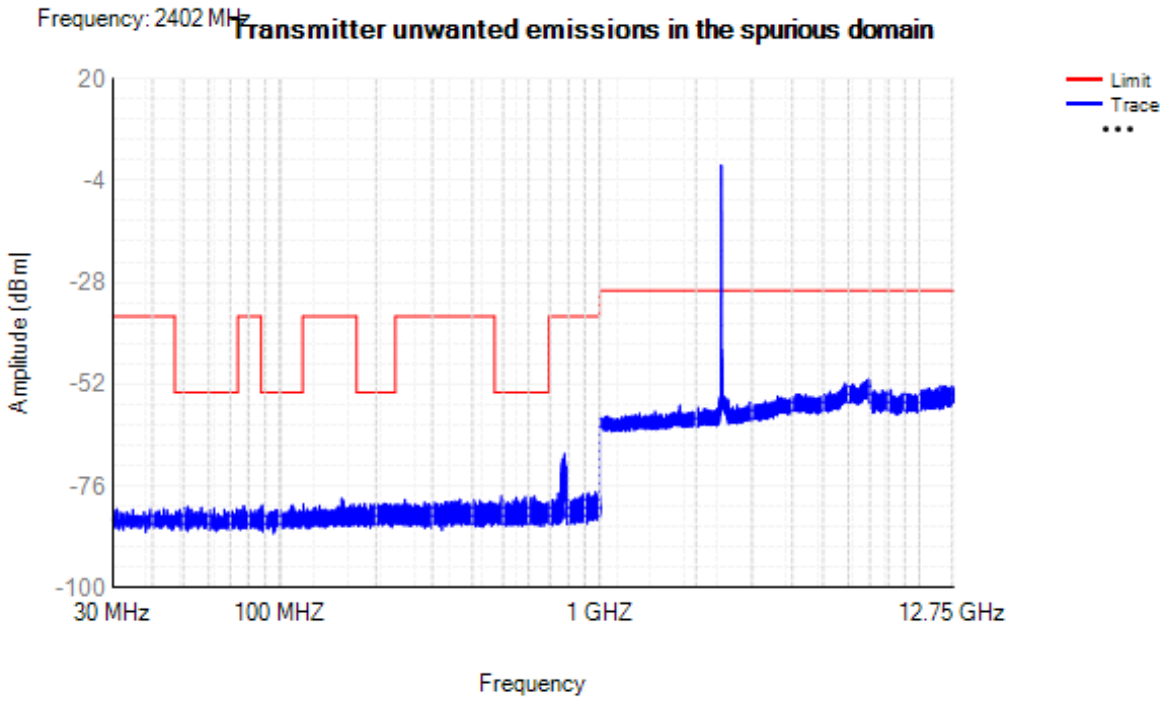
Tx. Spurious NVNT BLE 2M 2440MHz Ant1



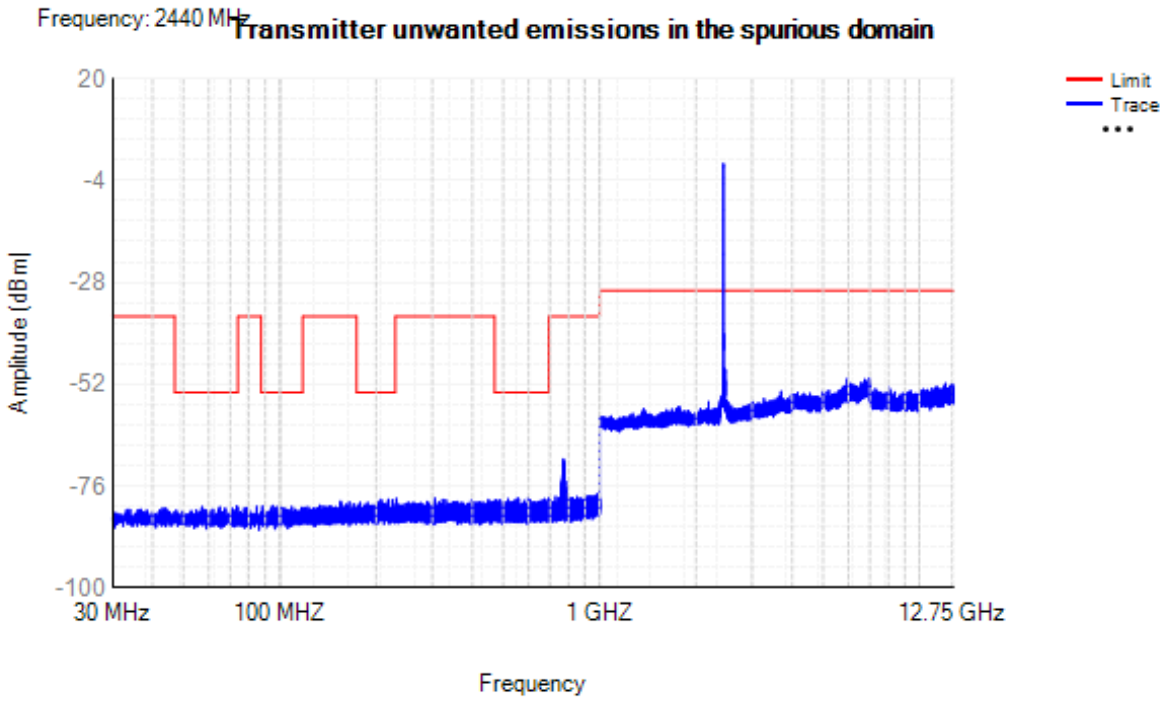
Tx. Spurious NVNT BLE 2M 2480MHz Ant1



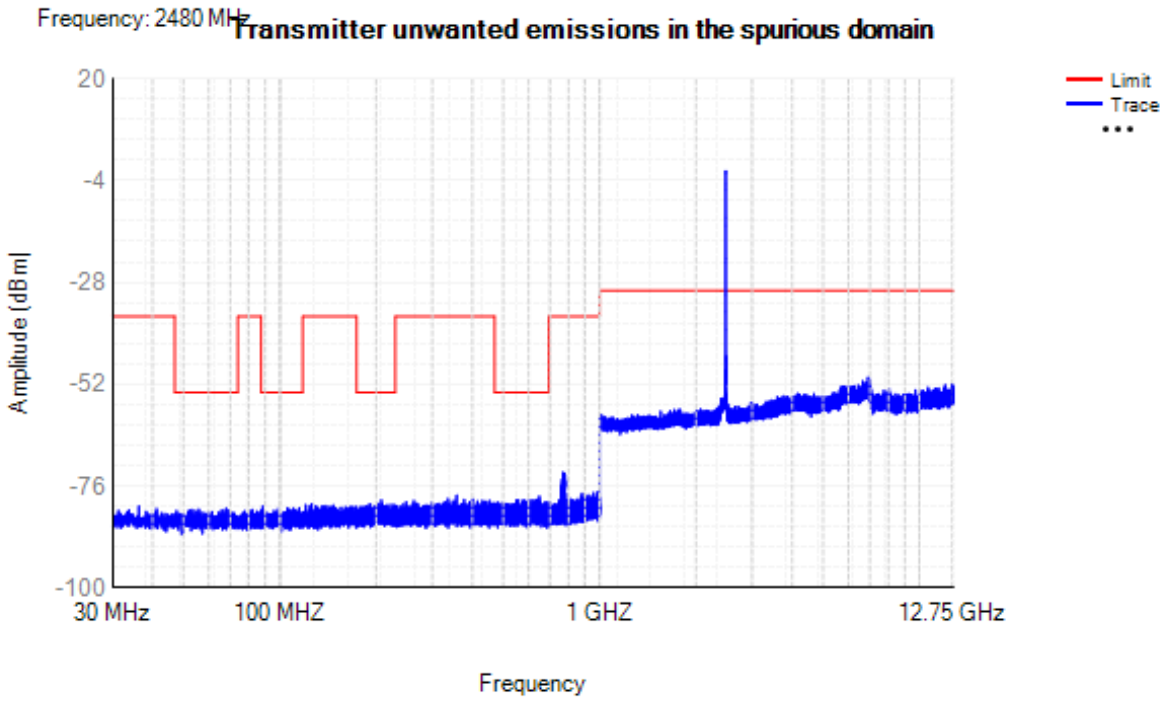
Tx. Spurious NVNT BLE 2M 2402MHz Ant2



Tx. Spurious NVNT BLE 2M 2440MHz Ant2



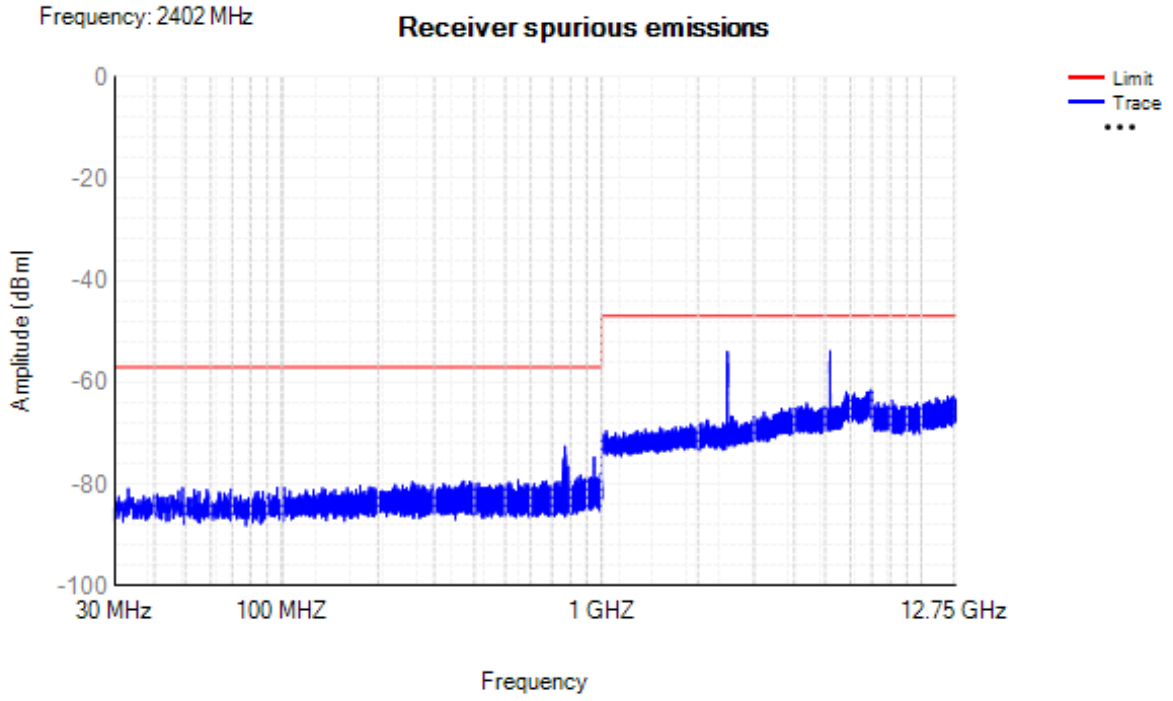
Tx. Spurious NVNT BLE 2M 2480MHz Ant2



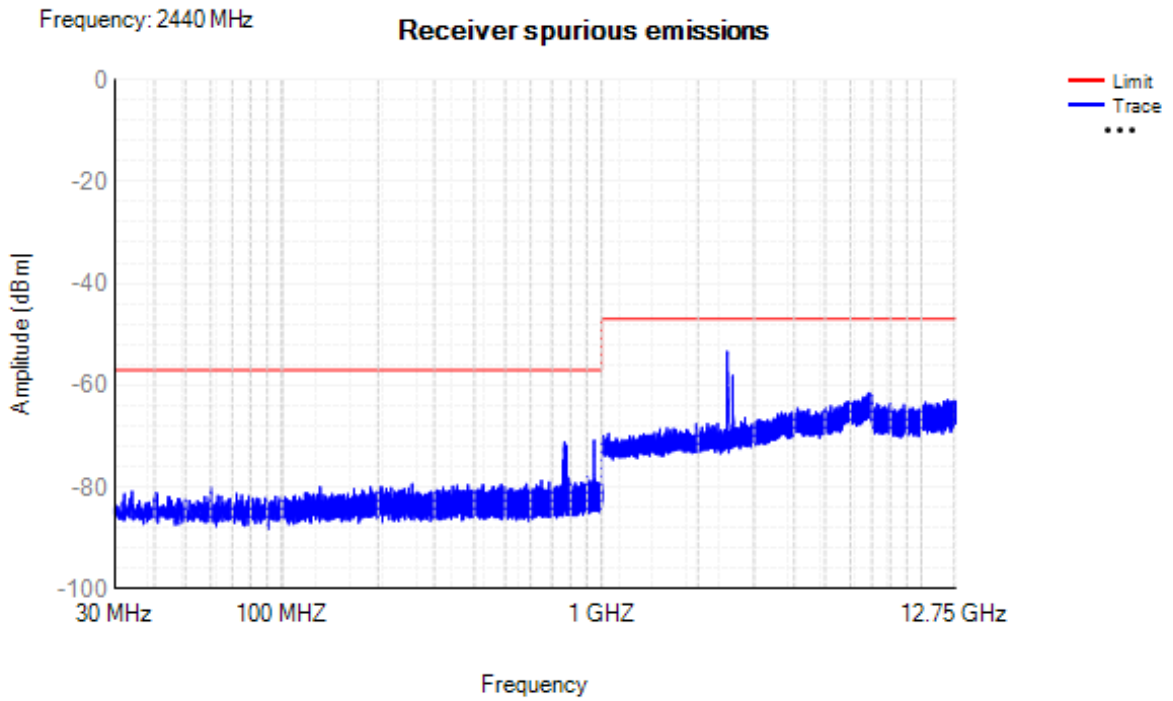
4.2.6 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	30 -1000	767.8	-72.58	NA	-57	Pass
NVNT	BLE 2M	2402	Ant1	1000 -12750	5179	-53.88	NA	-47	Pass
NVNT	BLE 2M	2440	Ant1	30 -1000	948.3	-70.78	NA	-57	Pass
NVNT	BLE 2M	2440	Ant1	1000 -12750	2470.5	-53.39	NA	-47	Pass
NVNT	BLE 2M	2480	Ant1	30 -1000	768.5	-69.95	NA	-57	Pass
NVNT	BLE 2M	2480	Ant1	1000 -12750	2471	-53.04	NA	-47	Pass
NVNT	BLE 2M	2402	Ant2	30 -1000	766.25	-70.75	NA	-57	Pass
NVNT	BLE 2M	2402	Ant2	1000 -12750	2468	-56.27	NA	-47	Pass
NVNT	BLE 2M	2440	Ant2	30 -1000	773	-73.93	NA	-57	Pass
NVNT	BLE 2M	2440	Ant2	1000 -12750	5199	-48.19	-48.9	-47	Pass
NVNT	BLE 2M	2480	Ant2	30 -1000	760.25	-76.00	NA	-57	Pass
NVNT	BLE 2M	2480	Ant2	1000 -12750	5187	-55.94	NA	-47	Pass

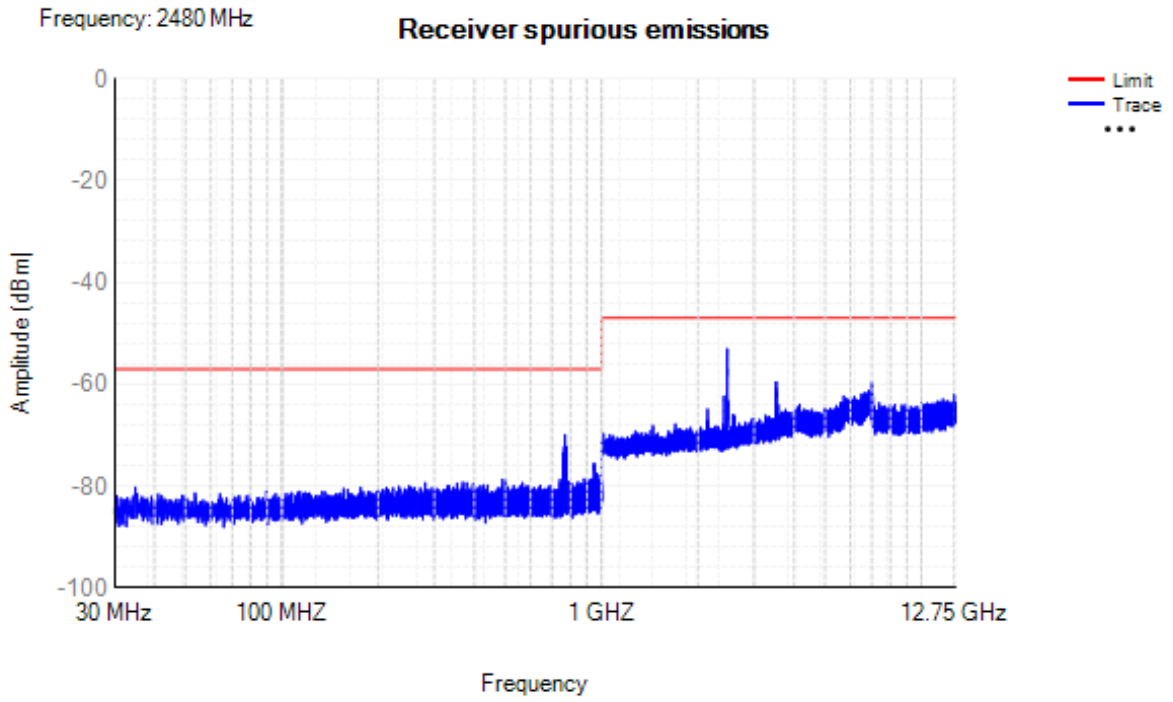
Test Graphs
Rx. Spurious NVNT BLE 2M 2402MHz Ant1



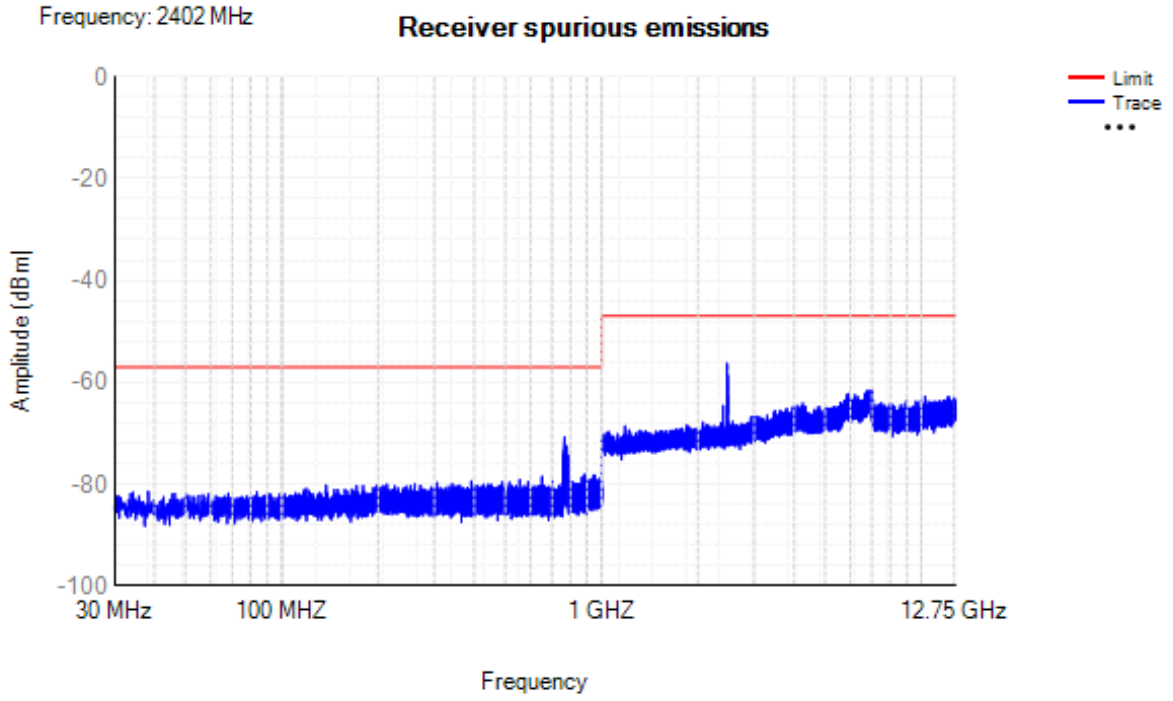
Rx. Spurious NVNT BLE 2M 2440MHz Ant1



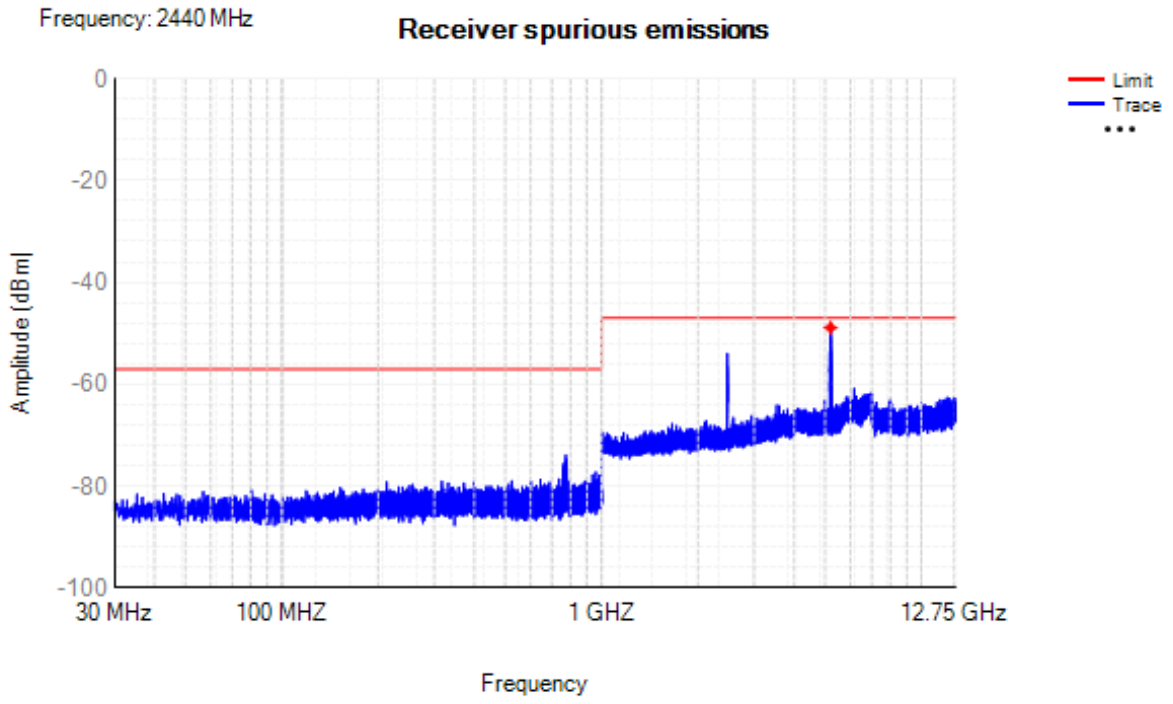
Rx. Spurious NVNT BLE 2M 2480MHz Ant1



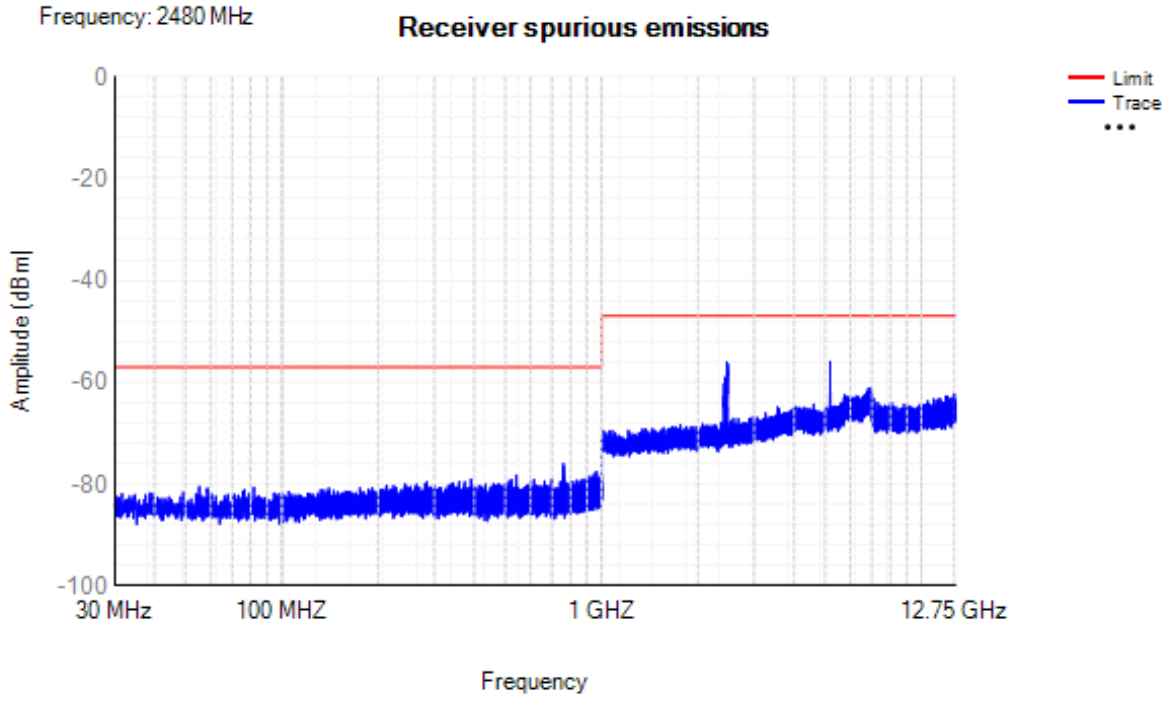
Rx. Spurious NVNT BLE 2M 2402MHz Ant2



Rx. Spurious NVNT BLE 2M 2440MHz Ant2

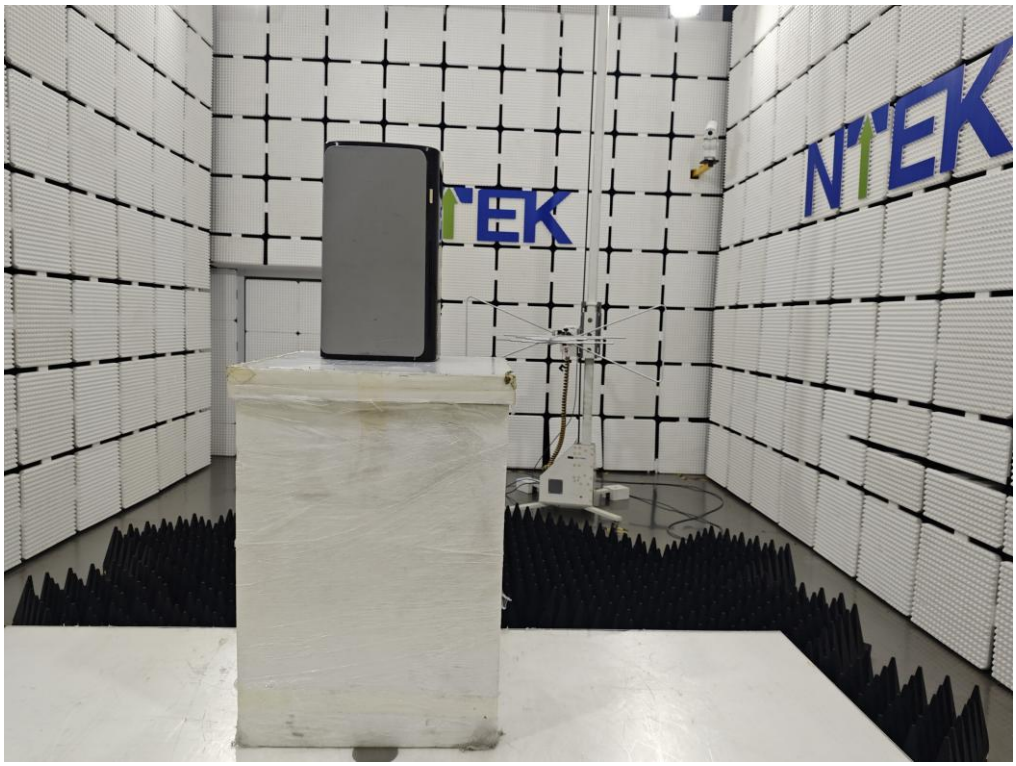


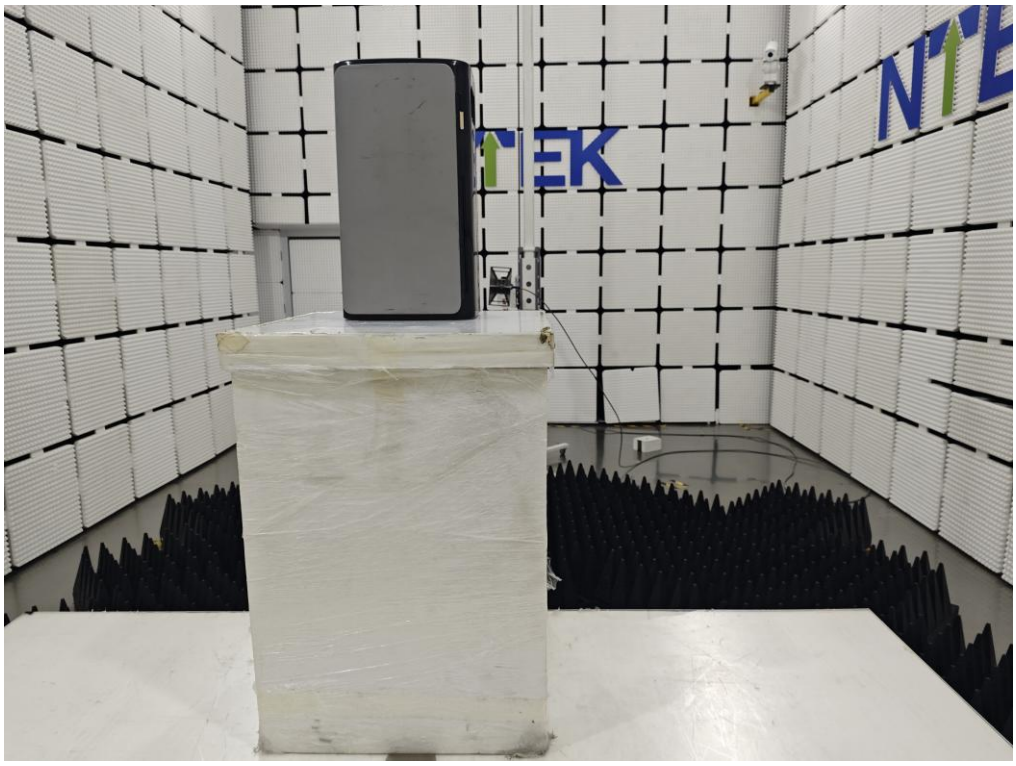
Rx. Spurious NVNT BLE 2M 2480MHz Ant2



5. EUT TEST PHOTO

SPURIOUS EMISSIONS MEASUREMENT PHOTOS





END OF REPORT