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Test Report

Applicant	:	Dongguan Xintai instrument Co.,Ltd.
Address	:	Room 201, Building 16, # 3, Yongtai Road, Tangxia Town, Dongguan City, Guangdong Province, China, 523710
Product Name	:	Thermal Imagers
Brand Mark	:	N/A
Model No.	:	HT-A10
Series model	:	N/A
Report Number	:	BLA-EMC-202412-A1001
Date of Issue	:	Apr. 17, 2025
Test Standard	:	ETSI EN 300328 V2.2.2 (2019-07)
Test Result	:	Pass

Compiled by: Mark Chen **Review by:** Sweely **Approved by:** Blue Zheng

Issued Date: Apr. 17, 2025

BlueAsia Technical Services (Shenzhen) Co., Ltd. BLA

BlueAsia Technical Services (Shenzhen) Co., Ltd

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict,Bao'an District, Shenzhen, Guangdong, China

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Revise Record

Version No.	Date	Description
01	Apr. 17, 2025	Original

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1 General information

1.1 General information

Applicant	Dongguan Xintai instrument Co.,Ltd.
Address	Room 201, Building 16, # 3, Yongtai Road, Tangxia Town, Dongguan City, Guangdong Province, China, 523710
Manufacturer	Dongguan Xintai instrument Co.,Ltd.
Address	Room 201, Building 16, # 3, Yongtai Road, Tangxia Town, Dongguan City, Guangdong Province, China, 523710
Factory	Dongguan Xintai instrument Co.,Ltd.
Address	Room 201, Building 16, # 3, Yongtai Road, Tangxia Town, Dongguan City, Guangdong Province, China, 523710

1.2 General description of EUT

Product Name	Thermal Imagers
Model No.	HT-A10
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2472MHz 802.11n(HT40): 2422MHz to 2462MHz
Modulation Type:	802.11b: DSSS(CCK/QPSK/BPSK) 802.11g: OFDM(BPSK/QPSK/16QAM/64QAM) 802.11n (HT20 and HT40): OFDM (64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	5MHz
Number of Channels:	802.11b/g/n(HT20): 13 802.11n(HT40):9
Antenna Type:	FPC antenna
Antenna Gain:	3dBi(Provided by customer)
Power supply:	Battery DC 3.70V
Hardware Version	N/A
Software Version	N/A
Sample Received Date:	Dec. 17, 2024
Sample tested Date:	Dec. 17, 2024 to Jan. 13, 2025
Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.	

2 Test summary

No.	Test item	Test Method	Class/Severity	Result	Remark
1	RF Output Power	EN 300 328 V2.2.2 clause 5.4.2.2.1.2	EN 300 328 Clause 4.3.2.2	Pass	
2	Power Spectral Density	EN 300 328 V2.2.2 clause 5.4.3.2.1	EN 300 328 Clause 4.3.2.3	Pass	
3	Occupied Channel Bandwidth	EN 300 328 V2.2.2 clause 5.4.7.2.1	EN 300 328 Clause 4.3.2.7	Pass	
4	Transmitter unwanted emissions in the OOB domain	EN 300 328 V2.2.2 clause 5.4.8.2.1	EN 300 328 Clause 4.3.2.8	Pass	
5	Transmitter unwanted emissions in the spurious domain	EN 300 328 V2.2.2 clause 5.4.9.2	EN 300 328 Clause 4.3.2.9	Pass	
6	Receiver spurious emissions	EN 300 328 V2.2.2 clause 5.4.10.2	EN 300 328 Clause 4.3.2.10	Pass	
7	Receiver Blocking	EN 300 328 V2.2.2 clause 5.4.11.2	EN 300 328 Clause 4.3.2.11	Pass	
8	Adaptivity	EN 300 328 V2.2.2 clause 5.4.6.2	EN 300 328 Clause 4.3.2.6	N/A	

N/A: Not Applicable

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3 Test Configuration

3.1 Test mode

Test Mode Note 1	Description
TX	Keep the EUT in continuously transmitting with modulation mode.
RX	Keep the EUT in receiving mode
TX Low channel	Keep the EUT in continuously transmitting mode in low channel
TX middle channel	Keep the EUT in continuously transmitting mode in middle channel
TX high channel	Keep the EUT in continuously transmitting mode in high channel

Note 1: The EUT was configured to measure its highest possible emission and/or immunity level. The test modes were adapted according to the operation manual for use; the EUT was operated in the engineering mode Note 2 to fix the TX or Rx frequency that was for the purpose of the measurements.

Note 2: Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

Power level setup in software			
Test Software Name	Realtek 11n 8188EUS USB WLAN MP Diagnostic Program		
Mode	Channel	Frequency (MHz)	Soft Set
802.11b	CH1	2412	TX level : 32
	CH7	2442	
	CH13	2472	
802.11g	CH1	2412	TX level : 32
	CH7	2442	
	CH13	2472	
802.11n20	CH1	2412	TX level : 32
	CH7	2442	
	CH13	2472	
802.11n40	CH3	2422	TX level : 32
	CH7	2442	
	CH11	2462	

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3.2 Operation Frequency each of channel

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	5	2432MHz	9	2452MHz	13	2472MHz
2	2417MHz	6	2437MHz	10	2457MHz		
3	2422MHz	7	2442MHz	11	2462MHz		
4	2427MHz	8	2447MHz	12	2467MHz		
Remark: The EUT operation in above frequency list, and used test software to control the EUT for staying in continuous transmitting and receiving mode. Channel 1, 7 and 13 of 802.11B/G/N20 chosen for testing. Channel 3, 7 and 11 of 802.11N40 chosen for testing.							

3.3 Test environment

Temperature	Normal	25°C
	Low Extreme	+0°C
	High Extreme	+45°C
Voltage	Normal	DC 3.70V
	Low Extreme	N/A
	High Extreme	N/A

3.4 Auxiliary equipment

Device Type	Manufacturer	Model Name	Serial No.	Remark
PC	lenovo	E46OC	N/A	From lab（No.BLA-ZC-BS-2022005）
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Note: “--” mean no any auxiliary device during testing.				

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4 Laboratory information

4.1 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

Company name:	BlueAsia Technical Services (Shenzhen) Co.,Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Registration No.:	L9788
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

4.2 Measurement uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

Parameter	Expanded Uncertainty
Radiated Emission(9kHz-30MHz)	±4.34dB
Radiated Emission(30Mz-1000MHz)	±4.24dB
Radiated Emission(1GHz-18GHz)	±4.68dB
AC Power Line Conducted Emission(150kHz-30MHz)	±3.45dB
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1.5 dB
Power Spectral Density, conducted	±3.0 dB
Unwanted Emissions, conducted	±3.0 dB
Temperature	±3 °C
Supply voltages	±3 %
Time	±5 %

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5 Test equipment

Radiated Spurious Emissions (Below 1GHz)

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-002-01	Anechoic chamber	9*6*6 chamber	SKET	N/A	2024/3/27	2027/3/26
BLA-EMC-002-02	Control room	966 control room	SKET	N/A	2024/3/27	2027/3/26
BLA-EMC-009	EMI receiver	ESR7	R&S	101199	2024/08/08	2025/08/07
BLA-EMC-043	Loop antenna	FMZB1519B	Schwarzbeck	00102	2024/06/29	2026/06/28
BLA-EMC-065	Broadband antenna	VULB9168	Schwarzbeck	01065P	2024/06/29	2026/06/27
BLA-XC-01	Coaxial Cable	N/A	BlueAsia	V01	N/A	N/A
BLA-XC-02	Coaxial Cable	N/A	BlueAsia	V02	N/A	N/A

Radiated Spurious Emissions (Above 1GHz)

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-001-01	Anechoic chamber	9*6*6 chamber	SKET	N/A	2023/11/16	2026/11/15
BLA-EMC-001-02	Control Room	966 control room	SKET	N/A	2023/11/16	2025/11/15
BLA-EMC-008	Spectrum	FSP40	R&S	100817	2024/08/08	2025/08/07
BLA-EMC-012	Broadband antenna	VULB9168	Schwarzbeck	00836 P:00227	2022/10/12	2025/10/11
BLA-EMC-013	Horn Antenna	BBHA9120D	Schwarzbeck	01892	2024/06/29	2026/06/28
BLA-EMC-014	Amplifier	PA_000318G-45	SKET	PA201804 3003	2024/08/08	2025/08/07
BLA-EMC-046	Filter bank	2.4G/5G Filter bank	SKET	N/A	2024/06/28	2025/06/27
BLA-EMC-061	Receiver	ESPI7	R&S	101477	2024/06/28	2025/06/27
BLA-EMC-066	Amplifier	LNPA_30M01 G-30	SKET	SK202106 0801	2024/06/28	2025/06/27
BLA-EMC-086	Amplifier	LNPA_18G40 G-50dB	SKET	SK202207 1301	2024/06/28	2025/06/27
BLA-EMC-087	Horn Antenna	BBHA 9170	Schwarzbeck	1106	2024/06/29	2026/06/28

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BLA-XC-03	Coaxial Cable	N/A	BlueAsia	V03	N/A	N/A
BLA-XC-04	Coaxial Cable	N/A	BlueAsia	V04	N/A	N/A

RF conducted

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-003-003	Shield room	5*3*3	SKET	N/A	2023/11/16	2025/11/15
BLA-EMC-016	Signal Generator	N5182A	Agilent	MY52420567	2024/06/28	2025/06/27
BLA-EMC-038	Spectrum	N9020A	Agilent	MY49100060	2024/08/08	2025/08/07
BLA-EMC-042	Power sensor	RPR3006W	DARE	14I00889SN042	2024/08/08	2025/08/07
BLA-EMC-044	Radio communication tester	CMW500	R&S	132429	2024/08/08	2025/08/07
BLA-EMC-064	Signal Generator	N5182B	KEYSIGHT	MY58108892	2024/06/28	2025/06/27
BLA-EMC-079	Spectrum	N9020A	Agilent	MY54420161	2024/08/08	2025/08/07
BLA-EMC-088	Audio Analyzer	ATS-1	Audio Precision	ATS141094	2024/06/28	2025/06/27

Test Software Record：

Software No.	Software Name	Manufacture	Software version	Test site
BLA-EMC-S001	EZ-EMC	EZ	EEMC-3A1+	RE
BLA-EMC-S002	EZ-EMC	EZ	EEMC-3A1+	RE
BLA-EMC-S010	MTS 8310	MW	2.0.0.0	RF

6 Test result

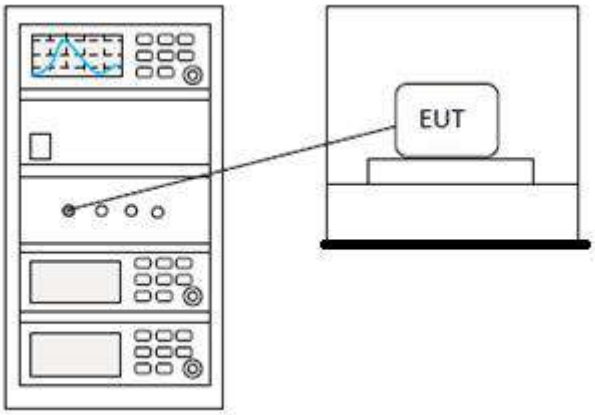
6.1 RF Output Power

Test Standard	ETSI EN 300328 V2.2.2 (2019-07)
Test Method	EN 300 328 V2.2.2 clause 5.4.2.2.1.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.1.1 Limit

≤20dBm/(100mw) (e.i.r.p)

6.1.2 Test setup



6.1.3 Test data

Pass: Please refer to appendix A for details

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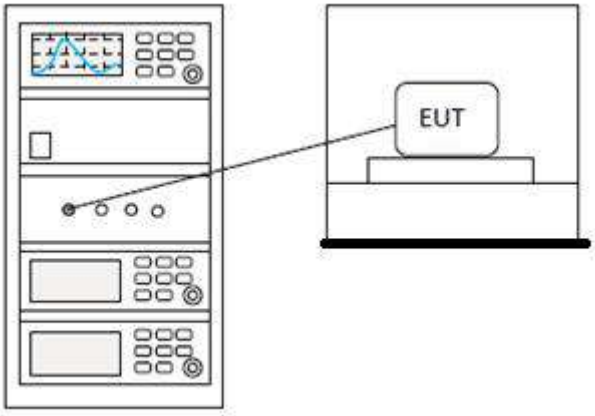
6.2 Power Spectral Density

Test Standard	ETSI EN 300328 V2.2.2 (2019-07)
Test Method	EN 300 328 V2.2.2 clause 5.4.3.2.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.2.1 Limit

≤10dBm per MHz

6.2.2 Test setup



6.2.3 Test data

Pass: Please refer to appendix A for details

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6.3 Occupied Channel Bandwidth

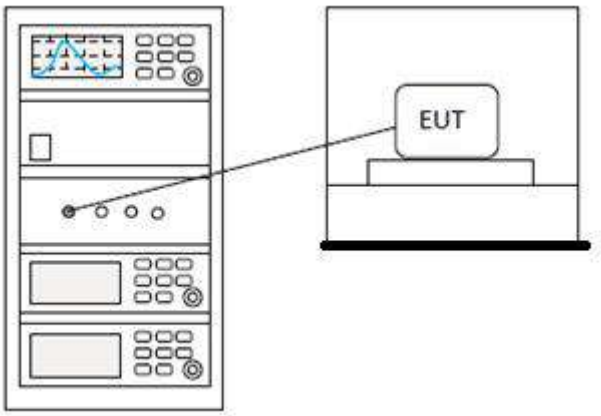
Test Standard	ETSI EN 300328 V2.2.2 (2019-07)
Test Method	EN 300 328 V2.2.2 clause 5.4.7.2.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.3.1 Limit

The Occupied Channel Bandwidth shall fall completely within the band given in clause 1. For non-adaptive Frequency Hopping equipment with e.i.r.p. greater than 10 dBm, the Occupied Channel Bandwidth for every occupied hopping frequency shall be equal to or less than the Nominal Channel Bandwidth declared by the manufacturer. See clause 5.4.1 j). This declared value shall not be greater than 5 MHz.

The Occupied Channel Bandwidth shall fall completely within the band given in table 1. In addition, for non-adaptive equipment using wide band modulations other than FHSS and with e.i.r.p. greater than 10 dBm, the occupied channel bandwidth shall be less than 20 MHz.

6.3.2 Test setup



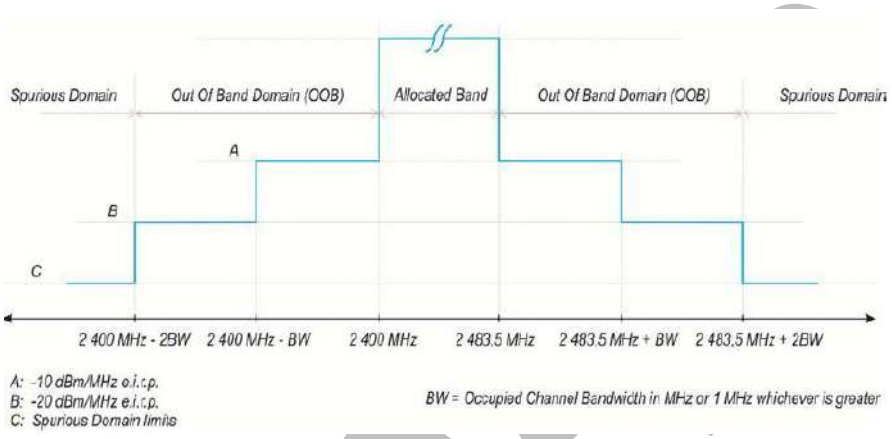
6.3.3 Test data

Pass: Please refer to appendix A for details.

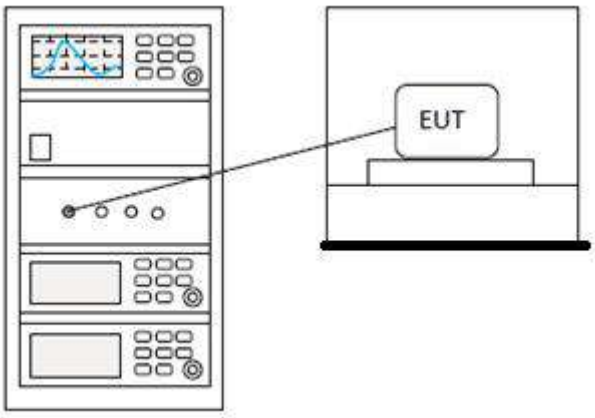
6.4 Transmitter unwanted emissions in the out-of-band domain

Test Standard	ETSI EN 300328 V2.2.2 (2019-07)
Test Method	EN 300 328 V2.2.2 clause 5.4.8.2.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.4.1 Limit



6.4.2 Test setup



6.4.3 Test data

Pass: Please refer to appendix A for details.

6.5 Transmitter unwanted emissions in the spurious domain

Test Standard	ETSI EN 300328 V2.2.2 (2019-07)
Test Method	EN 300 328 V2.2.2 clause 5.4.9.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.5.1 Limit

Table 1: Transmitter limits for spurious emissions

Frequency range	Maximum power 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 to 12,75 GHz	-30dBm	1MHz

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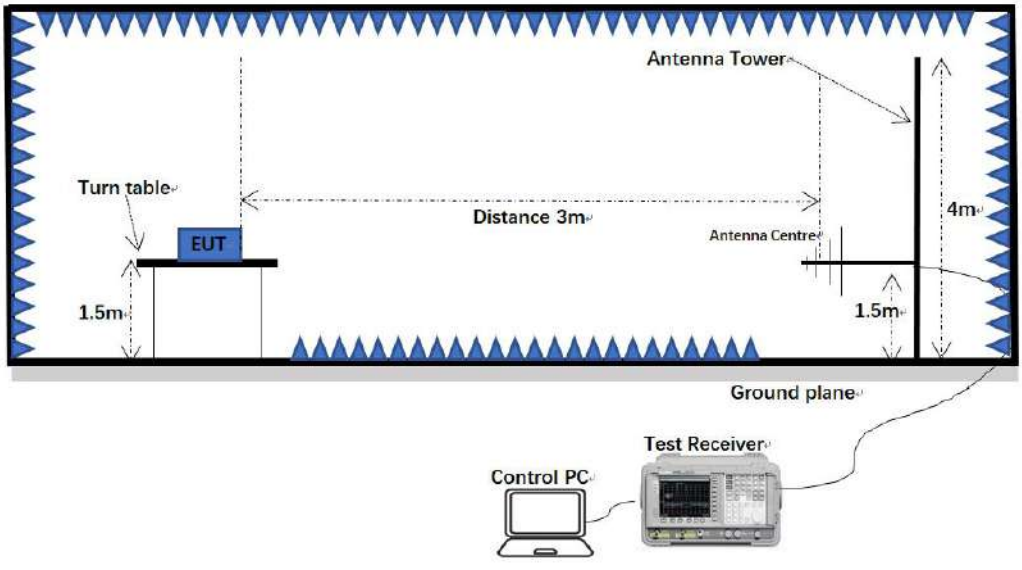
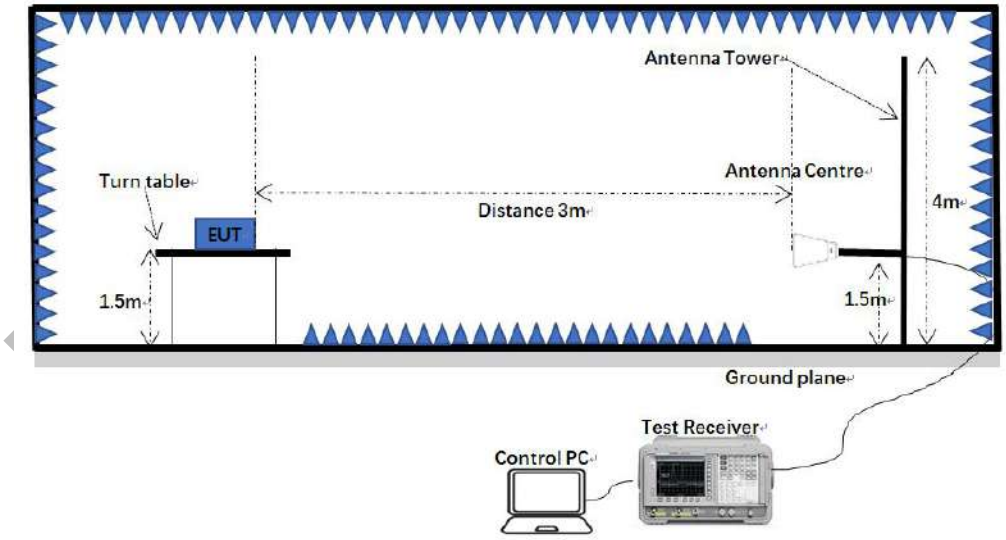
6.5.1 Test setup



(Below 1GHz)



(Above 1GHz)

6.5.2 Test procedure

1. Scan from 30MHz to 12.75GHz; find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Below 1GHz test procedure as below:

1) The EUT was powered on and placed on a table in the chamber. The antenna of the transmitter was extended to its maximum length. Modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
2) Rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
3) Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
4) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
5) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
6) The output power into the substitution antenna was then measured.
7) Steps 5) and 6) were repeated with both antennas vertically polarized.

Above 1GHz test procedure as below:

1) Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber.

6.5.3 Test data

Note: The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported, all modes have been tested, and only the worst mode is showed in the report.

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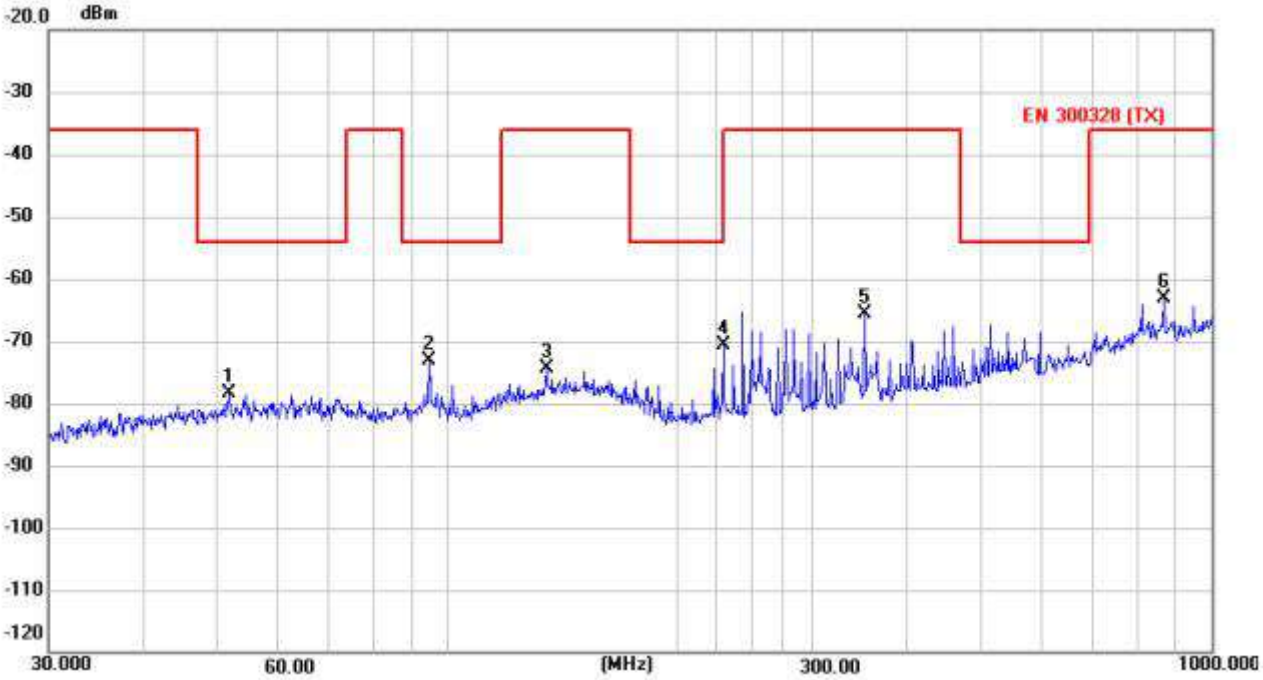
6.5.3.1 Below 1GHz

During the test, pre-scan the 802.11b/g/n mode, and found the 802.11b mode low channel which it is worse case.

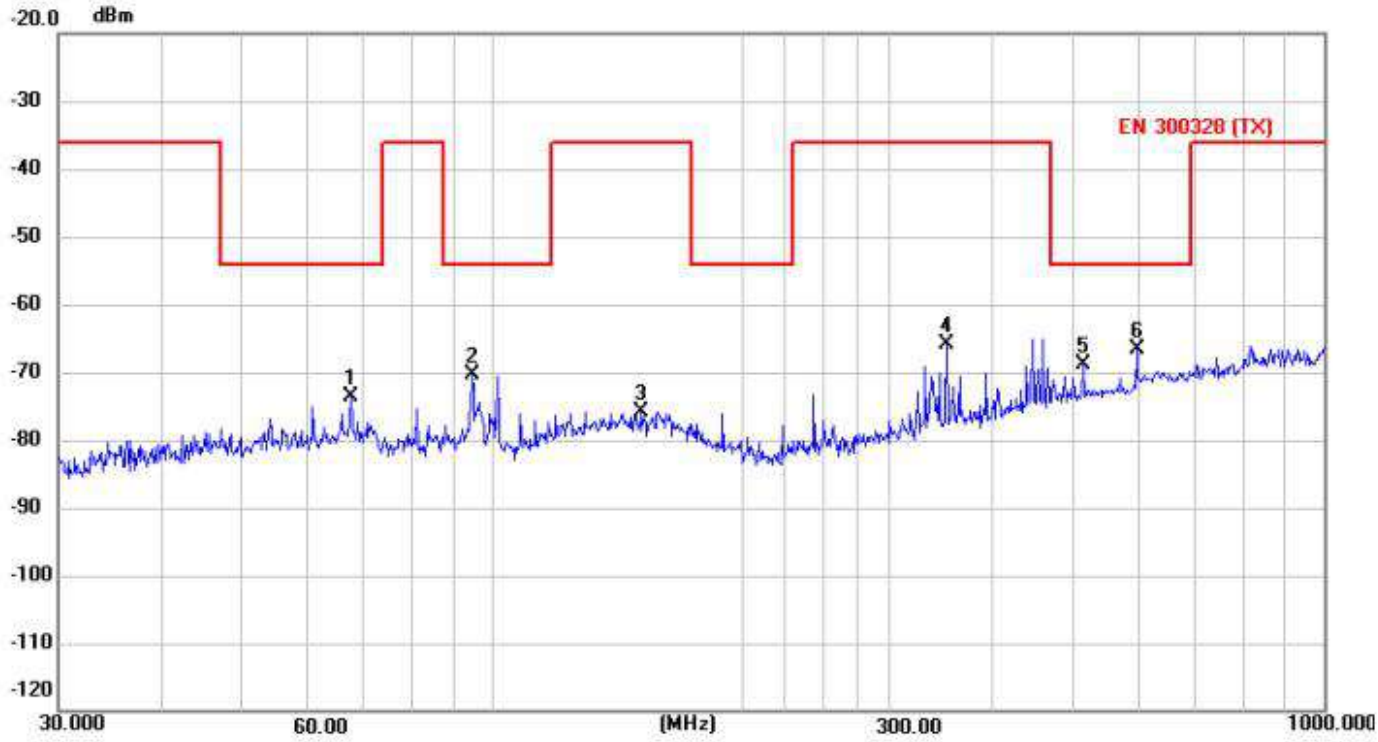
[Test Mode: TX mode with modulation]; [Polarity: Horizontal]



No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	51.6615	-107.55	29.13	-78.42	-54.00	-24.42	peak
2	94.4283	-100.99	27.98	-73.01	-54.00	-19.01	peak
3	134.5591	-107.13	32.64	-74.49	-36.00	-38.49	peak
4 *	229.2930	-97.95	27.40	-70.55	-54.00	-16.55	peak
5	351.7079	-97.13	31.39	-65.74	-36.00	-29.74	peak
6	866.0879	-102.39	39.37	-63.02	-36.00	-27.02	peak

Test Result: Pass

[Test Mode: TX mode with modulation]; [Polarity: Vertical]



No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	67.4382	-91.15	17.43	-73.72	-54.00	-19.72	peak
2	94.4283	-85.76	15.39	-70.37	-54.00	-16.37	peak
3	151.0665	-96.53	20.66	-75.87	-36.00	-39.87	peak
4	351.7079	-87.29	21.39	-65.90	-36.00	-29.90	peak
5	513.6331	-94.30	25.41	-68.89	-54.00	-14.89	peak
6 *	595.1327	-93.09	26.50	-66.59	-54.00	-12.59	peak

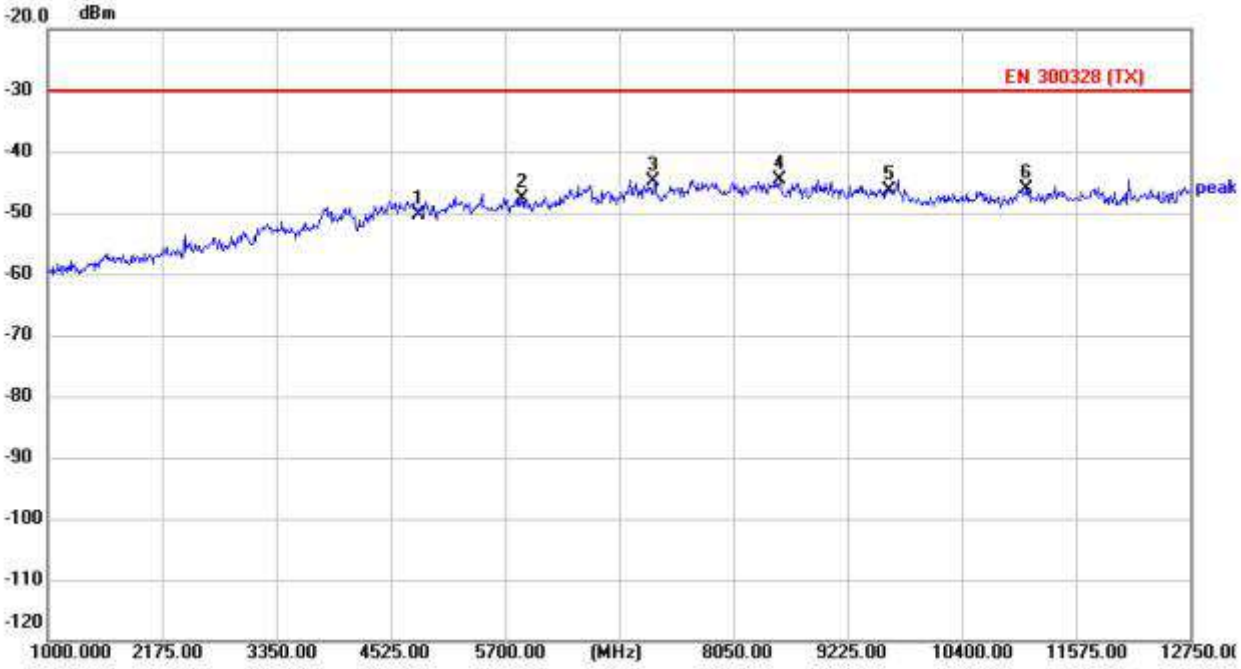
Test Result: Pass

6.5.3.2 Above 1GHz

During the test, pre-scan the 802.11b/g/n mode, and found the 802.11b mode and 802.11n40 mode which it is worse case.

802.11b

[Test Mode: TX Low channel]; [Polarity: Horizontal]

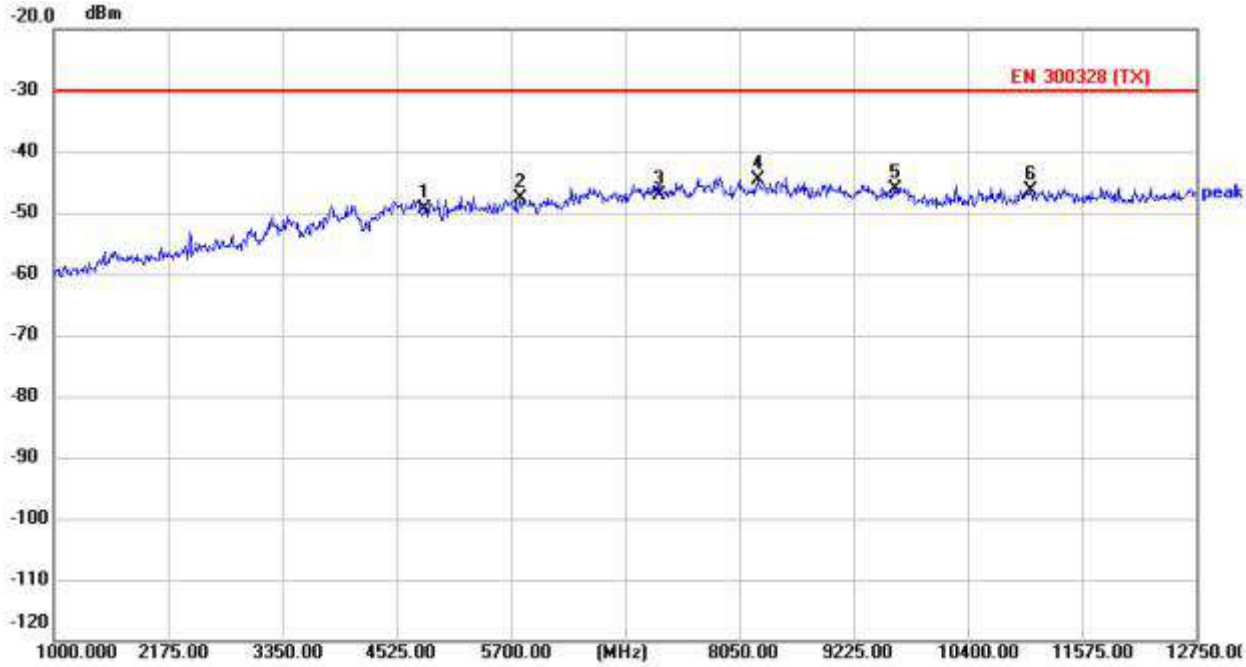


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4824.000	-68.47	18.19	-50.28	-30.0	-20.28	peak	
2		5876.250	-67.59	19.87	-47.72	-30.0	-17.72	peak	
3		7236.000	-67.14	22.17	-44.97	-30.0	-14.97	peak	
4	*	8520.000	-67.57	22.90	-44.67	-30.0	-14.67	peak	
5		9648.000	-69.28	23.01	-46.27	-30.0	-16.27	peak	
6		11058.00	-69.38	23.29	-46.09	-30.0	-16.09	peak	

Test Result: Pass

802.11b

[Test Mode: TX Low channel]; [Polarity: Vertical]

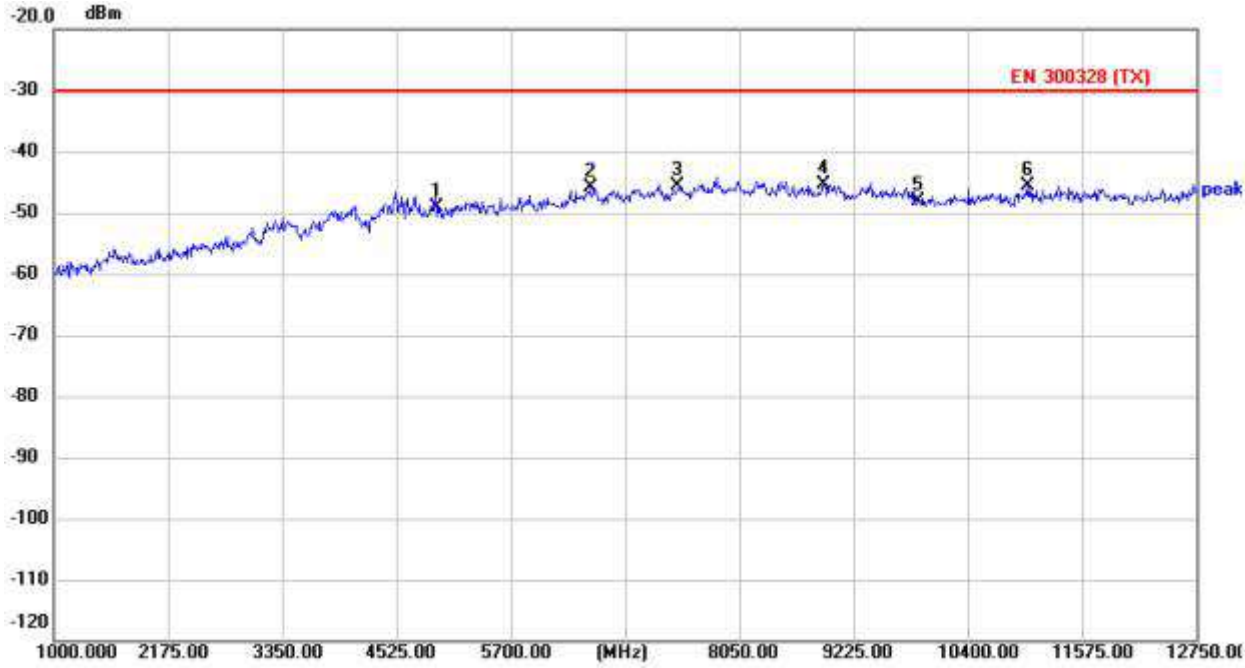


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4824.000	-67.60	18.19	-49.41	-30.0	-19.41	peak	
2		5805.750	-67.29	19.76	-47.53	-30.0	-17.53	peak	
3		7236.000	-69.22	22.17	-47.05	-30.0	-17.05	peak	
4	*	8238.000	-67.41	22.88	-44.53	-30.0	-14.53	peak	
5		9648.000	-69.05	23.01	-46.04	-30.0	-16.04	peak	
6		11046.25	-69.61	23.29	-46.32	-30.0	-16.32	peak	

Test Result: Pass

802.11b

[Test Mode: TX high channel]; [Polarity: Horizontal]

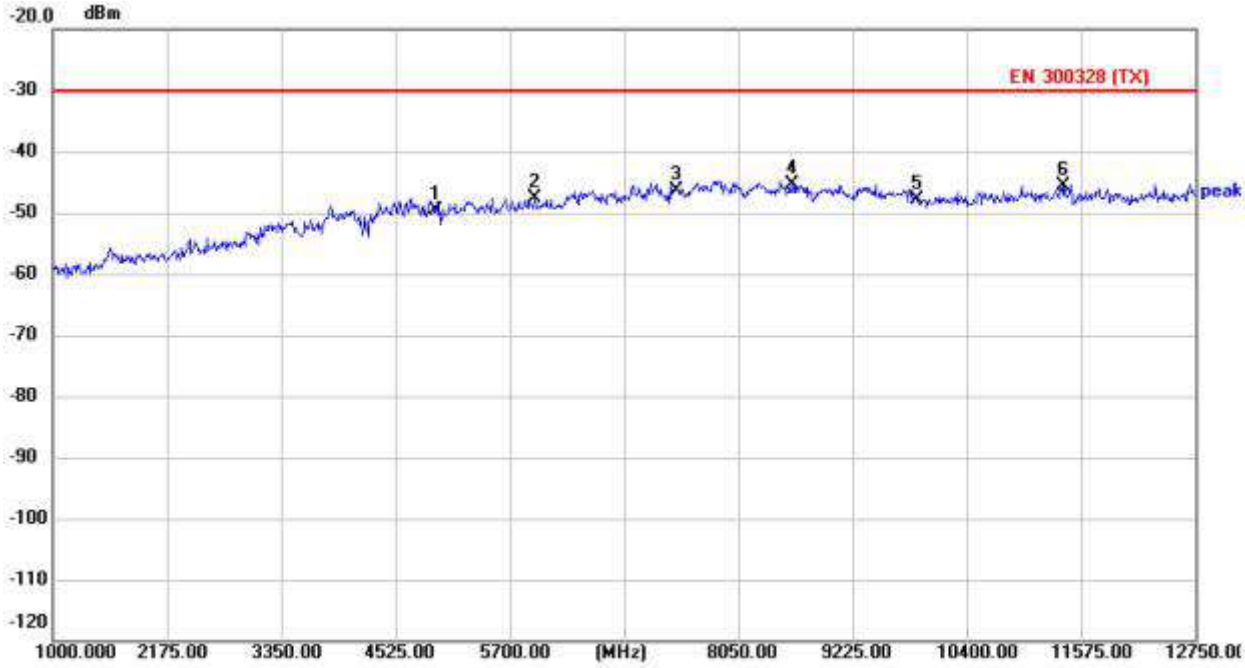


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4944.000	-67.43	18.31	-49.12	-30.0	-19.12	peak	
2		6522.500	-67.69	21.86	-45.83	-30.0	-15.83	peak	
3		7416.000	-68.16	22.44	-45.72	-30.0	-15.72	peak	
4	*	8919.500	-68.22	22.92	-45.30	-30.0	-15.30	peak	
5		9888.000	-71.09	23.05	-48.04	-30.0	-18.04	peak	
6		11022.75	-68.84	23.29	-45.55	-30.0	-15.55	peak	

Test Result: Pass

802.11b

[Test Mode: TX high channel]; [Polarity: Vertical]

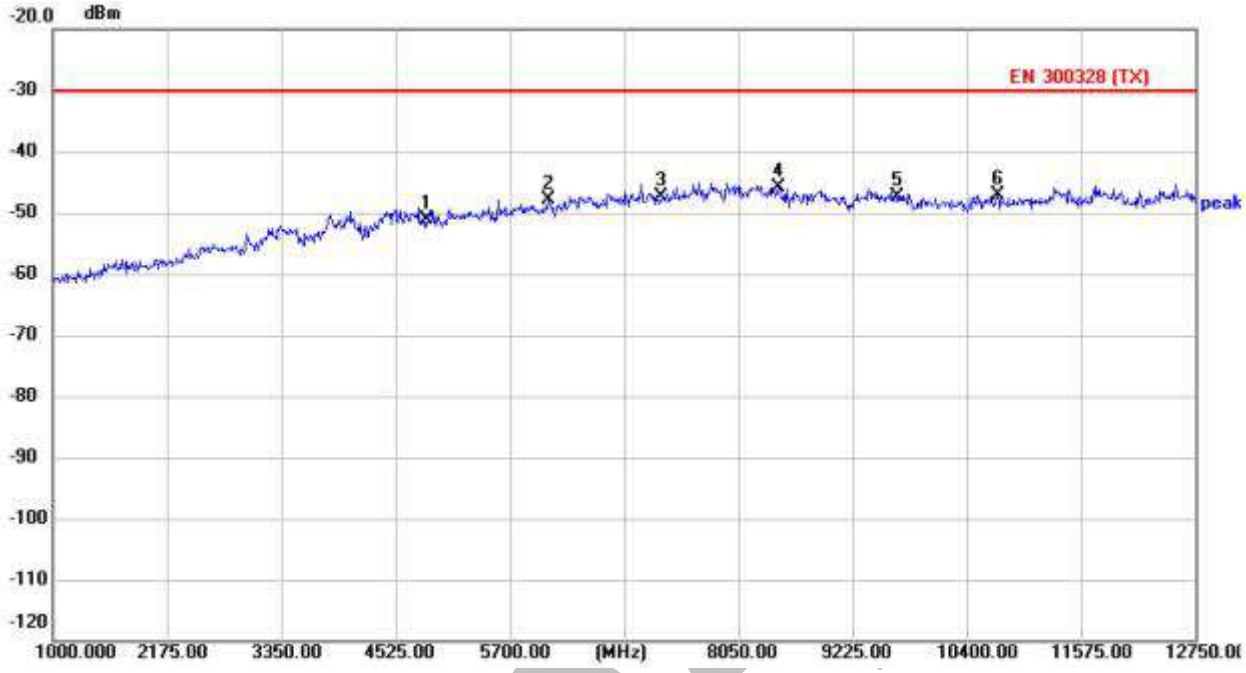


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4944.000	-67.91	18.31	-49.60	-30.0	-19.60	peak	
2		5958.500	-67.60	20.00	-47.60	-30.0	-17.60	peak	
3		7416.000	-68.74	22.44	-46.30	-30.0	-16.30	peak	
4	*	8602.250	-68.18	22.91	-45.27	-30.0	-15.27	peak	
5		9888.000	-70.93	23.05	-47.88	-30.0	-17.88	peak	
6		11398.75	-68.98	23.31	-45.67	-30.0	-15.67	peak	

Test Result: Pass

802.11n40

[Test Mode: TX Low channel]; [Polarity: Horizontal]

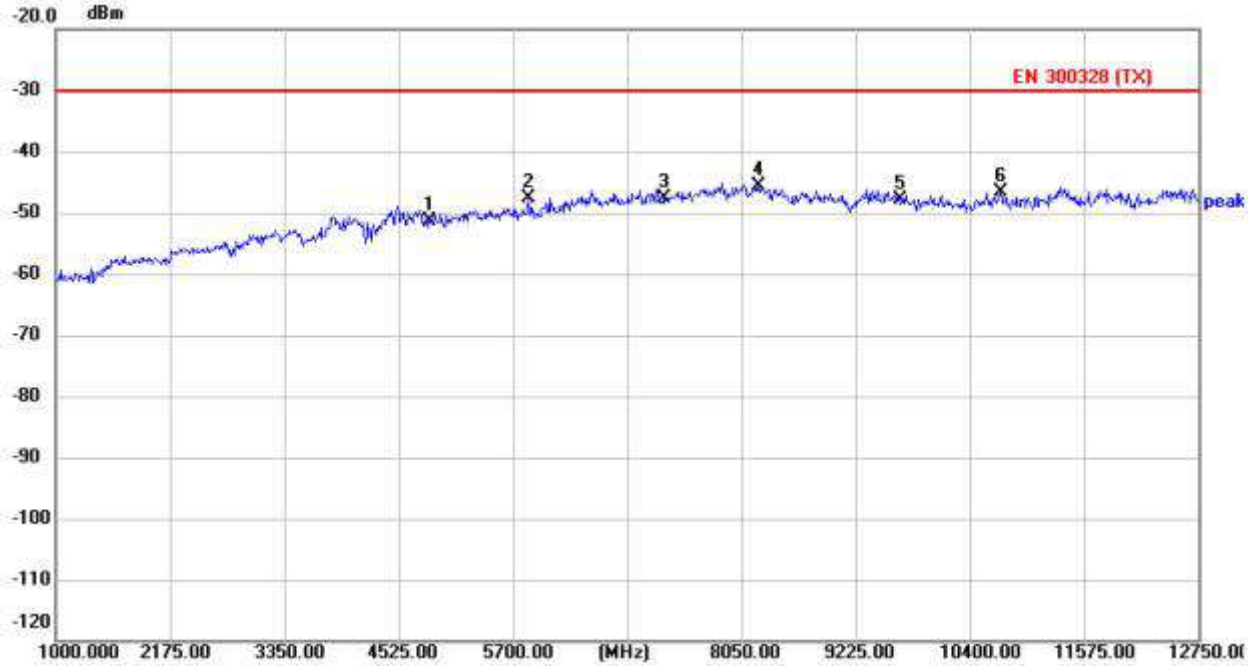


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4844.000	-69.28	18.21	-51.07	-30.0	-21.07	peak	
2		6099.500	-68.19	20.43	-47.76	-30.0	-17.76	peak	
3		7266.000	-69.68	22.22	-47.46	-30.0	-17.46	peak	
4	*	8461.250	-68.87	22.90	-45.97	-30.0	-15.97	peak	
5		9688.000	-70.36	23.02	-47.34	-30.0	-17.34	peak	
6		10717.25	-70.24	23.22	-47.02	-30.0	-17.02	peak	

Test Result: Pass

802.11n40

[Test Mode: TX Low channel]; [Polarity: Vertical]

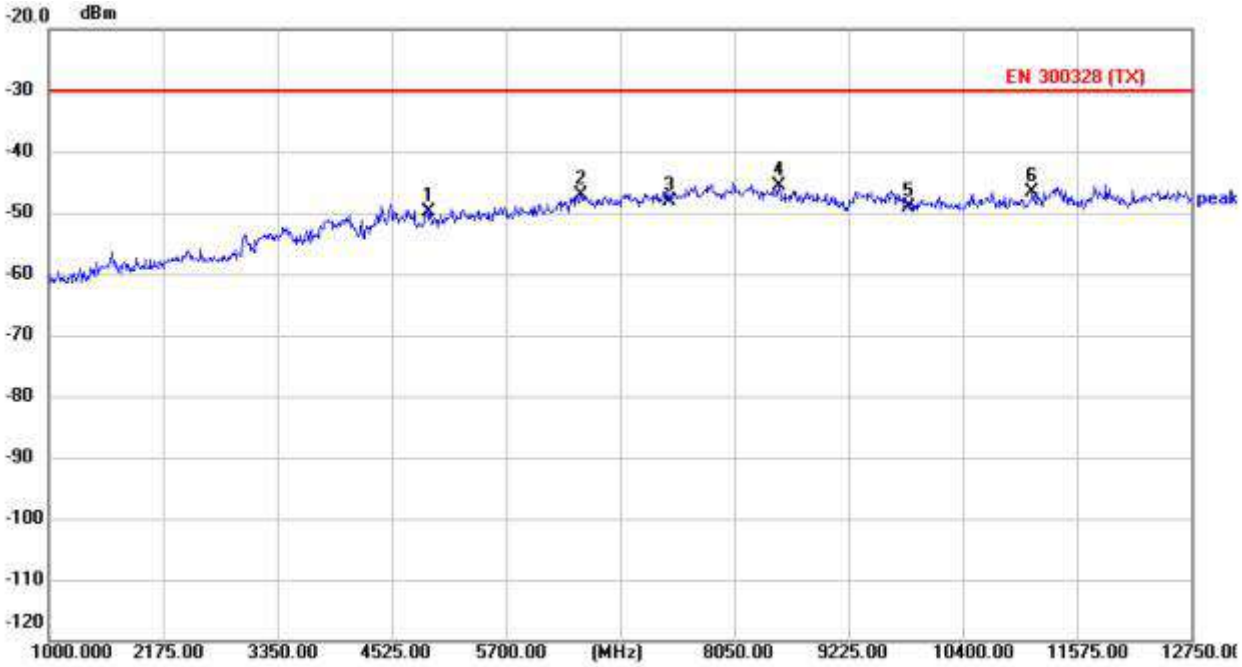


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4844.000	-69.47	18.21	-51.26	-30.0	-21.26	peak	
2		5864.500	-67.44	19.85	-47.59	-30.0	-17.59	peak	
3		7266.000	-69.95	22.22	-47.73	-30.0	-17.73	peak	
4	*	8226.250	-68.46	22.88	-45.58	-30.0	-15.58	peak	
5		9688.000	-70.77	23.02	-47.75	-30.0	-17.75	peak	
6		10717.25	-69.87	23.22	-46.65	-30.0	-16.65	peak	

Test Result: Pass

802.11n40

[Test Mode: TX high channel]; [Polarity: Horizontal]

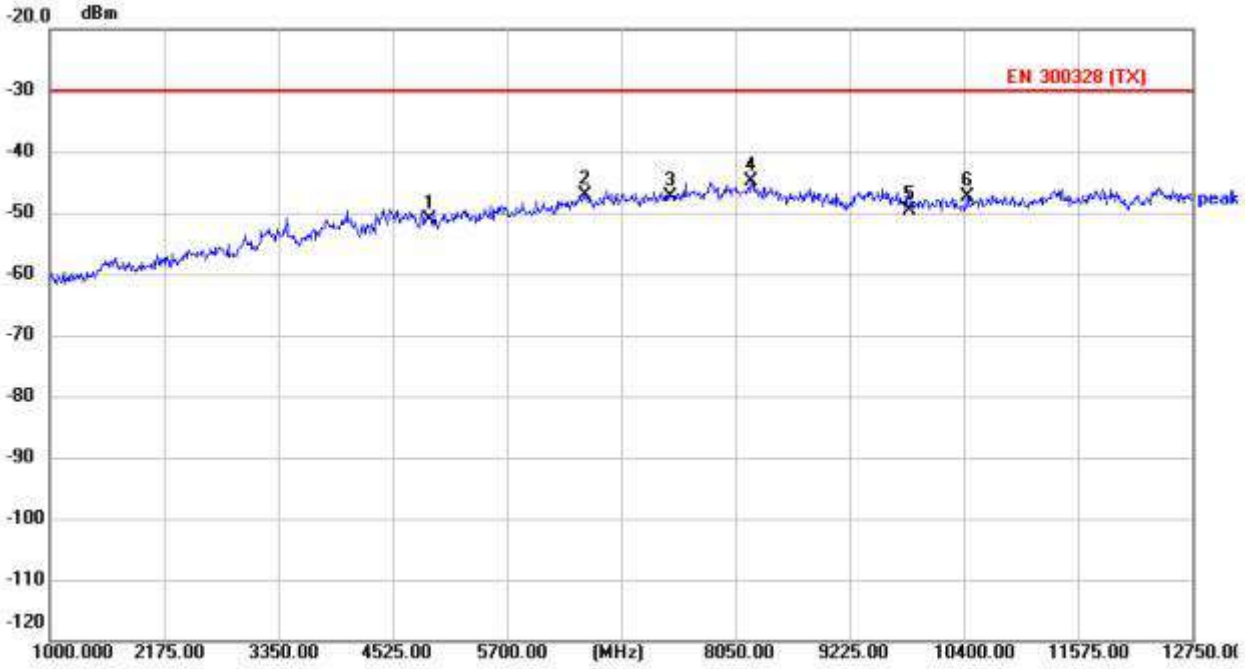


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4924.000	-68.14	18.29	-49.85	-30.0	-19.85	peak	
2		6475.500	-69.01	21.77	-47.24	-30.0	-17.24	peak	
3		7386.000	-70.46	22.40	-48.06	-30.0	-18.06	peak	
4	*	8508.250	-68.47	22.90	-45.57	-30.0	-15.57	peak	
5		9848.000	-72.08	23.04	-49.04	-30.0	-19.04	peak	
6		11116.75	-69.84	23.29	-46.55	-30.0	-16.55	peak	

Test Result: Pass

802.11n40

[Test Mode: TX high channel]; [Polarity: Vertical]



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4924.000	-69.29	18.29	-51.00	-30.0	-21.00	peak	
2		6510.750	-68.87	21.86	-47.01	-30.0	-17.01	peak	
3		7386.000	-69.82	22.40	-47.42	-30.0	-17.42	peak	
4	*	8214.500	-67.72	22.88	-44.84	-30.0	-14.84	peak	
5		9848.000	-72.71	23.04	-49.67	-30.0	-19.67	peak	
6		10435.25	-70.53	23.16	-47.37	-30.0	-17.37	peak	

Test Result: Pass

6.6 Receiver spurious emissions

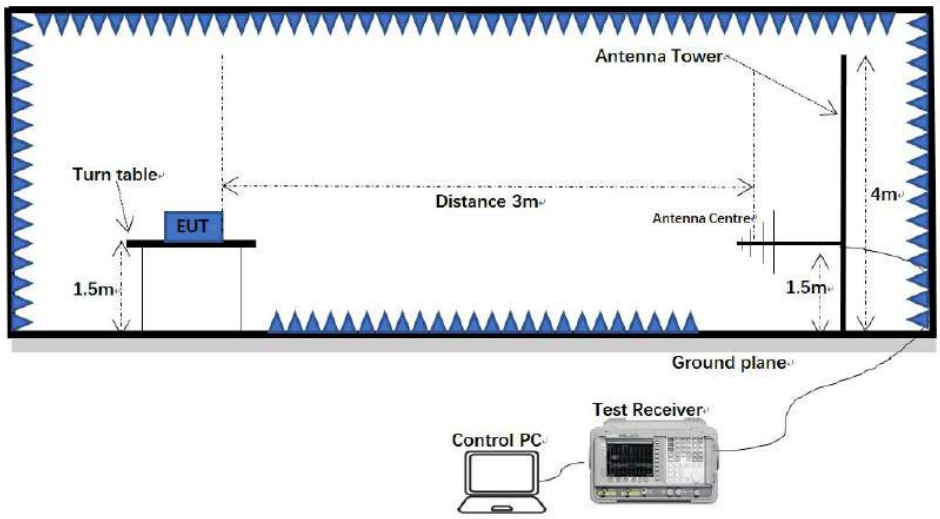
Test Standard	ETSI EN 300328 V2.2.2 (2019-07)
Test Method	EN 300 328 V2.2.2 clause 5.4.10.2
Test Mode (Pre-Scan)	RX
Test Mode (Final Test)	RX

6.6.1 Limit

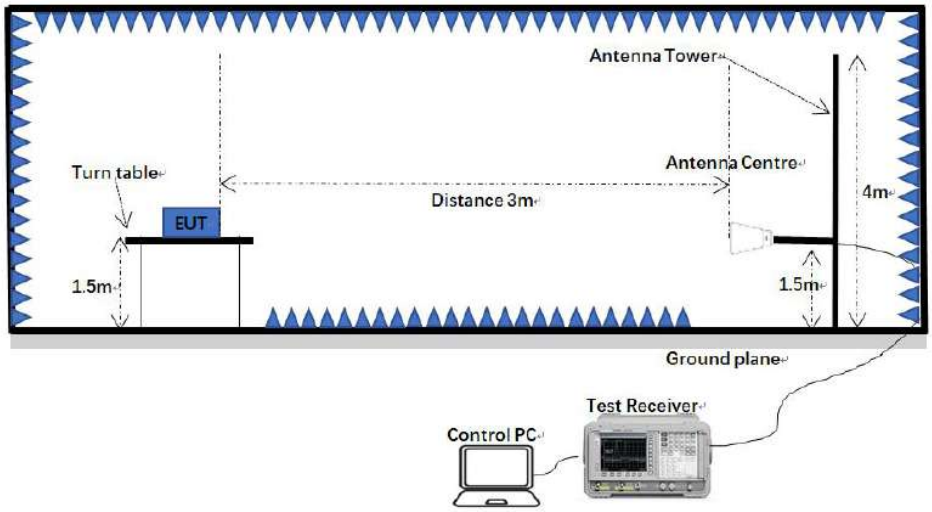
The spurious emissions of the receiver shall not exceed the values in tables in the indicated bands:

Frequency Range	Limit
30 MHz to 1 GHz	2nW(-57dBm)
Above 1GHz	20nW(-47dBm)

6.6.2 Test setup



(Below 1GHz)



(Above 1GHz)

6.6.3 Test procedure

1. Scan from 30MHz to 12.75GHz; find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Below 1GHz test procedure as below:

1) The EUT was powered on and placed on a table in the chamber. The antenna of the transmitter was extended to its maximum length. Receiver mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
2) Rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
3) Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
4) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
5) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
6) The output power into the substitution antenna was then measured.
7) Steps 5) and 6) were repeated with both antennas vertically polarized.

Above 1GHz test procedure as below:

1) Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber.

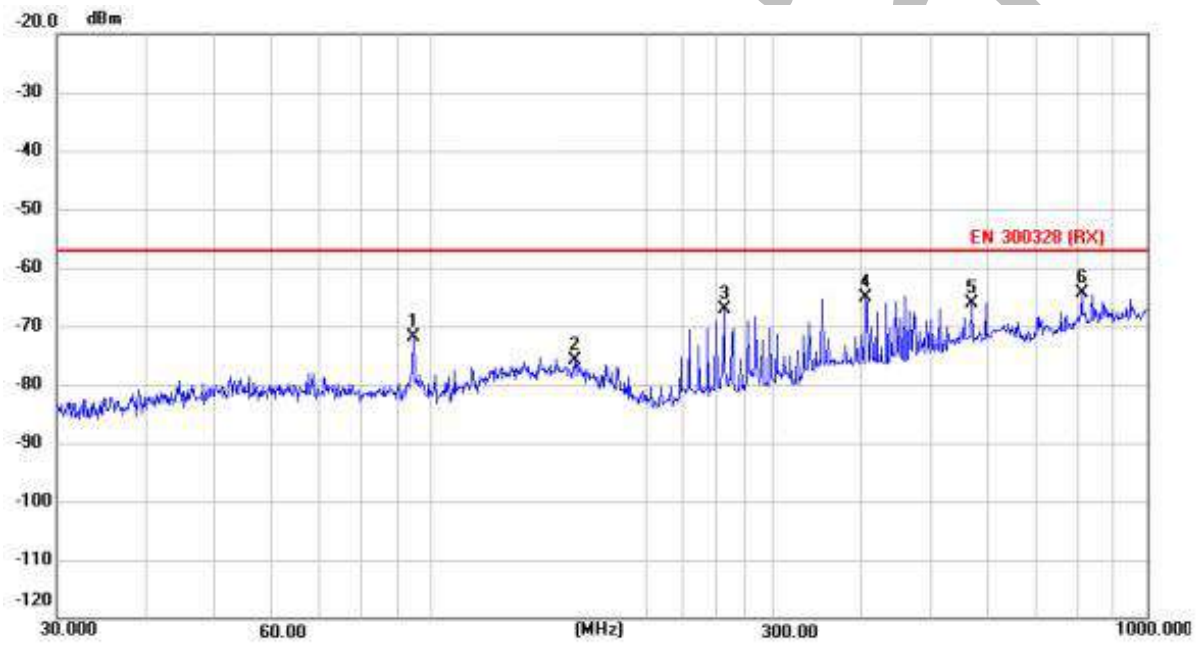
6.6.4 Test data

Note: The disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

6.6.4.1 Below 1GHz

During the test, pre-scan the 802.11b/g/n mode, and found the 802.11b mode low channel which it is worse case.

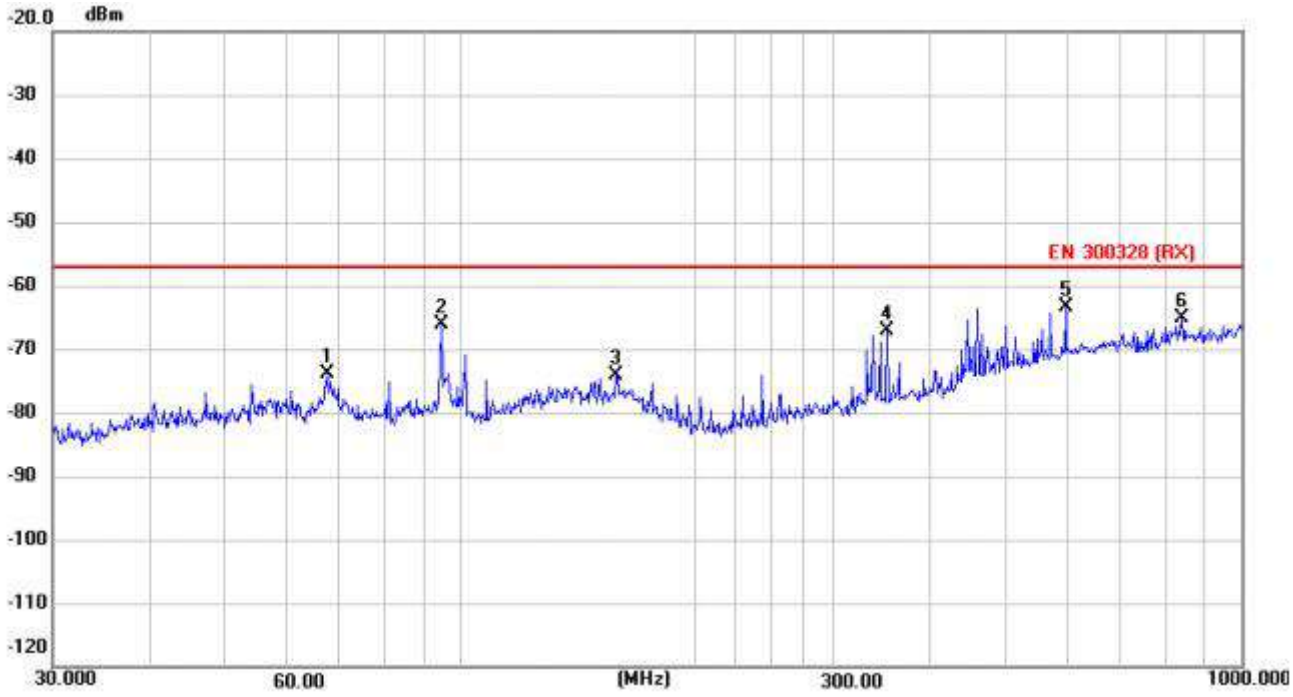
[Test Mode: RX mode with modulation]; [Polarity: Horizontal]



No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	94.4283	-99.90	27.98	-71.92	-57.00	-14.92	peak
2	158.6677	-108.54	32.59	-75.95	-57.00	-18.95	peak
3	256.5210	-96.07	28.88	-67.19	-57.00	-10.19	peak
4	404.6665	-98.04	33.01	-65.03	-57.00	-8.03	peak
5	568.6126	-101.35	35.16	-66.19	-57.00	-9.19	peak
6 *	810.2653	-103.72	39.46	-64.26	-57.00	-7.26	peak

Test Result: Pass

[Test Mode: RX mode with modulation]; [Polarity: Vertical]



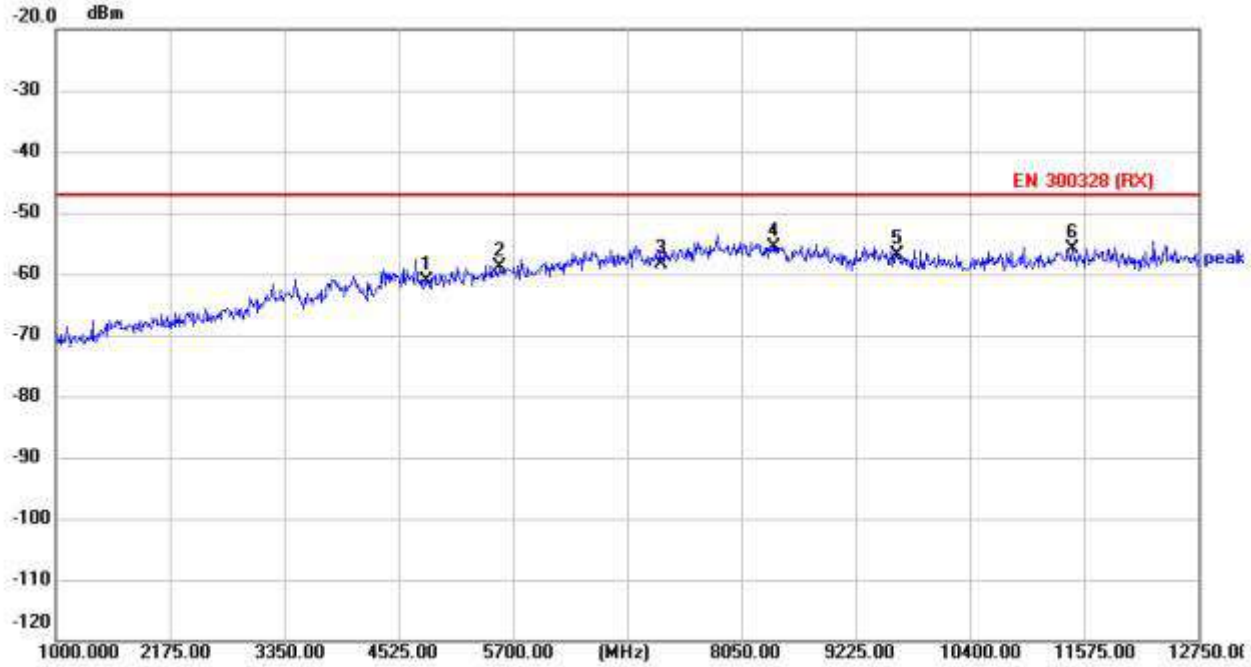
No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	67.4382	-91.40	17.43	-73.97	-57.00	-16.97	peak
2	94.4283	-81.39	15.39	-66.00	-57.00	-9.00	peak
3	158.1123	-94.69	20.68	-74.01	-57.00	-17.01	peak
4	351.7079	-88.39	21.39	-67.00	-57.00	-10.00	peak
5 *	595.1327	-89.94	26.50	-63.44	-57.00	-6.44	peak
6	839.1818	-95.18	30.12	-65.06	-57.00	-8.06	peak

Test Result: Pass

6.6.4.2 Above 1GHz

During the test, pre-scan the 802.11b/g/n mode, and found the 802.11b mode which it is worse case.

[Test Mode: RX Low channel]; [Polarity: Horizontal]

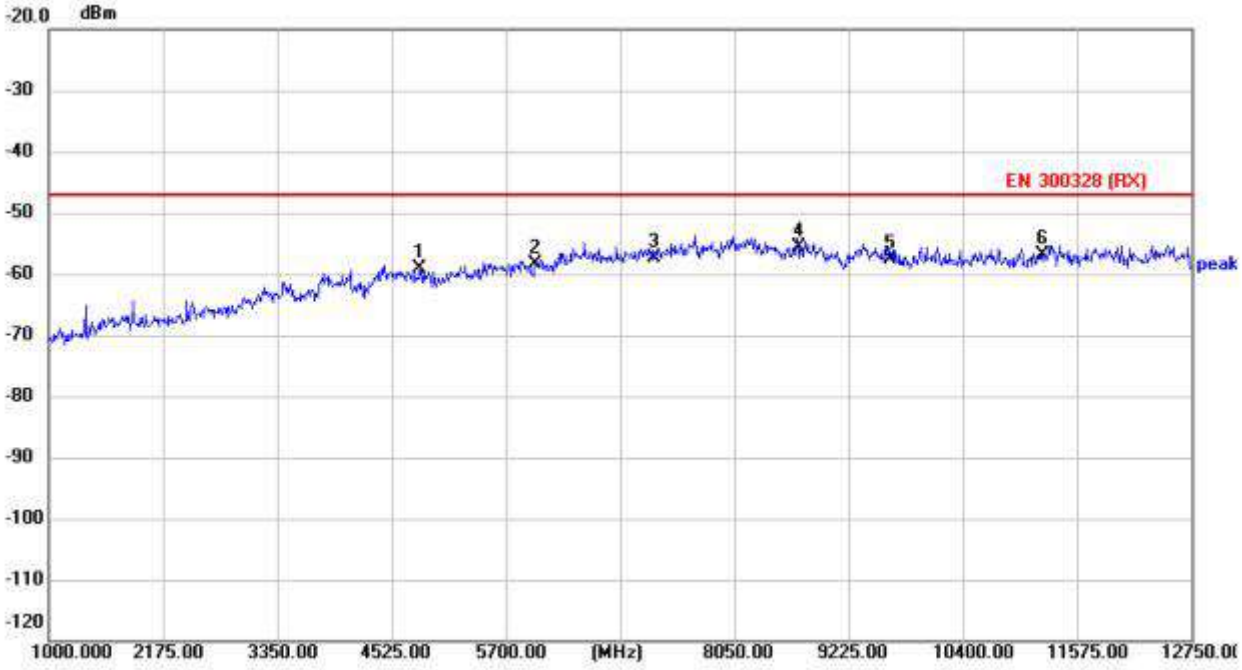


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4824.000	-79.24	18.19	-61.05	-47.0	-14.05	peak	
2		5570.750	-78.37	19.38	-58.99	-47.0	-11.99	peak	
3		7236.000	-80.57	22.17	-58.40	-47.0	-11.40	peak	
4	*	8390.750	-78.41	22.89	-55.52	-47.0	-8.52	peak	
5		9648.000	-79.97	23.01	-56.96	-47.0	-9.96	peak	
6		11457.50	-79.10	23.31	-55.79	-47.0	-8.79	peak	

Test Result: Pass

802.11b

[Test Mode: TX Low channel]; [Polarity: Vertical]

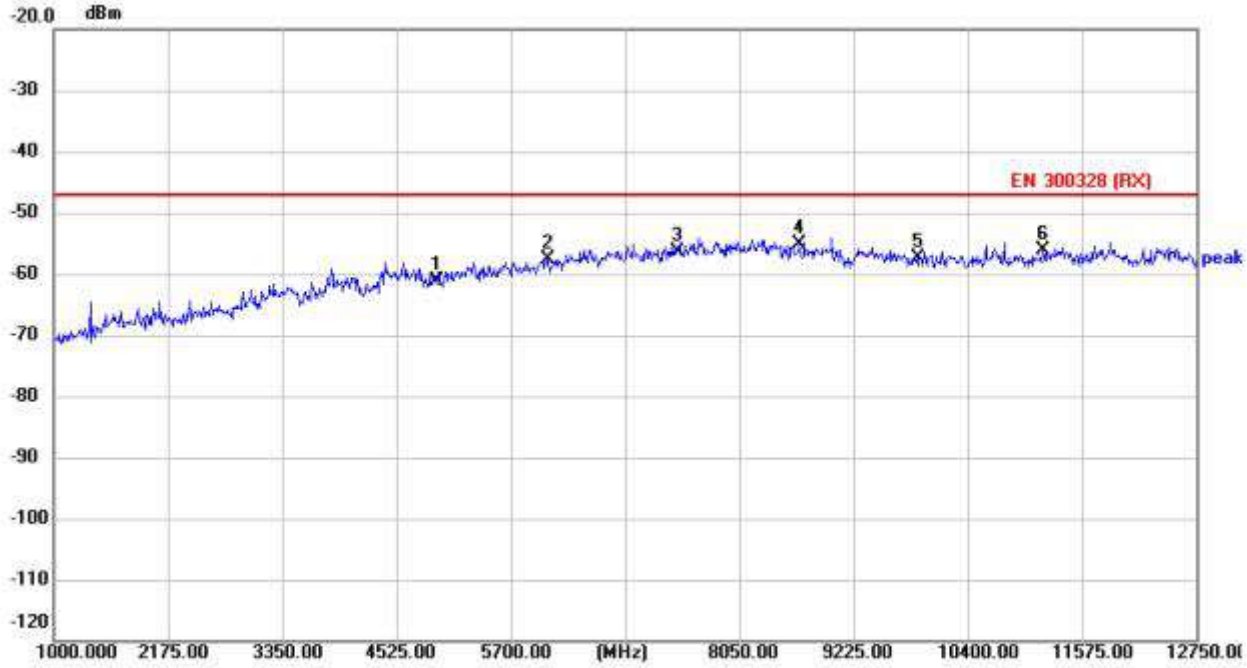


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4824.000	-77.39	18.19	-59.20	-47.0	-12.20	peak	
2		6005.500	-78.42	20.09	-58.33	-47.0	-11.33	peak	
3		7236.000	-79.44	22.17	-57.27	-47.0	-10.27	peak	
4	*	8719.750	-78.62	22.91	-55.71	-47.0	-8.71	peak	
5		9648.000	-80.52	23.01	-57.51	-47.0	-10.51	peak	
6		11222.50	-80.15	23.30	-56.85	-47.0	-9.85	peak	

Test Result: Pass

802.11b

[Test Mode: TX high channel]; [Polarity: Horizontal]

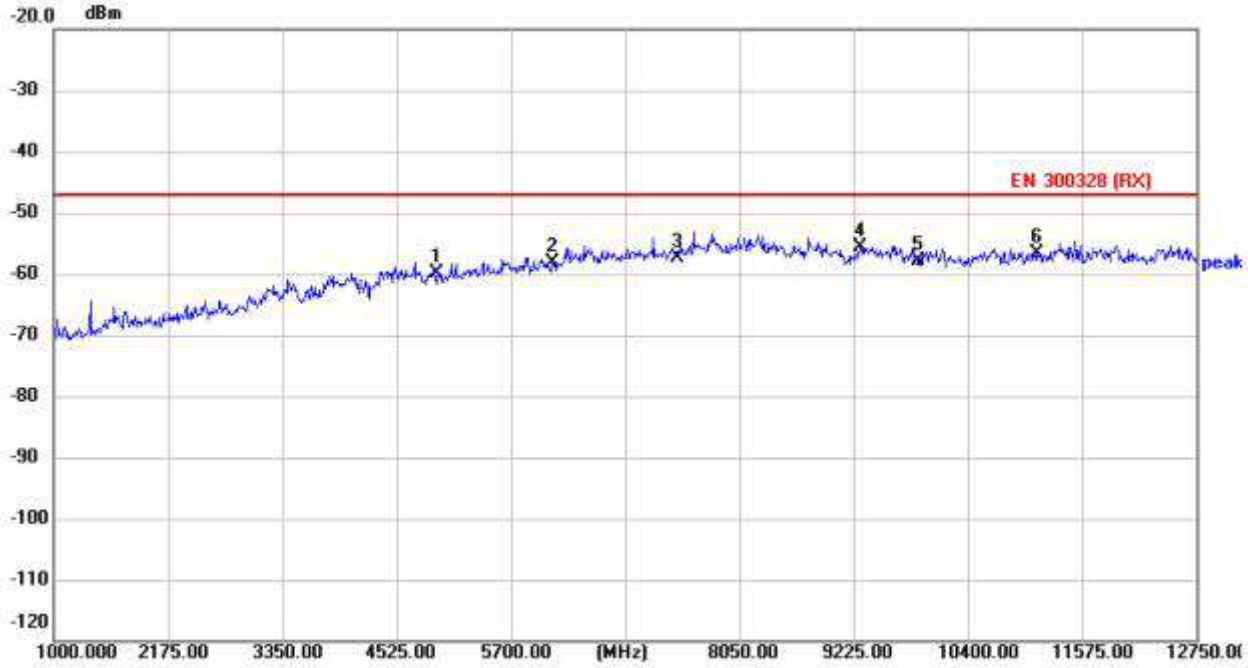


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4944.000	-79.36	18.31	-61.05	-47.0	-14.05	peak	
2		6087.750	-77.99	20.38	-57.61	-47.0	-10.61	peak	
3		7416.000	-78.85	22.44	-56.41	-47.0	-9.41	peak	
4	*	8672.750	-77.94	22.91	-55.03	-47.0	-8.03	peak	
5		9888.000	-80.53	23.04	-57.49	-47.0	-10.49	peak	
6		11175.50	-79.50	23.30	-56.20	-47.0	-9.20	peak	

Test Result: Pass

802.11b

[Test Mode: TX high channel]; [Polarity: Vertical]



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		4944.000	-78.12	18.31	-59.81	-47.0	-12.81	peak	
2		6123.000	-78.71	20.51	-58.20	-47.0	-11.20	peak	
3		7416.000	-79.72	22.44	-57.28	-47.0	-10.28	peak	
4	*	9295.500	-78.66	22.97	-55.69	-47.0	-8.69	peak	
5		9888.000	-80.80	23.04	-57.76	-47.0	-10.76	peak	
6		11105.00	-80.01	23.29	-56.72	-47.0	-9.72	peak	

Test Result: Pass

6.7 Receiver Blocking

Test Standard	ETSI EN 300328 V2.2.2 (2019-07)
Test Method	EN 300 328 V2.2.2 clause 5.4.11.2
Test Mode (Pre-Scan)	RX
Test Mode (Final Test)	RX

6.7.1 Limit

While maintaining the minimum performance criteria as defined in clause 4.3.1.12.3, 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 6, table 7 or table 8.

Table 6: 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 2 524 2 584 2 674		

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.

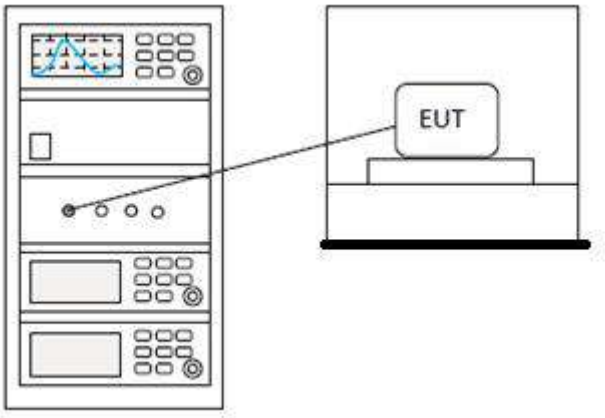
Table 7: Receiver Blocking parameters receiver Category 2 equipment

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 8: Receiver Blocking parameters receiver Category 3 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) + 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.			

6.7.2 Test setup



6.7.3 Test data

Pass: Please refer to appendix A for details

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6.8 Adaptivity

6.8.1 Definition

Adaptive non-FHSS using DAA is a mechanism for non-FHSS equipment by which a given channel is made 'unavailable' because an interfering signal was reported after the transmission in that channel.

6.8.2 Limit

Adaptive Type	Limit
Adaptive Frequency Hopping using LBT based DAA	The CCA observation time shall be not less than 0,2 % of the Channel Occupancy Time with a minimum of 18 µs.
	The Channel Occupancy Time for a given hopping frequency, which starts immediately after a successful CCA, shall be less than 60 ms followed by an Idle Period of minimum 5 % of the Channel Occupancy Time with a minimum of 100 µs.
	For LBT based adaptive frequency hopping equipment with a dwell time < 60 ms, the maximum Channel Occupancy Time is limited by the dwell time.
Adaptive Frequency Hopping using other forms of DAA (non-LBT based)	The hopping frequency shall remain unavailable for a minimum time equal to 1 second or 5 times the actual number of hopping frequencies in the current (adapted) channel map used by the equipment, multiplied with the Channel Occupancy Time whichever is greater.
	The Channel Occupancy Time for a given hopping frequency shall be less than 40 ms. For equipment using a dwell time > 40 ms that wants to have other transmissions during the same hop (dwell time) an Idle Period (no transmissions) of minimum 5 % of the Channel Occupancy Period with a minimum of 100 µs shall be implemented.
	For non-LBT based frequency hopping equipment with a dwell time < 40 ms, the maximum Channel Occupancy Time may be non-contiguous, i.e. spread over a number of hopping sequences (equal to 40 ms divided by the dwell time [ms]).
Short Control Signalling Transmissions	If implemented, Short Control Signalling Transmissions shall have a maximum TxOn / (TxOn + TxOff) ratio of 10 % within any observation period of 50 ms or within an observation period equal to the dwell time, whichever is less.

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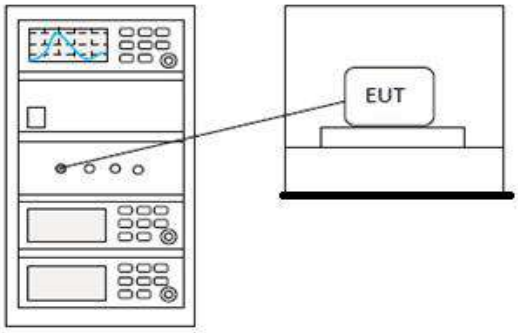
Non-LBT based Detect and Avoid	The Channel Occupancy Time shall be less than 40 ms. Each such transmission sequence shall be followed by an Idle Period (no transmissions) of minimum 5 % of the Channel Occupancy Time with a minimum of 100 µs.
LBT based Detect and Avoid (FBE)	The equipment shall observe the operating channel for the duration of the CCA observation time which shall be not less than 18 µs.
	The Channel Occupancy Time shall be in the range 1 ms to 10 ms followed by an Idle Period of at least 5 % of the Channel Occupancy Time used in the equipment for the current Fixed Frame Period.
	The 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 CCA threshold level may be relaxed to: TL = -70 dBm/MHz + 10 × log10 (100 mW / Pout) (Pout in mW e.i.r.p.)
LBT based Detect and Avoid (LBE)	The equipment shall observe the operating channel for the duration of the CCA observation time which shall be not less than 18 µs.
	This Channel Occupancy Time shall be less than 13 ms
	The 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 CCA threshold level may be relaxed to: TL = -70 dBm/MHz + 10 × log10 (100 mW / Pout) (Pout in mW e.i.r.p.)

6.8.3 Test setup



6.8.4 Test data

N/A: Not Applicable

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7 Appendix A

7.1 Test data

7.1.1 RF Output Power

Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	3.52	92	6.52	20	Pass
NVNT	b	2442	Ant1	3.73	93	6.73	20	Pass
NVNT	b	2472	Ant1	3.6	93	6.6	20	Pass
NVNT	g	2412	Ant1	3.36	217	6.36	20	Pass
NVNT	g	2442	Ant1	3.51	253	6.51	20	Pass
NVNT	g	2472	Ant1	3.46	216	6.46	20	Pass
NVNT	n20	2412	Ant1	3.86	195	6.86	20	Pass
NVNT	n20	2442	Ant1	3.97	250	6.97	20	Pass
NVNT	n20	2472	Ant1	3.89	198	6.89	20	Pass
NVNT	n40	2422	Ant1	3.27	227	6.27	20	Pass
NVNT	n40	2442	Ant1	3.13	198	6.13	20	Pass
NVNT	n40	2462	Ant1	3.46	228	6.46	20	Pass
NVLT	b	2412	Ant1	3.54	91	6.54	20	Pass
NVLT	b	2442	Ant1	3.67	94	6.67	20	Pass
NVLT	b	2472	Ant1	3.51	84	6.51	20	Pass
NVLT	g	2412	Ant1	3.52	234	6.52	20	Pass
NVLT	g	2442	Ant1	3.55	217	6.55	20	Pass
NVLT	g	2472	Ant1	3.45	205	6.45	20	Pass
NVLT	n20	2412	Ant1	3.89	226	6.89	20	Pass
NVLT	n20	2442	Ant1	4.02	198	7.02	20	Pass
NVLT	n20	2472	Ant1	3.86	203	6.86	20	Pass
NVLT	n40	2422	Ant1	3.24	222	6.24	20	Pass
NVLT	n40	2442	Ant1	3.09	188	6.09	20	Pass
NVLT	n40	2462	Ant1	3.32	209	6.32	20	Pass
NVHT	b	2412	Ant1	3.59	92	6.59	20	Pass
NVHT	b	2442	Ant1	3.67	93	6.67	20	Pass

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NVHT	b	2472	Ant1	3.41	93	6.41	20	Pass
NVHT	g	2412	Ant1	3.55	196	6.55	20	Pass
NVHT	g	2442	Ant1	3.52	204	6.52	20	Pass
NVHT	g	2472	Ant1	3.5	254	6.5	20	Pass
NVHT	n20	2412	Ant1	3.92	231	6.92	20	Pass
NVHT	n20	2442	Ant1	4.11	180	**7.11**	20	Pass
NVHT	n20	2472	Ant1	3.92	227	6.92	20	Pass
NVHT	n40	2422	Ant1	3.24	219	6.24	20	Pass
NVHT	n40	2442	Ant1	3.11	240	6.11	20	Pass
NVHT	n40	2462	Ant1	3.39	190	6.39	20	Pass

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7.1.2 Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	-2.48	10	Pass
NVNT	b	2442	Ant1	-2.28	10	Pass
NVNT	b	2472	Ant1	-2.43	10	Pass
NVNT	g	2412	Ant1	-4.84	10	Pass
NVNT	g	2442	Ant1	-4.74	10	Pass
NVNT	g	2472	Ant1	-4.82	10	Pass
NVNT	n20	2412	Ant1	-4.59	10	Pass
NVNT	n20	2442	Ant1	-4.61	10	Pass
NVNT	n20	2472	Ant1	-4.93	10	Pass
NVNT	n40	2422	Ant1	-7.95	10	Pass
NVNT	n40	2442	Ant1	-7.85	10	Pass
NVNT	n40	2462	Ant1	-7.52	10	Pass

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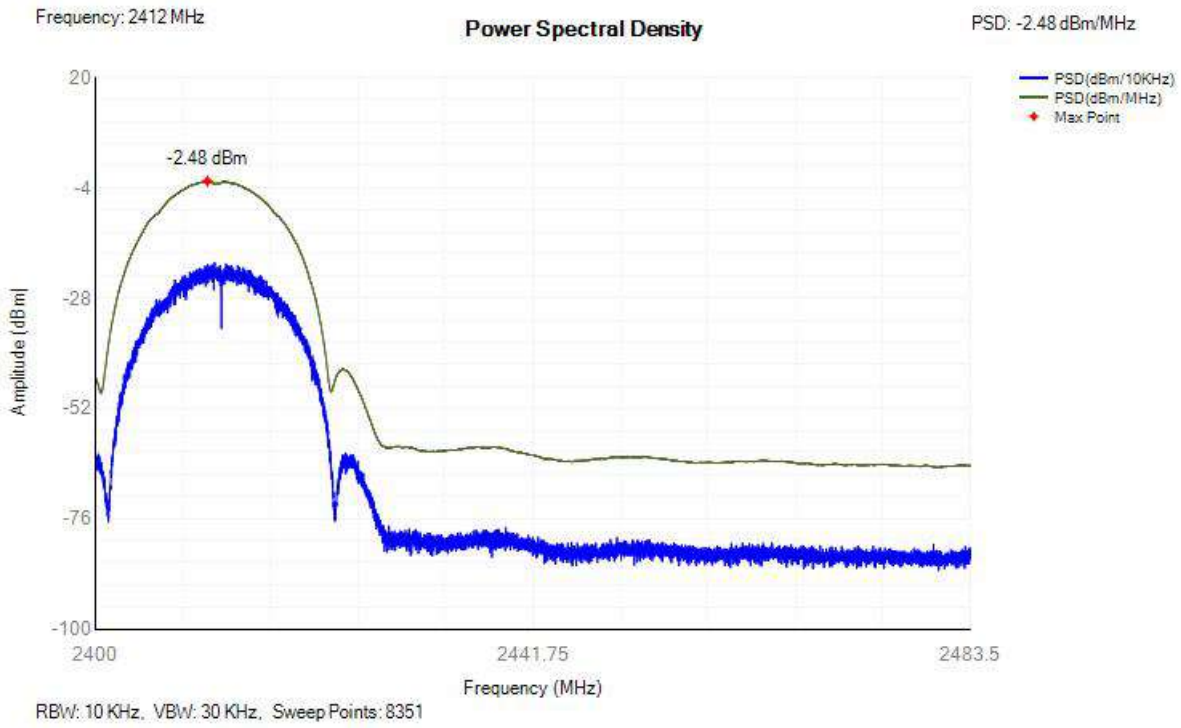
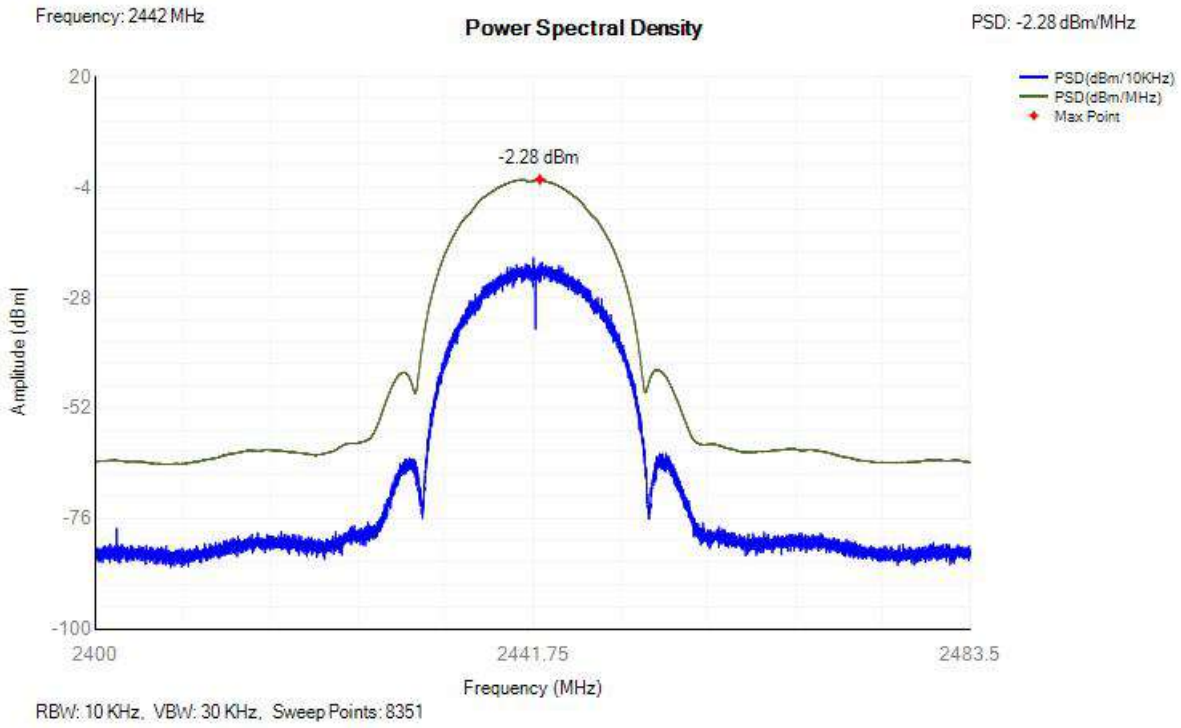
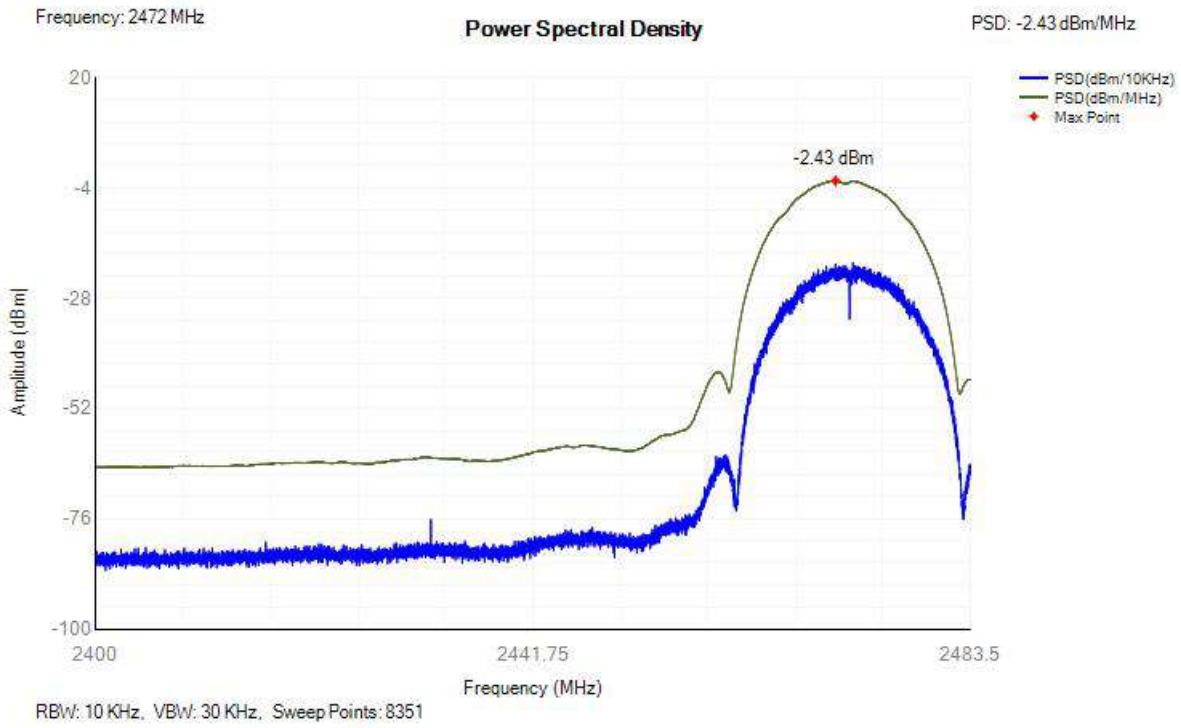
PSD NVNT b 2412MHz Ant1



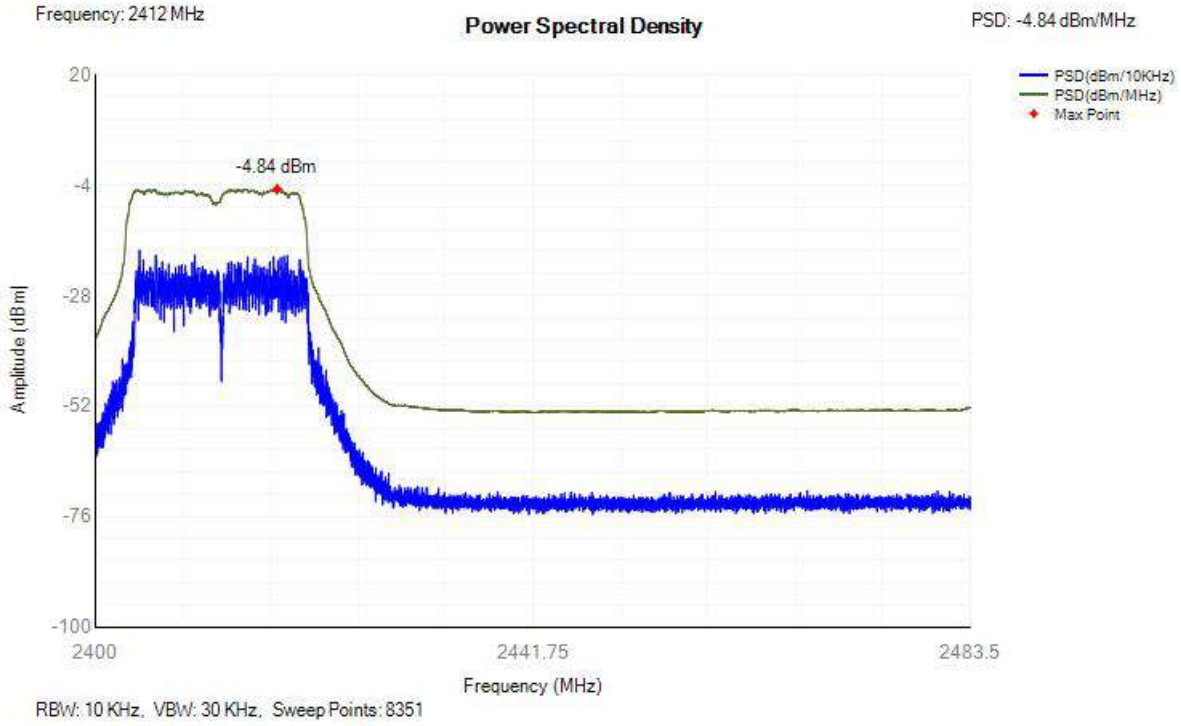
PSD NVNT b 2442MHz Ant1



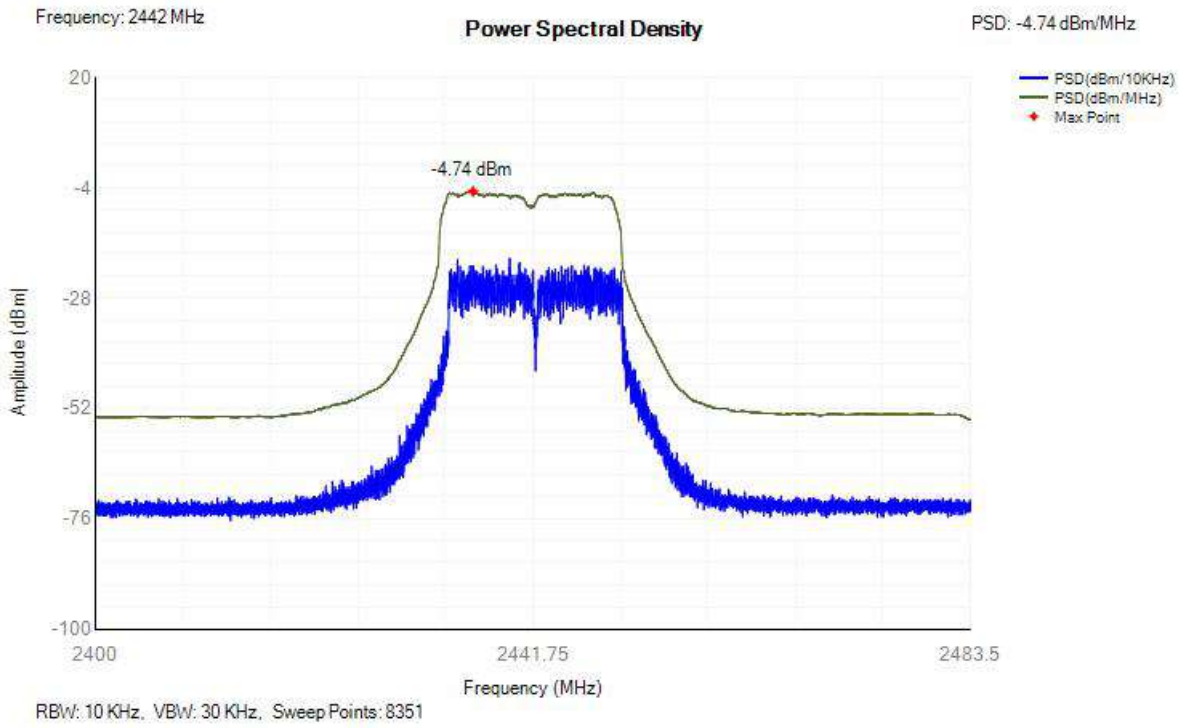
PSD NVNT b 2472MHz Ant1



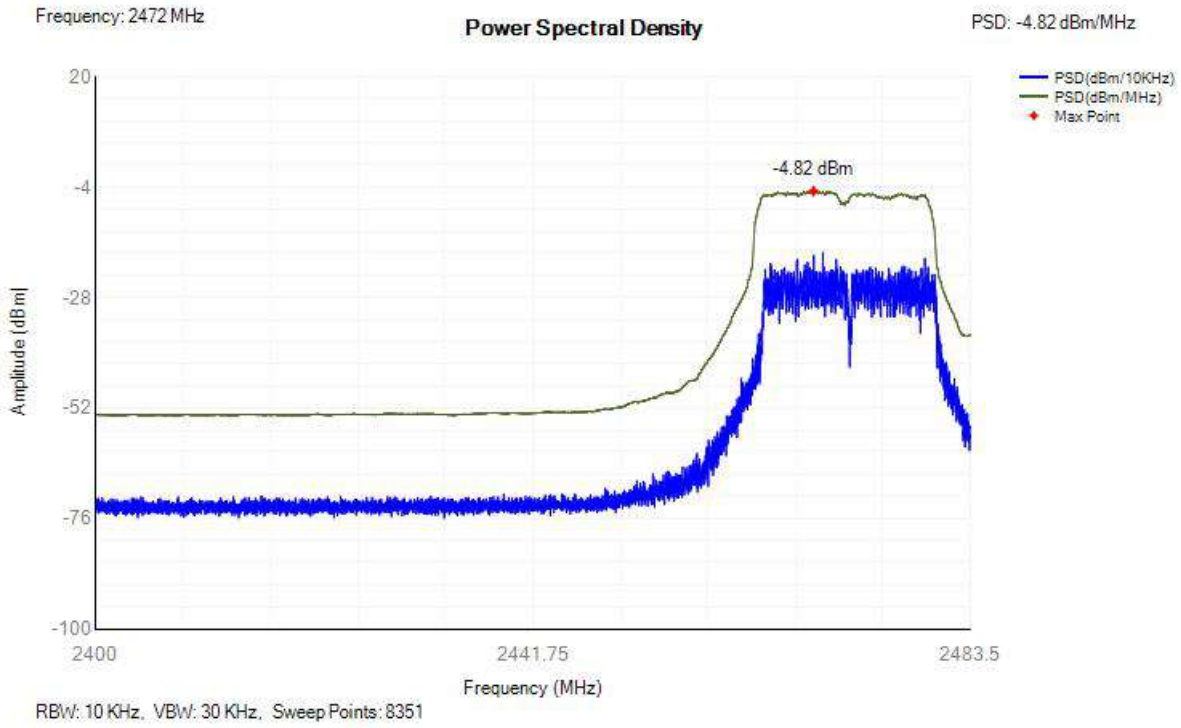
PSD NVHT g 2412MHz Ant1



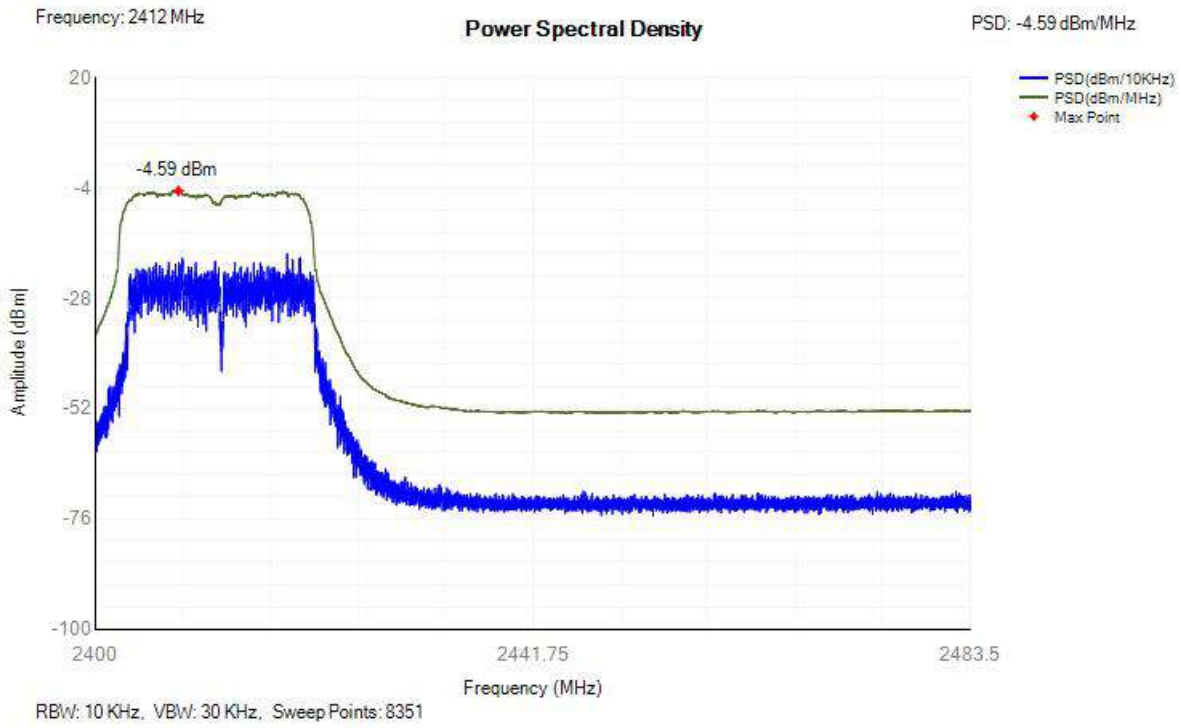
PSD NVNT g 2442MHz Ant1



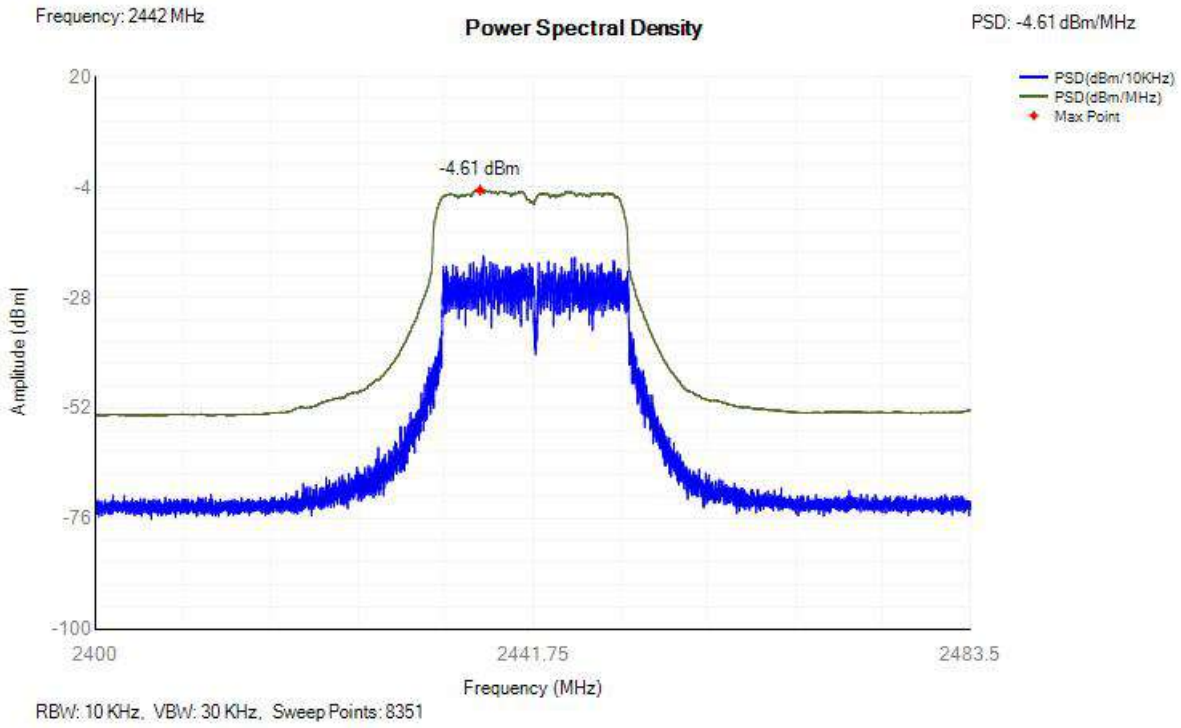
PSD NVNT g 2472MHz Ant1



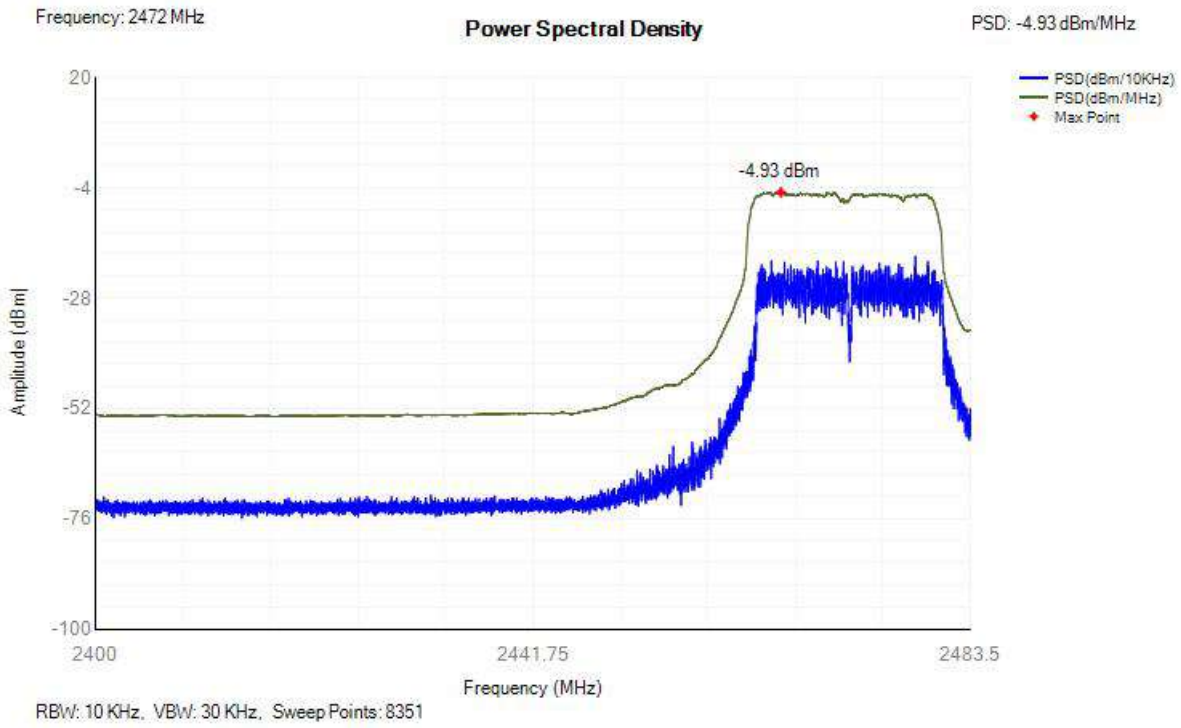
PSD NVNT n20 2412MHz Ant1



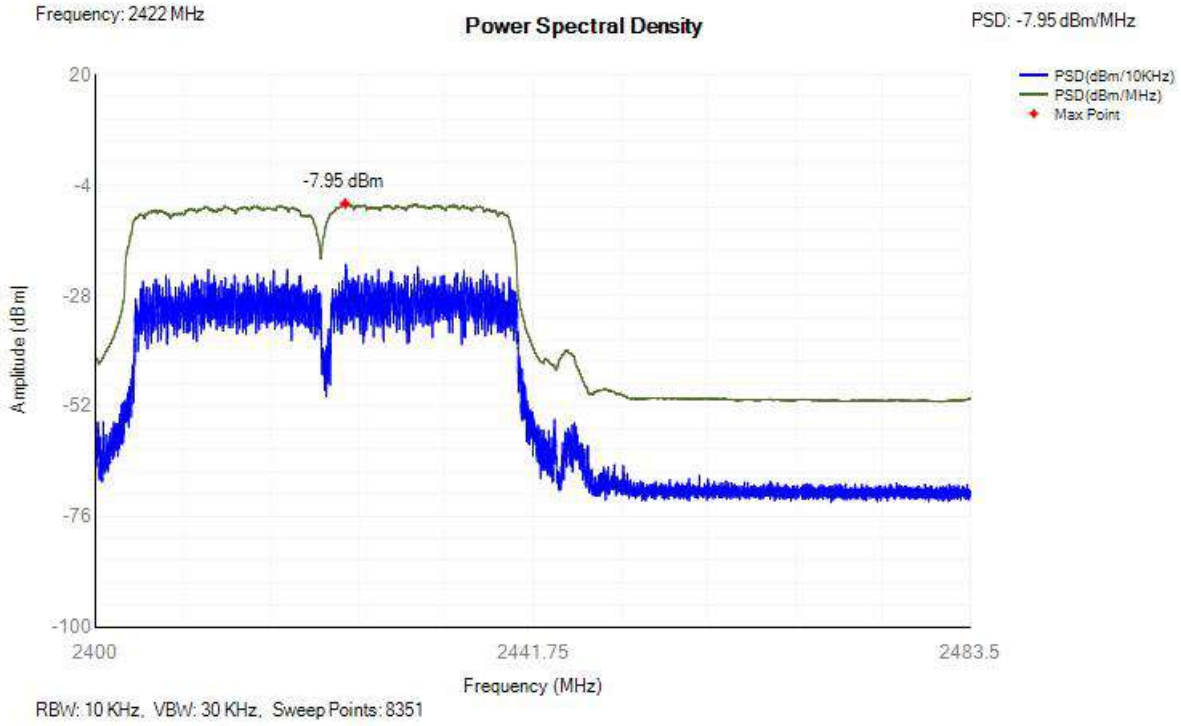
PSD NVNT n20 2442MHz Ant1



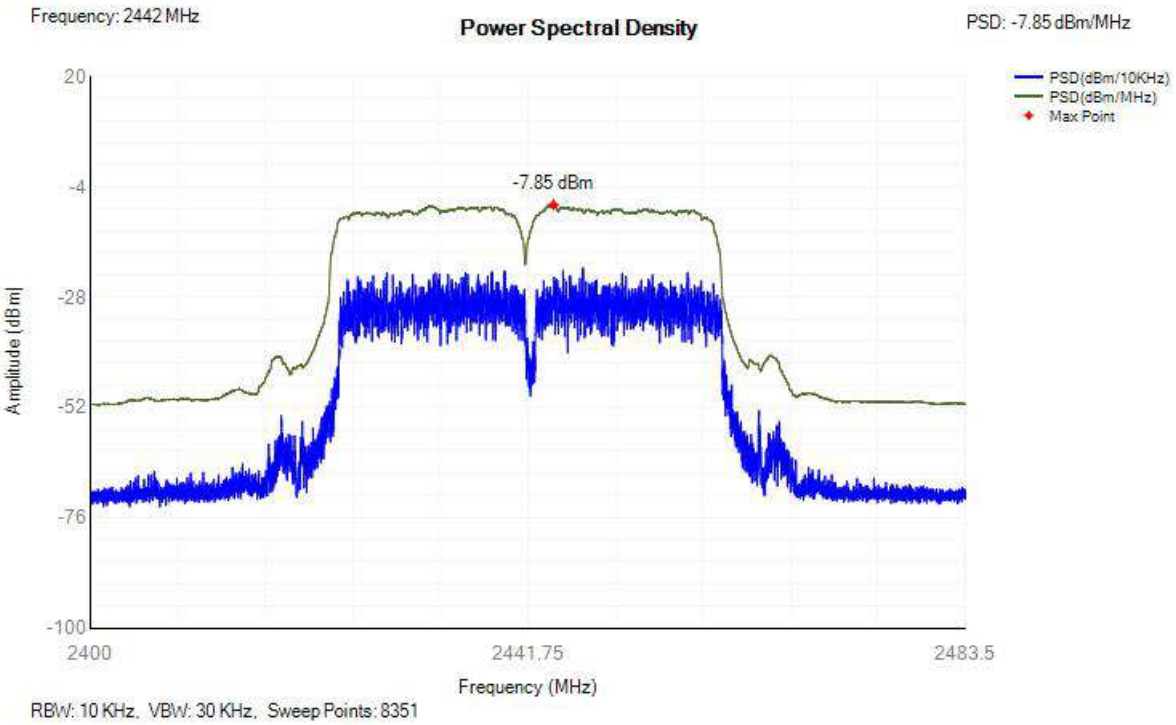
PSD NVNT n20 2472MHz Ant1



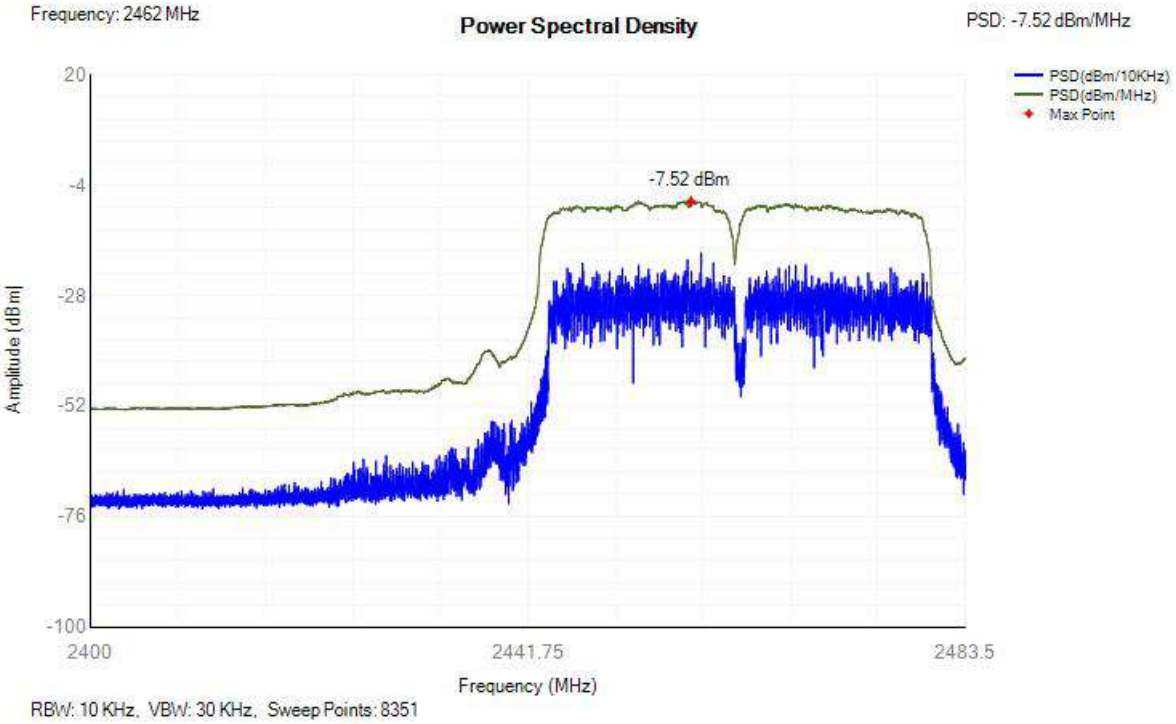
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2442MHz Ant1



PSD NVNT n40 2462MHz Ant1



7.1.3 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	b	2412	2411.997	14.933	2404.53	2419.463	2400 - 2483.5MHz	Pass
NVNT	b	2442	2441.975	14.857	2434.547	2449.404	2400 - 2483.5MHz	Pass
NVNT	b	2472	2471.936	14.904	2464.484	2479.388	2400 - 2483.5MHz	Pass
NVNT	g	2412	2411.997	16.65	2403.672	2420.322	2400 - 2483.5MHz	Pass
NVNT	g	2442	2441.98	16.623	2433.668	2450.291	2400 - 2483.5MHz	Pass
NVNT	g	2472	2471.971	16.615	2463.663	2480.279	2400 - 2483.5MHz	Pass
NVNT	n20	2412	2411.988	17.802	2403.087	2420.889	2400 - 2483.5MHz	Pass
NVNT	n20	2442	2441.988	17.796	2433.09	2450.886	2400 - 2483.5MHz	Pass
NVNT	n20	2472	2471.969	17.789	2463.074	2480.863	2400 - 2483.5MHz	Pass
NVNT	n40	2422	2422.017	36.068	2403.983	2440.051	2400 - 2483.5MHz	Pass
NVNT	n40	2442	2442.011	36.041	2423.99	2460.031	2400 - 2483.5MHz	Pass
NVNT	n40	2462	2461.956	36.04	2443.936	2479.976	2400 - 2483.5MHz	Pass

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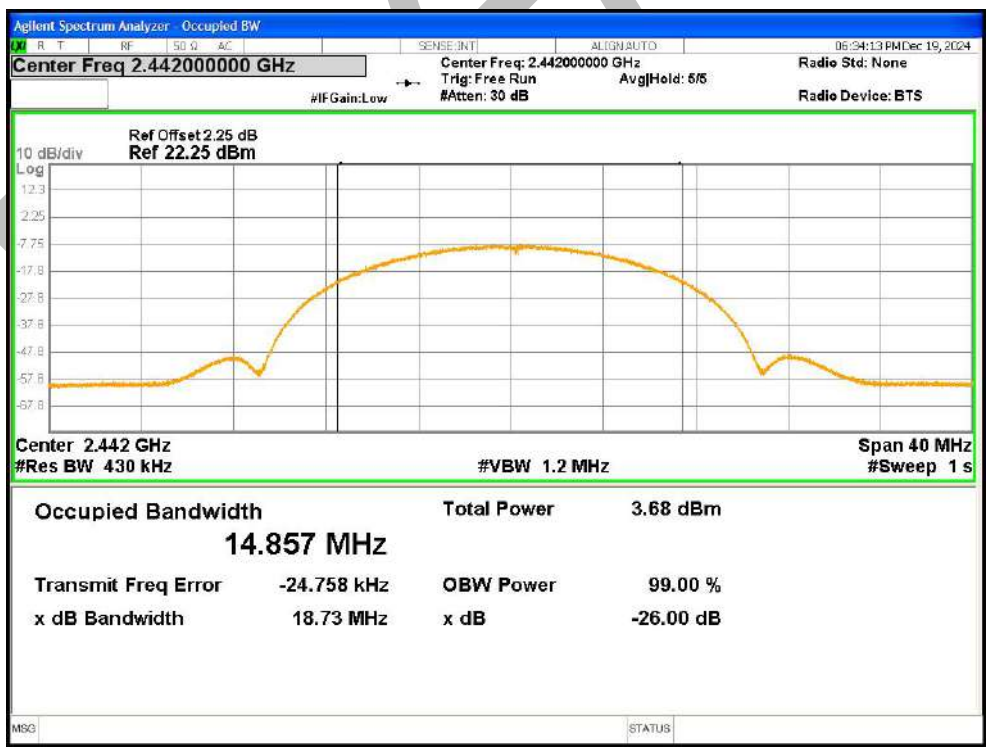
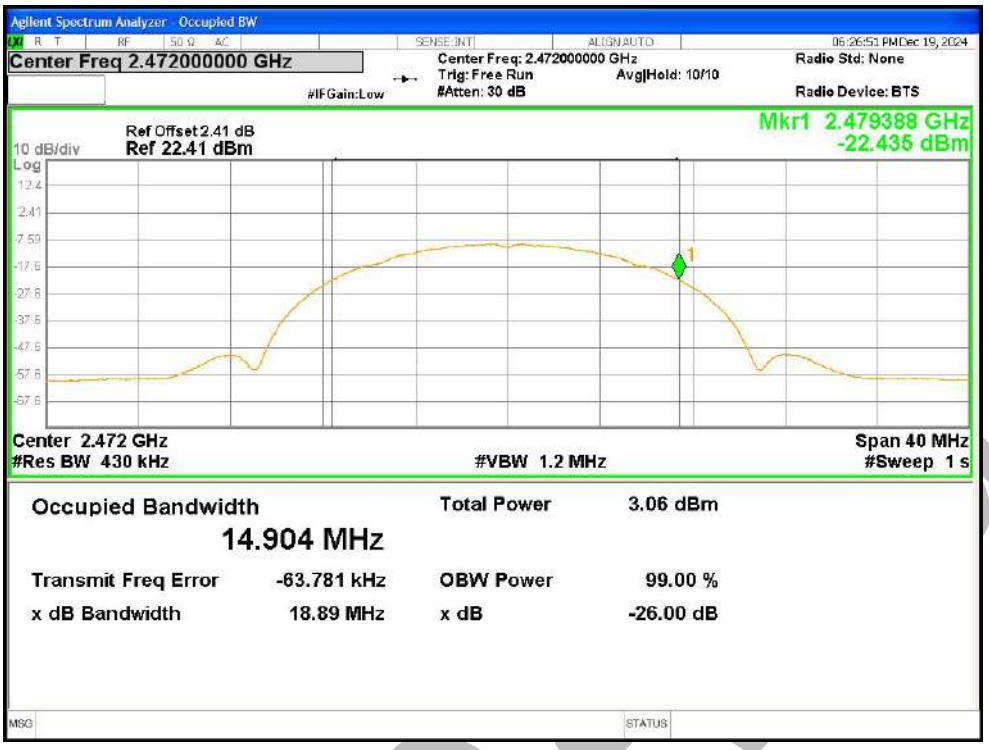
OBW NVNT b 2412MHz Ant1

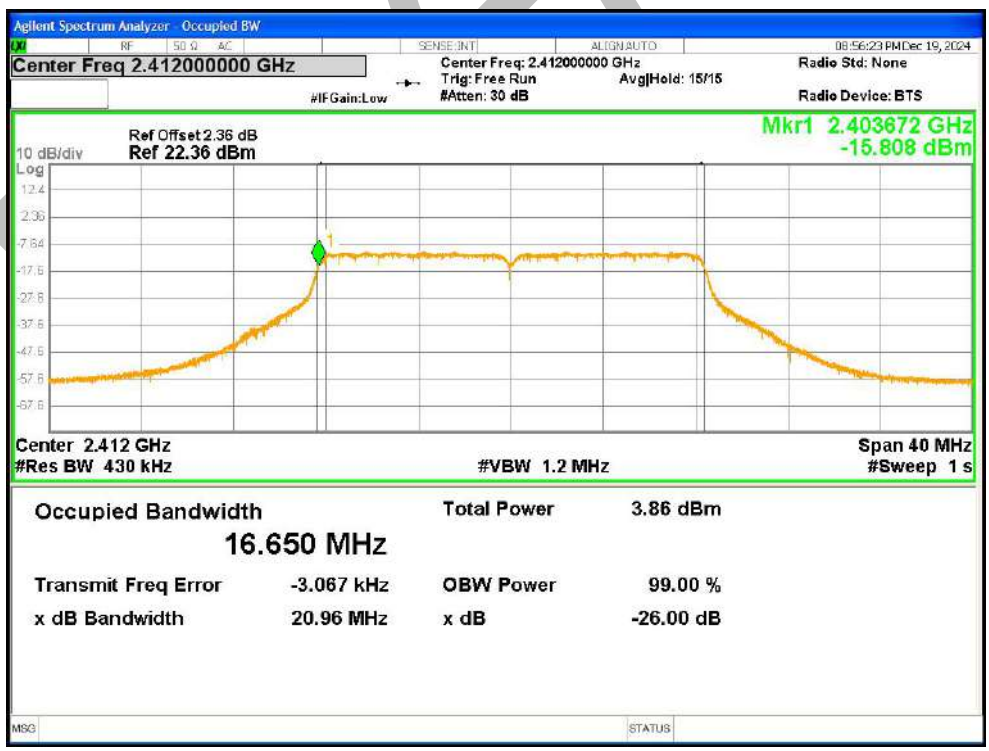
OBW NVNT b 2442MHz Ant1



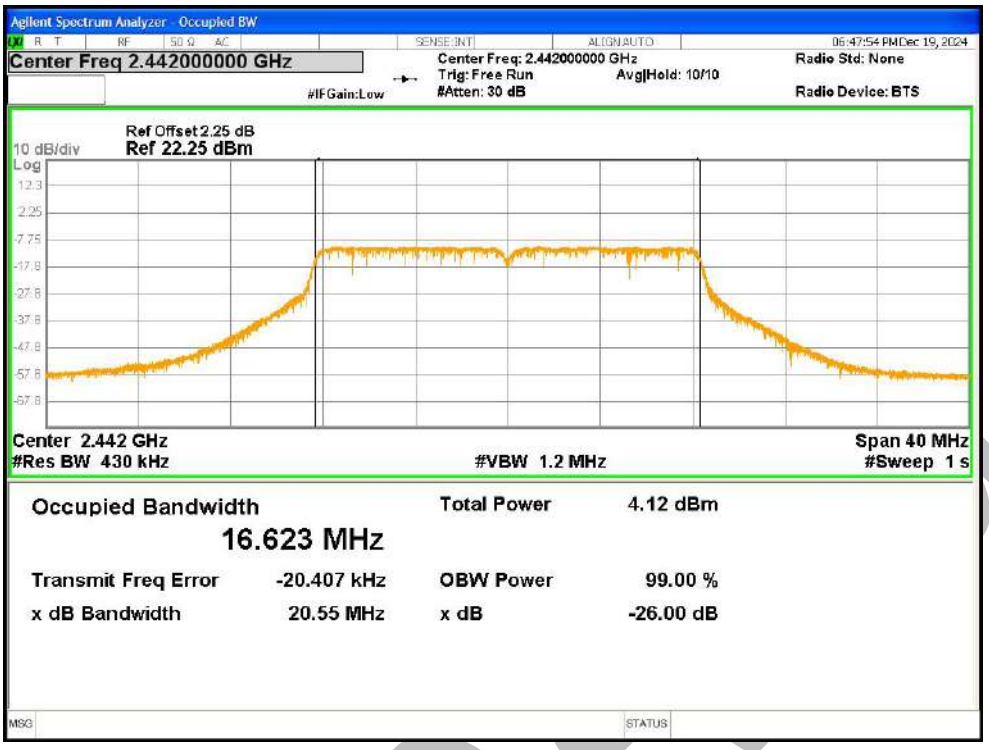
OBW NVNT b 2472MHz Ant1



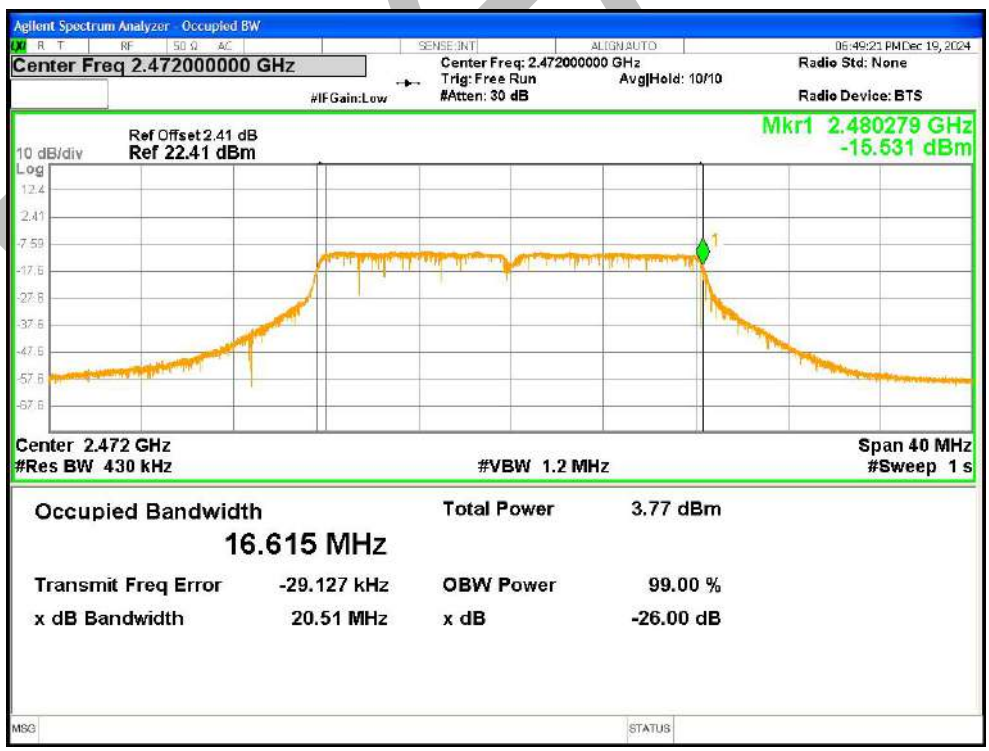
OBW NVNT g 2412MHz Ant1



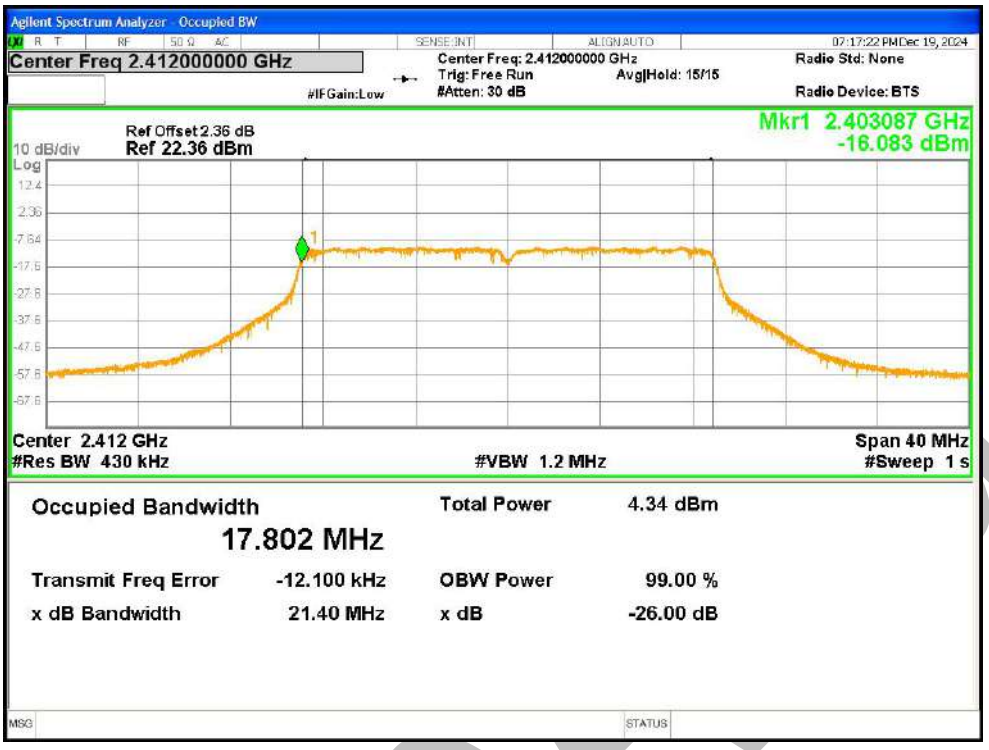
OBW NVNT g 2442MHz Ant1



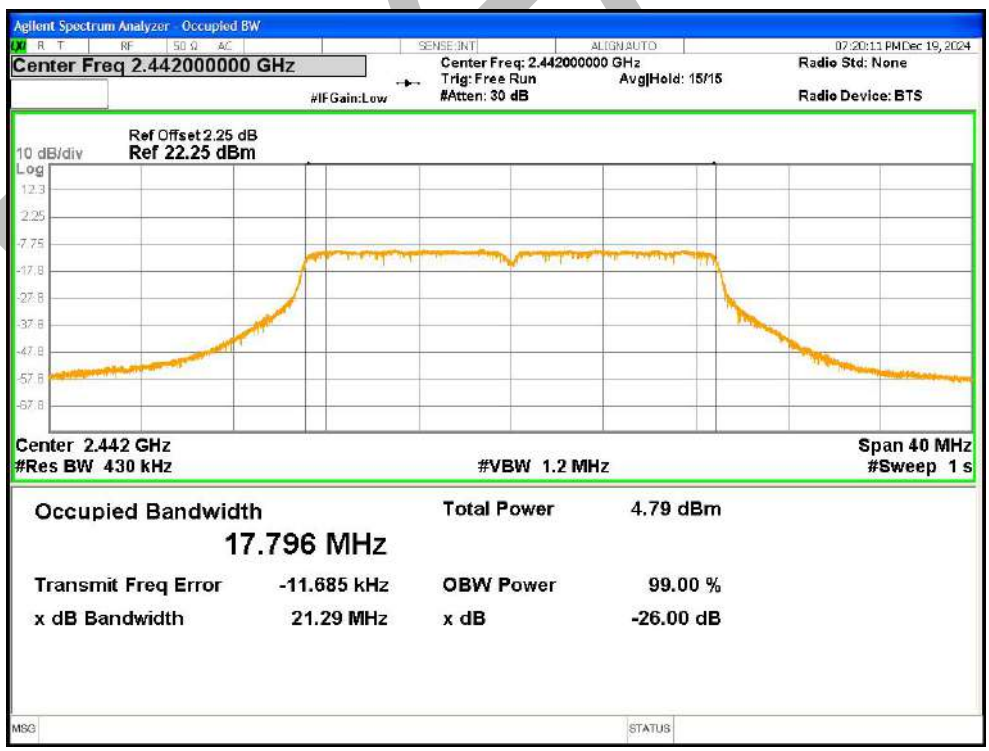
OBW NVNT g 2472MHz Ant1



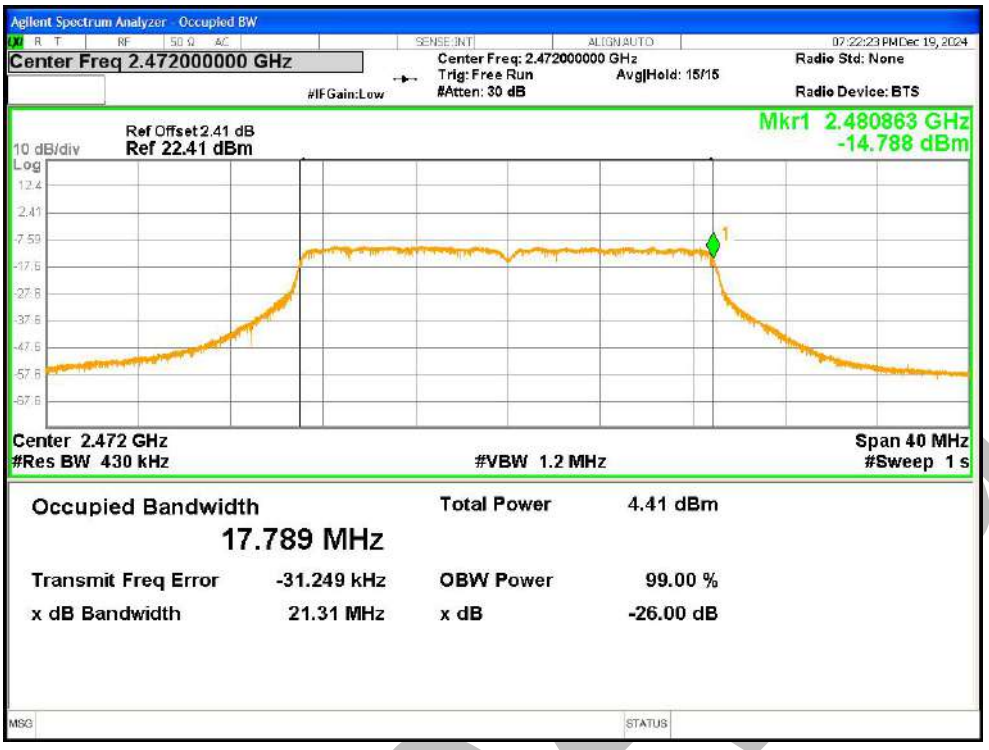
OBW NVNT n20 2412MHz Ant1



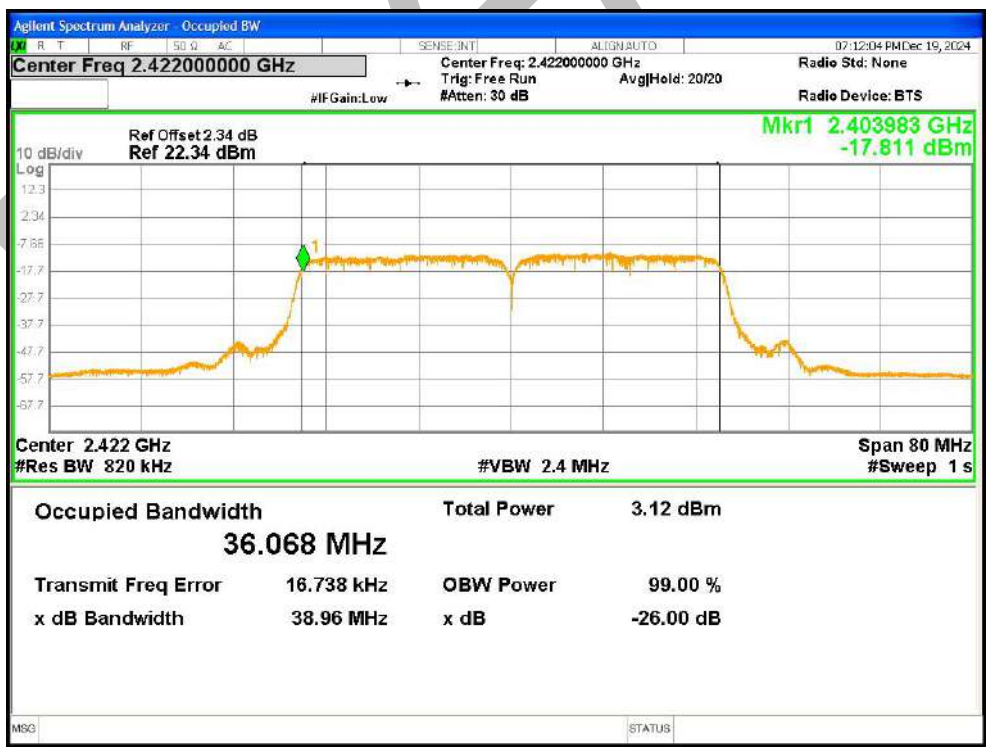
OBW NVNT n20 2442MHz Ant1



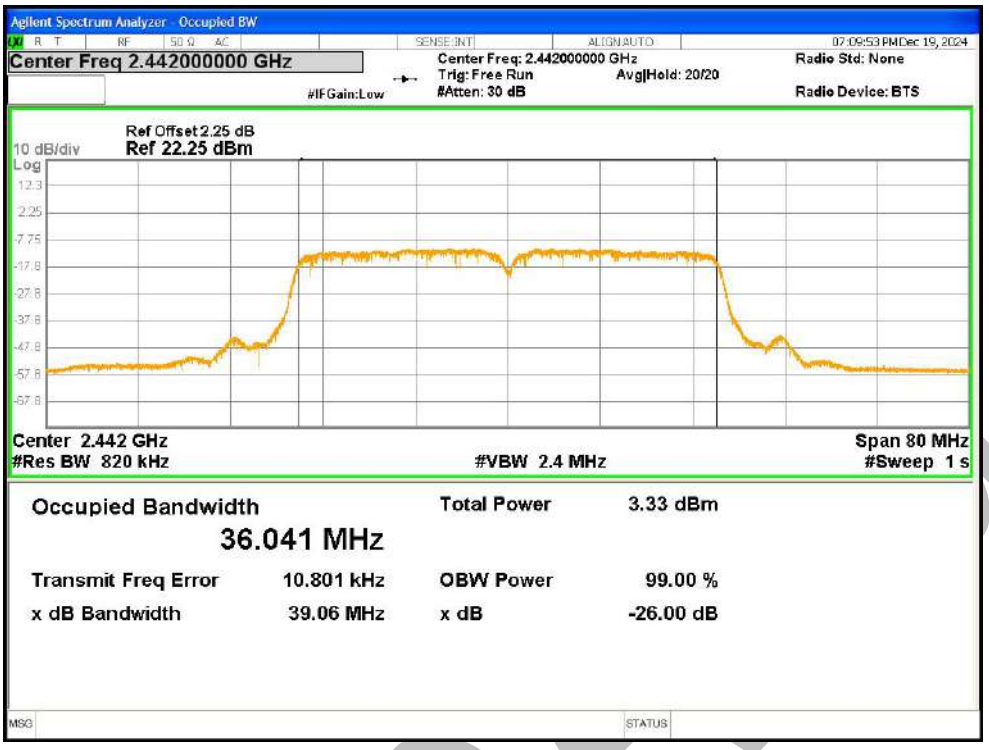
OBW NVNT n20 2472MHz Ant1



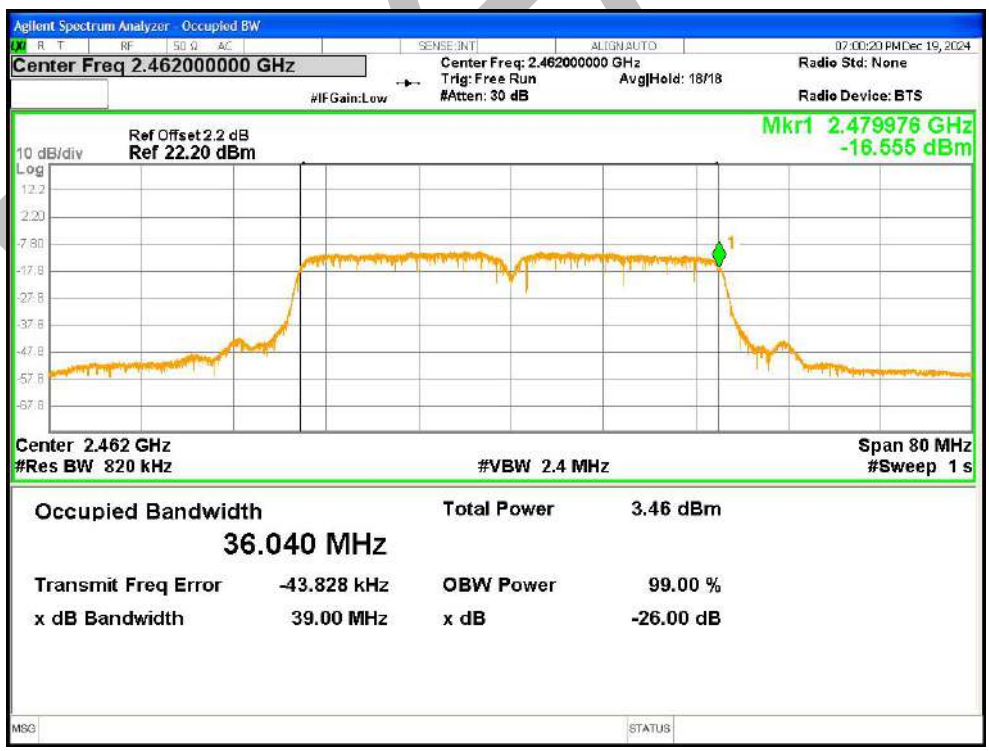
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2442MHz Ant1



OBW NVNT n40 2462MHz Ant1



7.1.4 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	b	2412	Ant1	2399.5	-48.12	-10	Pass
NVNT	b	2412	Ant1	2398.5	-51.99	-10	Pass
NVNT	b	2412	Ant1	2397.5	-57.94	-10	Pass
NVNT	b	2412	Ant1	2396.5	-63.8	-10	Pass
NVNT	b	2412	Ant1	2395.5	-65.58	-10	Pass
NVNT	b	2412	Ant1	2394.5	-64.91	-10	Pass
NVNT	b	2412	Ant1	2393.5	-66.28	-10	Pass
NVNT	b	2412	Ant1	2392.5	-66.95	-10	Pass
NVNT	b	2412	Ant1	2391.5	-67.09	-10	Pass
NVNT	b	2412	Ant1	2390.5	-66.56	-10	Pass
NVNT	b	2412	Ant1	2389.5	-66.18	-10	Pass
NVNT	b	2412	Ant1	2388.5	-66.18	-10	Pass
NVNT	b	2412	Ant1	2387.5	-65.37	-10	Pass
NVNT	b	2412	Ant1	2386.5	-65.86	-10	Pass
NVNT	b	2412	Ant1	2385.567	-65.78	-10	Pass
NVNT	b	2412	Ant1	2384.567	-65.6	-20	Pass
NVNT	b	2412	Ant1	2383.567	-66.35	-20	Pass
NVNT	b	2412	Ant1	2382.567	-67.08	-20	Pass
NVNT	b	2412	Ant1	2381.567	-67.75	-20	Pass
NVNT	b	2412	Ant1	2380.567	-68.61	-20	Pass
NVNT	b	2412	Ant1	2379.567	-69.52	-20	Pass
NVNT	b	2412	Ant1	2378.567	-69.62	-20	Pass
NVNT	b	2412	Ant1	2377.567	-69.72	-20	Pass
NVNT	b	2412	Ant1	2376.567	-69.58	-20	Pass
NVNT	b	2412	Ant1	2375.567	-71.44	-20	Pass
NVNT	b	2412	Ant1	2374.567	-69.22	-20	Pass
NVNT	b	2412	Ant1	2373.567	-68.36	-20	Pass
NVNT	b	2412	Ant1	2372.567	-68.44	-20	Pass
NVNT	b	2412	Ant1	2371.567	-68.32	-20	Pass
NVNT	b	2412	Ant1	2370.634	-68.31	-20	Pass
NVNT	b	2472	Ant1	2484	-47.44	-10	Pass

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NVNT	b	2472	Ant1	2485	-49.11	-10	Pass
NVNT	b	2472	Ant1	2486	-53.21	-10	Pass
NVNT	b	2472	Ant1	2487	-58.82	-10	Pass
NVNT	b	2472	Ant1	2488	-61.87	-10	Pass
NVNT	b	2472	Ant1	2489	-62.97	-10	Pass
NVNT	b	2472	Ant1	2490	-63.35	-10	Pass
NVNT	b	2472	Ant1	2491	-64.13	-10	Pass
NVNT	b	2472	Ant1	2492	-65.64	-10	Pass
NVNT	b	2472	Ant1	2493	-66.07	-10	Pass
NVNT	b	2472	Ant1	2494	-66.18	-10	Pass
NVNT	b	2472	Ant1	2495	-65.98	-10	Pass
NVNT	b	2472	Ant1	2496	-65.59	-10	Pass
NVNT	b	2472	Ant1	2497	-65.11	-10	Pass
NVNT	b	2472	Ant1	2497.904	-65.26	-10	Pass
NVNT	b	2472	Ant1	2498.904	-65.09	-20	Pass
NVNT	b	2472	Ant1	2499.904	-65.63	-20	Pass
NVNT	b	2472	Ant1	2500.904	-66.14	-20	Pass
NVNT	b	2472	Ant1	2501.904	-67.04	-20	Pass
NVNT	b	2472	Ant1	2502.904	-67.84	-20	Pass
NVNT	b	2472	Ant1	2503.904	-68.7	-20	Pass
NVNT	b	2472	Ant1	2504.904	-69.09	-20	Pass
NVNT	b	2472	Ant1	2505.904	-69.66	-20	Pass
NVNT	b	2472	Ant1	2506.904	-69.39	-20	Pass
NVNT	b	2472	Ant1	2507.904	-69.19	-20	Pass
NVNT	b	2472	Ant1	2508.904	-68.77	-20	Pass
NVNT	b	2472	Ant1	2509.904	-71.41	-20	Pass
NVNT	b	2472	Ant1	2510.904	-68.22	-20	Pass
NVNT	b	2472	Ant1	2511.904	-68.35	-20	Pass
NVNT	b	2472	Ant1	2512.808	-68.32	-20	Pass
NVHT	g	2412	Ant1	2399.5	-42.07	-10	Pass
NVHT	g	2412	Ant1	2398.5	-47.32	-10	Pass
NVHT	g	2412	Ant1	2397.5	-50.79	-10	Pass
NVHT	g	2412	Ant1	2396.5	-52.73	-10	Pass
NVHT	g	2412	Ant1	2395.5	-55.41	-10	Pass
NVHT	g	2412	Ant1	2394.5	-64.73	-10	Pass

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NVHT	g	2412	Ant1	2393.5	-57.76	-10	Pass
NVHT	g	2412	Ant1	2392.5	-60.89	-10	Pass
NVHT	g	2412	Ant1	2391.5	-63.04	-10	Pass
NVHT	g	2412	Ant1	2390.5	-61.28	-10	Pass
NVHT	g	2412	Ant1	2389.5	-67.45	-10	Pass
NVHT	g	2412	Ant1	2388.5	-65.39	-10	Pass
NVHT	g	2412	Ant1	2387.5	-67.37	-10	Pass
NVHT	g	2412	Ant1	2386.5	-64.43	-10	Pass
NVHT	g	2412	Ant1	2385.5	-66.88	-10	Pass
NVHT	g	2412	Ant1	2384.5	-65.86	-10	Pass
NVHT	g	2412	Ant1	2383.863	-63.84	-10	Pass
NVHT	g	2412	Ant1	2382.863	-67.58	-20	Pass
NVHT	g	2412	Ant1	2381.863	-63.93	-20	Pass
NVHT	g	2412	Ant1	2380.863	-64.29	-20	Pass
NVHT	g	2412	Ant1	2379.863	-67.07	-20	Pass
NVHT	g	2412	Ant1	2378.863	-67.59	-20	Pass
NVHT	g	2412	Ant1	2377.863	-66	-20	Pass
NVHT	g	2412	Ant1	2376.863	-64.85	-20	Pass
NVHT	g	2412	Ant1	2375.863	-65.83	-20	Pass
NVHT	g	2412	Ant1	2374.863	-65.06	-20	Pass
NVHT	g	2412	Ant1	2373.863	-67.19	-20	Pass
NVHT	g	2412	Ant1	2372.863	-65.95	-20	Pass
NVHT	g	2412	Ant1	2371.863	-64.81	-20	Pass
NVHT	g	2412	Ant1	2370.863	-64.97	-20	Pass
NVHT	g	2412	Ant1	2369.863	-67.74	-20	Pass
NVHT	g	2412	Ant1	2368.863	-67.36	-20	Pass
NVHT	g	2412	Ant1	2367.863	-64.62	-20	Pass
NVHT	g	2412	Ant1	2367.226	-66.4	-20	Pass
NVNT	g	2472	Ant1	2484	-39.73	-10	Pass
NVNT	g	2472	Ant1	2485	-45.43	-10	Pass
NVNT	g	2472	Ant1	2486	-50.43	-10	Pass
NVNT	g	2472	Ant1	2487	-53.87	-10	Pass
NVNT	g	2472	Ant1	2488	-55.64	-10	Pass
NVNT	g	2472	Ant1	2489	-57.96	-10	Pass
NVNT	g	2472	Ant1	2490	-61.48	-10	Pass

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NVNT	g	2472	Ant1	2491	-59.5	-10	Pass
NVNT	g	2472	Ant1	2492	-66.61	-10	Pass
NVNT	g	2472	Ant1	2493	-62.69	-10	Pass
NVNT	g	2472	Ant1	2494	-61.8	-10	Pass
NVNT	g	2472	Ant1	2495	-62.68	-10	Pass
NVNT	g	2472	Ant1	2496	-62.61	-10	Pass
NVNT	g	2472	Ant1	2497	-66.8	-10	Pass
NVNT	g	2472	Ant1	2498	-63.86	-10	Pass
NVNT	g	2472	Ant1	2499	-65.13	-10	Pass
NVNT	g	2472	Ant1	2499.615	-66.72	-10	Pass
NVNT	g	2472	Ant1	2500.615	-63.57	-20	Pass
NVNT	g	2472	Ant1	2501.615	-63.75	-20	Pass
NVNT	g	2472	Ant1	2502.615	-63.88	-20	Pass
NVNT	g	2472	Ant1	2503.615	-65.29	-20	Pass
NVNT	g	2472	Ant1	2504.615	-63.81	-20	Pass
NVNT	g	2472	Ant1	2505.615	-66.47	-20	Pass
NVNT	g	2472	Ant1	2506.615	-67.14	-20	Pass
NVNT	g	2472	Ant1	2507.615	-66.3	-20	Pass
NVNT	g	2472	Ant1	2508.615	-66.76	-20	Pass
NVNT	g	2472	Ant1	2509.615	-65.8	-20	Pass
NVNT	g	2472	Ant1	2510.615	-66.83	-20	Pass
NVNT	g	2472	Ant1	2511.615	-65.19	-20	Pass
NVNT	g	2472	Ant1	2512.615	-66.72	-20	Pass
NVNT	g	2472	Ant1	2513.615	-64.8	-20	Pass
NVNT	g	2472	Ant1	2514.615	-64.9	-20	Pass
NVNT	g	2472	Ant1	2515.615	-65.49	-20	Pass
NVNT	g	2472	Ant1	2516.23	-65.17	-20	Pass
NVNT	n20	2412	Ant1	2399.5	-41.59	-10	Pass
NVNT	n20	2412	Ant1	2398.5	-45.07	-10	Pass
NVNT	n20	2412	Ant1	2397.5	-49.76	-10	Pass
NVNT	n20	2412	Ant1	2396.5	-52.47	-10	Pass
NVNT	n20	2412	Ant1	2395.5	-53.61	-10	Pass
NVNT	n20	2412	Ant1	2394.5	-53.85	-10	Pass
NVNT	n20	2412	Ant1	2393.5	-58.13	-10	Pass
NVNT	n20	2412	Ant1	2392.5	-56.91	-10	Pass

BlueAsia

NVNT	n20	2412	Ant1	2391.5	-67.52	-10	Pass
NVNT	n20	2412	Ant1	2390.5	-64.41	-10	Pass
NVNT	n20	2412	Ant1	2389.5	-66.92	-10	Pass
NVNT	n20	2412	Ant1	2388.5	-61.99	-10	Pass
NVNT	n20	2412	Ant1	2387.5	-62.28	-10	Pass
NVNT	n20	2412	Ant1	2386.5	-67.38	-10	Pass
NVNT	n20	2412	Ant1	2385.5	-66.56	-10	Pass
NVNT	n20	2412	Ant1	2384.5	-67.23	-10	Pass
NVNT	n20	2412	Ant1	2383.5	-64.15	-10	Pass
NVNT	n20	2412	Ant1	2382.709	-67.33	-10	Pass
NVNT	n20	2412	Ant1	2381.709	-67.47	-20	Pass
NVNT	n20	2412	Ant1	2380.709	-65.75	-20	Pass
NVNT	n20	2412	Ant1	2379.709	-67.21	-20	Pass
NVNT	n20	2412	Ant1	2378.709	-67.27	-20	Pass
NVNT	n20	2412	Ant1	2377.709	-64.5	-20	Pass
NVNT	n20	2412	Ant1	2376.709	-67.62	-20	Pass
NVNT	n20	2412	Ant1	2375.709	-67.1	-20	Pass
NVNT	n20	2412	Ant1	2374.709	-67.46	-20	Pass
NVNT	n20	2412	Ant1	2373.709	-65.84	-20	Pass
NVNT	n20	2412	Ant1	2372.709	-64.84	-20	Pass
NVNT	n20	2412	Ant1	2371.709	-67.22	-20	Pass
NVNT	n20	2412	Ant1	2370.709	-67.04	-20	Pass
NVNT	n20	2412	Ant1	2369.709	-64.78	-20	Pass
NVNT	n20	2412	Ant1	2368.709	-66.79	-20	Pass
NVNT	n20	2412	Ant1	2367.709	-64.37	-20	Pass
NVNT	n20	2412	Ant1	2366.709	-66.35	-20	Pass
NVNT	n20	2412	Ant1	2365.709	-65.59	-20	Pass
NVNT	n20	2412	Ant1	2364.918	-67.51	-20	Pass
NVNT	n20	2472	Ant1	2484	-38.26	-10	Pass
NVNT	n20	2472	Ant1	2485	-44.02	-10	Pass
NVNT	n20	2472	Ant1	2486	-51.52	-10	Pass
NVNT	n20	2472	Ant1	2487	-51.44	-10	Pass
NVNT	n20	2472	Ant1	2488	-53.71	-10	Pass
NVNT	n20	2472	Ant1	2489	-54.84	-10	Pass
NVNT	n20	2472	Ant1	2490	-57.06	-10	Pass

BlueAsia

NVNT	n20	2472	Ant1	2491	-57.59	-10	Pass
NVNT	n20	2472	Ant1	2492	-61.21	-10	Pass
NVNT	n20	2472	Ant1	2493	-66.71	-10	Pass
NVNT	n20	2472	Ant1	2494	-65.33	-10	Pass
NVNT	n20	2472	Ant1	2495	-64.83	-10	Pass
NVNT	n20	2472	Ant1	2496	-66.55	-10	Pass
NVNT	n20	2472	Ant1	2497	-66.7	-10	Pass
NVNT	n20	2472	Ant1	2498	-66.24	-10	Pass
NVNT	n20	2472	Ant1	2499	-65.13	-10	Pass
NVNT	n20	2472	Ant1	2500	-64.56	-10	Pass
NVNT	n20	2472	Ant1	2500.789	-65.94	-10	Pass
NVNT	n20	2472	Ant1	2501.789	-66.87	-20	Pass
NVNT	n20	2472	Ant1	2502.789	-66.76	-20	Pass
NVNT	n20	2472	Ant1	2503.789	-63.53	-20	Pass
NVNT	n20	2472	Ant1	2504.789	-64.77	-20	Pass
NVNT	n20	2472	Ant1	2505.789	-63.41	-20	Pass
NVNT	n20	2472	Ant1	2506.789	-64.91	-20	Pass
NVNT	n20	2472	Ant1	2507.789	-65.75	-20	Pass
NVNT	n20	2472	Ant1	2508.789	-66.45	-20	Pass
NVNT	n20	2472	Ant1	2509.789	-66.47	-20	Pass
NVNT	n20	2472	Ant1	2510.789	-66.8	-20	Pass
NVNT	n20	2472	Ant1	2511.789	-66.85	-20	Pass
NVNT	n20	2472	Ant1	2512.789	-66.42	-20	Pass
NVNT	n20	2472	Ant1	2513.789	-65.33	-20	Pass
NVNT	n20	2472	Ant1	2514.789	-66.24	-20	Pass
NVNT	n20	2472	Ant1	2515.789	-64.68	-20	Pass
NVNT	n20	2472	Ant1	2516.789	-64.49	-20	Pass
NVNT	n20	2472	Ant1	2517.789	-67	-20	Pass
NVNT	n20	2472	Ant1	2518.578	-65.45	-20	Pass
NVNT	n40	2422	Ant1	2399.5	-47.4	-10	Pass
NVNT	n40	2422	Ant1	2398.5	-44.15	-10	Pass
NVNT	n40	2422	Ant1	2397.5	-47.14	-10	Pass
NVNT	n40	2422	Ant1	2396.5	-52.78	-10	Pass
NVNT	n40	2422	Ant1	2395.5	-55.22	-10	Pass
NVNT	n40	2422	Ant1	2394.5	-57.32	-10	Pass

BlueAsia

NVNT	n40	2422	Ant1	2393.5	-60.96	-10	Pass
NVNT	n40	2422	Ant1	2392.5	-67.39	-10	Pass
NVNT	n40	2422	Ant1	2391.5	-57.47	-10	Pass
NVNT	n40	2422	Ant1	2390.5	-59.67	-10	Pass
NVNT	n40	2422	Ant1	2389.5	-67.23	-10	Pass
NVNT	n40	2422	Ant1	2388.5	-67.84	-10	Pass
NVNT	n40	2422	Ant1	2387.5	-67.45	-10	Pass
NVNT	n40	2422	Ant1	2386.5	-67.48	-10	Pass
NVNT	n40	2422	Ant1	2385.5	-67.97	-10	Pass
NVNT	n40	2422	Ant1	2384.5	-67.6	-10	Pass
NVNT	n40	2422	Ant1	2383.5	-67.66	-10	Pass
NVNT	n40	2422	Ant1	2382.5	-66.47	-10	Pass
NVNT	n40	2422	Ant1	2381.5	-67.69	-10	Pass
NVNT	n40	2422	Ant1	2380.5	-62.45	-10	Pass
NVNT	n40	2422	Ant1	2379.5	-64.26	-10	Pass
NVNT	n40	2422	Ant1	2378.5	-66.8	-10	Pass
NVNT	n40	2422	Ant1	2377.5	-68.18	-10	Pass
NVNT	n40	2422	Ant1	2376.5	-64.54	-10	Pass
NVNT	n40	2422	Ant1	2375.5	-64.4	-10	Pass
NVNT	n40	2422	Ant1	2374.5	-66.68	-10	Pass
NVNT	n40	2422	Ant1	2373.5	-67.23	-10	Pass
NVNT	n40	2422	Ant1	2372.5	-66.4	-10	Pass
NVNT	n40	2422	Ant1	2371.5	-64.77	-10	Pass
NVNT	n40	2422	Ant1	2370.5	-66.89	-10	Pass
NVNT	n40	2422	Ant1	2369.5	-66.92	-10	Pass
NVNT	n40	2422	Ant1	2368.5	-67.21	-10	Pass
NVNT	n40	2422	Ant1	2367.5	-67.2	-10	Pass
NVNT	n40	2422	Ant1	2366.5	-65.85	-10	Pass
NVNT	n40	2422	Ant1	2365.5	-67.19	-10	Pass
NVNT	n40	2422	Ant1	2364.5	-64.99	-10	Pass
NVNT	n40	2422	Ant1	2364.432	-66.95	-10	Pass
NVNT	n40	2422	Ant1	2363.432	-67.92	-20	Pass
NVNT	n40	2422	Ant1	2362.432	-66.92	-20	Pass
NVNT	n40	2422	Ant1	2361.432	-67.21	-20	Pass
NVNT	n40	2422	Ant1	2360.432	-65.29	-20	Pass

BlueAsia

NVNT	n40	2422	Ant1	2359.432	-67.58	-20	Pass
NVNT	n40	2422	Ant1	2358.432	-67.66	-20	Pass
NVNT	n40	2422	Ant1	2357.432	-67.05	-20	Pass
NVNT	n40	2422	Ant1	2356.432	-65.18	-20	Pass
NVNT	n40	2422	Ant1	2355.432	-67.31	-20	Pass
NVNT	n40	2422	Ant1	2354.432	-63.7	-20	Pass
NVNT	n40	2422	Ant1	2353.432	-66.94	-20	Pass
NVNT	n40	2422	Ant1	2352.432	-64.95	-20	Pass
NVNT	n40	2422	Ant1	2351.432	-67.08	-20	Pass
NVNT	n40	2422	Ant1	2350.432	-66.66	-20	Pass
NVNT	n40	2422	Ant1	2349.432	-67.57	-20	Pass
NVNT	n40	2422	Ant1	2348.432	-67.55	-20	Pass
NVNT	n40	2422	Ant1	2347.432	-68.27	-20	Pass
NVNT	n40	2422	Ant1	2346.432	-67.64	-20	Pass
NVNT	n40	2422	Ant1	2345.432	-67.54	-20	Pass
NVNT	n40	2422	Ant1	2344.432	-67.23	-20	Pass
NVNT	n40	2422	Ant1	2343.432	-64.68	-20	Pass
NVNT	n40	2422	Ant1	2342.432	-65.95	-20	Pass
NVNT	n40	2422	Ant1	2341.432	-67.88	-20	Pass
NVNT	n40	2422	Ant1	2340.432	-67.18	-20	Pass
NVNT	n40	2422	Ant1	2339.432	-64.39	-20	Pass
NVNT	n40	2422	Ant1	2338.432	-67.53	-20	Pass
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NVNT	n40	2422	Ant1	2334.432	-68.19	-20	Pass
NVNT	n40	2422	Ant1	2333.432	-64.67	-20	Pass
NVNT	n40	2422	Ant1	2332.432	-66.23	-20	Pass
NVNT	n40	2422	Ant1	2331.432	-67.92	-20	Pass
NVNT	n40	2422	Ant1	2330.432	-67.43	-20	Pass
NVNT	n40	2422	Ant1	2329.432	-68.14	-20	Pass
NVNT	n40	2422	Ant1	2328.432	-65.3	-20	Pass
NVNT	n40	2422	Ant1	2328.364	-67.86	-20	Pass
NVNT	n40	2462	Ant1	2484	-48.14	-10	Pass
NVNT	n40	2462	Ant1	2485	-45.1	-10	Pass

BlueAsia

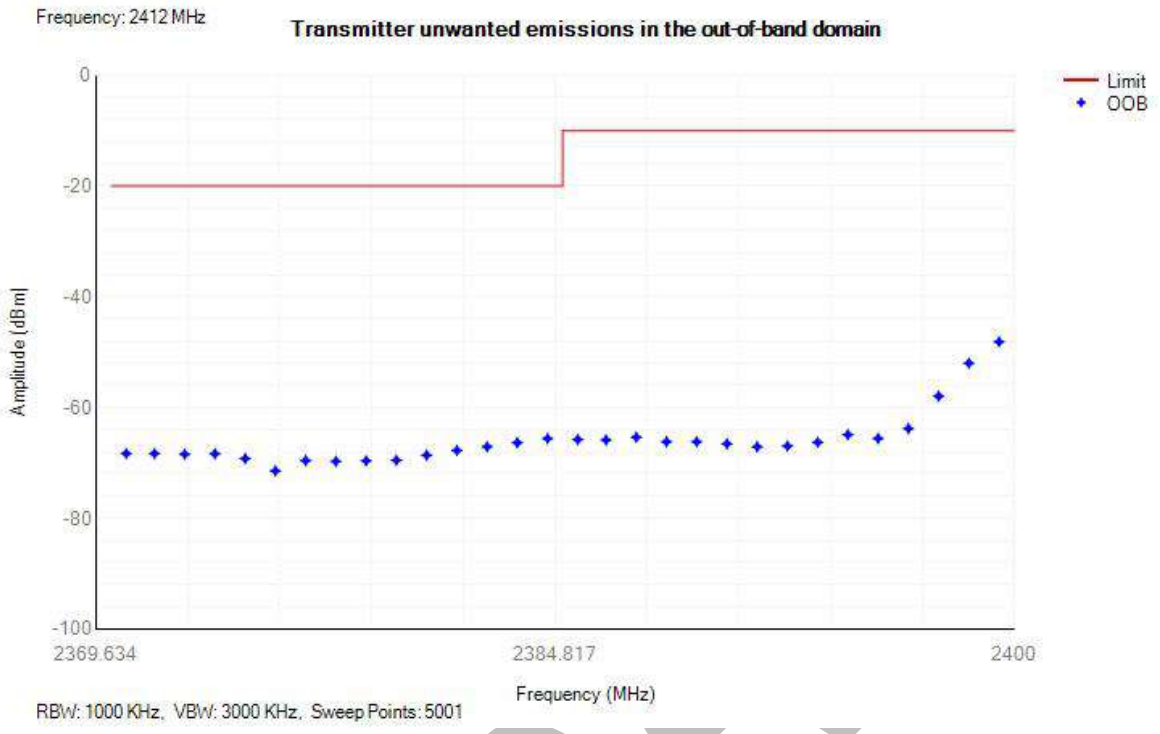
NVNT	n40	2462	Ant1	2486	-44.36	-10	Pass
NVNT	n40	2462	Ant1	2487	-50.83	-10	Pass
NVNT	n40	2462	Ant1	2488	-67.07	-10	Pass
NVNT	n40	2462	Ant1	2489	-66.88	-10	Pass
NVNT	n40	2462	Ant1	2490	-54.73	-10	Pass
NVNT	n40	2462	Ant1	2491	-66.91	-10	Pass
NVNT	n40	2462	Ant1	2492	-58.6	-10	Pass
NVNT	n40	2462	Ant1	2493	-67.15	-10	Pass
NVNT	n40	2462	Ant1	2494	-66.57	-10	Pass
NVNT	n40	2462	Ant1	2495	-67.04	-10	Pass
NVNT	n40	2462	Ant1	2496	-67.39	-10	Pass
NVNT	n40	2462	Ant1	2497	-67.24	-10	Pass
NVNT	n40	2462	Ant1	2498	-59.02	-10	Pass
NVNT	n40	2462	Ant1	2499	-67	-10	Pass
NVNT	n40	2462	Ant1	2500	-66.82	-10	Pass
NVNT	n40	2462	Ant1	2501	-61.52	-10	Pass
NVNT	n40	2462	Ant1	2502	-59.69	-10	Pass
NVNT	n40	2462	Ant1	2503	-62.28	-10	Pass
NVNT	n40	2462	Ant1	2504	-66.3	-10	Pass
NVNT	n40	2462	Ant1	2505	-61.62	-10	Pass
NVNT	n40	2462	Ant1	2506	-66.83	-10	Pass
NVNT	n40	2462	Ant1	2507	-62.89	-10	Pass
NVNT	n40	2462	Ant1	2508	-67.19	-10	Pass
NVNT	n40	2462	Ant1	2509	-67.12	-10	Pass
NVNT	n40	2462	Ant1	2510	-66.75	-10	Pass
NVNT	n40	2462	Ant1	2511	-63.25	-10	Pass
NVNT	n40	2462	Ant1	2512	-66.7	-10	Pass
NVNT	n40	2462	Ant1	2513	-63.55	-10	Pass
NVNT	n40	2462	Ant1	2514	-67.12	-10	Pass
NVNT	n40	2462	Ant1	2515	-63.3	-10	Pass
NVNT	n40	2462	Ant1	2516	-65.44	-10	Pass
NVNT	n40	2462	Ant1	2517	-63.83	-10	Pass
NVNT	n40	2462	Ant1	2518	-66.94	-10	Pass
NVNT	n40	2462	Ant1	2518.975	-67.38	-10	Pass
NVNT	n40	2462	Ant1	2519.975	-67.06	-20	Pass

BlueAsia

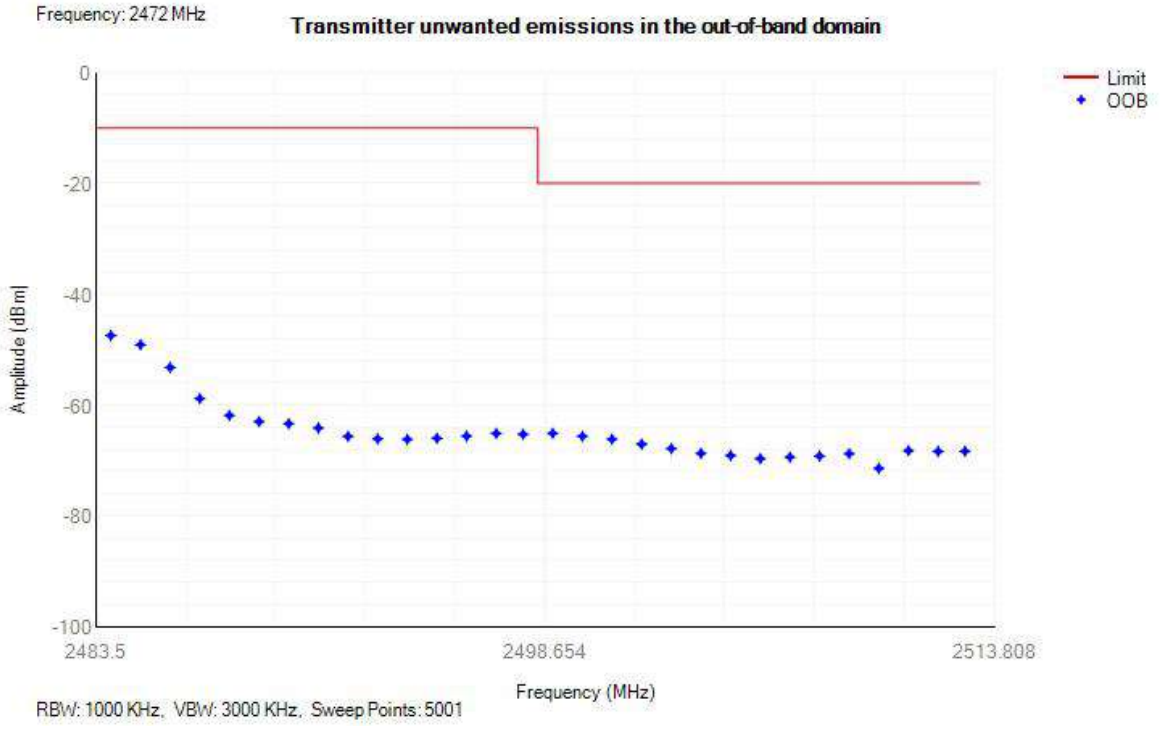
NVNT	n40	2462	Ant1	2520.975	-67.2	-20	Pass
NVNT	n40	2462	Ant1	2521.975	-66.06	-20	Pass
NVNT	n40	2462	Ant1	2522.975	-67	-20	Pass
NVNT	n40	2462	Ant1	2523.975	-65.9	-20	Pass
NVNT	n40	2462	Ant1	2524.975	-67.62	-20	Pass
NVNT	n40	2462	Ant1	2525.975	-66.7	-20	Pass
NVNT	n40	2462	Ant1	2526.975	-66.88	-20	Pass
NVNT	n40	2462	Ant1	2527.975	-66.65	-20	Pass
NVNT	n40	2462	Ant1	2528.975	-65.74	-20	Pass
NVNT	n40	2462	Ant1	2529.975	-66.42	-20	Pass
NVNT	n40	2462	Ant1	2530.975	-65.01	-20	Pass
NVNT	n40	2462	Ant1	2531.975	-65.49	-20	Pass
NVNT	n40	2462	Ant1	2532.975	-67.26	-20	Pass
NVNT	n40	2462	Ant1	2533.975	-66.39	-20	Pass
NVNT	n40	2462	Ant1	2534.975	-67.46	-20	Pass
NVNT	n40	2462	Ant1	2535.975	-66.82	-20	Pass
NVNT	n40	2462	Ant1	2536.975	-66.1	-20	Pass
NVNT	n40	2462	Ant1	2537.975	-67.57	-20	Pass
NVNT	n40	2462	Ant1	2538.975	-66.89	-20	Pass
NVNT	n40	2462	Ant1	2539.975	-67.32	-20	Pass
NVNT	n40	2462	Ant1	2540.975	-67.06	-20	Pass
NVNT	n40	2462	Ant1	2541.975	-66.56	-20	Pass
NVNT	n40	2462	Ant1	2542.975	-66.87	-20	Pass
NVNT	n40	2462	Ant1	2543.975	-66.23	-20	Pass
NVNT	n40	2462	Ant1	2544.975	-66.07	-20	Pass
NVNT	n40	2462	Ant1	2545.975	-66.54	-20	Pass
NVNT	n40	2462	Ant1	2546.975	-67.58	-20	Pass
NVNT	n40	2462	Ant1	2547.975	-66.91	-20	Pass
NVNT	n40	2462	Ant1	2548.975	-65.89	-20	Pass
NVNT	n40	2462	Ant1	2549.975	-67.26	-20	Pass
NVNT	n40	2462	Ant1	2550.975	-67.14	-20	Pass
NVNT	n40	2462	Ant1	2551.975	-67.02	-20	Pass
NVNT	n40	2462	Ant1	2552.975	-66.09	-20	Pass
NVNT	n40	2462	Ant1	2553.975	-66.23	-20	Pass
NVNT	n40	2462	Ant1	2554.95	-67.7	-20	Pass

BlueAsia

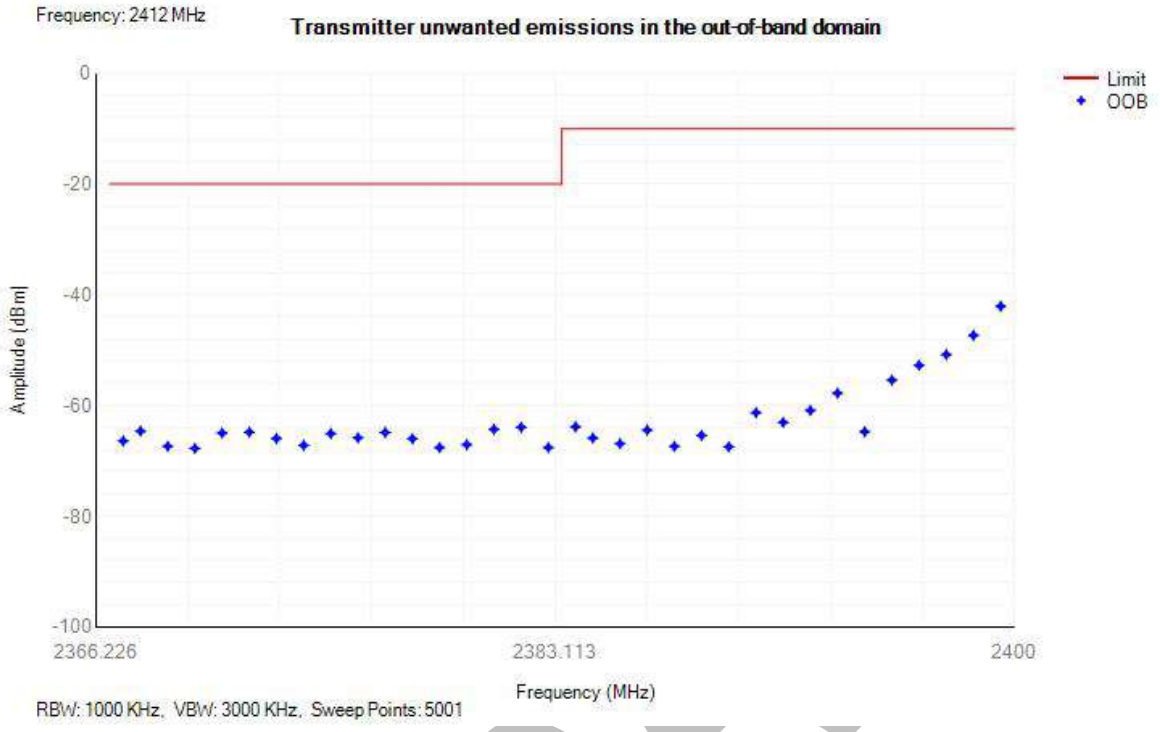
Tx. Emissions OOB NVNT b 2412MHz Ant1



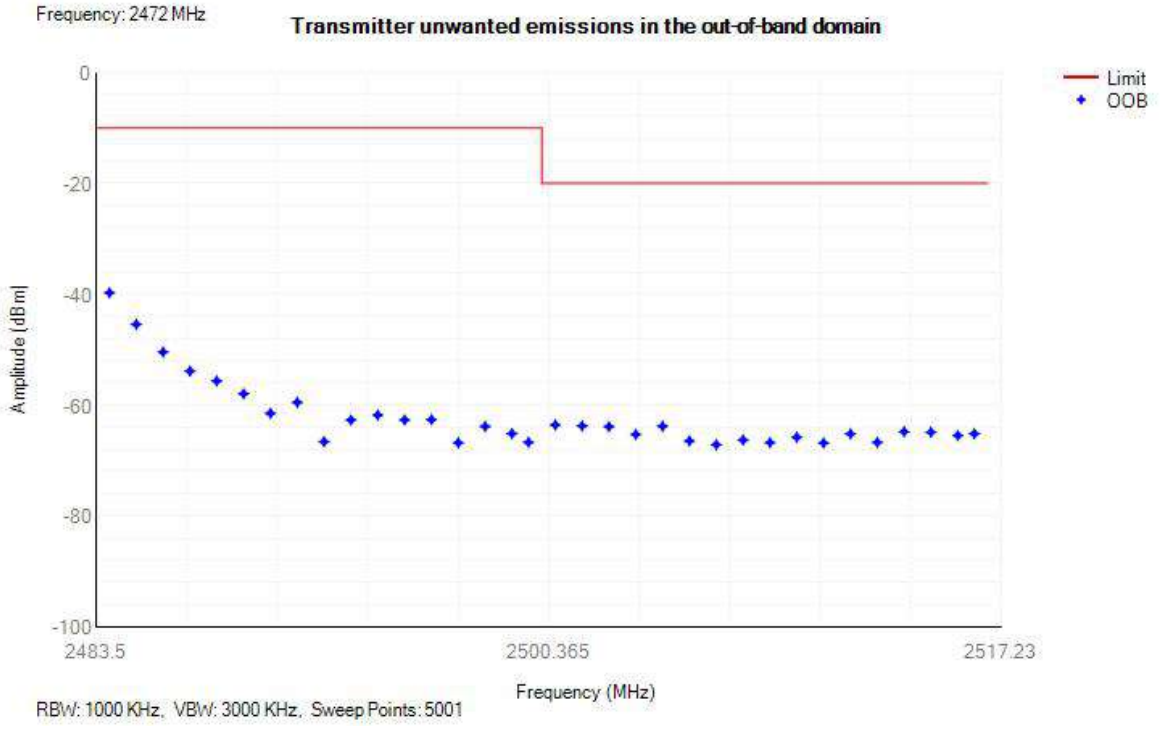
Tx. Emissions OOB NVNT b 2472MHz Ant1



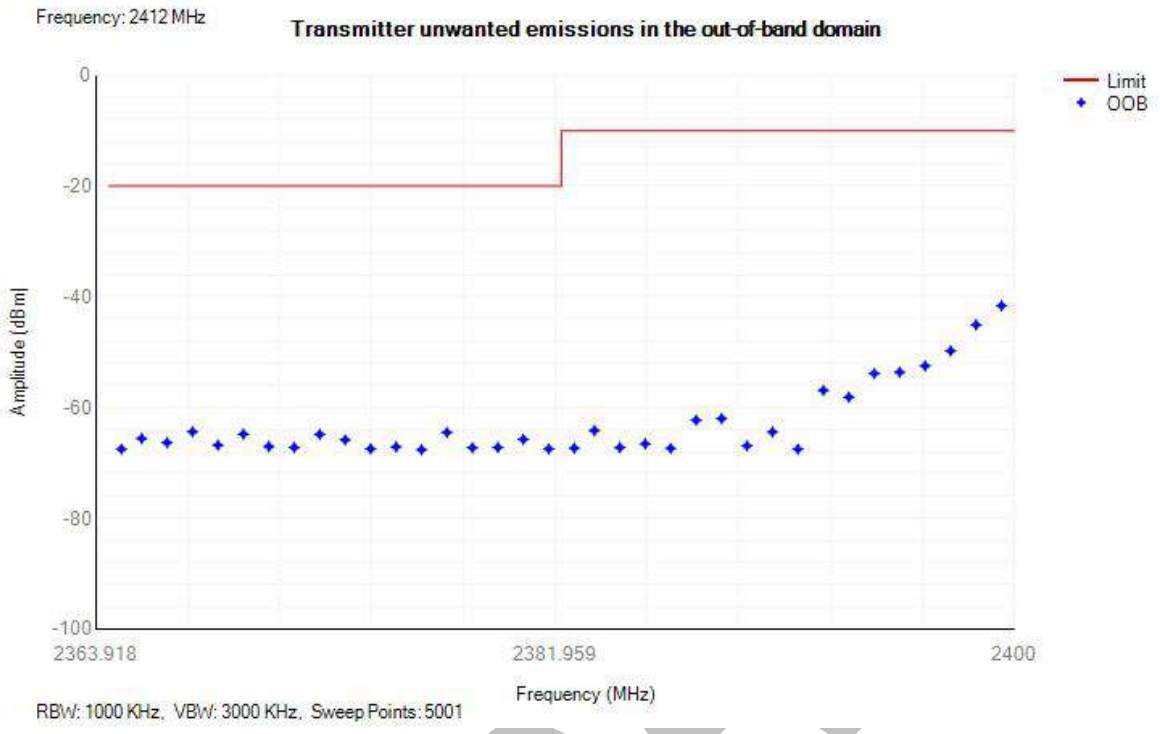
Tx. Emissions OOB NVHT g 2412MHz Ant1



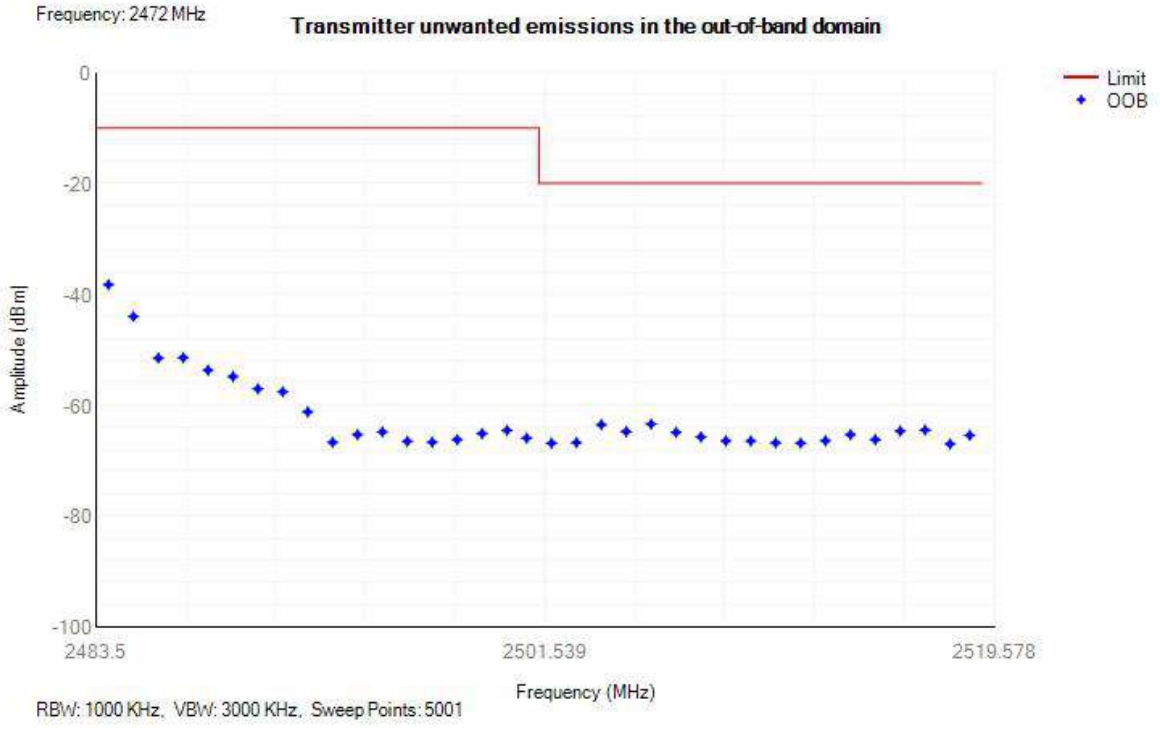
Tx. Emissions OOB NVNT g 2472MHz Ant1



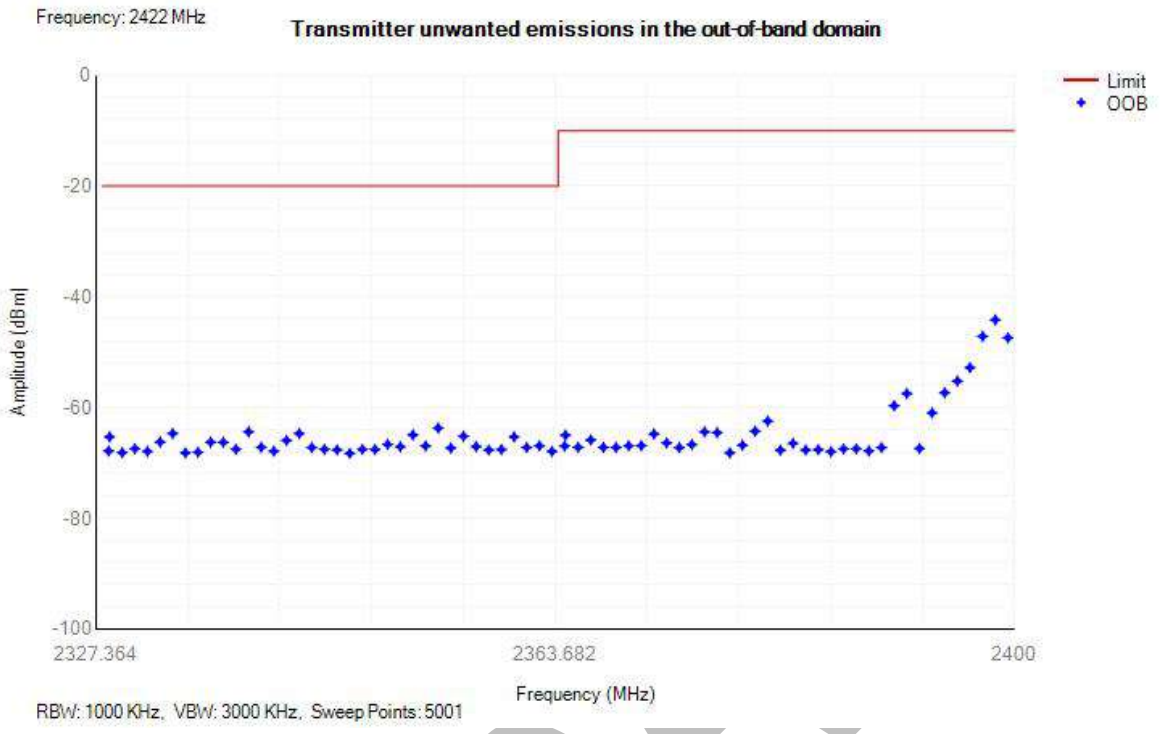
Tx. Emissions OOB NVNT n20 2412MHz Ant1



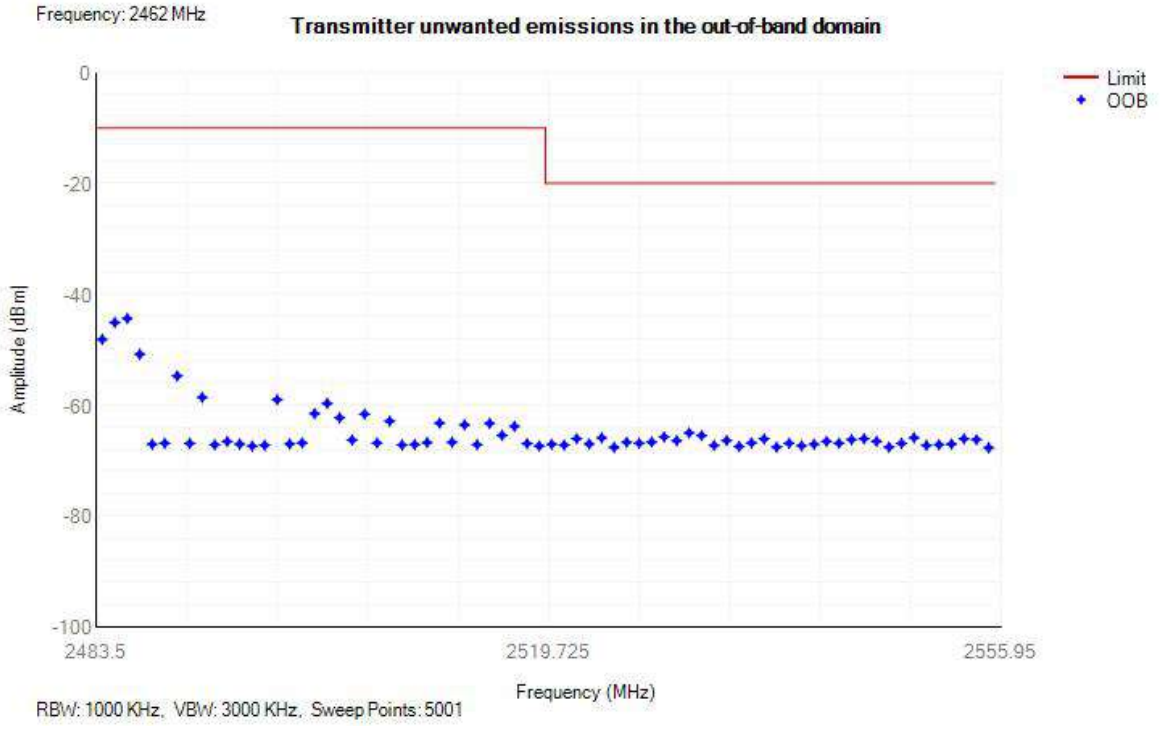
Tx. Emissions OOB NVNT n20 2472MHz Ant1



Tx. Emissions OOB NVNT n40 2422MHz Ant1



Tx. Emissions OOB NVNT n40 2462MHz Ant1



7.1.5 Receiver Blocking

Condition	Mode	Frequency (MHz)	Wanted Power (dBm)	Blocking Frequency (MHz)	Blocking Power (dBm)	PER (%)	Limit (%)	Verdict
NVNT	b	2412	-54.26	2380	-31	0.3	10	Pass
NVNT	b	2412	-54.26	2300	-31	0.4	10	Pass
NVNT	b	2472	-54.27	2504	-31	0	10	Pass
NVNT	b	2472	-54.27	2584	-31	0	10	Pass
NVNT	g	2412	-53.79	2380	-31	0.2	10	Pass
NVNT	g	2412	-53.79	2300	-31	0.1	10	Pass
NVNT	g	2472	-53.79	2504	-31	0.4	10	Pass
NVNT	g	2472	-53.79	2584	-31	0.2	10	Pass
NVNT	n20	2412	-53.50	2380	-31	0.3	10	Pass
NVNT	n20	2412	-53.50	2300	-31	0.2	10	Pass
NVNT	n20	2472	-53.50	2504	-31	0.3	10	Pass
NVNT	n20	2472	-53.50	2584	-31	0	10	Pass

Remark:

Blocking signal power = -34dBm+ Antenna gain;

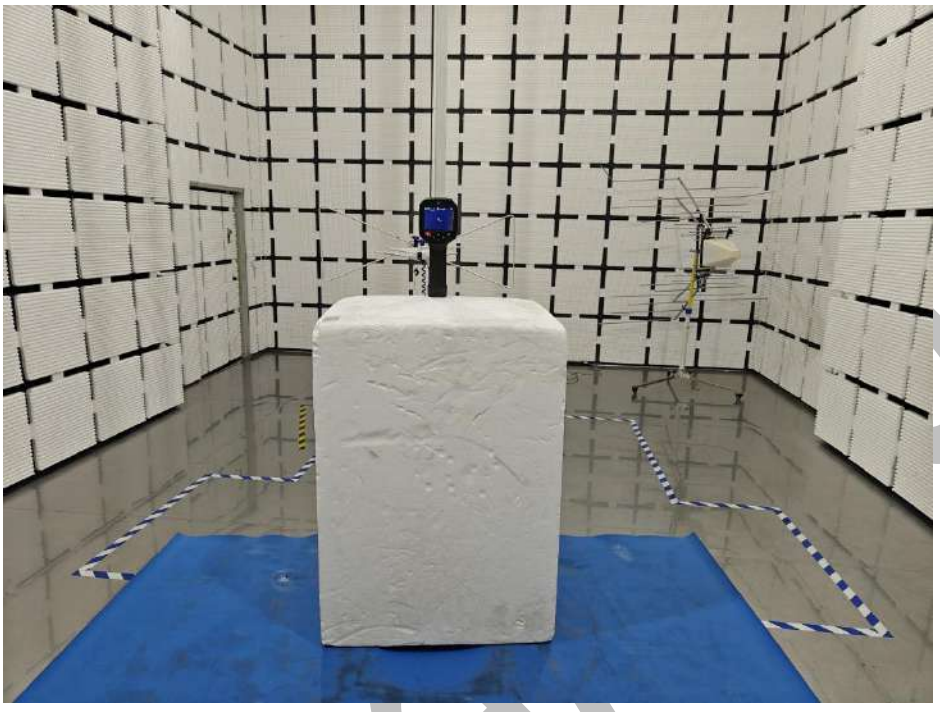
Category 2=Wanted signal mean power= (-139 dBm+10 × $\log_{10}$(OCBW)+10dB)+ Antenna gain

Antenna gain= 3dBi

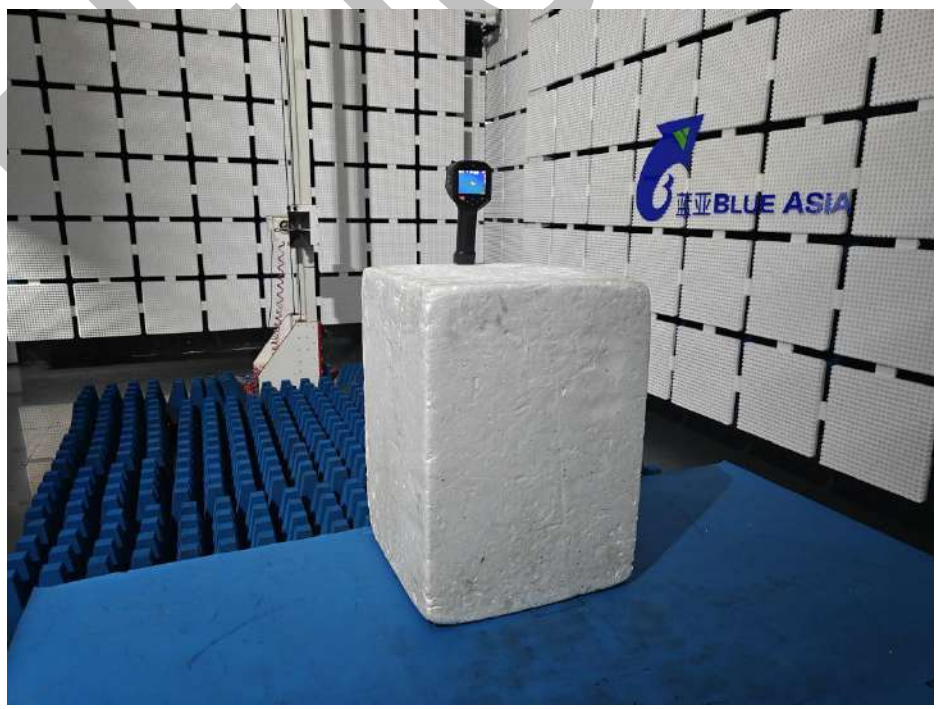
BlueAsia

Appendix B: photographs of test setup

Radiated Emissions (30MHz-1GHz)



Radiated Emissions (above 1GHz)



Appendix C: photographs of EUT

View of Product-1

View of Product-2

View of Product-3

View of Product-4

View of Product-5

View of Product-6

View of Product-7

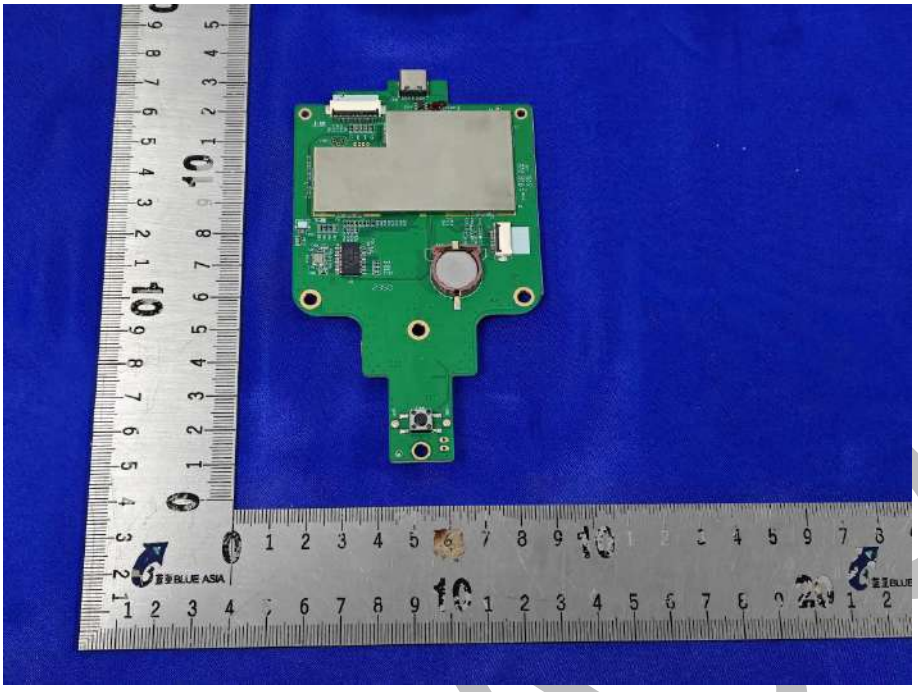
View of Product-8

View of Product-9

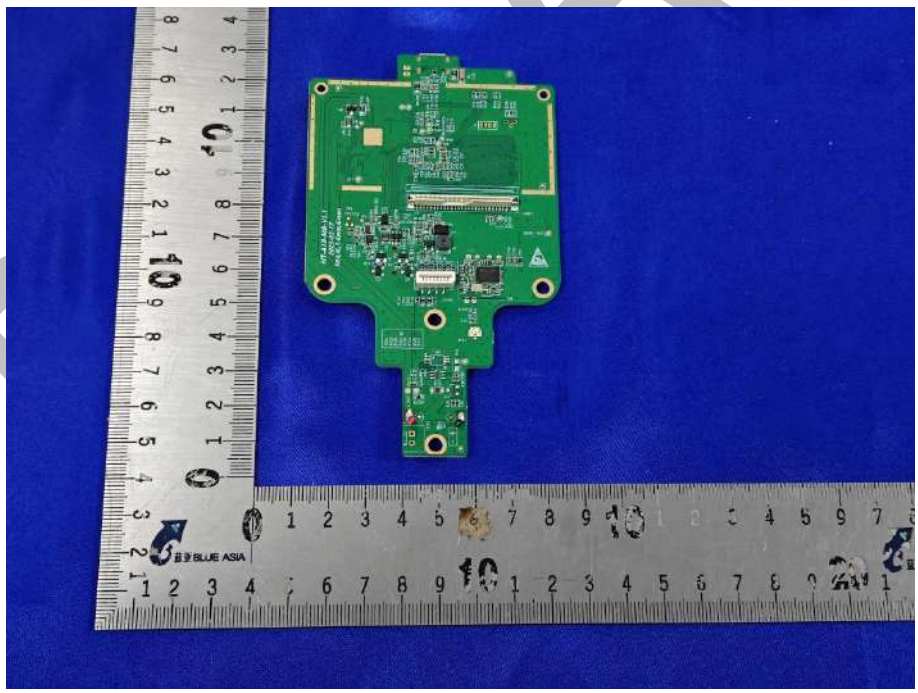
View of Product-10

View of Product-11

View of Product-12



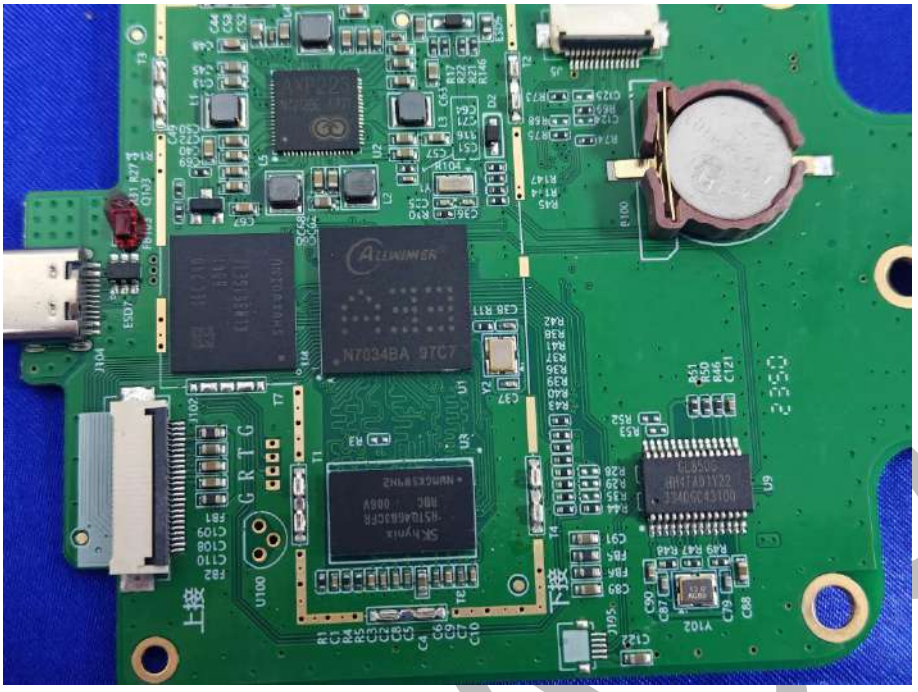
View of Product-13



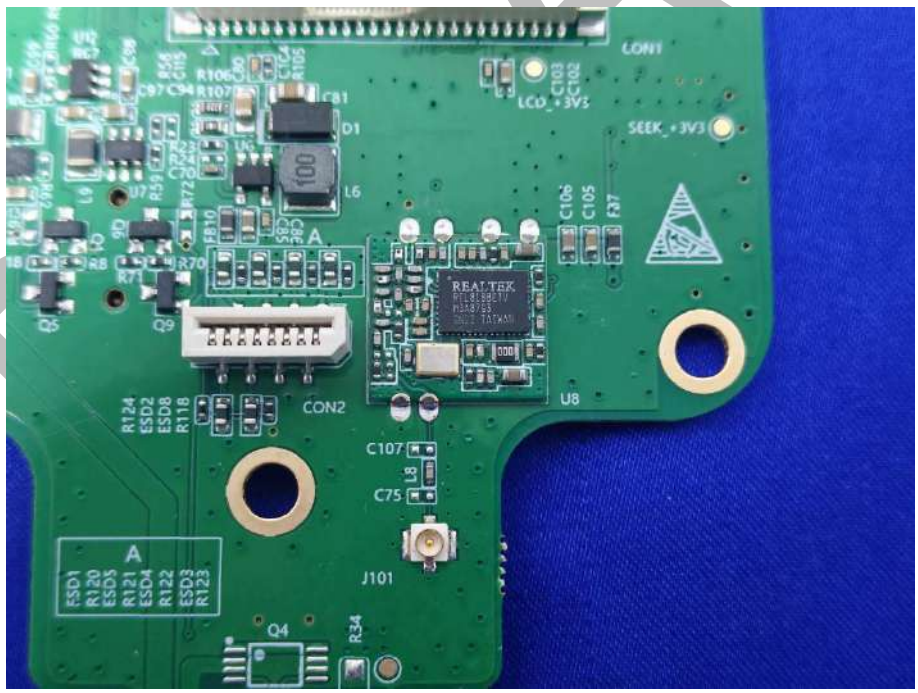
View of Product-14

View of Product-15

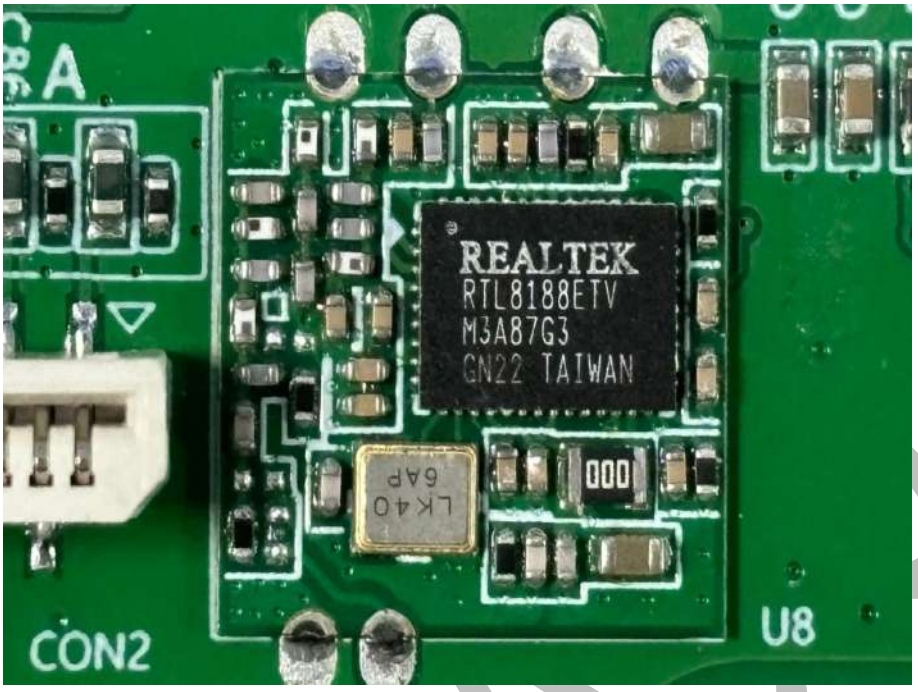
View of Product-16



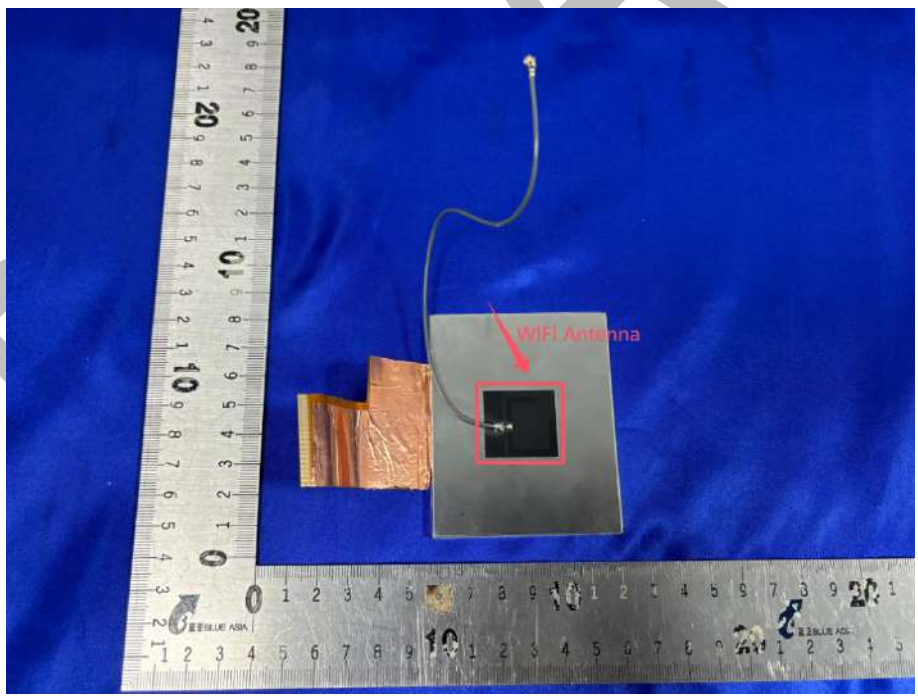
View of Product-17



View of Product-18



View of Product-19



View of Product-20

----END OF REPORT----

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