



FCC Part 15C Test Report

FCC ID:XMR2026FME163R

Report Number..... : ZKT-260805L0256E

Date of Test..... Jun. 08, 2026 – Jul. 08, 2026

Date of issue..... Jul. 08, 2026

Total number of pages 111

Test Result..... PASS

Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.

Address 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Quetcel Wireless Solutions Company Limited

Address No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai, 201601, China

Manufacturer's name : Quetcel Wireless Solutions Company Limited

Address No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai, 201601, China

Test specification:

Standard FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10-2020+Cor 1-2023

Test procedure /

Non-standard test method N/A

Test Report Form No. : TRF-EL-112_V0

Test Report Form(s) Originator : ZKT Testing

Master TRF : Dated: 2021-04-22

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : WIFI module

Trademark N/A

Model/Type reference..... FME163R

Ratings..... Input: DC 3.3V



Testing procedure and testing location:

Testing Laboratory: Shenzhen ZKT Technology Co., Ltd.

Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature).....: Jim Liu

Reviewer (name + signature): Jackson Fang

Approved (name + signature).....: Lake Xie





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1. VERSION

Report No.	Version	Description	Approved
ZKT-260805L0256E	Rev.01	Initial issue of report	Jul. 08, 2026



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

	FCC Part15 (15.247) , Subpart C				
	Standard Section	Test Item		Result	Remark
	FCC part 15.203/15.247 (c)	Antenna requirement		PASS	
	FCC part 15.207	AC Power Line Conducted Emission		PASS	
	FCC part 15.247 (b)(3)	Conducted Peak Output Power		PASS	
	FCC part 15.247 (a)(2)	6dB Occupied Bandwidth		PASS	
	FCC part 15.247 (e)	Power Spectral Density		PASS	
	FCC part 15.247(d)	Band Edge		PASS	
	FCC part 15.205/15.209	Spurious Emission		PASS	
	ANSI C63.10-2020+Cor 1-2023	Duty cycle		PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.
Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street,
Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491
Designation Number: CN1431
IC Registered No.: 27033
CAB identifier: CN0110

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	3m chamber Radiated spurious Emission (9KHz-30MHz)	U=4.5dB
2	3m chamber Radiated spurious emission (30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission (1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission (6GHz-40GHz)	U=5.0dB
5	Conducted Disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF Power Conducted	U=1.86dB
8	RF Conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8MHz
10	RF Power Spectral Density	U=1.75dB
11	Humidity Uncertainty	U=5.3%
12	Temperature Uncertainty	U=0.59°C
13	Duty Cycle	U=1.3dB



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	WIFI module
Model No.:	FME163R
Model Different.:	N/A
Serial No.:	N/A
Hardware Version:	V1.1
Software Version:	FME163RABMD_RK3568_L4.19.232_LINUX_R01A01_FactoryV02
Sample(s) Status:	Engineer sample
Channel numbers:	802.11b/g/n20:11 CH 802.11n40: 7 CH
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum(DSSS) 802.11g/n: Orthogonal Frequency Division Multiplexing(OFDM)
Data Rate	802.11b: 1/2/5.5/11Mbit/s 802.11g: 6/9/12/24/18/36/48/54Mbit/s 802.11n20/n40:MCS0-MCS7
Antenna Type:	Rod Antenna
Antenna gain:	3.02dBi Max
Power supply:	Input: DC 3.3V

Note1: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Note2: The EUT's all information provided by client.



Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)	
	802.11b/g/n20	802.11n40
Lowest channel	2412MHz	2422MHz
Middle channel	2437MHz	2437MHz
Highest channel	2462MHz	2452MHz

3.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data. For battery operated equipment, the equipment tests shall be performed using a new battery.	

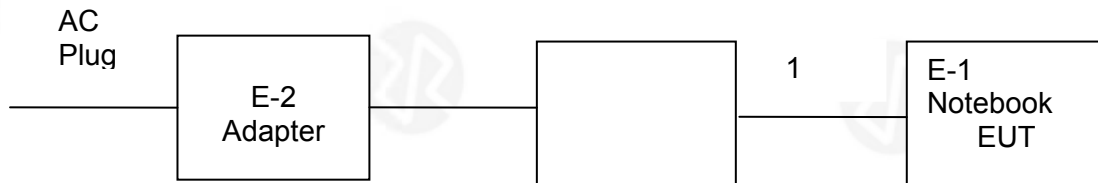
We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:				
Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.				
Mode	802.11b	802.11g	802.11n20/n40	
Data rate	1Mbps	6Mbps	MCS0(HT0)	

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
WIFI(2.4G)	2.4G WIFI	802.11b	3.02	14	CMD
		802.11g		13	
		802.11n(HT20)		13	
		802.11n(HT40)		13	

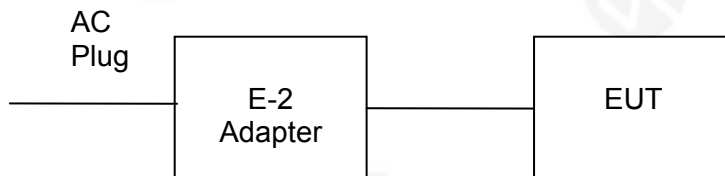


3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

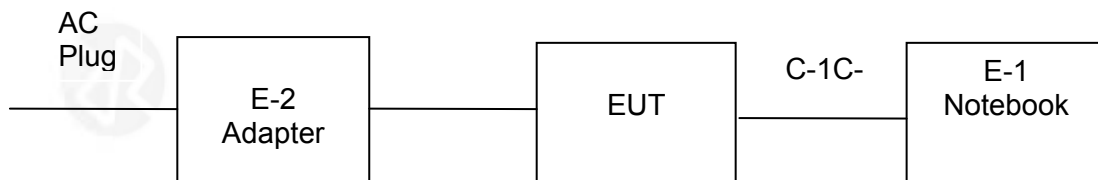
Radiated Spurious Emission Test



AC Conducted Emission Test



RF Conducted Test





3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Notebook	HP	ST-2	N/A	Auxiliary
E-2	Adapter	N/A	KA4801A-120400 0EU	N/A	Auxiliary
C-1	USB Cable	ZTC	NB-A515A	N/A	Auxiliary
	Test bed	Quectel	SG368Z-WF-EVB V1.1	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	Shielded	NO	100cm	N/A

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.
- (3) EUT is tested with new battery.



3.5EQUIPMENTS LIST FOR ALL TEST ITEMS

Conduction Emissions Test

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	N/A	Sep. 23, 2025	Sep. 22, 2026
2	LISN	CYBERTEK	EM5040A	E1850400149	N/A	Sep. 19, 2025	Sep. 18, 2026
3	Test Cable	N/A	C-01	N/A	N/A	May. 22, 2026	May. 21, 2027
4	EMI Test Receiver	R&S	ESCI3	101393	4.42 SP3	Oct. 24, 2025	Oct. 23, 2026
5	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\

Radiation Emissions&Radiation Spurious Emissions Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 20, 2025	Sep. 19, 2026
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 20, 2025	Sep. 19, 2026
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	100969	4.32	Oct. 24, 2025	Oct. 23, 2026
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	00877	N/A	Sep. 20, 2025	Sep. 19, 2026
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Sep. 20, 2025	Sep. 19, 2026
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Sep. 30, 2025	Sep. 29, 2026
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Sep. 20, 2025	Sep. 19, 2026
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	60747	N/A	Sep. 19, 2025	Sep. 18, 2026
9	Amplifier (1GHz-26.5GHz)	HuiPu	8449B	3008A00315	N/A	Sep. 19, 2025	Sep. 18, 2026
10	Amplifier (500MHz-40GHz)	QuanJuDa	DLE-161	097	N/A	Oct. 24, 2025	Oct. 23, 2026
11	Test Cable	N/A	R-01	N/A	N/A	May. 25, 2026	May. 24, 2027
12	Test Cable	N/A	R-02	N/A	N/A	May. 25, 2026	May. 24, 2027
13	Test Cable	N/A	R-03	N/A	N/A	May. 25, 2026	May. 24, 2027
14	D.C. Power Supply	LongWei	TPR-6405D	N/A	N/A	\	\
15	EMC Software	Frad	EZ-EMC	Ver.EMC-CO N 3A1.1	N/A	\	\
16	Turntable	MF	MF-7802BS	N/A	N/A	\	\
17	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\



RF Conducted Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 20, 2025	Sep. 19, 2026
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 20, 2025	Sep. 19, 2026
3	Test Cable	N/A	RF-01	N/A	N/A	May. 25, 2026	May. 24, 2027
4	Test Cable	N/A	RF-02	N/A	N/A	May. 25, 2026	May. 24, 2027
5	Test Cable	N/A	RF-03	N/A	N/A	May. 25, 2026	May. 24, 2027
6	ESG Signal Generator	Agilent	E4421B	N/A	B.03.84	Sep. 19, 2025	Sep. 18, 2026
7	Signal Generator	Agilent	N5182A	N/A	A.01.87	Sep. 20, 2025	Sep. 19, 2026
8	Magnetic Field Probe Tester	Narda	ELT-400	0-0344/M-1752	N/A	Sep. 25, 2025	Sep. 24, 2026
9	SHIELD BOX	TESCOM	TC-5970C	5970C015553	N/A	Dec. 18, 2025	Dec. 17, 2026
10	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Sep. 28, 2025	Sep. 27, 2026
11	MWRF Power Meter Test system	MW	MW100-RF CB	N/A	N/A	Sep. 19, 2025	Sep. 18, 2026
12	D.C. Power Supply	LongWei	TPR-6405 D	N/A	N/A	\	\
13	RF Software	MW	MTS8310	V2.0.0.0	N/A	\	\



4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10-2020+Cor 1-2023
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

4.1.2 TEST PROCEDURE

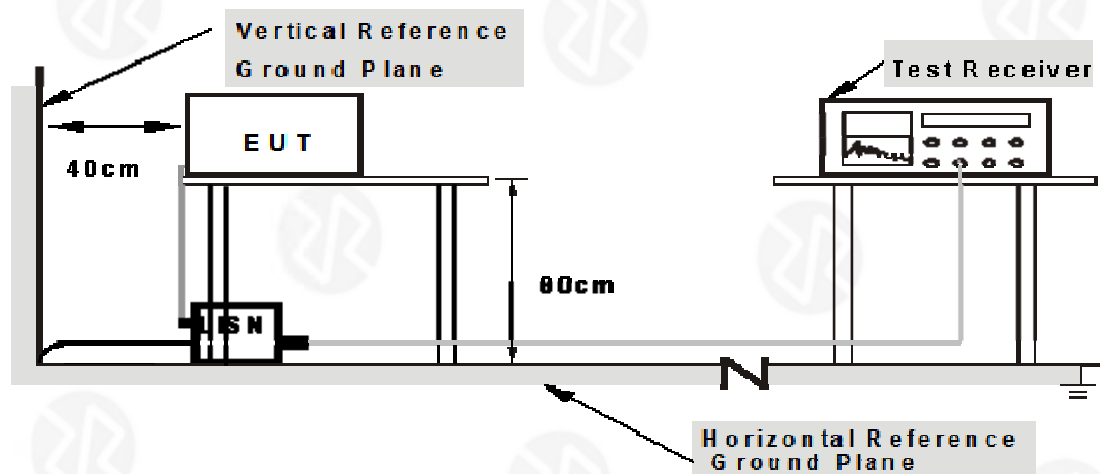
- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation



4.1.4 TEST SETUP



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

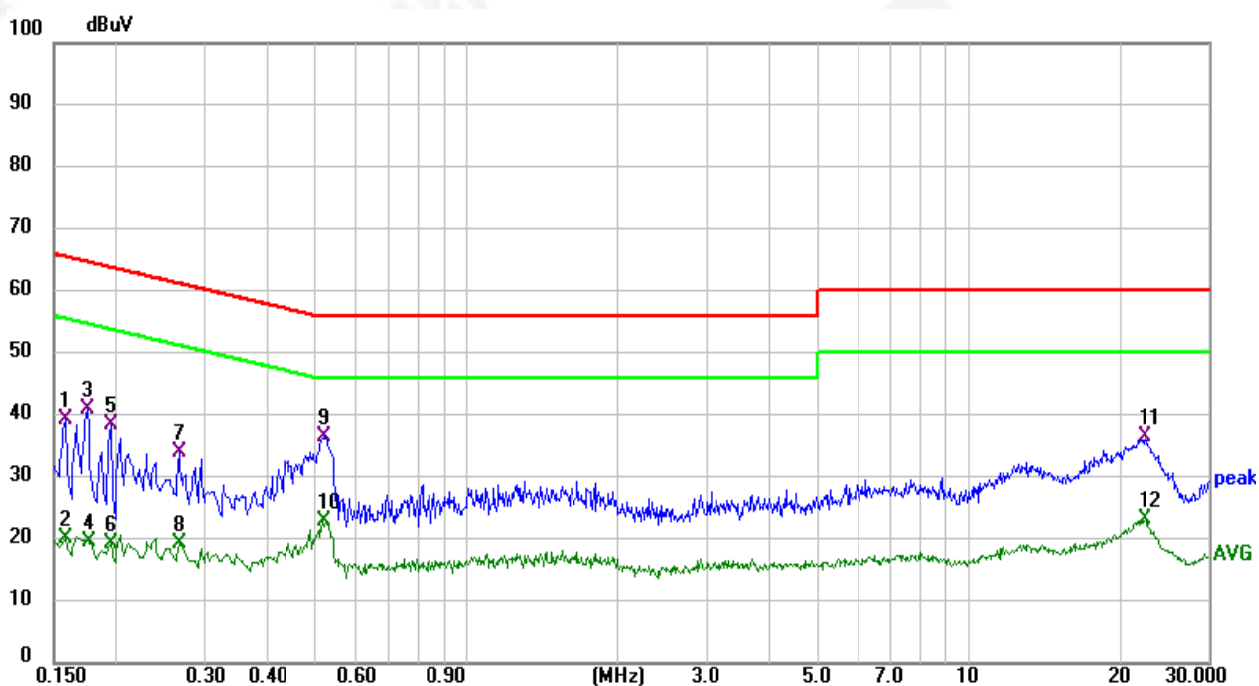
4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



4.1.6 TEST RESULT

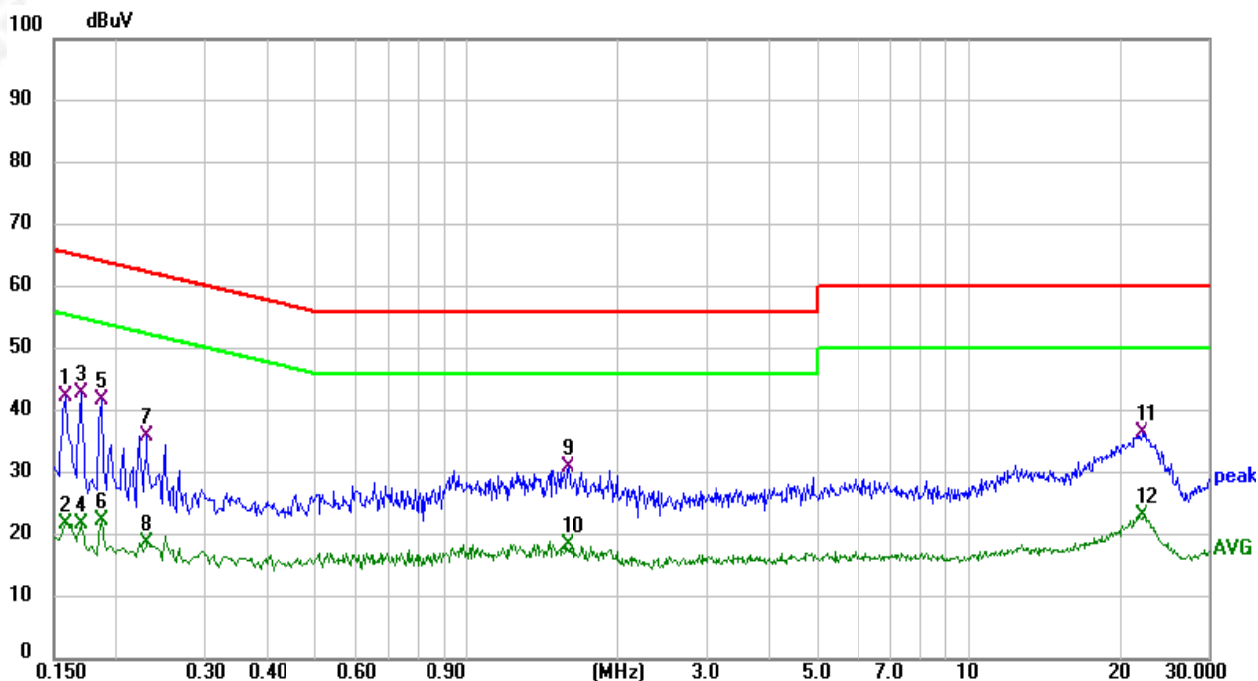
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode:	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Over (dB)	Detector	Pass/Fail
1	0.1580	20.06	19.37	39.43	65.57	-26.14	QP	Pass
2	0.1580	0.72	19.37	20.09	55.57	-35.48	AVG	Pass
3	0.1740	21.46	19.38	40.84	64.77	-23.93	QP	Pass
4	0.1750	0.27	19.38	19.65	54.72	-35.07	AVG	Pass
5	0.1940	19.10	19.39	38.49	63.86	-25.37	QP	Pass
6	0.1940	-0.20	19.39	19.19	53.86	-34.67	AVG	Pass
7 *	0.2660	14.68	19.37	34.05	61.24	-27.19	QP	Pass
8	0.2660	0.06	19.37	19.43	51.24	-31.81	AVG	Pass
9	0.5181	17.09	19.40	36.49	56.00	-19.51	QP	Pass
10	0.5181	3.50	19.40	22.90	46.00	-23.10	AVG	Pass
11	22.3620	16.73	19.73	36.46	60.00	-23.54	QP	Pass
12	22.3620	3.58	19.73	23.31	50.00	-26.69	AVG	Pass



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode:	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Over (dB)	Detector	Pass/Fail
1	0.1580	22.97	19.40	42.37	65.57	-23.20	QP	Pass
2	0.1580	2.53	19.40	21.93	55.57	-33.64	AVG	Pass
3	0.1700	23.54	19.39	42.93	64.96	-22.03	QP	Pass
4	0.1700	2.46	19.39	21.85	54.96	-33.11	AVG	Pass
5	0.1860	22.54	19.38	41.92	64.21	-22.29	QP	Pass
6	0.1860	3.11	19.38	22.49	54.21	-31.72	AVG	Pass
7	0.2300	16.65	19.38	36.03	62.45	-26.42	QP	Pass
8 *	0.2300	-0.75	19.38	18.63	52.45	-33.82	AVG	Pass
9	1.5780	11.48	19.38	30.86	56.00	-25.14	QP	Pass
10	1.5780	-0.84	19.38	18.54	46.00	-27.46	AVG	Pass
11	22.1620	16.74	19.83	36.57	60.00	-23.43	QP	Pass
12	22.1620	3.32	19.83	23.15	50.00	-26.85	AVG	Pass

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor= Lisen factor+ Cable loss factor + limiter factor.
5. Margin= Measurement Level-Limit.
6. The test data shows only the worst caseTX 802.11n20 - 2412MHz.



4.2 RADIATED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10-2020+Cor 1-2023				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

4.2.1 RADIATED EMISSION LIMITS

Frequencies (MHz)	Field Strength (micровolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

4.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.



- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height varies from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise, the emissions that did not have 10dBmargin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter (Above 18GHz the distance is 1 meter and table is 1.5 meter).
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel

Note:

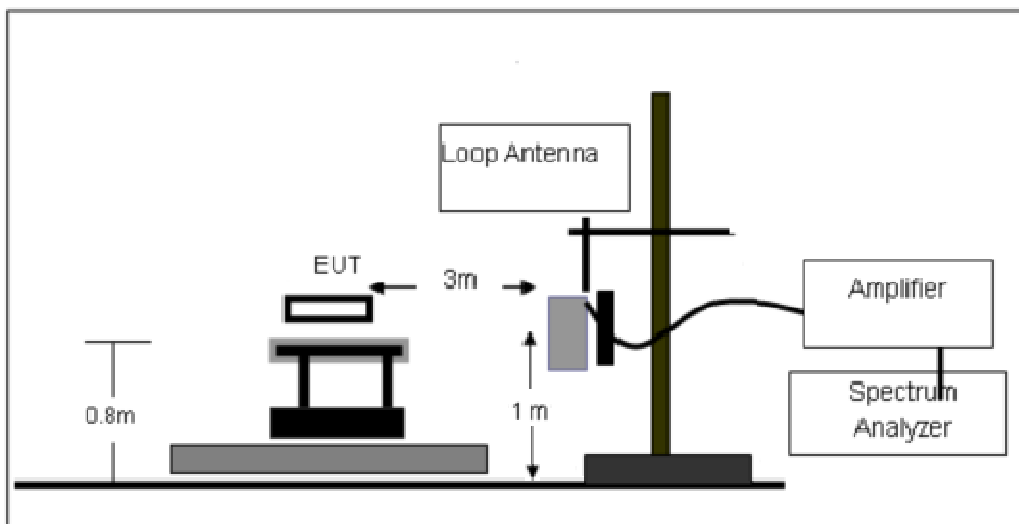
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst-case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

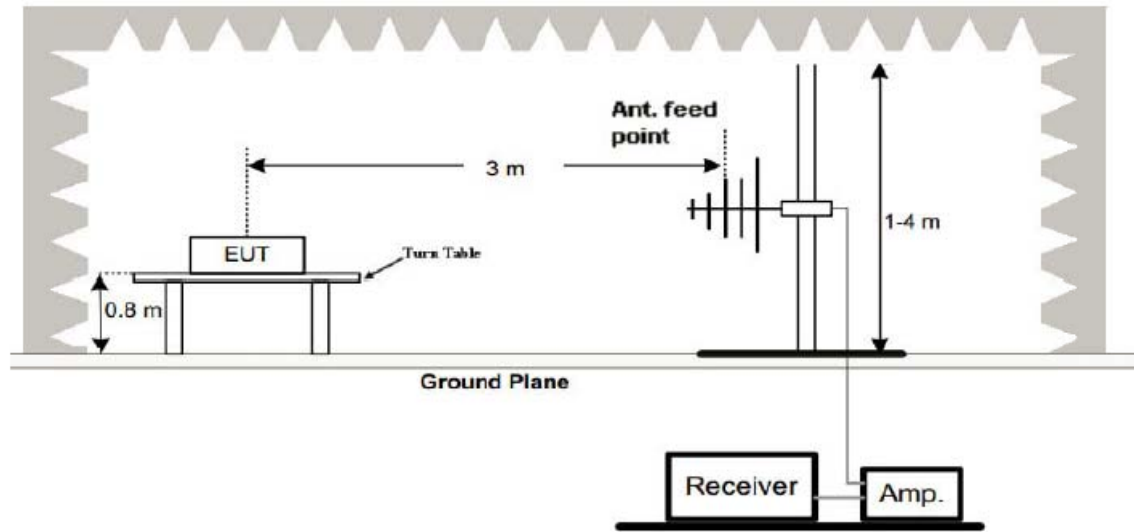
4.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

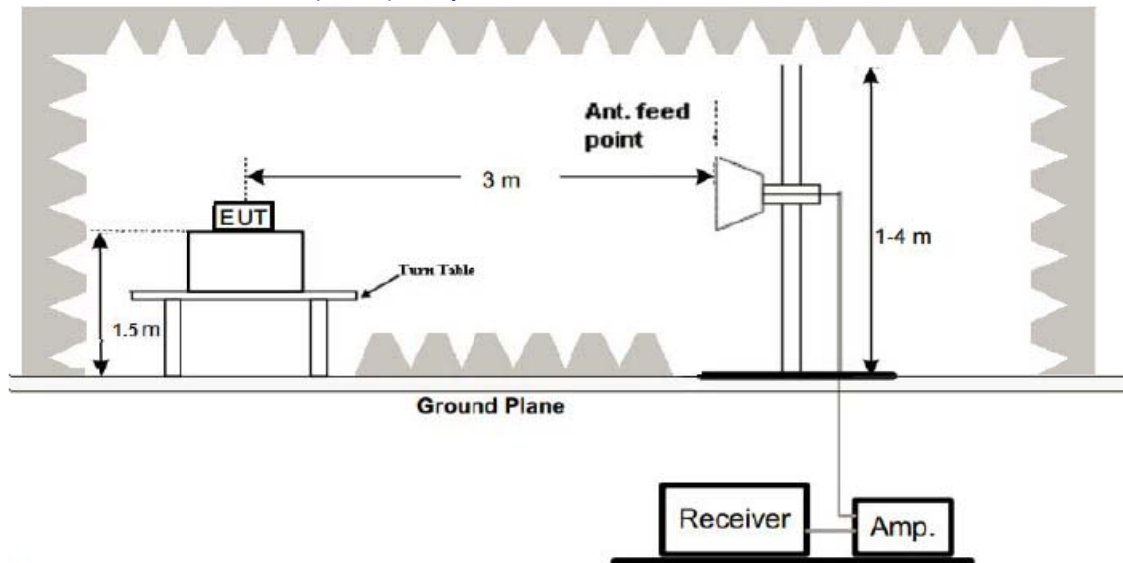




(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.2.5 EUT OPERATING CONDITIONS

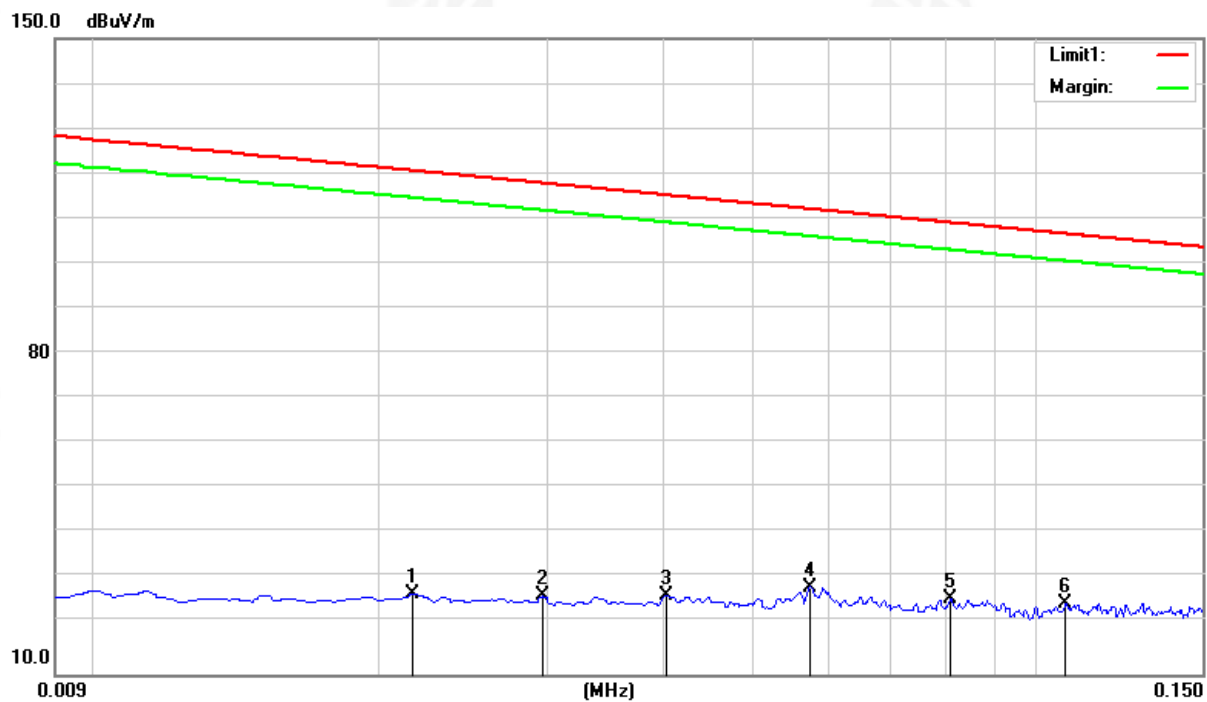
The EUT tested system was configured as the statements of 4.2.4 Unless otherwise a special operating condition is specified in the following during the testing.



4.2.6 TEST RESULTS

Between 9kHz – 150kHz

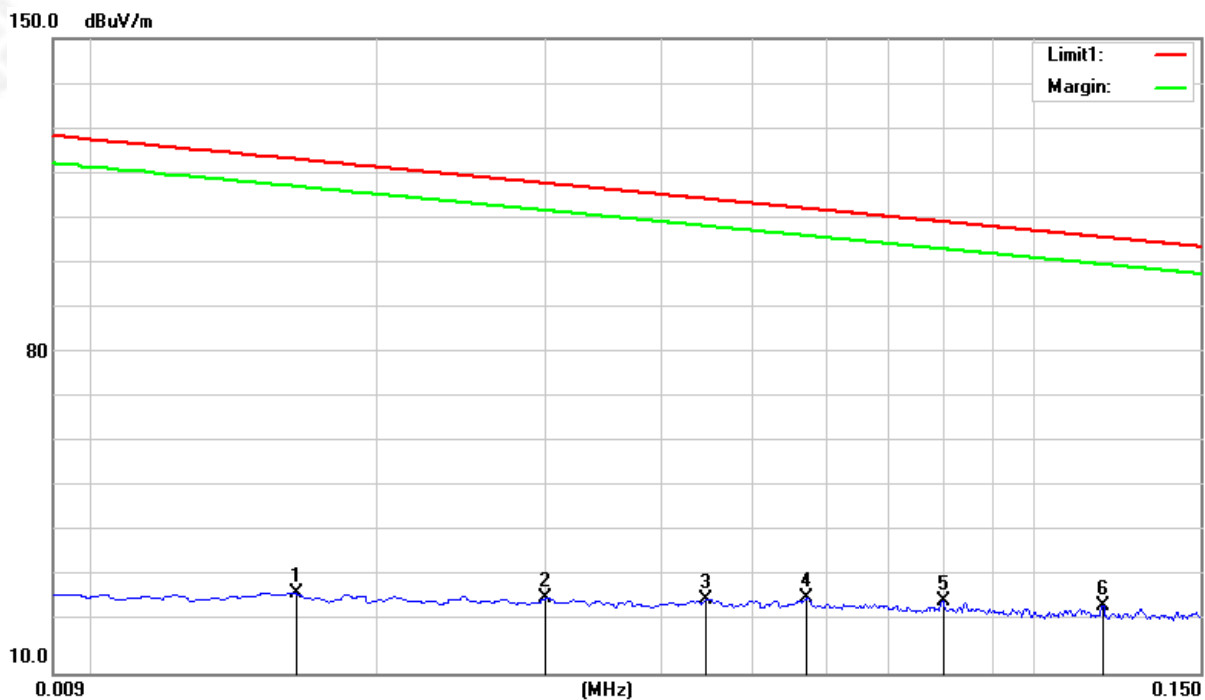
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Coaxial
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode:	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0216	7.65	20.07	27.72	120.92	-93.20	AVG
2	0.0297	7.25	19.91	27.16	118.15	-90.99	AVG
3	0.0403	7.78	19.69	27.47	115.50	-88.03	AVG
4	0.0574	9.96	19.29	29.25	112.43	-83.18	AVG
5	0.0810	8.18	18.51	26.69	109.43	-82.74	AVG
6	0.1074	8.02	17.59	25.61	106.98	-81.37	QP



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Coplanar
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode:	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0163	7.72	19.83	27.55	123.36	-95.81	AVG
2	0.0301	6.61	19.90	26.51	118.03	-91.52	AVG
3	0.0445	6.60	19.61	26.21	114.64	-88.43	AVG
4	0.0572	7.22	19.30	26.52	112.46	-85.94	AVG
5	0.0798	7.48	18.57	26.05	109.56	-83.51	AVG
6	0.1183	7.49	17.56	25.05	106.14	-81.09	AVG

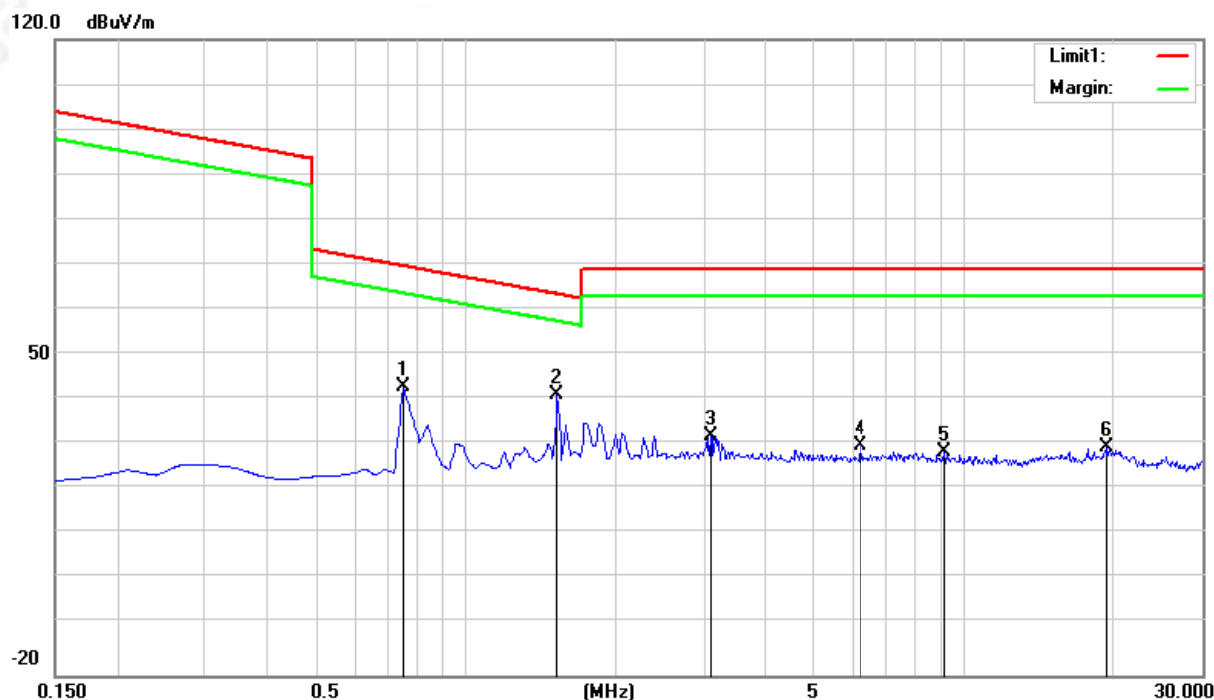
Remarks:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain
3. The test data shows only the worst case TX 802.11n20 - 2412MHz.



Between 150kHz – 30MHz

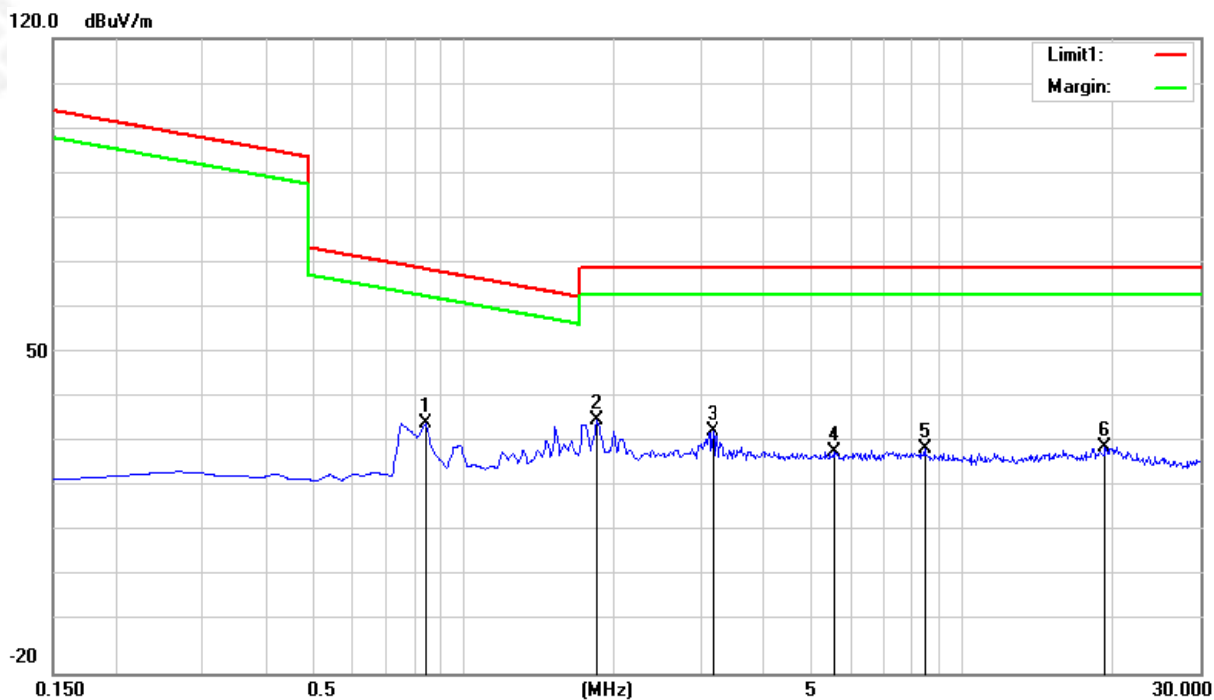
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Coaxial
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode :	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.7470	23.25	20.30	43.55	70.14	-26.59	QP
2	1.5231	21.49	20.30	41.79	63.95	-22.16	QP
3	3.1052	12.52	20.13	32.65	69.50	-36.85	QP
4	6.2096	10.21	20.43	30.64	69.50	-38.86	QP
5	9.1350	9.00	20.25	29.25	69.50	-40.25	QP
6	19.3733	7.96	22.35	30.31	69.50	-39.19	QP



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Coplanar
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode :	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.8366	14.99	20.27	35.26	69.15	-33.89	QP
2	1.8515	15.31	20.37	35.68	69.50	-33.82	QP
3	3.1648	13.12	20.15	33.27	69.50	-36.23	QP
4	5.5230	8.36	20.47	28.83	69.50	-40.67	QP
5	8.4184	9.20	20.29	29.49	69.50	-40.01	QP
6	19.4032	7.54	22.36	29.90	69.50	-39.60	QP

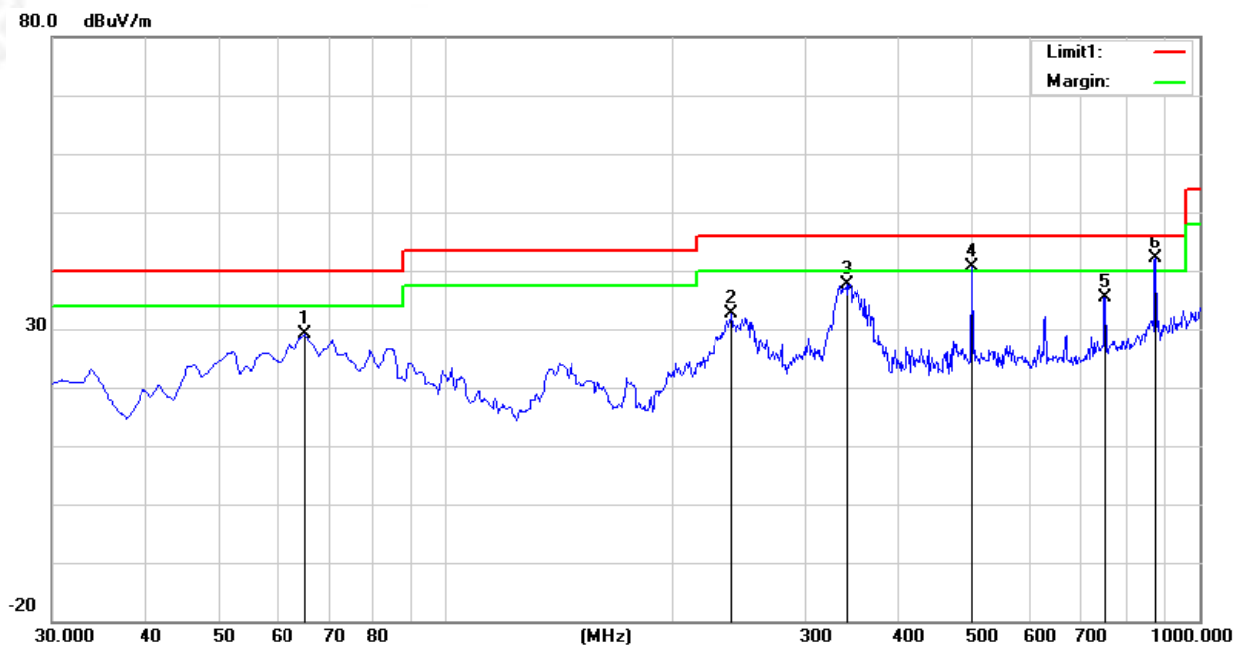
Remarks:

1. Margin = Result (Result = Reading + Factor) – Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain
3. The test data shows only the worst case TX 802.11n20 - 2412MHz.



Between 30MHz – 1GHz

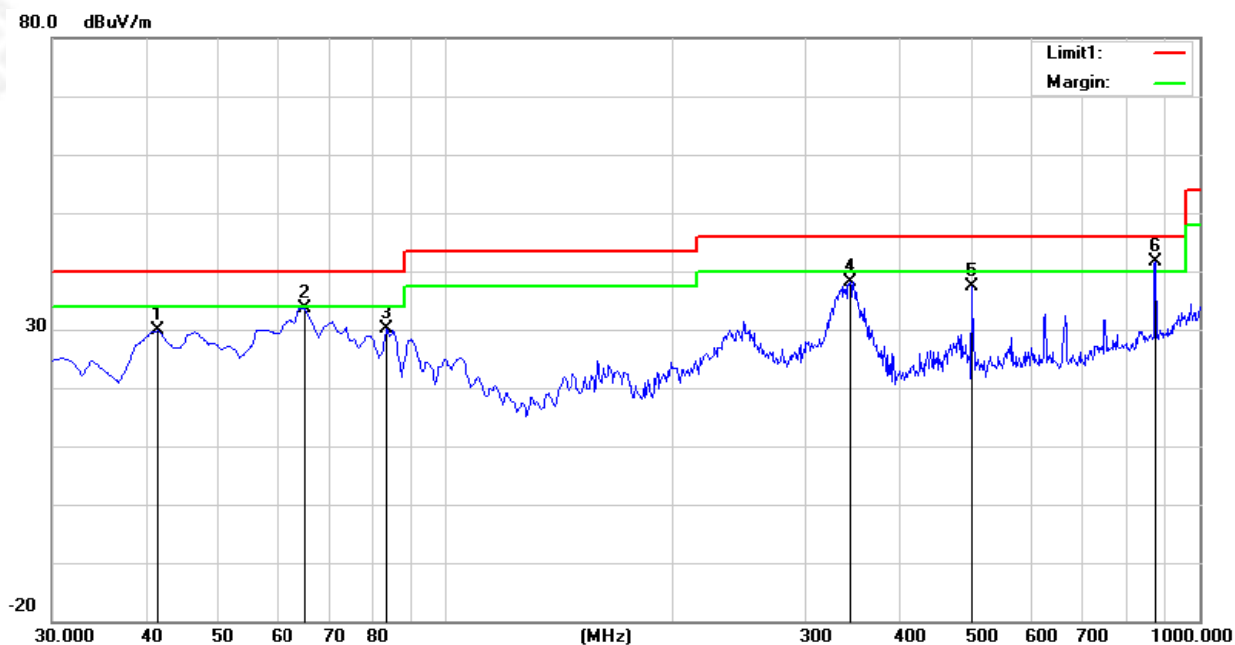
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode :	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	64.9200	54.82	-25.62	29.20	40.00	-10.80	QP
2	240.4900	50.45	-17.93	32.52	46.00	-13.48	QP
3	340.4000	50.98	-13.39	37.59	46.00	-8.41	QP
4	500.4500	48.55	-8.01	40.54	46.00	-5.46	QP
5	750.7100	37.63	-2.16	35.47	46.00	-10.53	QP
6	875.8400	42.67	-0.61	42.06	46.00	-3.94	QP



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V From Adapter AC 120V/60Hz	Test Mode :	TX 802.11n20 - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	41.6400	48.77	-18.93	29.84	40.00	-10.16	QP
2	64.9200	59.24	-25.62	33.62	40.00	-6.38	QP
3	83.3500	52.55	-22.52	30.03	40.00	-9.97	QP
4	344.2800	51.38	-13.26	38.12	46.00	-7.88	QP
5	500.4500	45.35	-8.01	37.34	46.00	-8.66	QP
6	875.8400	42.21	-0.61	41.60	46.00	-4.40	QP

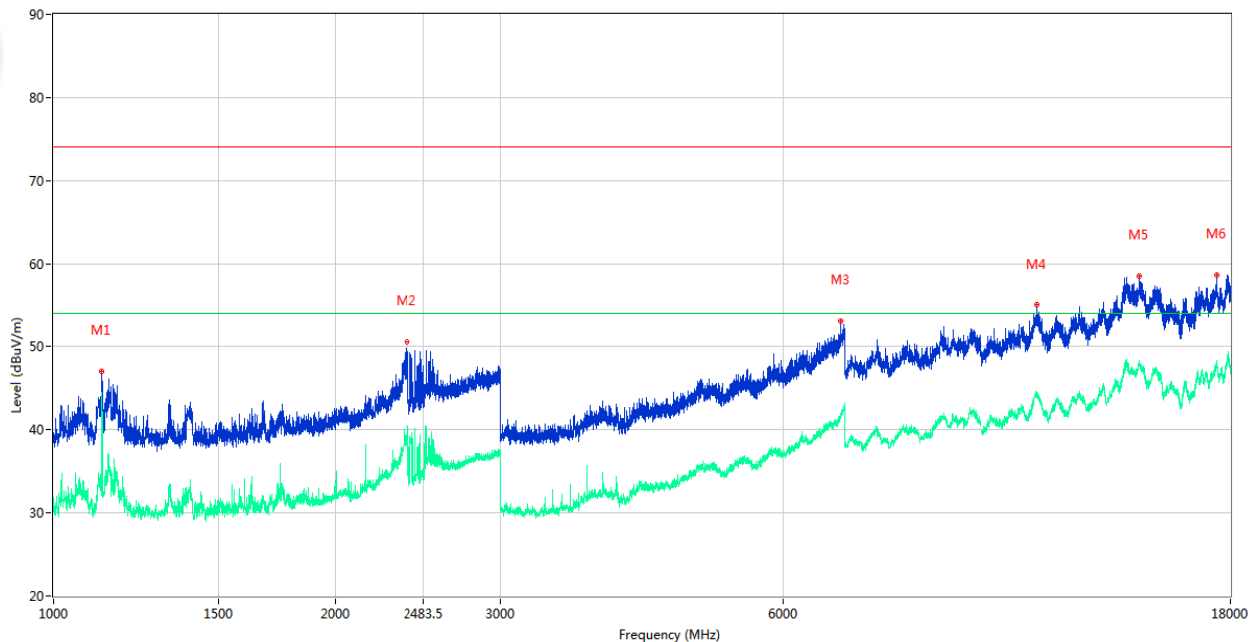
Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor= Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin= Measurement Level-Limit.
7. The test data shows only the worst case TX 802.11n20 - 2412MHz.

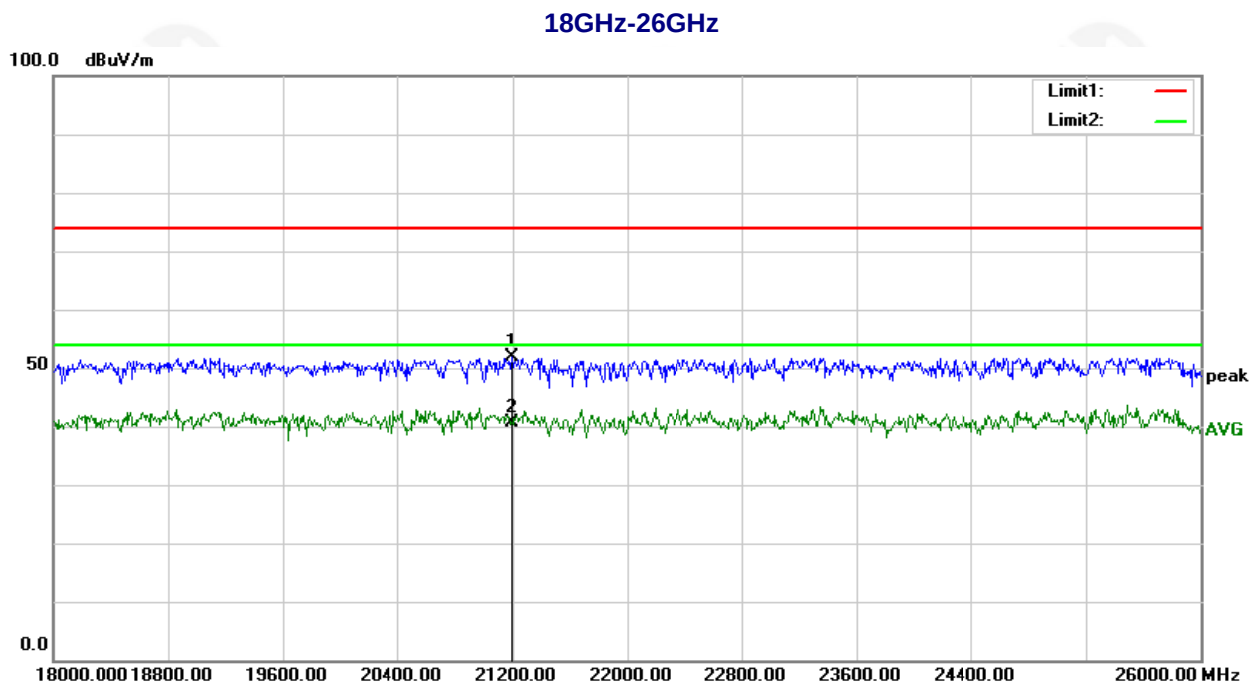


1GHz~25GHz Spurious emission Requirements

Worst Mode
802.11 n20
Low Channel
Horizontal



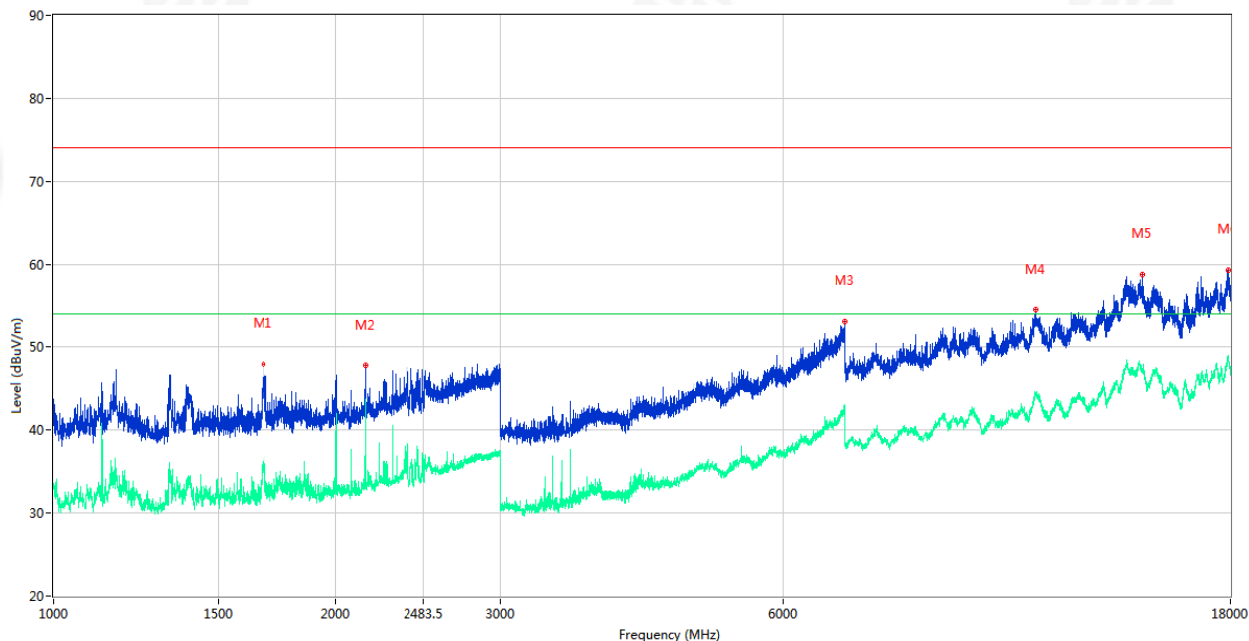
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1125.000	46.99	-1.72	74.0	-27.01	Peak	130.10	Horizontal	Pass
1**	1125.000	44.52	-1.72	54.0	-9.48	AV	130.10	Horizontal	Pass
2	2388.000	50.56	3.00	74.0	-23.44	Peak	93.60	Horizontal	Pass
2**	2388.000	40.88	3.00	54.0	-13.12	AV	93.60	Horizontal	Pass
3	6928.000	53.06	0.74	74.0	-20.94	Peak	251.30	Horizontal	Pass
3**	6928.000	41.68	0.74	54.0	-12.32	AV	251.30	Horizontal	Pass
4	11226.750	55.00	2.53	74.0	-19.00	Peak	272.20	Horizontal	Pass
4**	11226.750	44.33	2.53	54.0	-9.67	AV	272.20	Horizontal	Pass
5	14427.750	58.49	6.79	74.0	-15.51	Peak	322.00	Horizontal	Pass
5**	14427.750	47.66	6.79	54.0	-6.34	AV	322.00	Horizontal	Pass
6	17405.999	58.68	6.87	74.0	-15.32	Peak	256.60	Horizontal	Pass
6**	17405.999	47.87	6.87	54.0	-6.13	AV	256.60	Horizontal	Pass



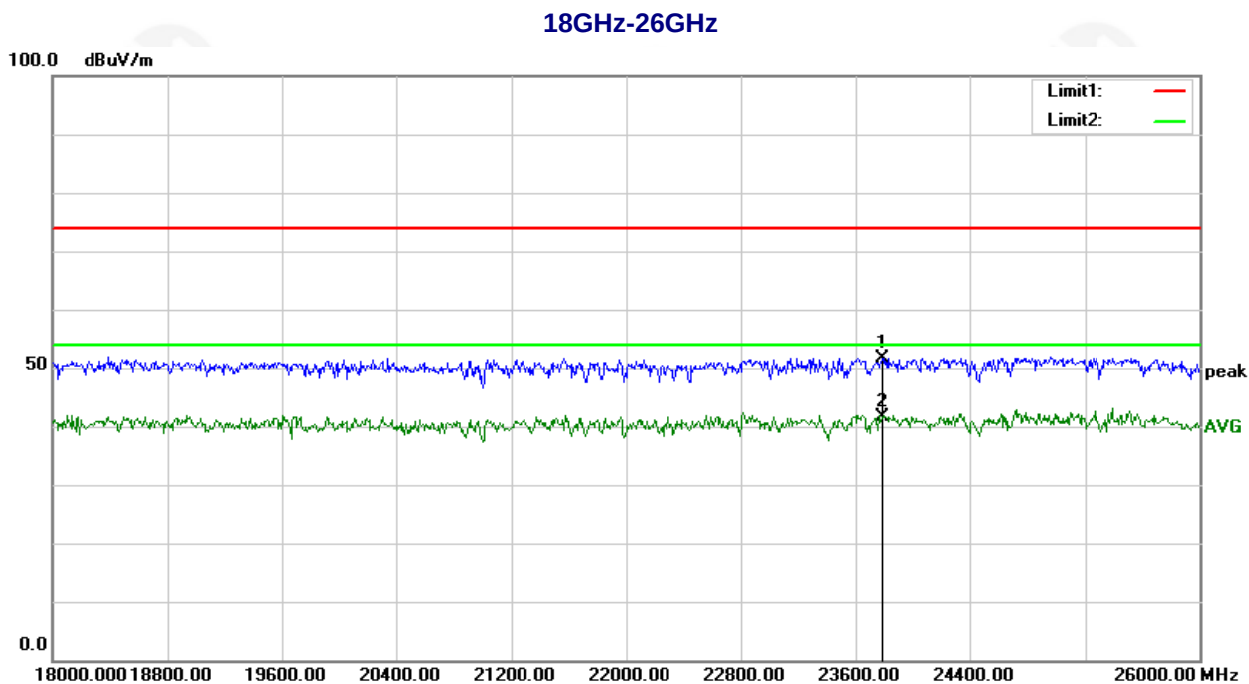
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	21192.000	49.14	2.77	51.91	74.00	-22.09	peak
2	21192.000	37.96	2.77	40.73	54.00	-13.27	AVG



Vertical
1GHz-18GHz



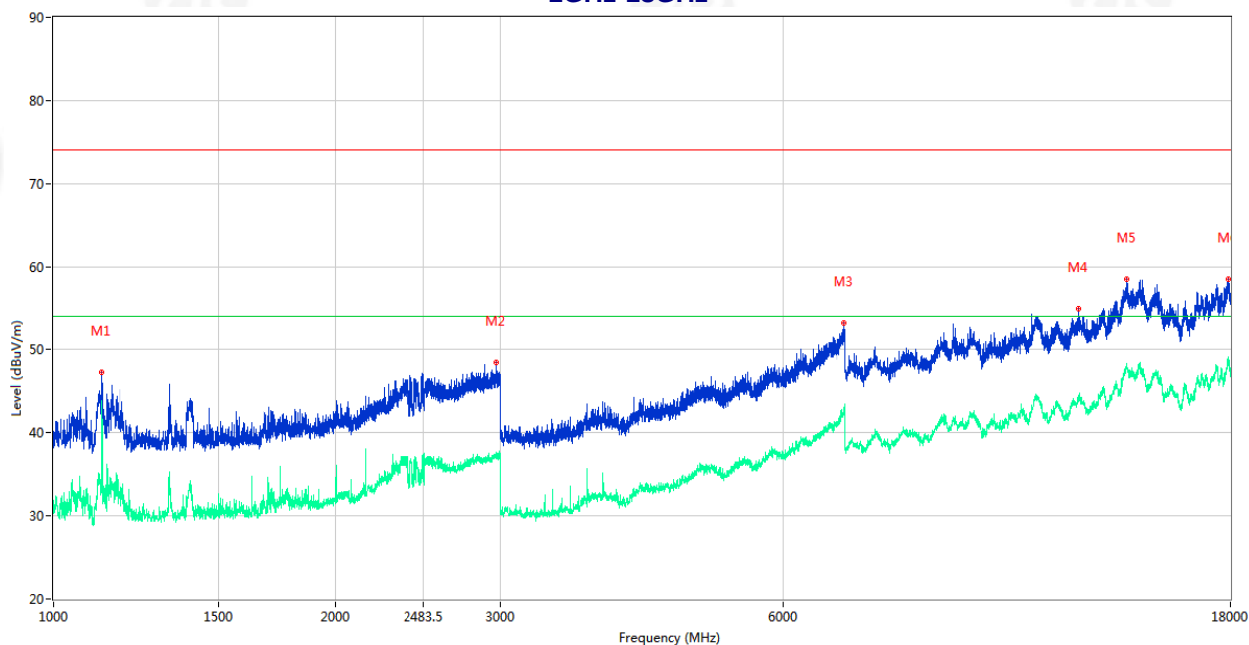
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1677.500	47.96	-0.97	74.0	-26.04	Peak	230.50	Vertical	Pass
1**	1677.500	36.31	-0.97	54.0	-17.69	AV	230.50	Vertical	Pass
2	2153.000	47.76	1.85	74.0	-26.24	Peak	29.70	Vertical	Pass
2**	2153.000	43.63	1.85	54.0	-10.37	AV	29.70	Vertical	Pass
3	6999.000	53.06	1.31	74.0	-20.94	Peak	45.90	Vertical	Pass
3**	6999.000	42.82	1.31	54.0	-11.18	AV	45.90	Vertical	Pass
4	11185.500	54.47	2.54	74.0	-19.53	Peak	152.80	Vertical	Pass
4**	11185.500	44.21	2.54	54.0	-9.79	AV	152.80	Vertical	Pass
5	14524.000	58.77	6.29	74.0	-15.23	Peak	236.90	Vertical	Pass
5**	14524.000	47.23	6.29	54.0	-6.77	AV	236.90	Vertical	Pass
6	17920.250	59.34	7.08	74.0	-14.66	Peak	48.30	Vertical	Pass
6**	17920.250	48.70	7.08	54.0	-5.30	AV	48.30	Vertical	Pass



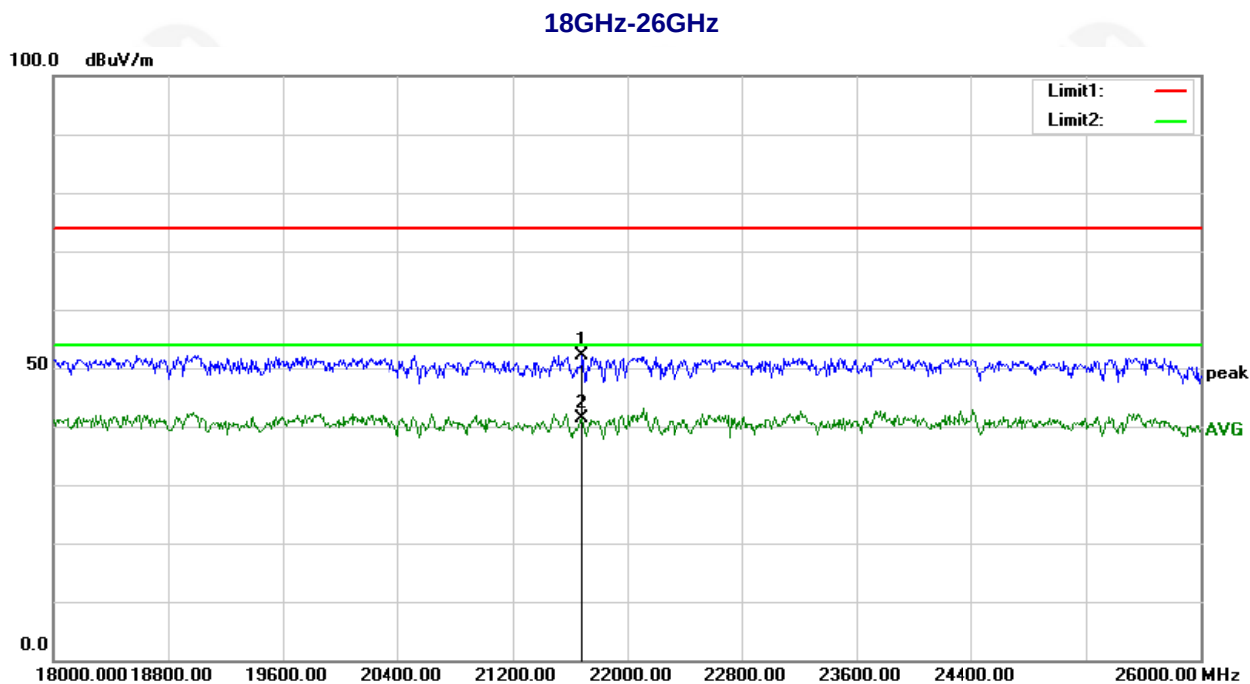
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	23784.000	47.27	4.42	51.69	74.00	-22.31	peak
2	23784.000	37.09	4.42	41.51	54.00	-12.49	AVG



Mid Channel
Horizontal
1GHz-18GHz



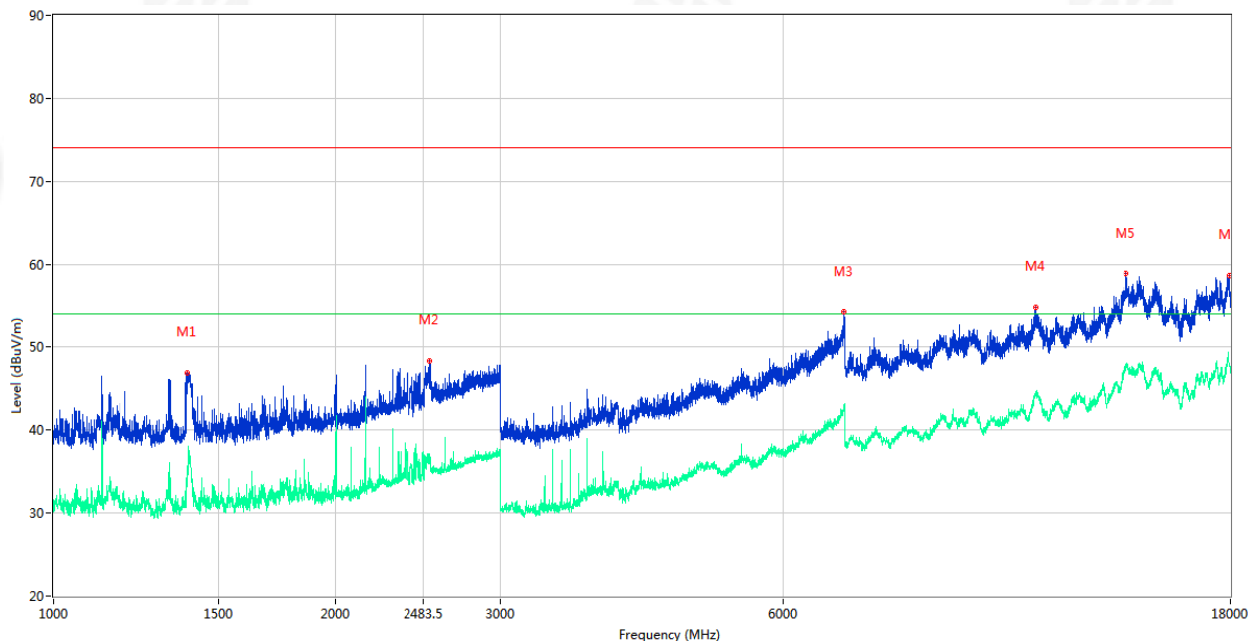
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1124.500	47.26	-1.72	74.0	-26.74	Peak	132.30	Horizontal	Pass
1**	1124.500	43.49	-1.72	54.0	-10.51	AV	132.30	Horizontal	Pass
2	2968.500	48.54	5.31	74.0	-25.46	Peak	273.30	Horizontal	Pass
2**	2968.500	37.64	5.31	54.0	-16.36	AV	273.30	Horizontal	Pass
3	6976.000	53.27	1.13	74.0	-20.73	Peak	203.00	Horizontal	Pass
3**	6976.000	42.43	1.13	54.0	-11.57	AV	203.00	Horizontal	Pass
4	12420.250	54.99	2.98	74.0	-19.01	Peak	275.90	Horizontal	Pass
4**	12420.250	44.30	2.98	54.0	-9.70	AV	275.90	Horizontal	Pass
5	13979.500	58.44	8.19	74.0	-15.56	Peak	161.70	Horizontal	Pass
5**	13979.500	48.15	8.19	54.0	-5.85	AV	161.70	Horizontal	Pass
6	17912.001	58.49	7.15	74.0	-15.51	Peak	241.70	Horizontal	Pass
6**	17912.001	49.01	7.15	54.0	-4.99	AV	241.70	Horizontal	Pass



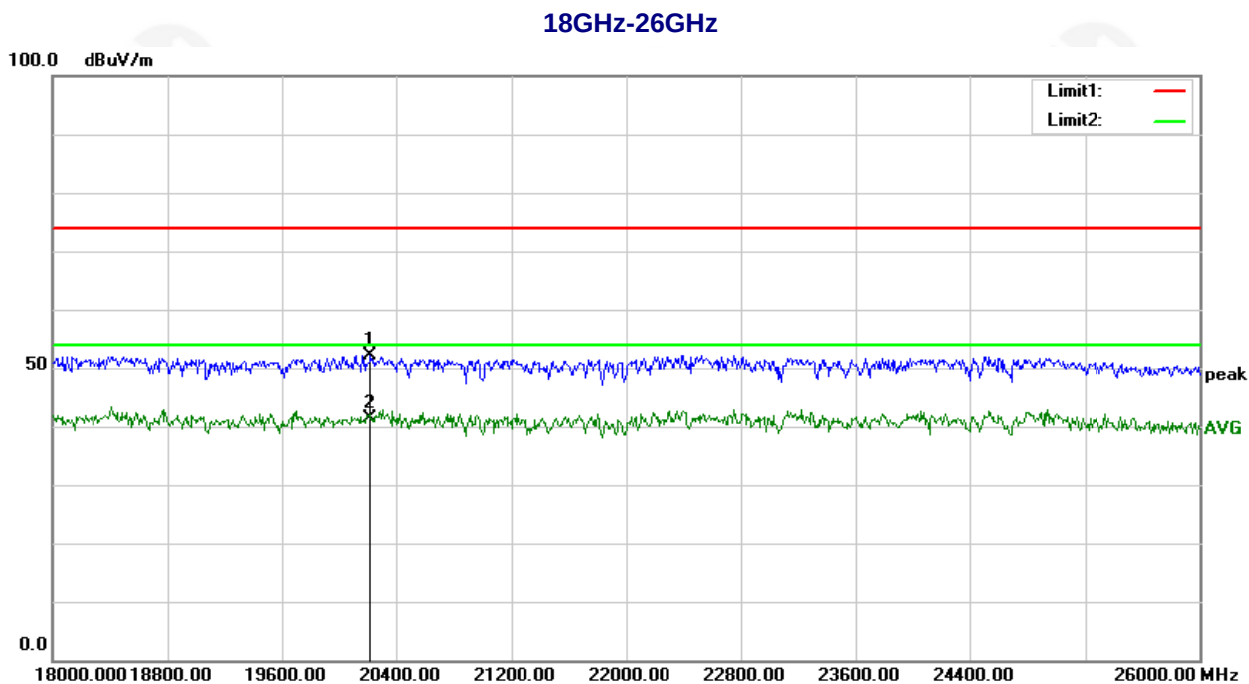
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	21688.000	49.03	3.12	52.15	74.00	-21.85	peak
2	21688.000	38.19	3.12	41.31	54.00	-12.69	AVG



Vertical
1GHz-18GHz



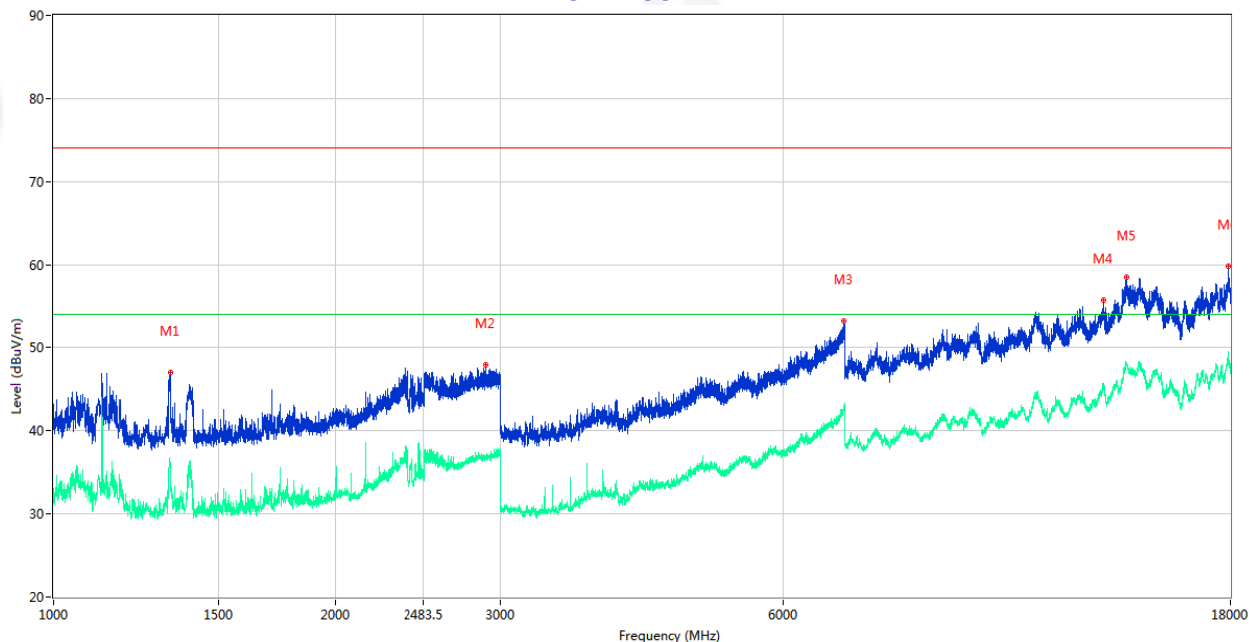
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1387.500	46.91	-1.21	74.0	-27.09	Peak	161.40	Vertical	Pass
1**	1387.500	33.43	-1.21	54.0	-20.57	AV	161.40	Vertical	Pass
2	2522.000	48.34	3.32	74.0	-25.66	Peak	141.70	Vertical	Pass
2**	2522.000	36.35	3.32	54.0	-17.65	AV	141.70	Vertical	Pass
3	6976.000	54.21	1.13	74.0	-19.79	Peak	306.80	Vertical	Pass
3**	6976.000	42.86	1.13	54.0	-11.14	AV	306.80	Vertical	Pass
4	11180.000	54.77	2.51	74.0	-19.23	Peak	83.50	Vertical	Pass
4**	11180.000	44.07	2.51	54.0	-9.93	AV	83.50	Vertical	Pass
5	13949.250	58.83	7.82	74.0	-15.17	Peak	0.20	Vertical	Pass
5**	13949.250	47.36	7.82	54.0	-6.64	AV	0.20	Vertical	Pass
6	17956.000	58.63	6.81	74.0	-15.37	Peak	122.60	Vertical	Pass
6**	17956.000	48.14	6.81	54.0	-5.86	AV	122.60	Vertical	Pass



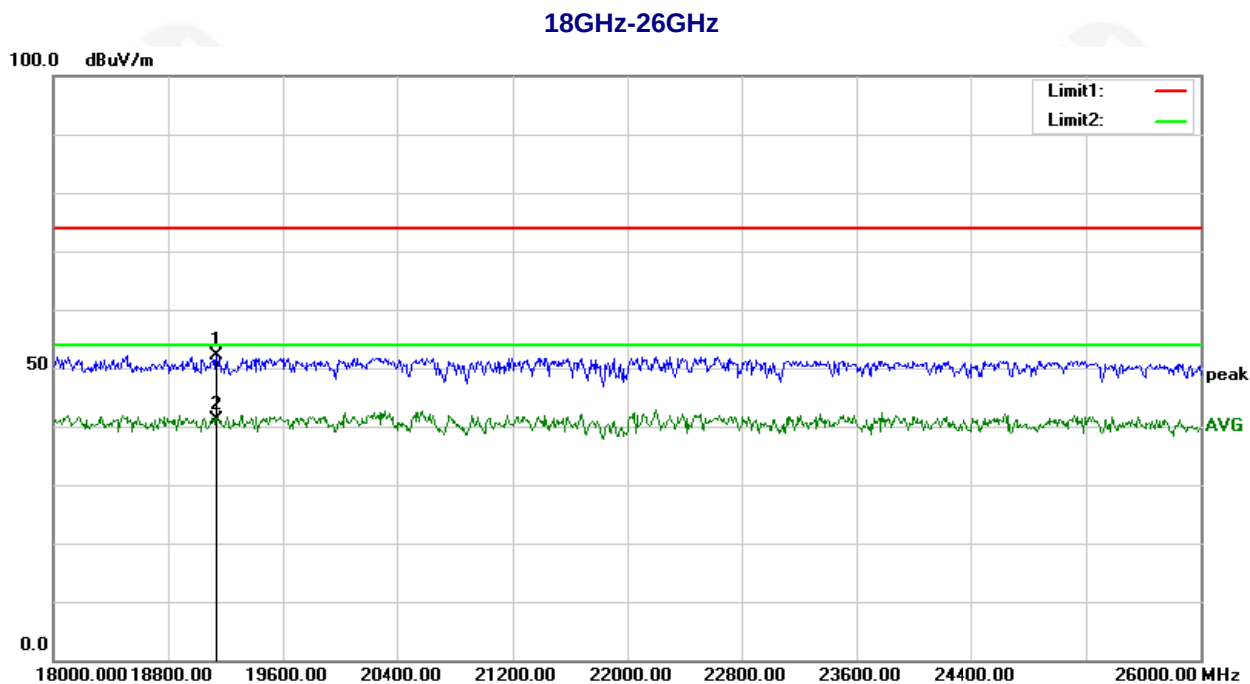
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20216.000	50.23	1.98	52.21	74.00	-21.79	peak
2	20216.000	39.34	1.98	41.32	54.00	-12.68	AVG



High Channel
Horizontal
1GHz-18GHz



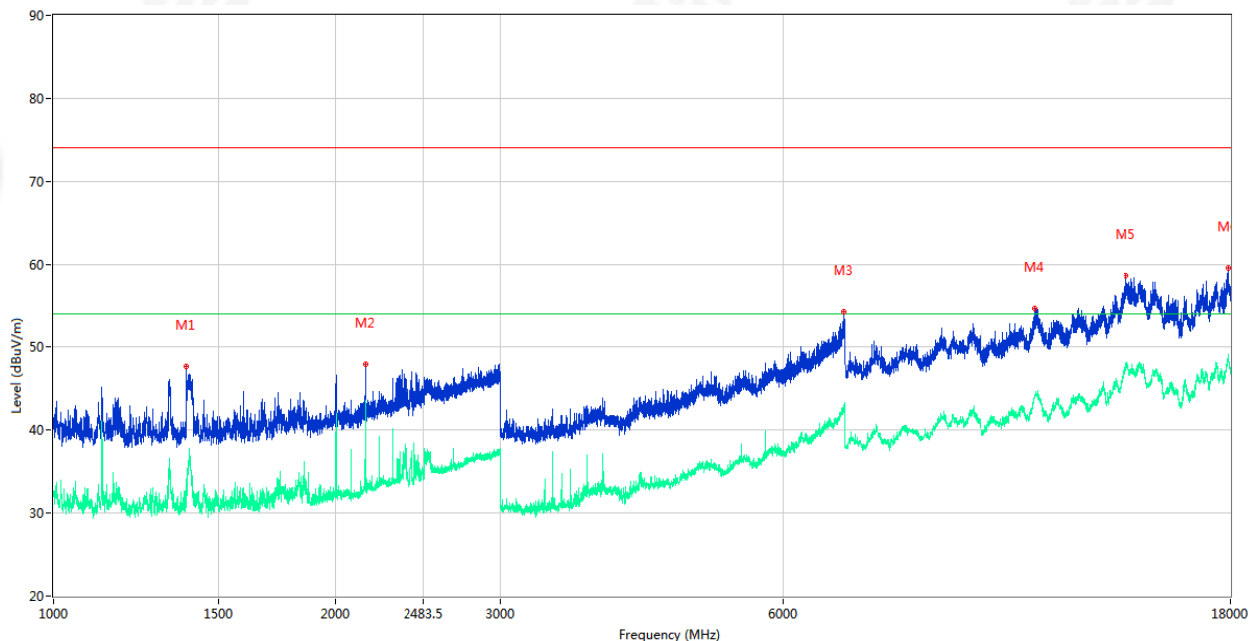
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1331.500	47.03	-1.29	74.0	-26.97	Peak	127.10	Horizontal	Pass
1**	1331.500	35.50	-1.29	54.0	-18.50	AV	127.10	Horizontal	Pass
2	2897.500	47.97	4.90	74.0	-26.03	Peak	103.30	Horizontal	Pass
2**	2897.500	36.98	4.90	54.0	-17.02	AV	103.30	Horizontal	Pass
3	6971.000	53.21	1.09	74.0	-20.79	Peak	169.00	Horizontal	Pass
3**	6971.000	42.91	1.09	54.0	-11.09	AV	169.00	Horizontal	Pass
4	13206.750	55.75	5.31	74.0	-18.25	Peak	23.30	Horizontal	Pass
4**	13206.750	45.26	5.31	54.0	-8.74	AV	23.30	Horizontal	Pass
5	13985.000	58.53	8.26	74.0	-15.47	Peak	16.90	Horizontal	Pass
5**	13985.000	48.14	8.26	54.0	-5.86	AV	16.90	Horizontal	Pass
6	17906.500	59.83	7.19	74.0	-14.17	Peak	64.90	Horizontal	Pass
6**	17906.500	48.92	7.19	54.0	-5.08	AV	64.90	Horizontal	Pass



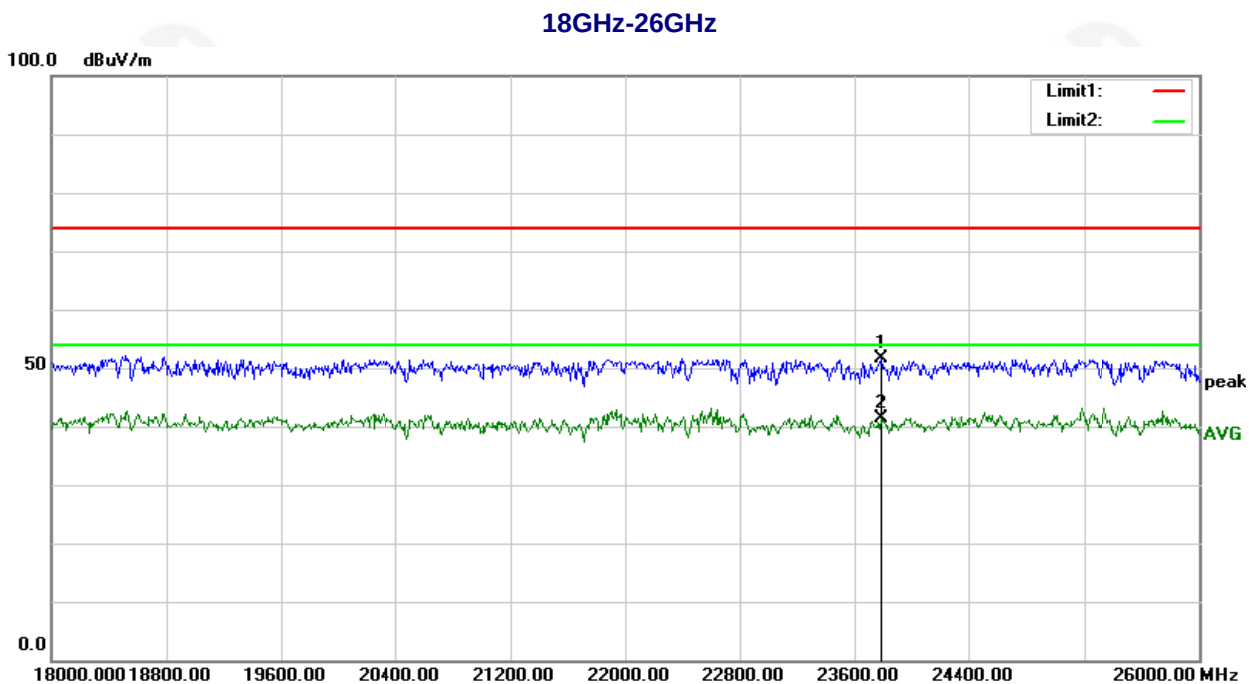
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19136.000	50.52	1.67	52.19	74.00	-21.81	peak
2	19136.000	39.58	1.67	41.25	54.00	-12.75	AVG



Vertical
1GHz-18GHz



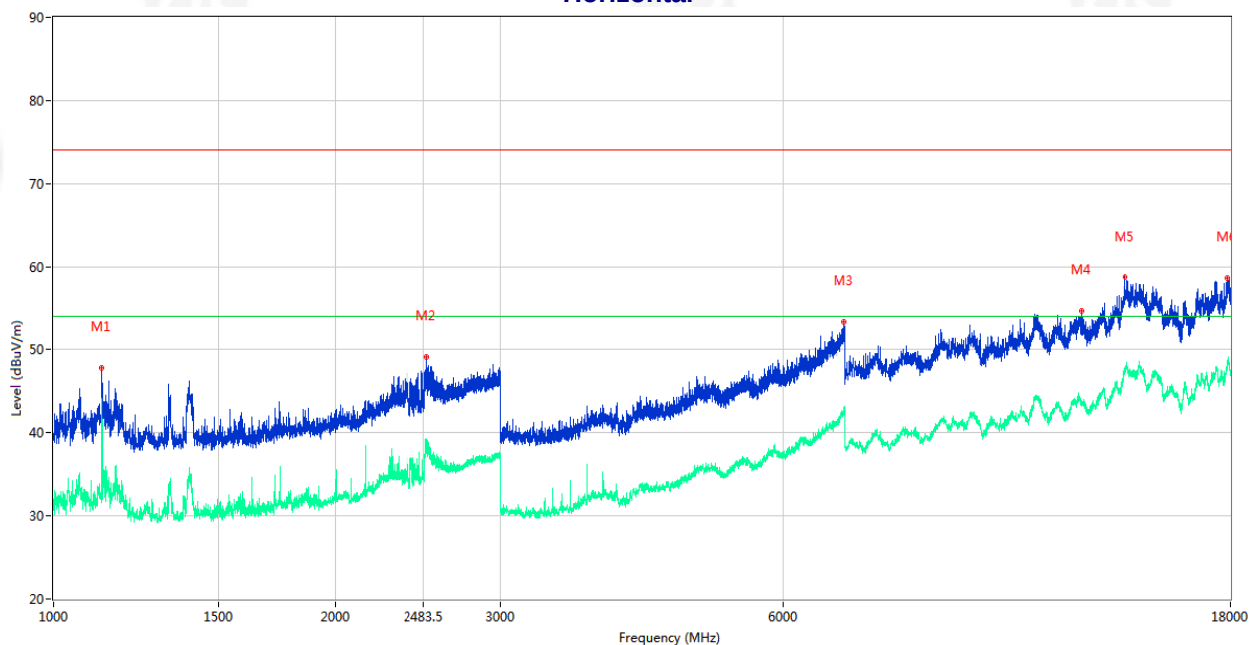
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1386.000	47.67	-1.21	74.0	-26.33	Peak	158.70	Vertical	Pass
1**	1386.000	34.05	-1.21	54.0	-19.95	AV	158.70	Vertical	Pass
2	2153.000	48.00	1.85	74.0	-26.00	Peak	6.10	Vertical	Pass
2**	2153.000	43.54	1.85	54.0	-10.46	AV	6.10	Vertical	Pass
3	6975.000	54.25	1.12	74.0	-19.75	Peak	346.60	Vertical	Pass
3**	6975.000	42.62	1.12	54.0	-11.38	AV	346.60	Vertical	Pass
4	11160.750	54.65	2.41	74.0	-19.35	Peak	1.50	Vertical	Pass
4**	11160.750	44.16	2.41	54.0	-9.84	AV	1.50	Vertical	Pass
5	13974.000	58.58	8.12	74.0	-15.42	Peak	27.50	Vertical	Pass
5**	13974.000	47.55	8.12	54.0	-6.45	AV	27.50	Vertical	Pass
6	17895.500	59.54	7.20	74.0	-14.46	Peak	29.40	Vertical	Pass
6**	17895.500	49.02	7.20	54.0	-4.98	AV	29.40	Vertical	Pass



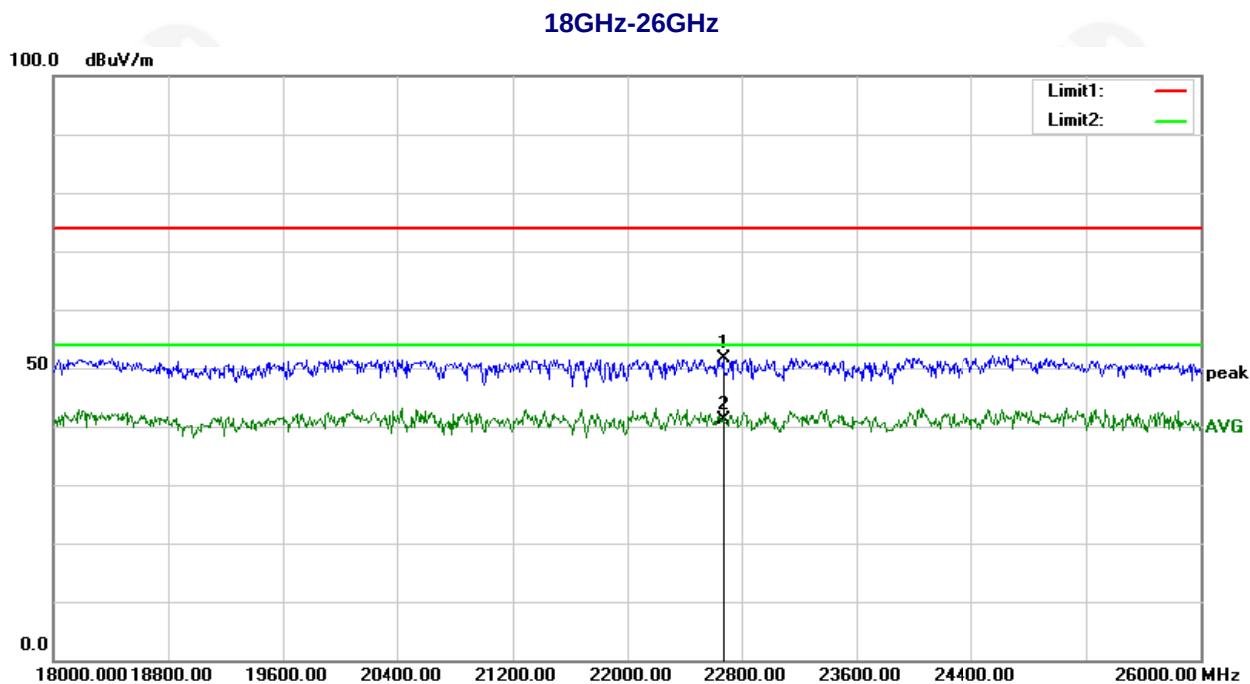
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	23784.000	47.32	4.42	51.74	74.00	-22.26	peak
2	23784.000	37.04	4.42	41.46	54.00	-12.54	AVG



802.11 n40
Low Channel
Horizontal



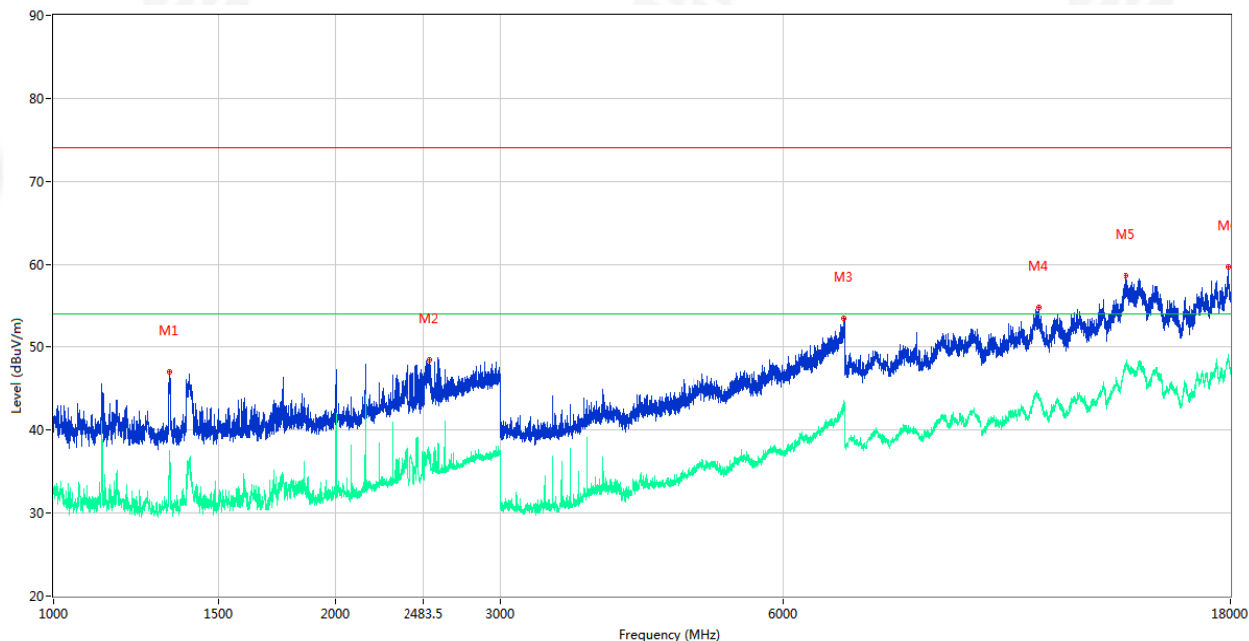
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1124.500	47.82	-1.72	74.0	-26.18	Peak	135.60	Horizontal	Pass
1**	1124.500	43.71	-1.72	54.0	-10.29	AV	135.60	Horizontal	Pass
2	2502.000	49.08	3.16	74.0	-24.92	Peak	295.10	Horizontal	Pass
2**	2502.000	38.34	3.16	54.0	-15.66	AV	295.10	Horizontal	Pass
3	6978.000	53.30	1.14	74.0	-20.70	Peak	358.40	Horizontal	Pass
3**	6978.000	42.70	1.14	54.0	-11.30	AV	358.40	Horizontal	Pass
4	12502.750	54.64	2.19	74.0	-19.36	Peak	120.10	Horizontal	Pass
4**	12502.750	43.53	2.19	54.0	-10.47	AV	120.10	Horizontal	Pass
5	13916.250	58.70	7.40	74.0	-15.30	Peak	100.80	Horizontal	Pass
5**	13916.250	47.30	7.40	54.0	-6.70	AV	100.80	Horizontal	Pass
6	17876.251	58.63	7.04	74.0	-15.37	Peak	197.10	Horizontal	Pass
6**	17876.251	48.51	7.04	54.0	-5.49	AV	197.10	Horizontal	Pass



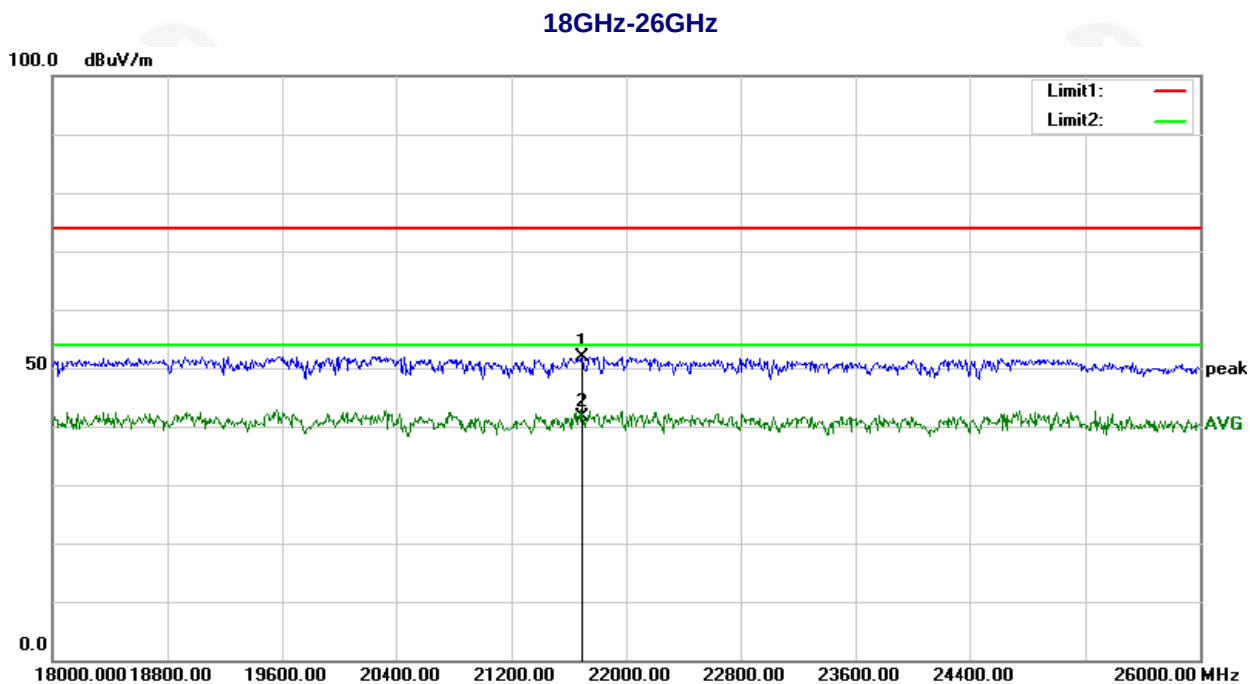
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	22672.000	47.90	3.82	51.72	74.00	-22.28	peak
2	22672.000	37.21	3.82	41.03	54.00	-12.97	AVG



Vertical
1GHz-18GHz



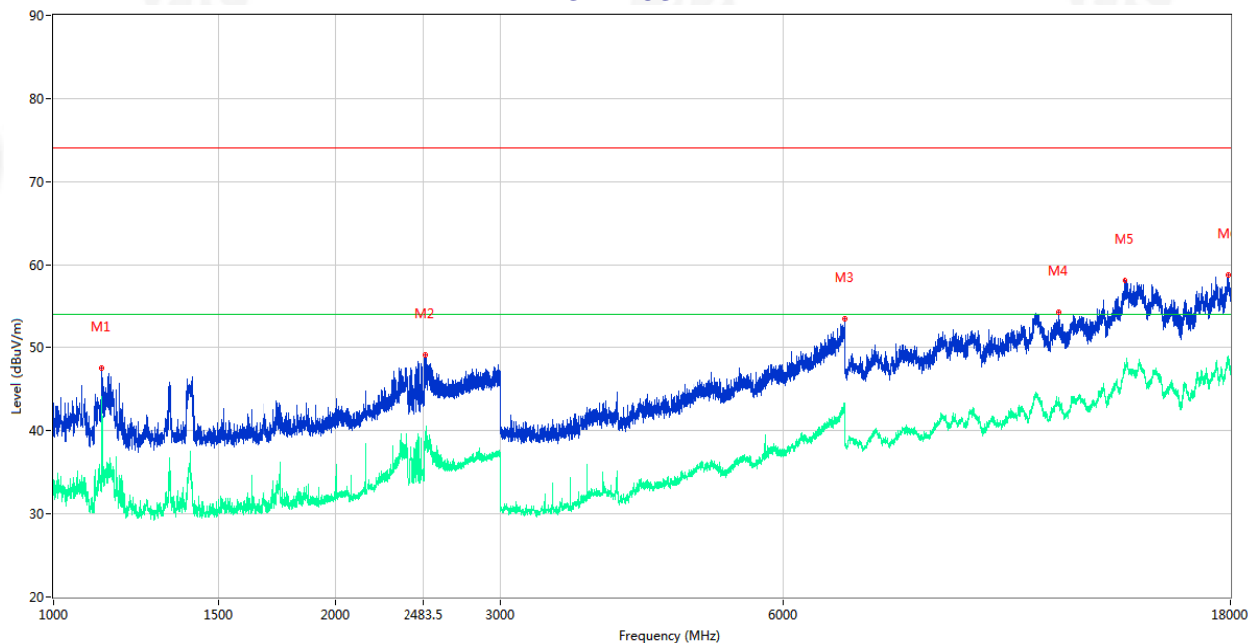
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1329.000	47.04	-1.29	74.0	-26.96	Peak	226.00	Vertical	Pass
1**	1329.000	37.22	-1.29	54.0	-16.78	AV	226.00	Vertical	Pass
2	2521.000	48.51	3.31	74.0	-25.49	Peak	140.50	Vertical	Pass
2**	2521.000	36.89	3.31	54.0	-17.11	AV	140.50	Vertical	Pass
3	6981.000	53.51	1.17	74.0	-20.49	Peak	278.80	Vertical	Pass
3**	6981.000	42.79	1.17	54.0	-11.21	AV	278.80	Vertical	Pass
4	11279.000	54.76	2.35	74.0	-19.24	Peak	106.60	Vertical	Pass
4**	11279.000	43.76	2.35	54.0	-10.24	AV	106.60	Vertical	Pass
5	13946.500	58.59	7.78	74.0	-15.41	Peak	100.20	Vertical	Pass
5**	13946.500	47.52	7.78	54.0	-6.48	AV	100.20	Vertical	Pass
6	17909.250	59.64	7.17	74.0	-14.36	Peak	316.80	Vertical	Pass
6**	17909.250	48.90	7.17	54.0	-5.10	AV	316.80	Vertical	Pass



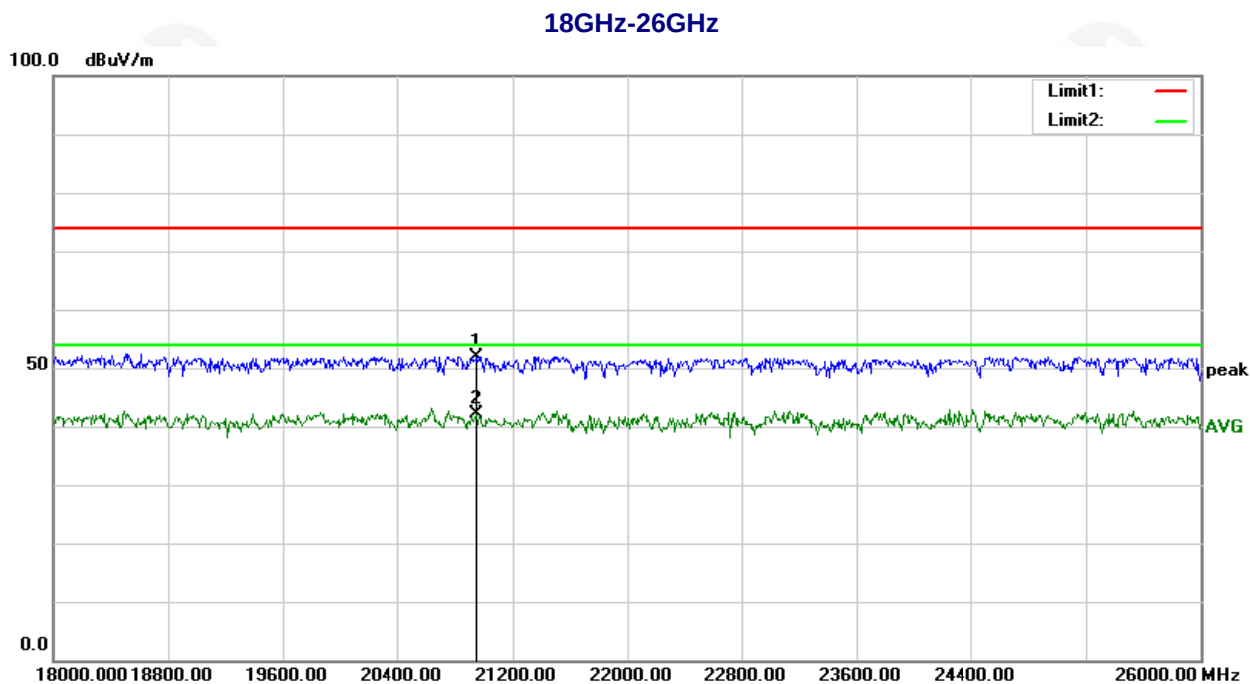
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	21696.000	48.87	3.13	52.00	74.00	-22.00	peak
2	21696.000	38.55	3.13	41.68	54.00	-12.32	AVG



Mid Channel
Horizontal
1GHz-18GHz



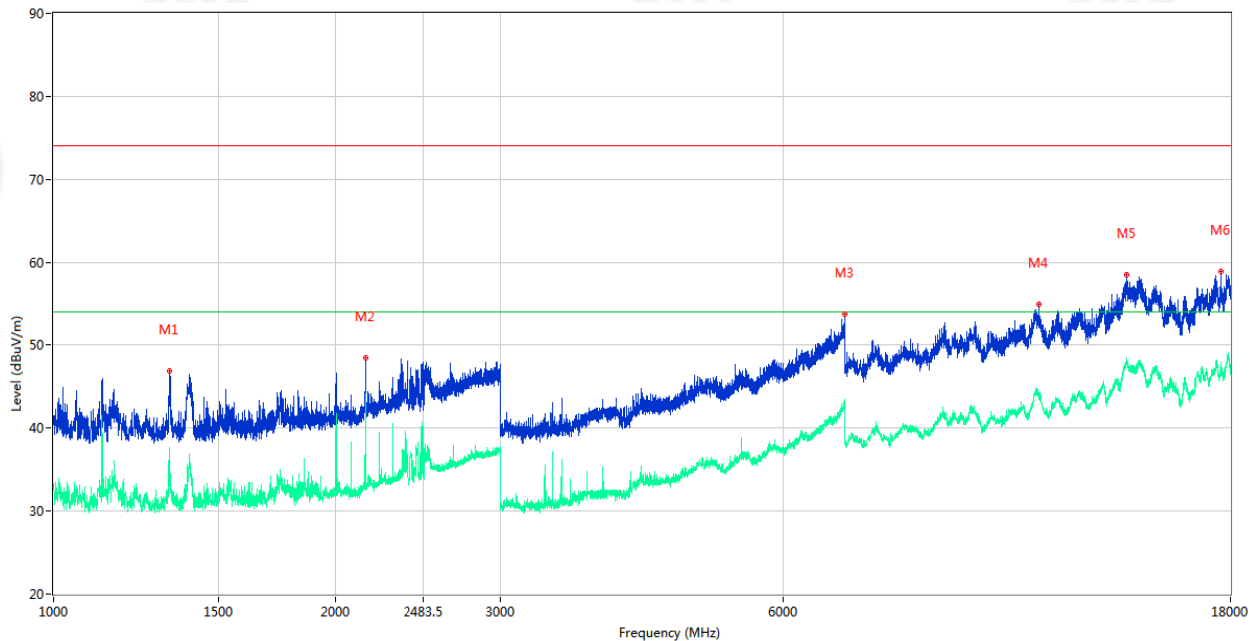
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1125.000	47.61	-1.72	74.0	-26.39	Peak	252.80	Horizontal	Pass
1**	1125.000	44.10	-1.72	54.0	-9.90	AV	252.80	Horizontal	Pass
2	2500.000	49.19	3.14	74.0	-24.81	Peak	102.50	Horizontal	Pass
2**	2500.000	39.37	3.14	54.0	-14.63	AV	102.50	Horizontal	Pass
3	6987.000	53.47	1.21	74.0	-20.53	Peak	183.00	Horizontal	Pass
3**	6987.000	42.80	1.21	54.0	-11.20	AV	183.00	Horizontal	Pass
4	11826.250	54.31	2.16	74.0	-19.69	Peak	264.40	Horizontal	Pass
4**	11826.250	43.50	2.16	54.0	-10.50	AV	264.40	Horizontal	Pass
5	13930.000	58.12	7.58	74.0	-15.88	Peak	47.50	Horizontal	Pass
5**	13930.000	47.44	7.58	54.0	-6.56	AV	47.50	Horizontal	Pass
6	17925.751	58.76	7.04	74.0	-15.24	Peak	44.90	Horizontal	Pass
6**	17925.751	48.26	7.04	54.0	-5.74	AV	44.90	Horizontal	Pass



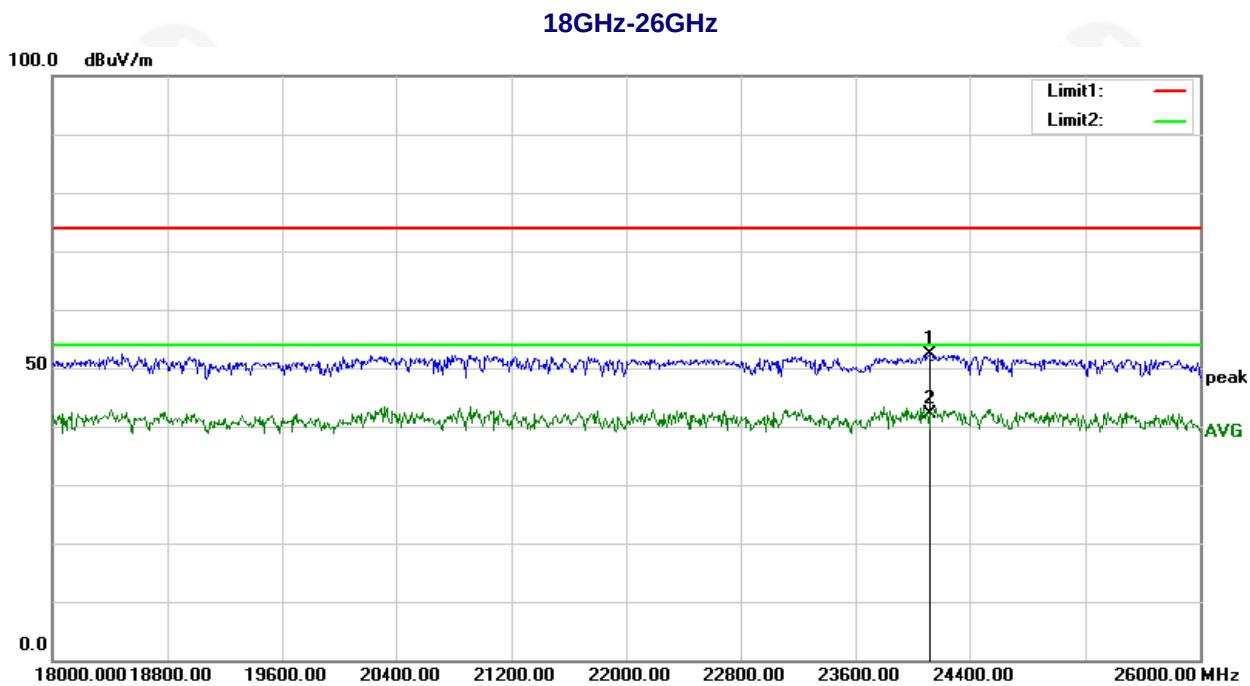
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20952.000	49.36	2.62	51.98	74.00	-22.02	peak
2	20952.000	39.51	2.62	42.13	54.00	-11.87	AVG



Vertical
1GHz-18GHz



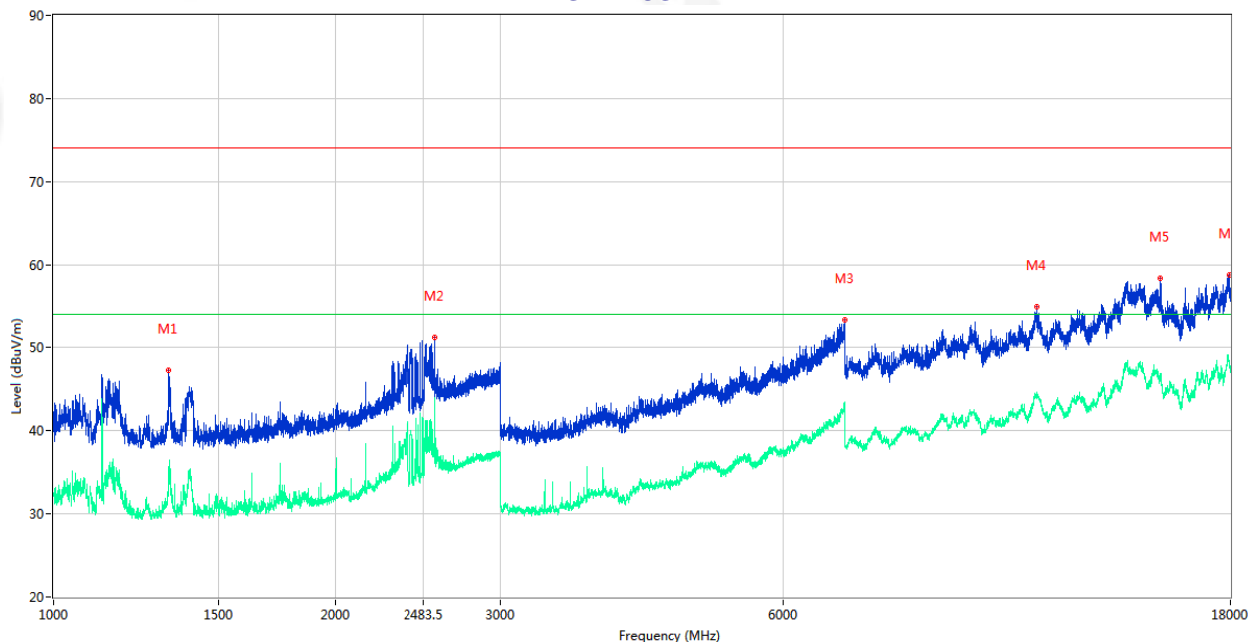
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1331.000	46.94	-1.29	74.0	-27.06	Peak	36.80	Vertical	Pass
1**	1331.000	35.51	-1.29	54.0	-18.49	AV	36.80	Vertical	Pass
2	2153.500	48.45	1.84	74.0	-25.55	Peak	24.10	Vertical	Pass
2**	2153.500	44.11	1.84	54.0	-9.89	AV	24.10	Vertical	Pass
3	6986.000	53.70	1.21	74.0	-20.30	Peak	177.60	Vertical	Pass
3**	6986.000	42.63	1.21	54.0	-11.37	AV	177.60	Vertical	Pass
4	11273.500	54.89	2.37	74.0	-19.11	Peak	143.50	Vertical	Pass
4**	11273.500	43.76	2.37	54.0	-10.24	AV	143.50	Vertical	Pass
5	14004.250	58.48	8.38	74.0	-15.52	Peak	360.00	Vertical	Pass
5**	14004.250	48.10	8.38	54.0	-5.90	AV	360.00	Vertical	Pass
6	17609.501	58.91	6.55	74.0	-15.09	Peak	268.10	Vertical	Pass
6**	17609.501	47.38	6.55	54.0	-6.62	AV	268.10	Vertical	Pass



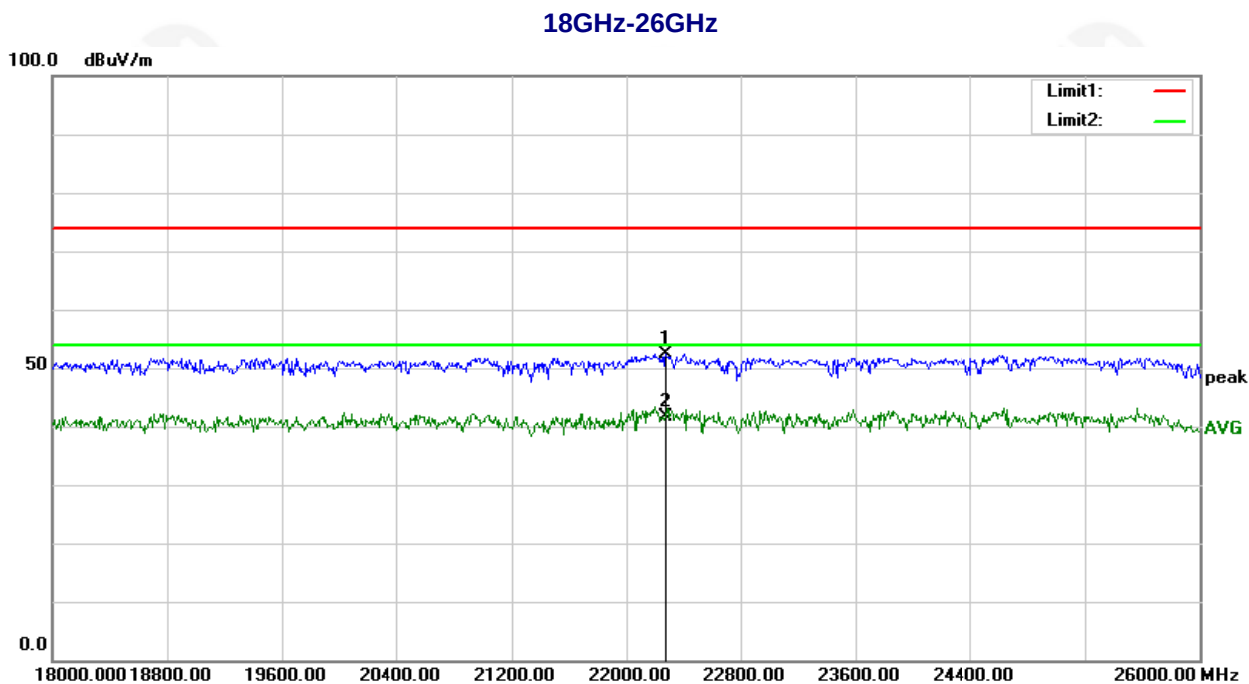
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	24112.000	47.77	4.65	52.42	74.00	-21.58	peak
2	24112.000	37.40	4.65	42.05	54.00	-11.95	AVG



High Channel
Horizontal
1GHz-18GHz



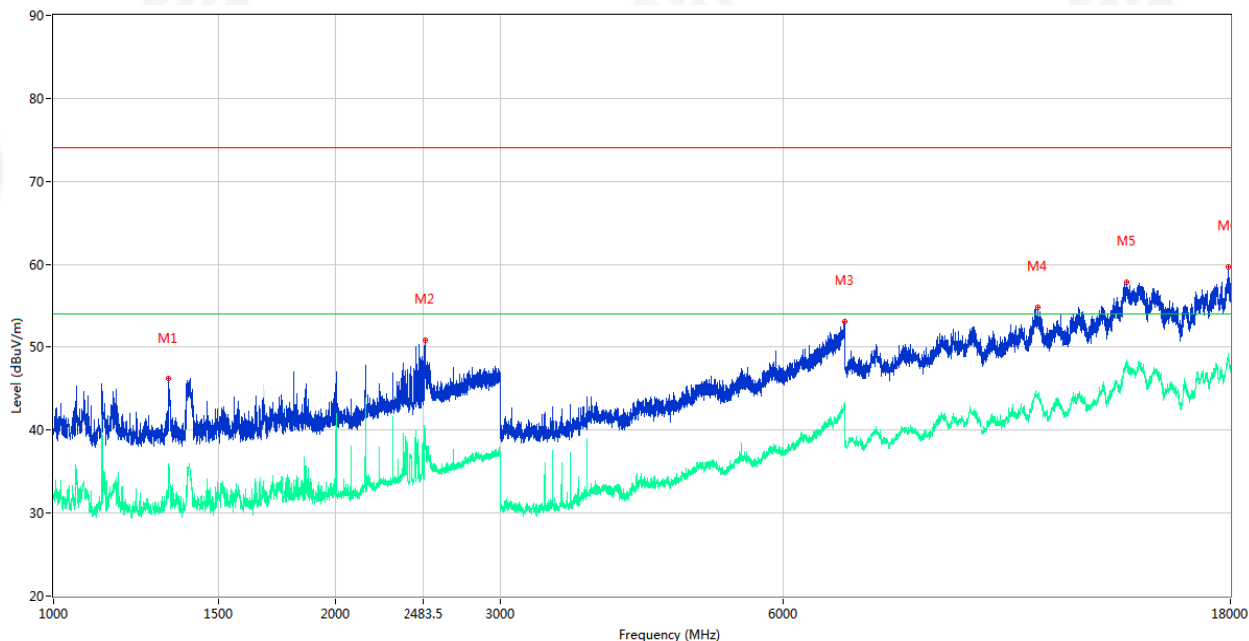
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1327.000	47.33	-1.29	74.0	-26.67	Peak	151.30	Horizontal	Pass
1**	1327.000	35.69	-1.29	54.0	-18.31	AV	151.30	Horizontal	Pass
2	2555.500	51.29	3.54	74.0	-22.71	Peak	66.10	Horizontal	Pass
2**	2555.500	44.02	3.54	54.0	-9.98	AV	66.10	Horizontal	Pass
3	6997.000	53.41	1.30	74.0	-20.59	Peak	220.70	Horizontal	Pass
3**	6997.000	42.95	1.30	54.0	-11.05	AV	220.70	Horizontal	Pass
4	11226.750	54.93	2.53	74.0	-19.07	Peak	215.30	Horizontal	Pass
4**	11226.750	43.96	2.53	54.0	-10.04	AV	215.30	Horizontal	Pass
5	15195.000	58.38	5.60	74.0	-15.62	Peak	261.80	Horizontal	Pass
5**	15195.000	46.92	5.60	54.0	-7.08	AV	261.80	Horizontal	Pass
6	17942.249	58.81	6.91	74.0	-15.19	Peak	359.10	Horizontal	Pass
6**	17942.249	48.04	6.91	54.0	-5.96	AV	359.10	Horizontal	Pass



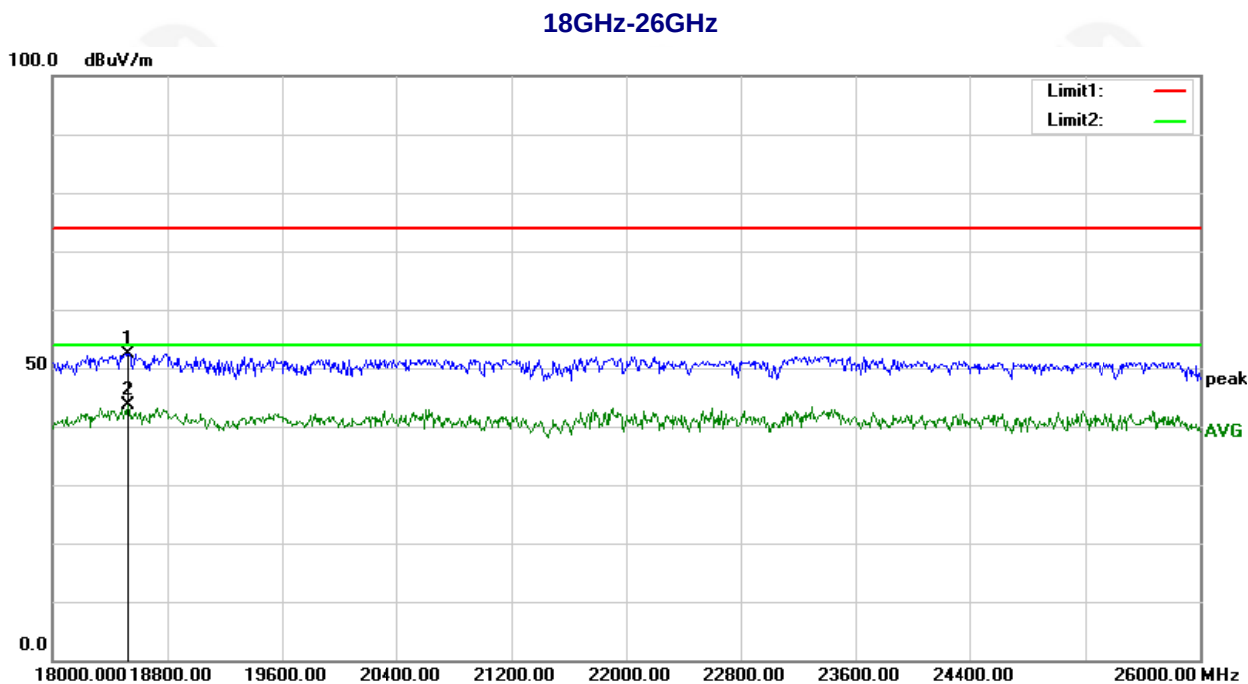
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	22272.000	48.67	3.68	52.35	74.00	-21.65	peak
2	22272.000	37.87	3.68	41.55	54.00	-12.45	AVG



Vertical
1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin-(dB)	Detector	Table (Degree)	Antenna	Verdict
1	1327.500	46.17	-1.29	74.0	-27.83	Peak	159.10	Vertical	Pass
1**	1327.500	36.00	-1.29	54.0	-18.00	AV	159.10	Vertical	Pass
2	2496.500	50.83	3.15	74.0	-23.17	Peak	155.10	Vertical	Pass
2**	2496.500	39.85	3.15	54.0	-14.15	AV	155.10	Vertical	Pass
3	6994.000	53.05	1.27	74.0	-20.95	Peak	322.00	Vertical	Pass
3**	6994.000	43.04	1.27	54.0	-10.96	AV	322.00	Vertical	Pass
4	11254.250	54.82	2.44	74.0	-19.18	Peak	163.60	Vertical	Pass
4**	11254.250	44.03	2.44	54.0	-9.97	AV	163.60	Vertical	Pass
5	14001.500	57.84	8.43	74.0	-16.16	Peak	27.10	Vertical	Pass
5**	14001.500	47.94	8.43	54.0	-6.06	AV	27.10	Vertical	Pass
6	17906.500	59.73	7.19	74.0	-14.27	Peak	5.40	Vertical	Pass
6**	17906.500	48.73	7.19	54.0	-5.27	AV	5.40	Vertical	Pass



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18528.000	50.26	2.22	52.48	74.00	-21.52	peak
2	18528.000	41.48	2.22	43.70	54.00	-10.30	AVG

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



5. RADIATED BANDEMISSIONMEASUREMENT

5.1 TEST REQUIREMENT

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10-2020+Cor 1-2023				
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above	Peak	1MHz	3MHz	Peak
	1GHz	Average	1MHz	3MHz	Average

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

5.2 TEST PROCEDURE

Above 1GHz test procedure as below:

- a. 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height varies from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise, the emissions that did not have 10dBmargin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the Highest channel

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst-case emissions were reported

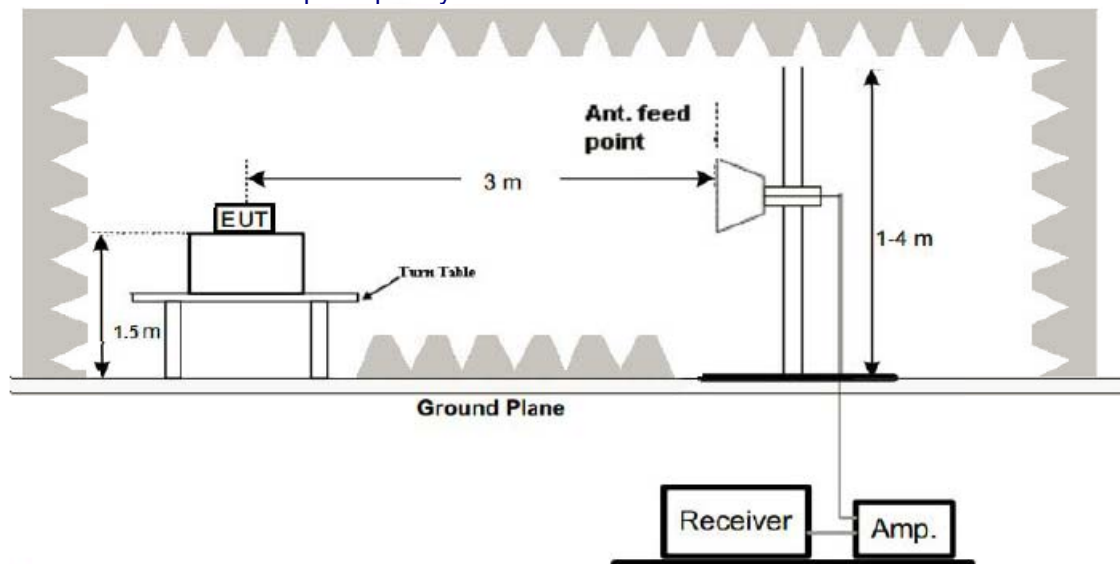


5.3 DEVIATION FROM TEST STANDARD

No deviation

5.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



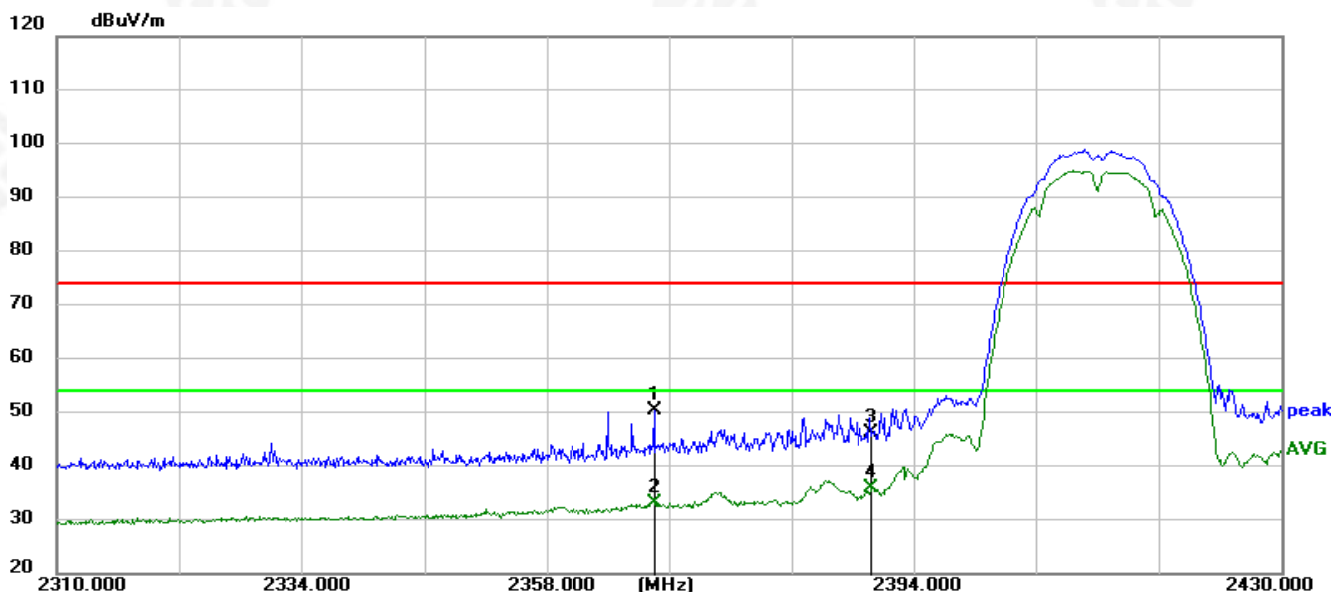
5.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 5.5 Unless otherwise a special operating condition is specified in the following during the testing.



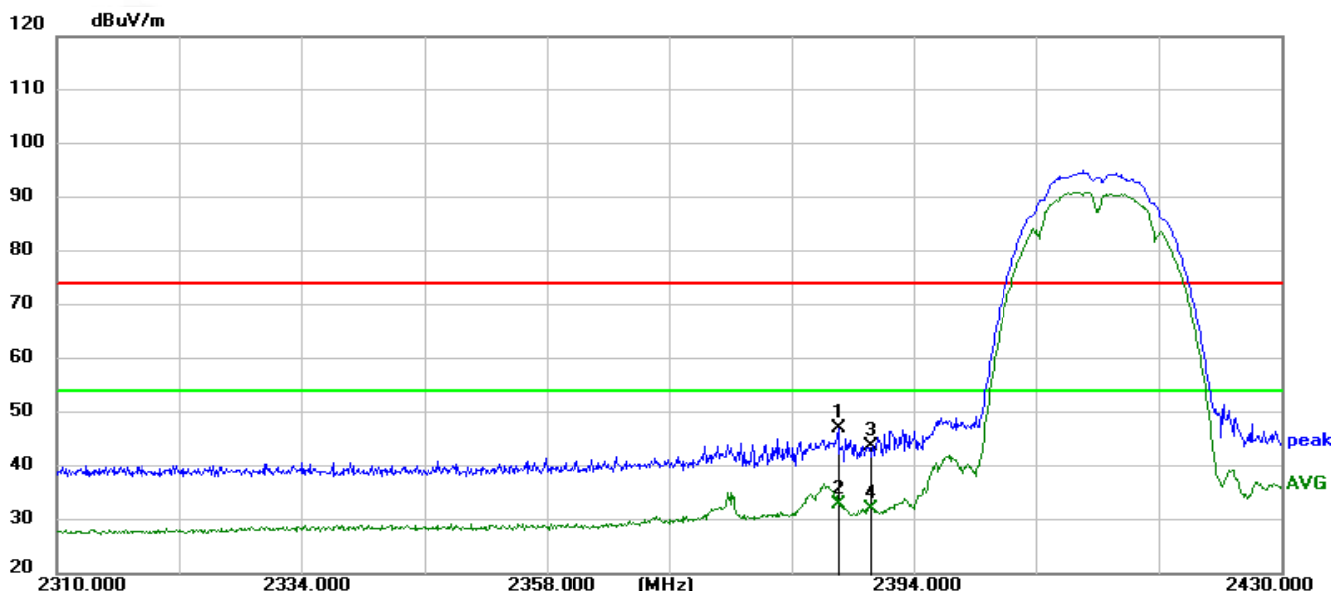
5.6 TEST RESULT

802.11b-L-H



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2388.5600	49.79	0.65	50.44	74.00	-23.56	peak	Pass
2	2388.5600	32.46	0.65	33.11	54.00	-20.89	AVG	Pass
3	2390.0000	45.43	0.81	46.24	74.00	-27.76	peak	Pass
4 *	2390.0000	35.19	0.81	36.00	54.00	-18.00	AVG	Pass

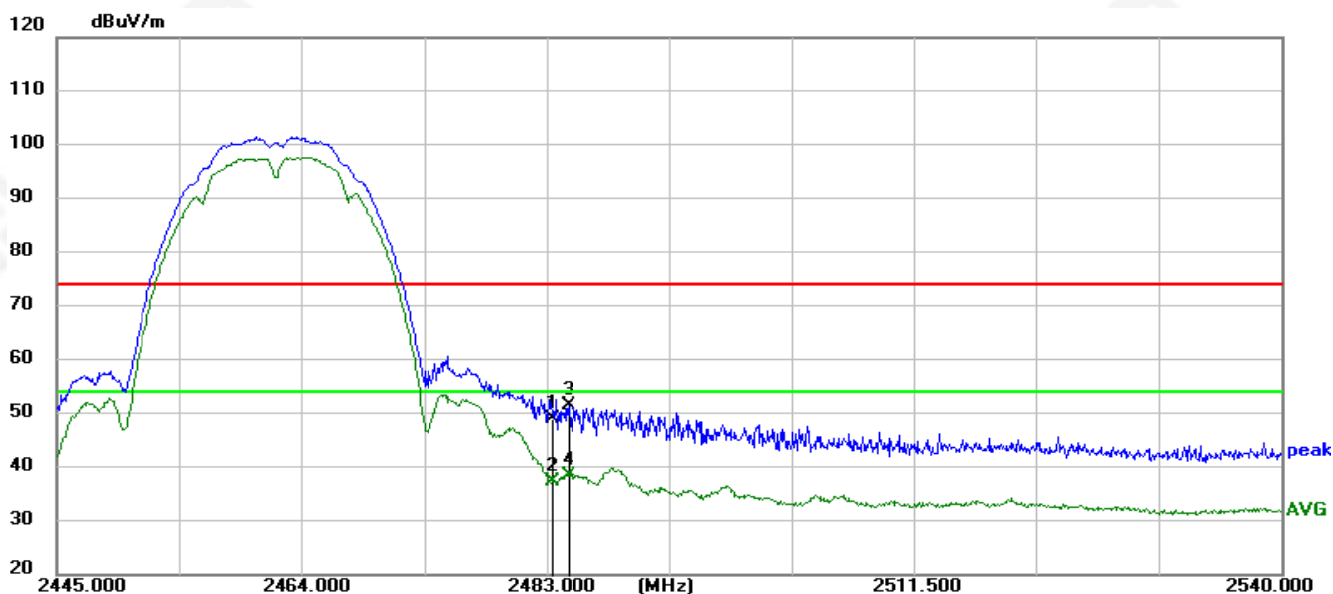
802.11b-L-V



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2386.5600	46.37	0.78	47.15	74.00	-26.85	peak	Pass
2 *	2386.5600	32.27	0.78	33.05	54.00	-20.95	AVG	Pass
3	2390.0000	43.04	0.81	43.85	74.00	-30.15	peak	Pass
4	2390.0000	31.29	0.81	32.10	54.00	-21.90	AVG	Pass

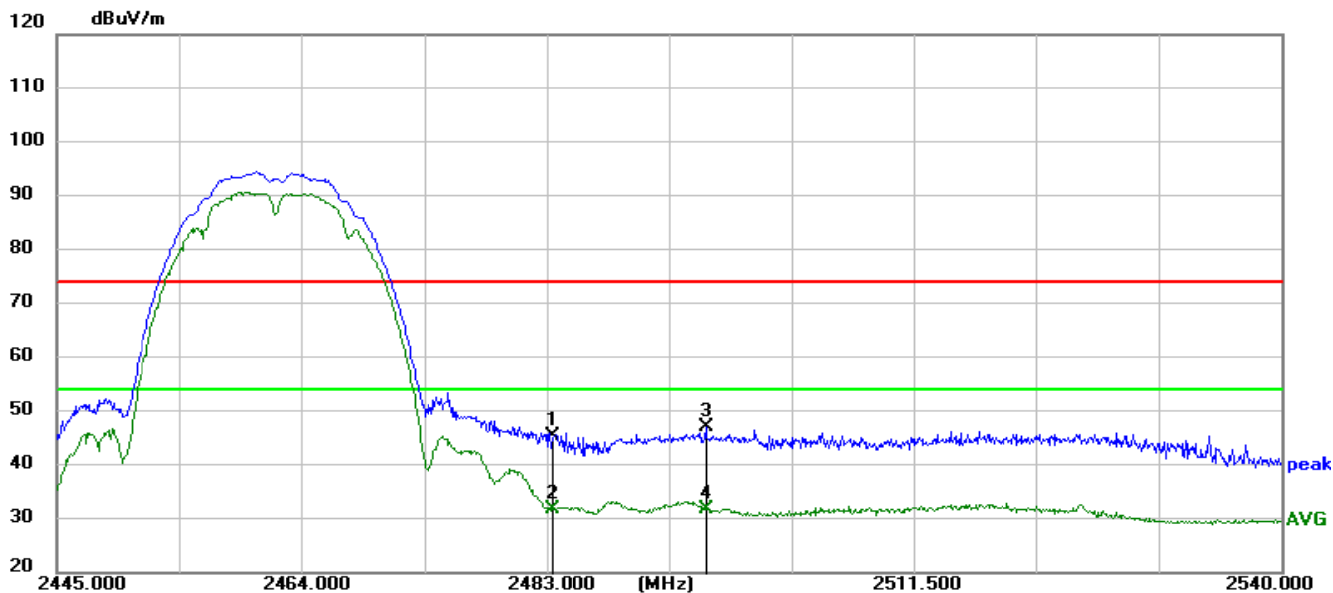


802.11b-H-H



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2483.5000	47.92	1.02	48.94	74.00	-25.06	peak	Pass
2	2483.5000	36.25	1.02	37.27	54.00	-16.73	AVG	Pass
3	2484.7100	50.56	1.03	51.59	74.00	-22.41	peak	Pass
4 *	2484.7100	37.39	1.03	38.42	54.00	-15.58	AVG	Pass

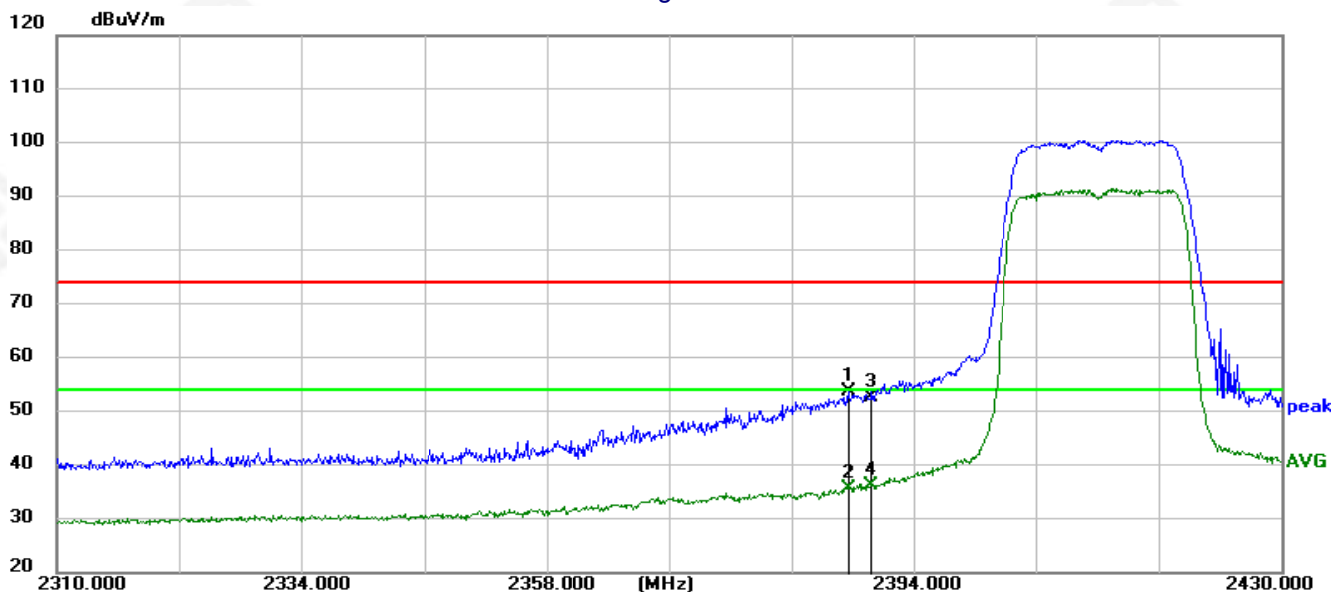
802.11b-H-V



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2483.5000	44.51	1.02	45.53	74.00	-28.47	peak	Pass
2 *	2483.5000	30.92	1.02	31.94	54.00	-22.06	AVG	Pass
3	2495.3500	46.04	1.04	47.08	74.00	-26.92	peak	Pass
4	2495.3500	30.78	1.04	31.82	54.00	-22.18	AVG	Pass

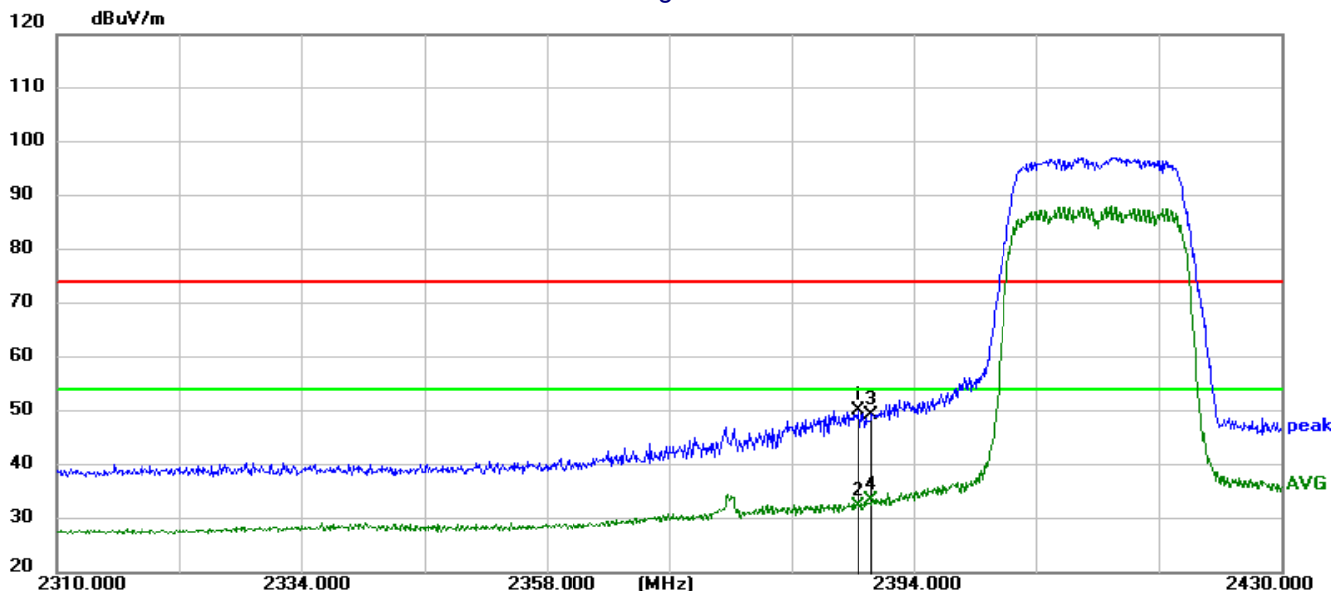


802.11g-L-H



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2387.5200	52.86	0.79	53.65	74.00	-20.35	peak	Pass
2	2387.5200	35.01	0.79	35.80	54.00	-18.20	AVG	Pass
3	2390.0000	51.81	0.81	52.62	74.00	-21.38	peak	Pass
4 *	2390.0000	35.31	0.81	36.12	54.00	-17.88	AVG	Pass

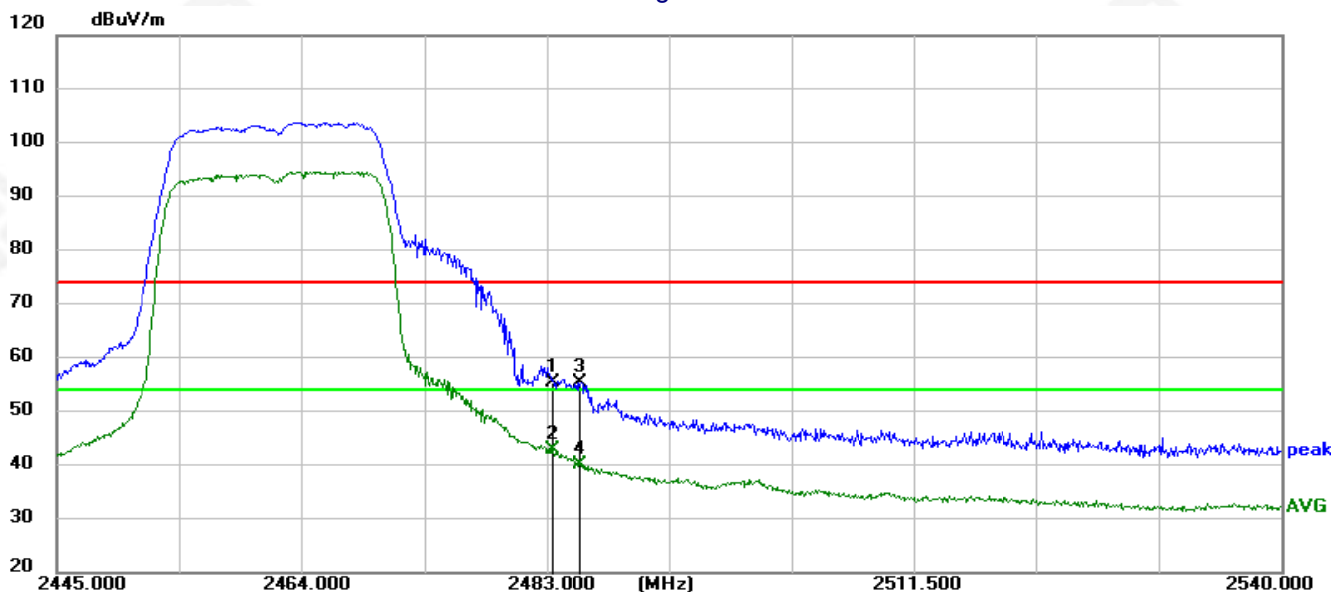
802.11g-L-V



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2388.6000	49.43	0.80	50.23	74.00	-23.77	peak	Pass
2	2388.6000	31.69	0.80	32.49	54.00	-21.51	AVG	Pass
3	2390.0000	48.44	0.81	49.25	74.00	-24.75	peak	Pass
4 *	2390.0000	32.57	0.81	33.38	54.00	-20.62	AVG	Pass

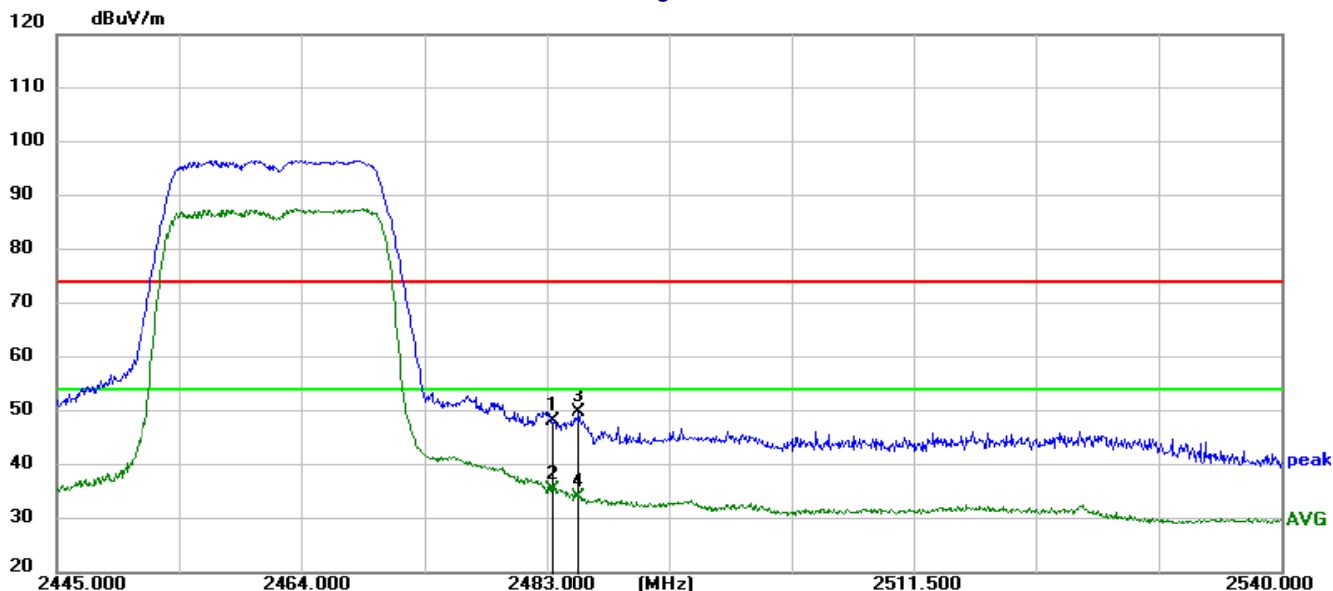


802.11g-H-H



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2483.5000	54.39	1.02	55.41	74.00	-18.59	peak	Pass
2 *	2483.5000	41.96	1.02	42.98	54.00	-11.02	AVG	Pass
3	2485.7549	54.51	1.02	55.53	74.00	-18.47	peak	Pass
4	2485.7549	39.07	1.02	40.09	54.00	-13.91	AVG	Pass

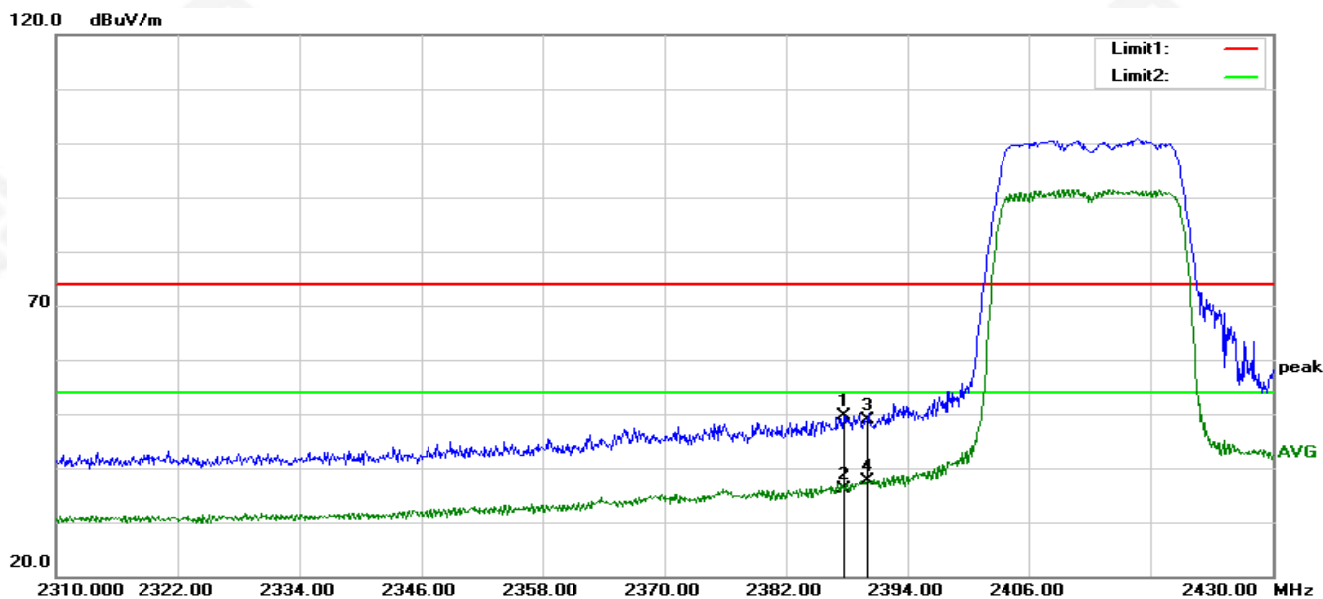
802.11g-H-V



No.	Frequency (MHz)	Reading Level()	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Pass/Fail
1	2483.5000	47.25	1.02	48.27	74.00	-25.73	peak	Pass
2 *	2483.5000	34.36	1.02	35.38	54.00	-18.62	AVG	Pass
3	2485.5650	48.83	1.02	49.85	74.00	-24.15	peak	Pass
4	2485.5650	33.14	1.02	34.16	54.00	-19.84	AVG	Pass

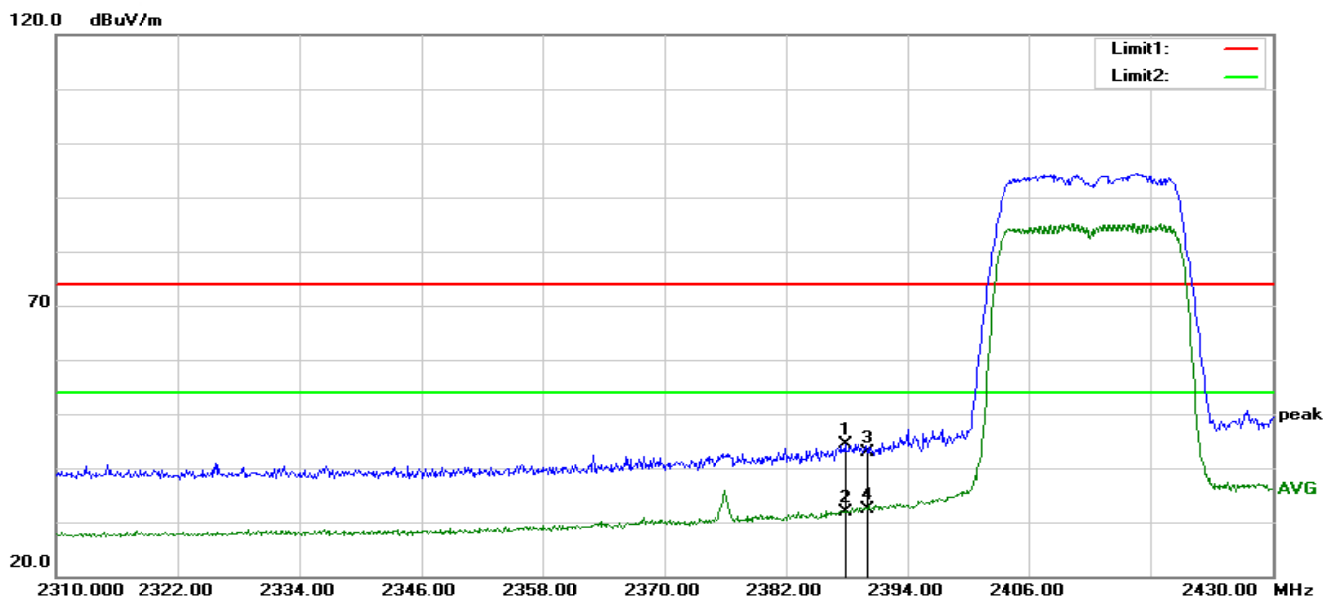


802.11n20-L-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.640	48.92	0.79	49.71	74.00	-24.29	peak
2	2387.640	35.39	0.79	36.18	54.00	-17.82	AVG
3	2390.000	48.10	0.81	48.91	74.00	-25.09	peak
4	2390.000	36.85	0.81	37.66	54.00	-16.34	AVG

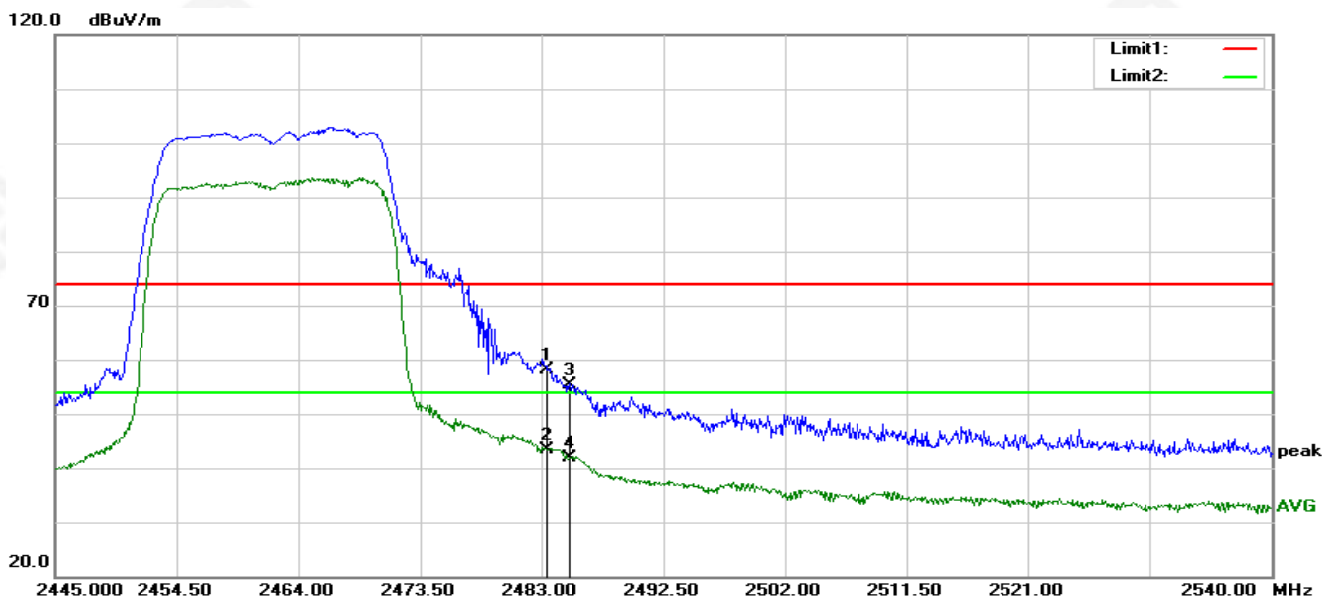
802.11n20-L-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.760	43.63	0.79	44.42	74.00	-29.58	peak
2	2387.760	30.99	0.79	31.78	54.00	-22.22	AVG
3	2390.000	42.09	0.81	42.90	74.00	-31.10	peak
4	2390.000	31.55	0.81	32.36	54.00	-21.64	AVG

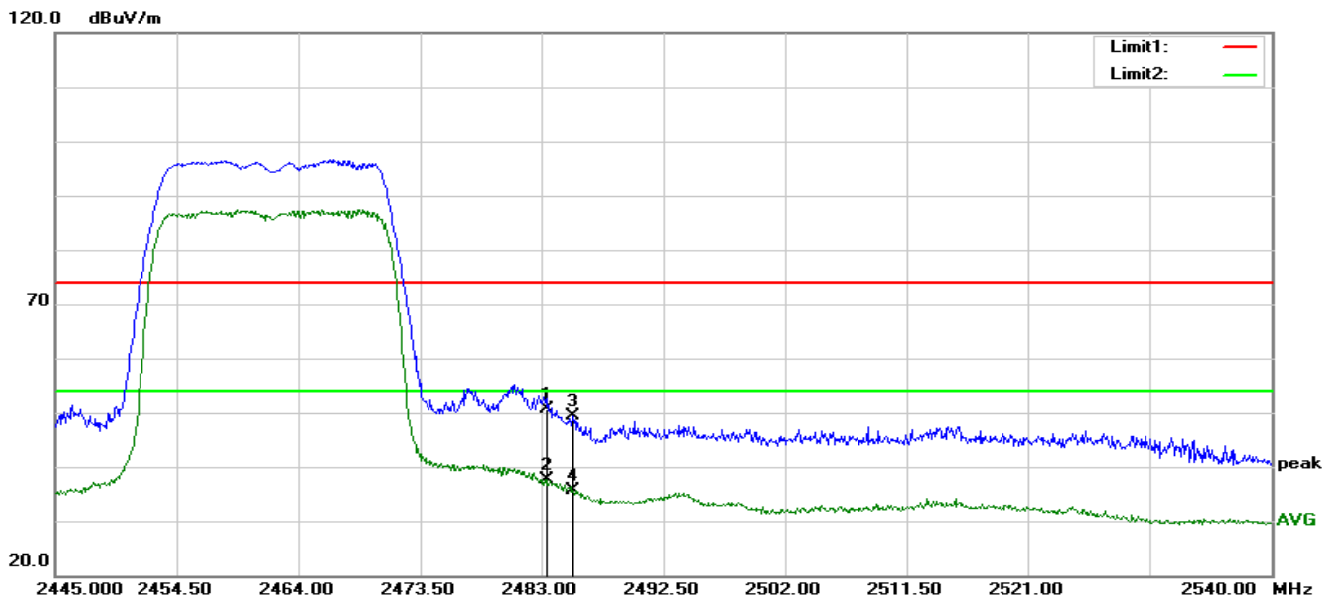


802.11n20-H-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.14	1.02	58.16	74.00	-15.84	peak
2	2483.500	42.47	1.02	43.49	54.00	-10.51	AVG
3	2485.185	54.47	1.03	55.50	74.00	-18.50	peak
4	2485.185	40.87	1.03	41.90	54.00	-12.10	AVG

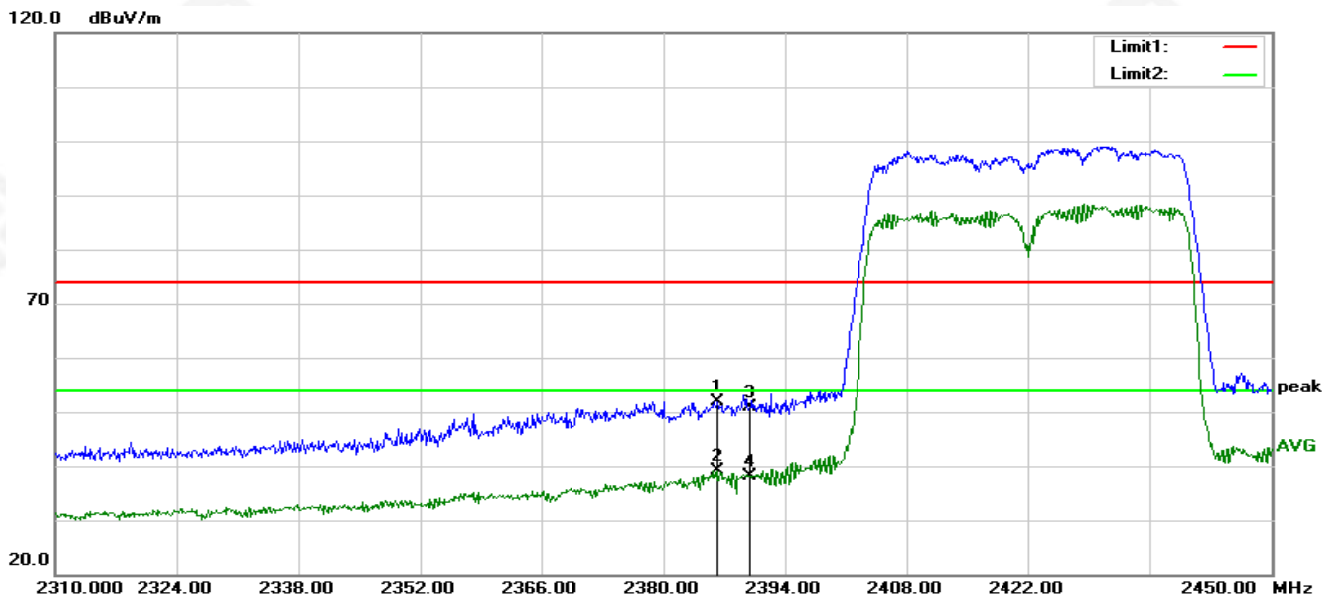
802.11n20-H-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	49.54	1.02	50.56	74.00	-23.44	peak
2	2483.500	36.59	1.02	37.61	54.00	-16.39	AVG
3	2485.470	48.45	1.02	49.47	74.00	-24.53	peak
4	2485.470	34.70	1.02	35.72	54.00	-18.28	AVG

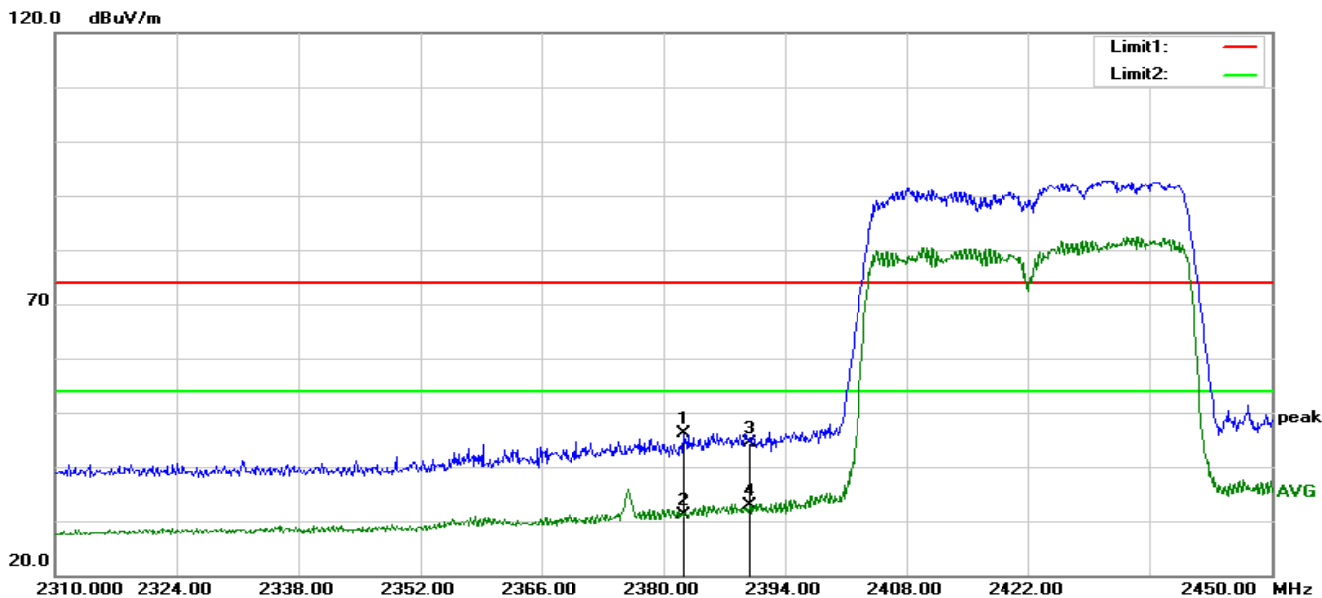


802.11n40-L-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.300	51.10	0.78	51.88	74.00	-22.12	peak
2	2386.300	38.42	0.78	39.20	54.00	-14.80	AVG
3	2390.000	50.12	0.81	50.93	74.00	-23.07	peak
4	2390.000	37.20	0.81	38.01	54.00	-15.99	AVG

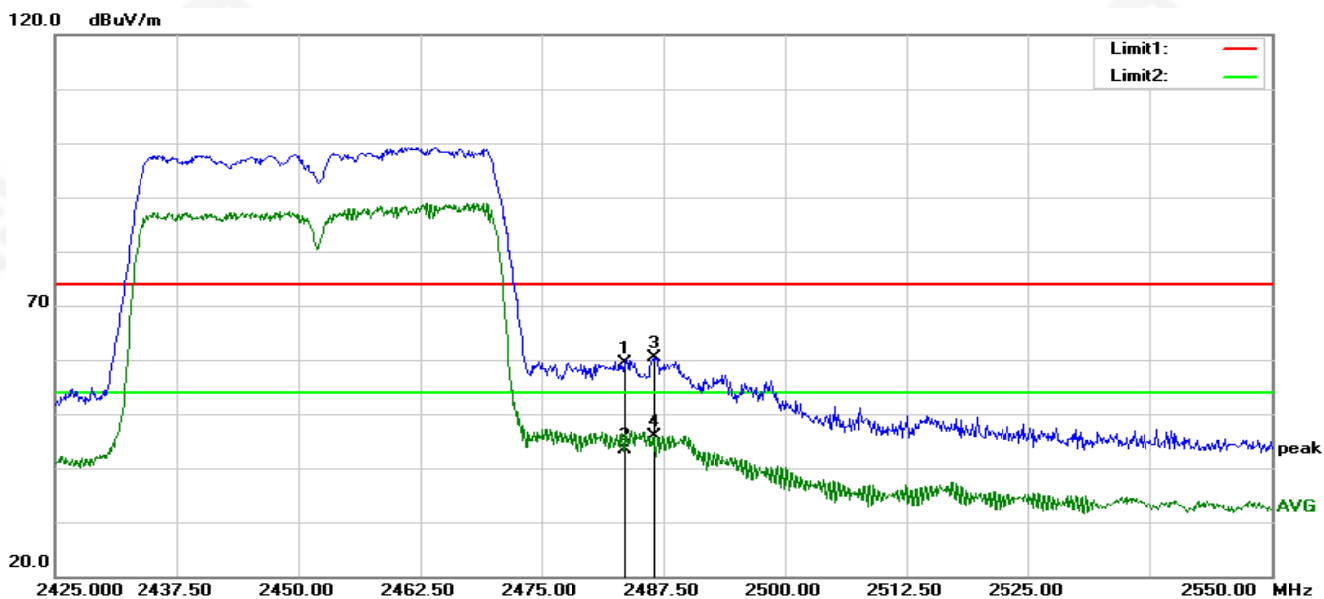
802.11n40-L-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2382.240	45.50	0.75	46.25	74.00	-27.75	peak
2	2382.240	30.48	0.75	31.23	54.00	-22.77	AVG
3	2390.000	43.48	0.81	44.29	74.00	-29.71	peak
4	2390.000	32.07	0.81	32.88	54.00	-21.12	AVG

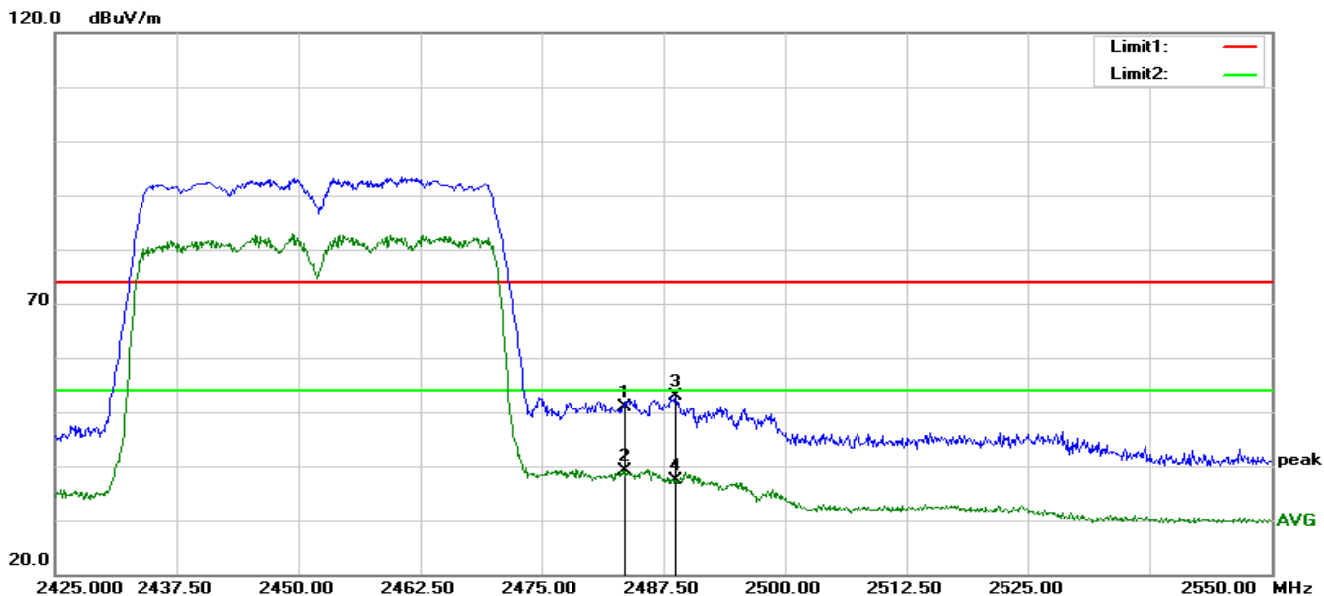


802.11n40-H-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.24	1.02	59.26	74.00	-14.74	peak
2	2483.500	42.37	1.02	43.39	54.00	-10.61	AVG
3	2486.625	59.41	1.02	60.43	74.00	-13.57	peak
4	2486.625	44.78	1.02	45.80	54.00	-8.20	AVG

802.11n40-H-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	49.75	1.02	50.77	74.00	-23.23	peak
2	2483.500	38.16	1.02	39.18	54.00	-14.82	AVG
3	2488.750	51.73	1.03	52.76	74.00	-21.24	peak
4	2488.750	36.42	1.03	37.45	54.00	-16.55	AVG



6. POWER SPECTRAL DENSITY TEST

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8dBm/3kHz	2400-2483.5	PASS

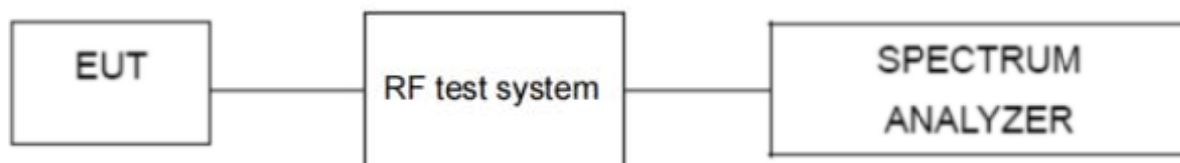
6.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 6.4 Unless otherwise a special operating condition is specified in the following during the testing.

6.6 TEST RESULT

Note: Refer to ANNEX I for the test data.



7. 6DB OCCUPIED BANDWIDTH

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB Occupied Bandwidth)	2400-2483.5	PASS

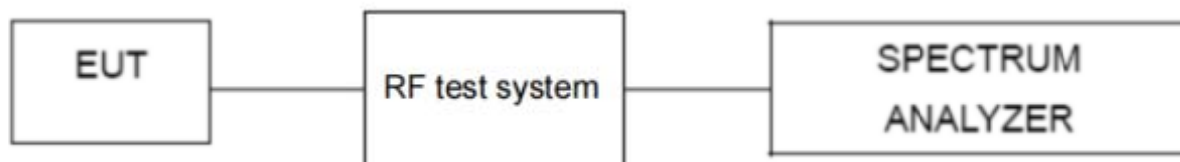
7.2 TEST PROCEDURE

1. Set RBW = 1%~5%OBW.
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 7.4 Unless otherwise a special operating condition is specified in the following during the testing.

7.6 TEST RESULT

Note: Refer to ANNEX I for the test data.



8. PEAK OUTPUT POWER TEST

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

8.1 APPLIED PROCEDURES/LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

8.2 TEST PROCEDURE

- The EUT was directly connected to the Power meter

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 8.4 Unless otherwise a special operating condition is specified in the following during the testing.

8.6 TEST RESULT

Note: Refer to ANNEX I for the test data.



9. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

9.1 APPLICABLE STANDARD

in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in§15.205(a), must also comply with the radiated emission limits specified in15.209(a).

9.2 TEST PROCEDURE

A. Reference level measurement, establish a reference level by using the following procedure:

- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW = $[3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

B. Emission level measurement, establish an emission level by using the following procedure:

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW = $[3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

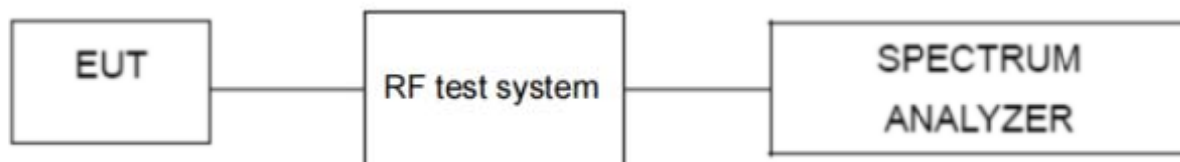
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

9.3 DEVIATION FROM STANDARD



No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 9.4 Unless otherwise a special operating condition is specified in the follows during the testing.

9.6 TEST RESULTS

Note: Refer to ANNEX I for the test data.



DUTY CYCLE

Test Method:	ANSI C63.10-2020+Cor 1-2023
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10.1 APPLIED PROCEDURES / LIMIT

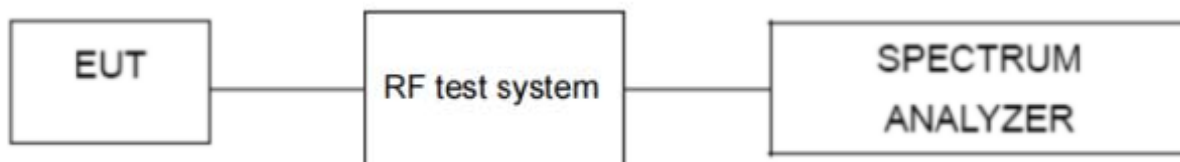
Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

- A diode detector and an oscilloscope that together have a sufficiently short response time to permit accurate measurements of the ON and OFF times of the transmitted signal.
- The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
 - Set the center frequency of the instrument to the center frequency of the transmission.
 - Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
 - Set $VBW \geq RBW$. Set detector = peak or average.
 - The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if $T \leq 16.7 \mu s$.)

10.2 DEVIATION FROM STANDARD

No deviation.

10.3 TEST SETUP



10.4 TEST RESULTS

Note: Refer to ANNEX I for the test data.



11. ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203 /247(c)	
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.		
EUT Antenna:		
The antenna is Rod Antenna uses a unique coupling, the best case gain of the antenna is 3.02dBi, reference to the appendix II for details.		



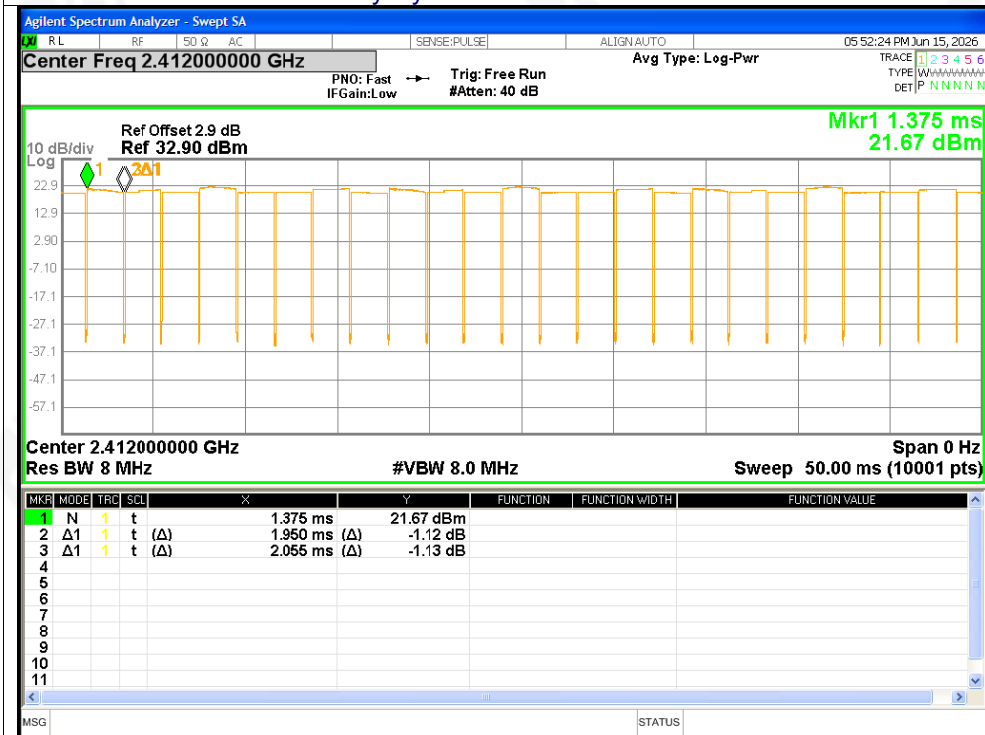
12. ANNEX I-TEST DATA

Duty Cycle

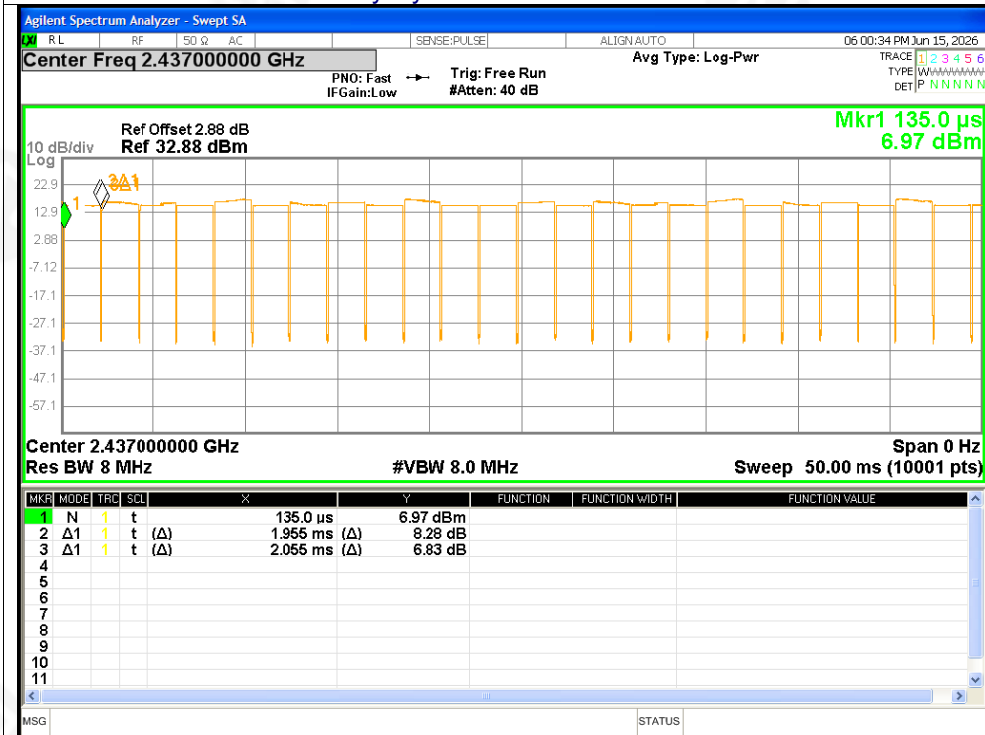
Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	1.95	2.055	94.89	0.23	0.51
NVNT	b	2437	1.955	2.055	95.13	0.22	0.51
NVNT	b	2462	1.955	2.055	95.13	0.22	0.51
NVNT	g	2412	0.336	0.438	76.71	1.15	2.98
NVNT	g	2437	0.336	0.438	76.71	1.15	2.98
NVNT	g	2462	0.336	0.438	76.71	1.15	2.98
NVNT	n20	2412	0.324	0.426	76.06	1.19	3.09
NVNT	n20	2437	0.324	0.426	76.06	1.19	3.09
NVNT	n20	2462	0.325	0.427	76.11	1.19	3.08
NVNT	n40	2422	0.176	0.428	41.12	3.86	5.68
NVNT	n40	2437	0.176	0.429	41.03	3.87	5.68
NVNT	n40	2452	0.177	0.429	41.26	3.84	5.65

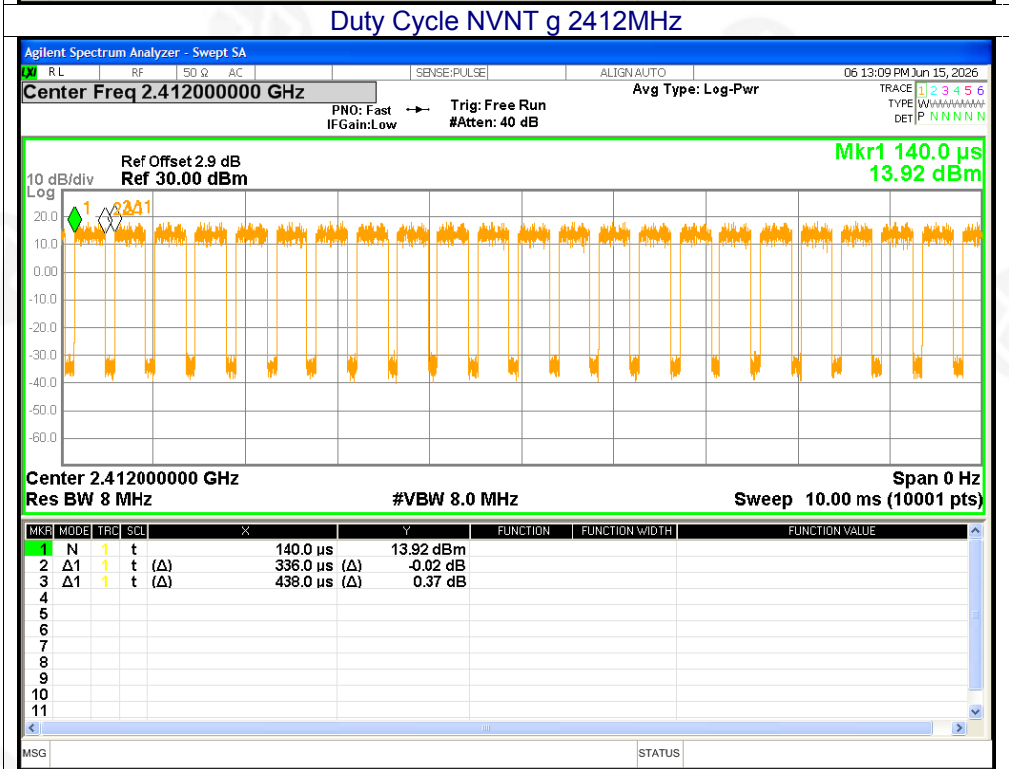
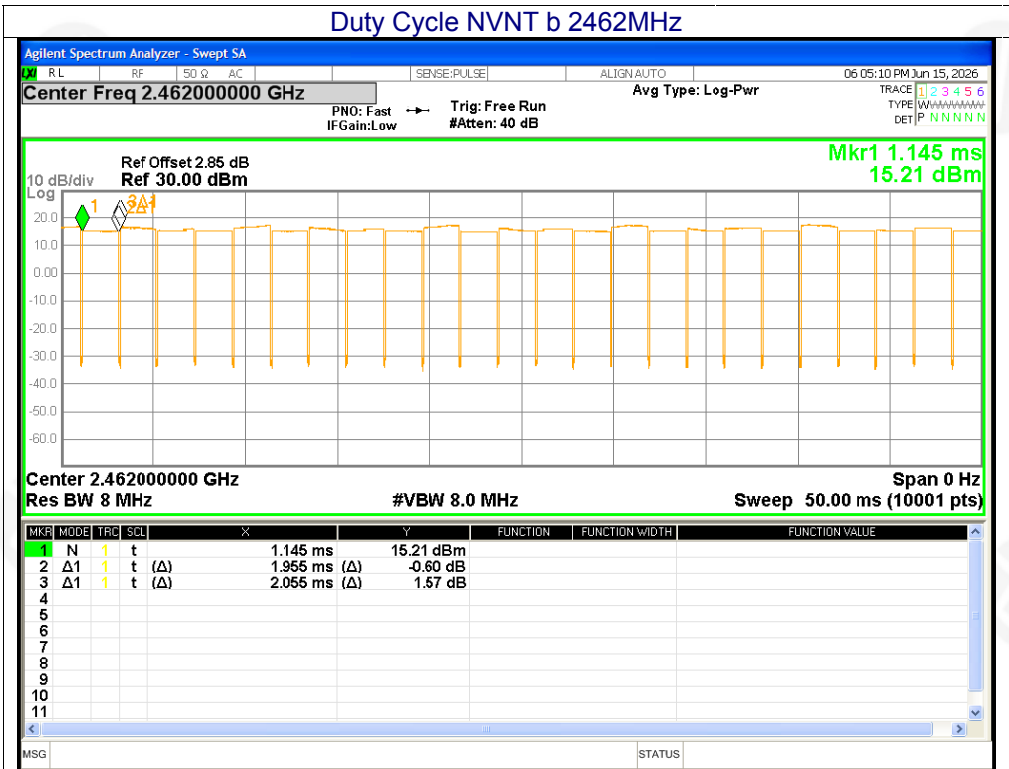


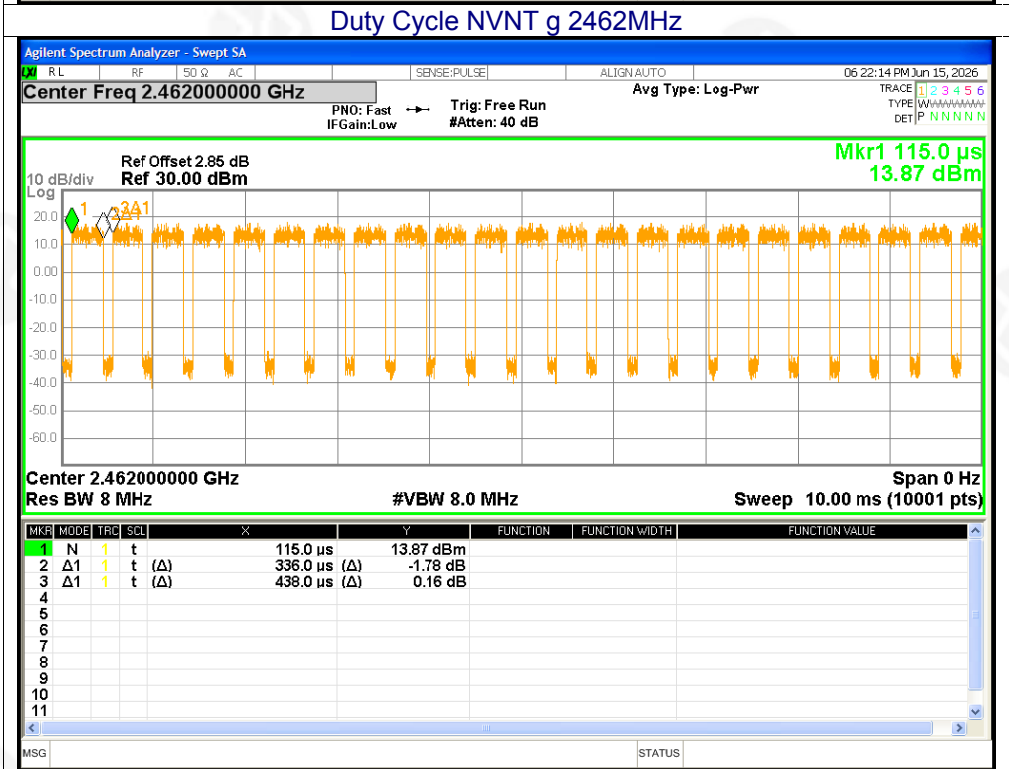
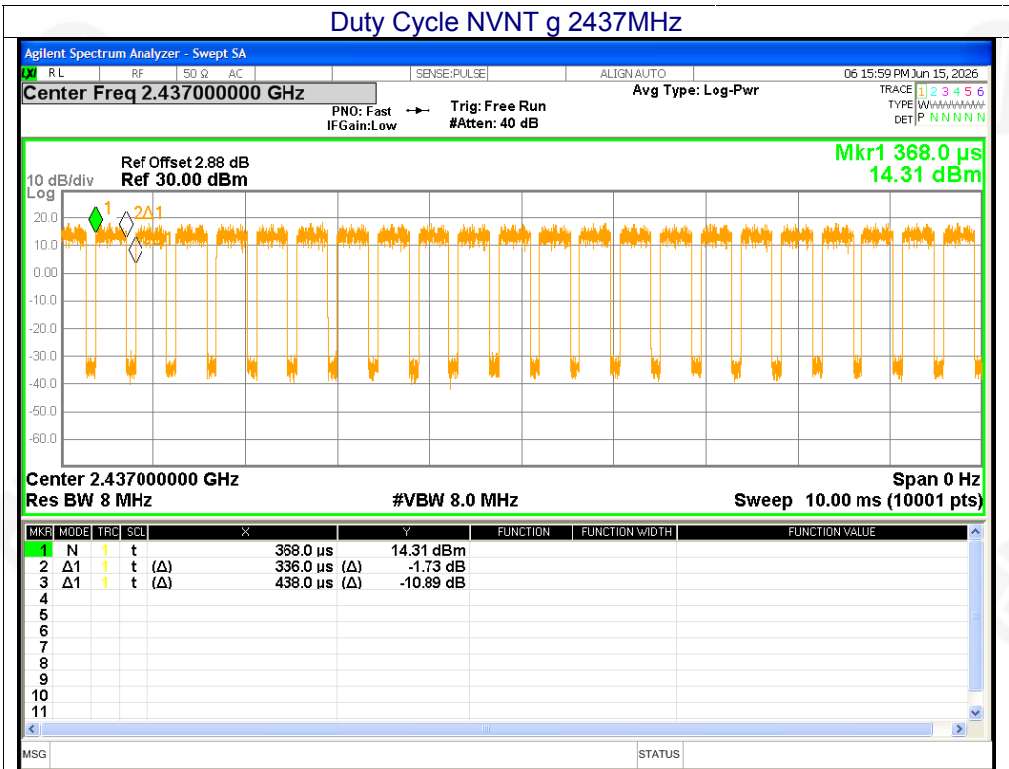
Test Graphs Duty Cycle NVNT b 2412MHz



Duty Cycle NVNT b 2437MHz

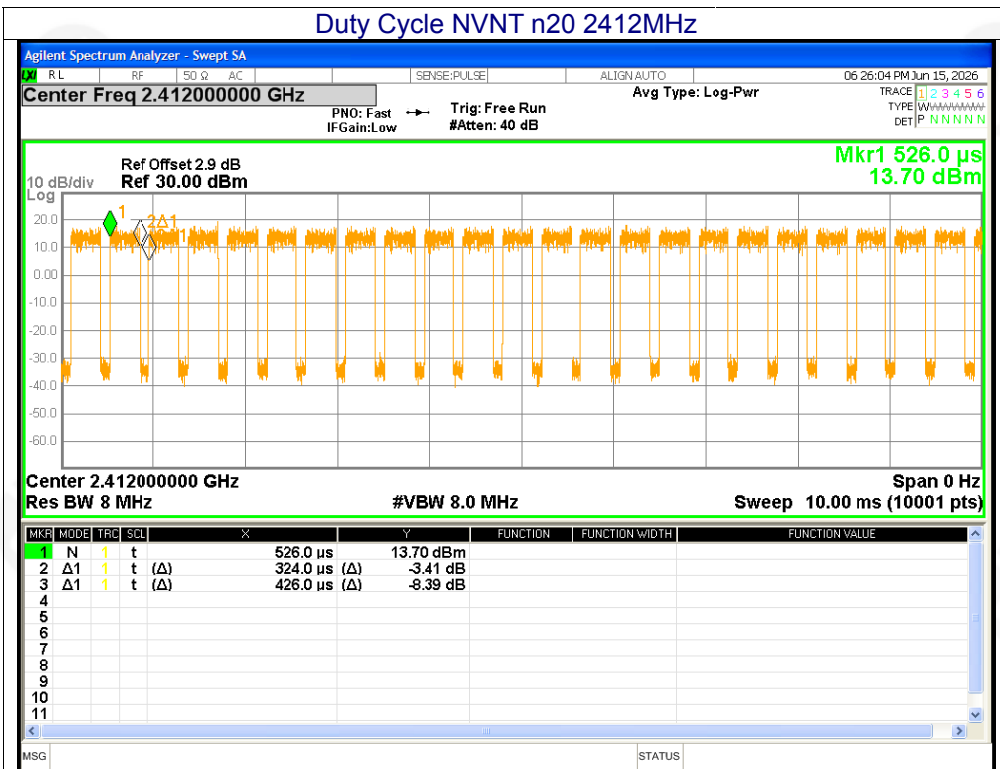




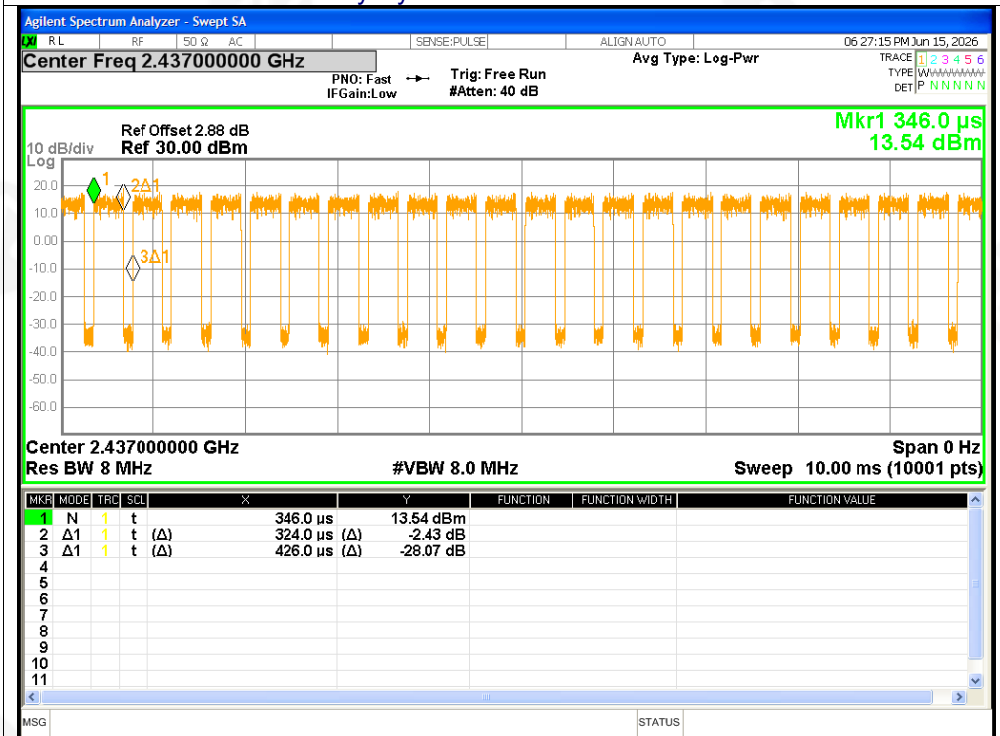




Duty Cycle NVNT n20 2412MHz

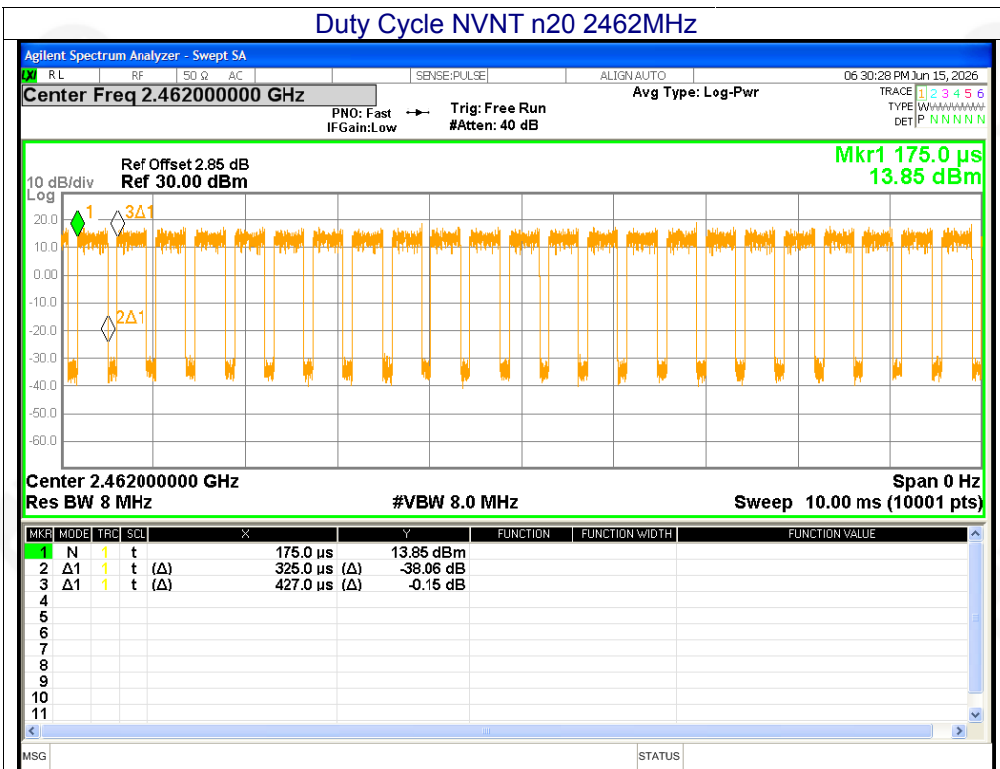


Duty Cycle NVNT n20 2437MHz

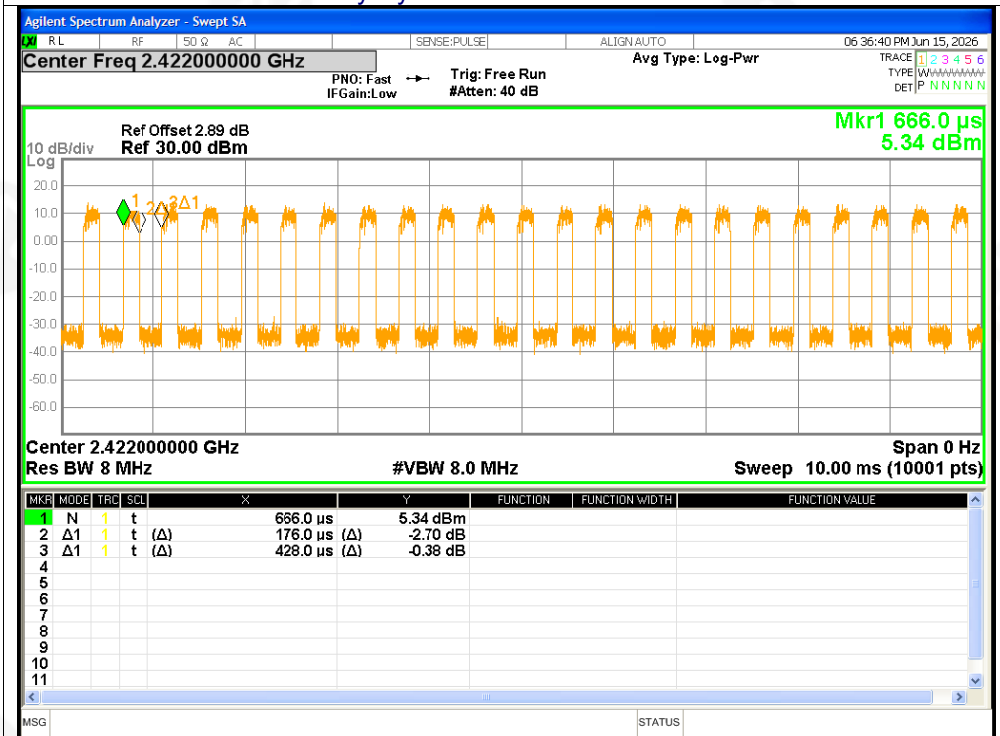




Duty Cycle NVNT n20 2462MHz

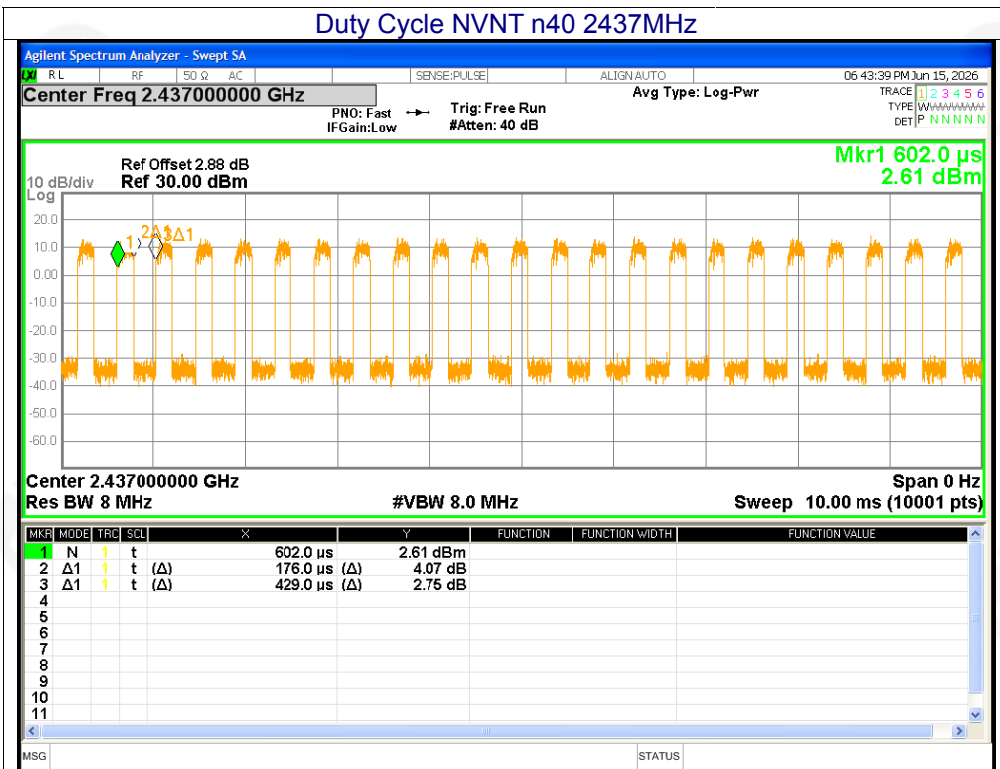


Duty Cycle NVNT n40 2422MHz

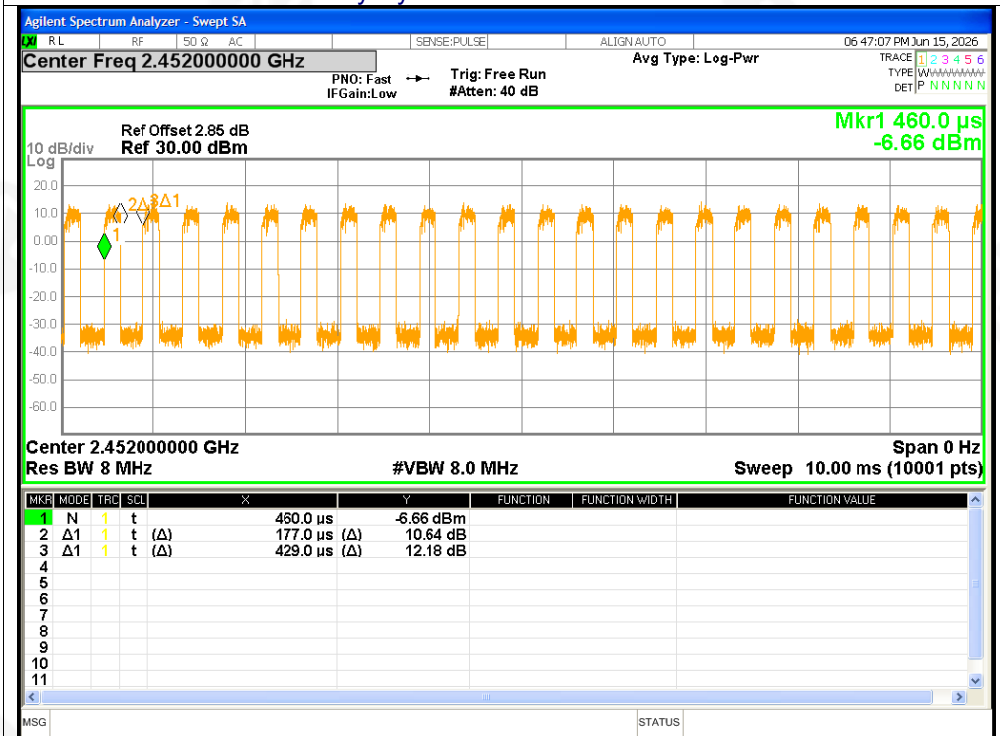




Duty Cycle NVNT n40 2437MHz



Duty Cycle NVNT n40 2452MHz





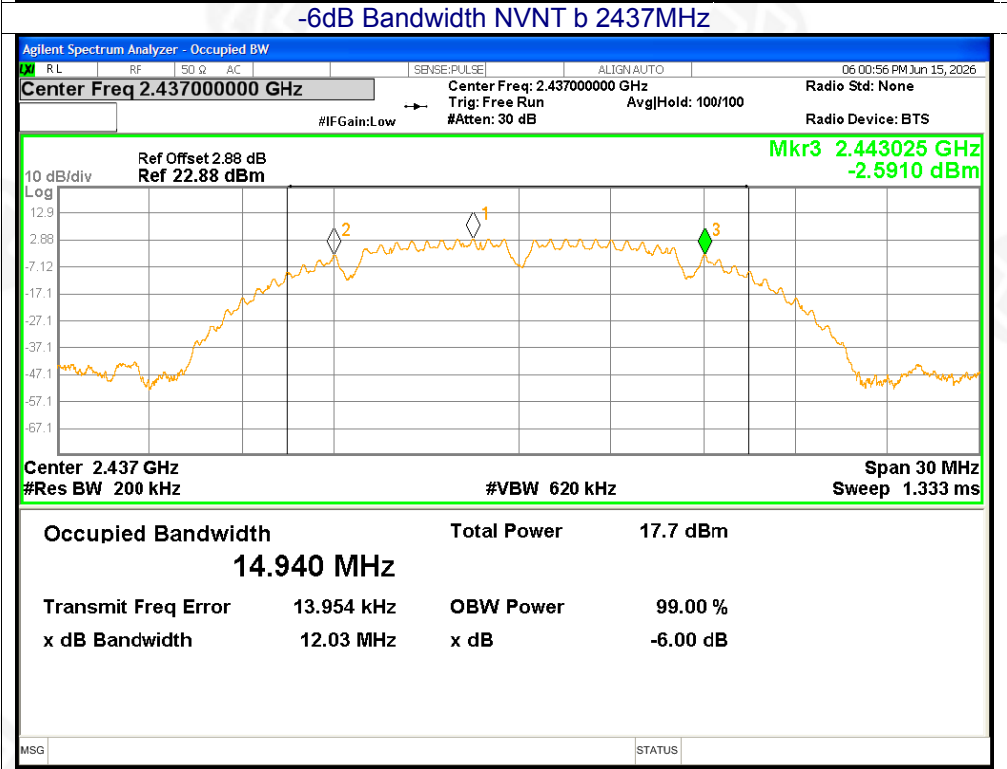
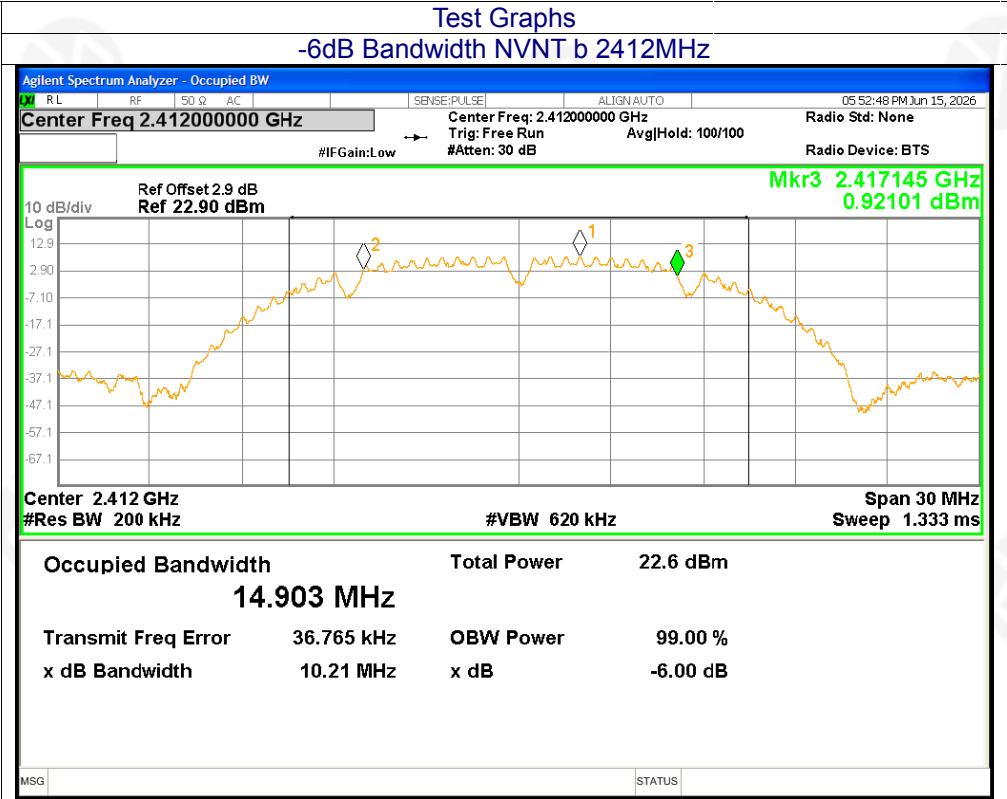
Maximum Peak Conducted Output Power

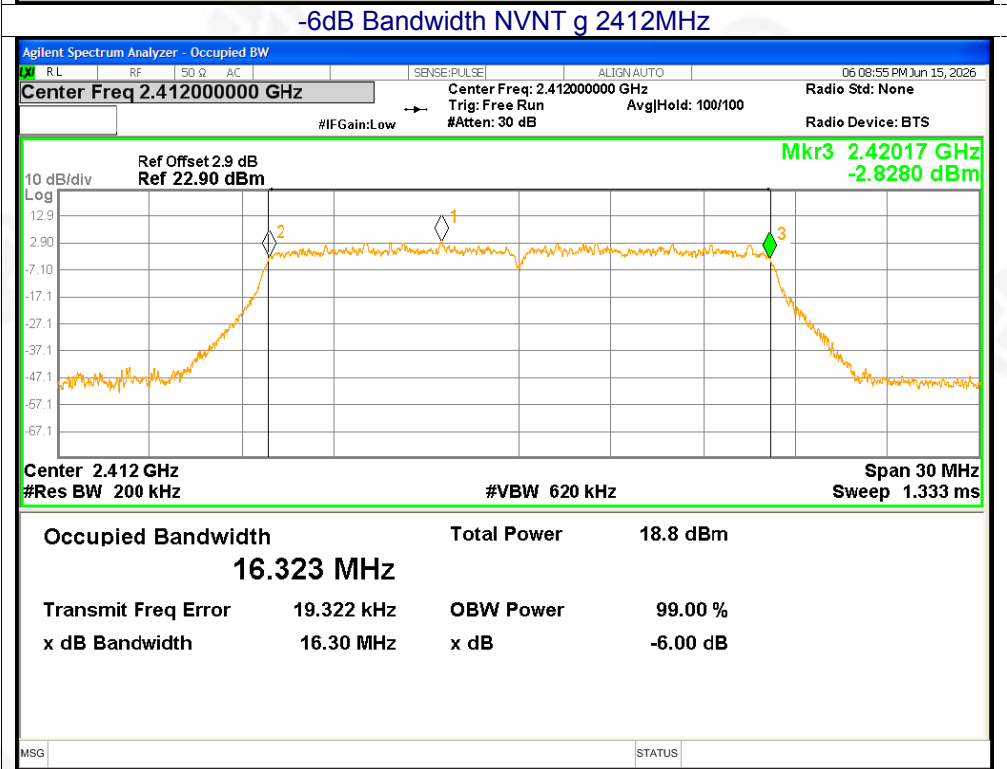
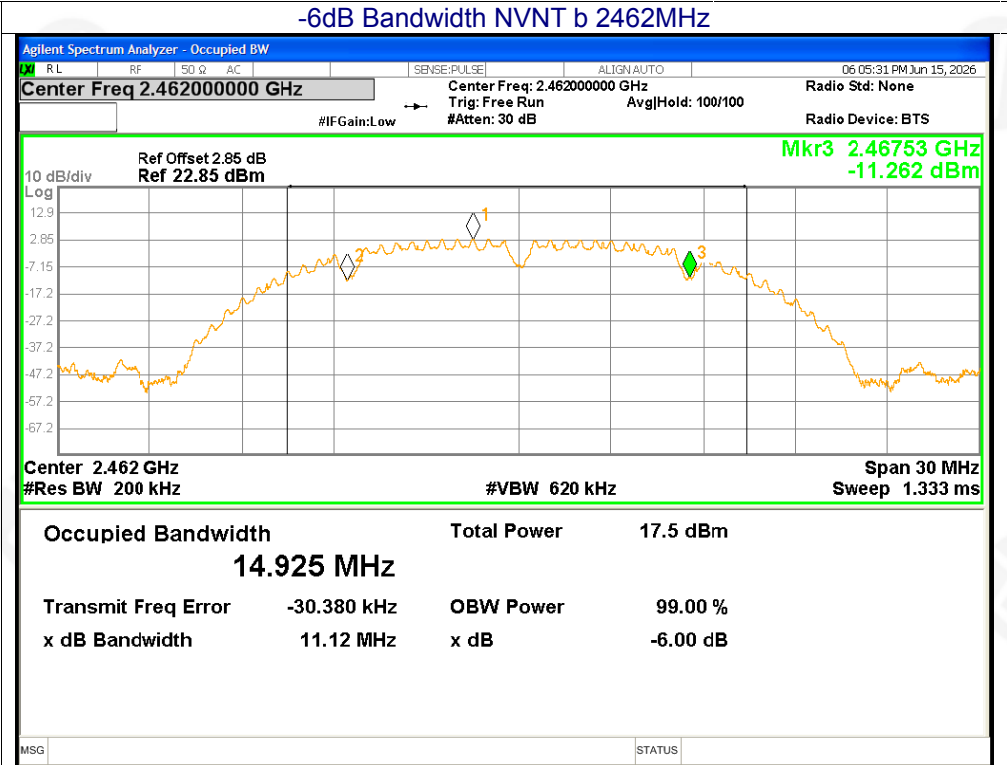
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	17.97	<=30	Pass
NVNT	b	2437	18.05	<=30	Pass
NVNT	b	2462	17.76	<=30	Pass
NVNT	g	2412	18.38	<=30	Pass
NVNT	g	2437	18.38	<=30	Pass
NVNT	g	2462	18.1	<=30	Pass
NVNT	n20	2412	18.52	<=30	Pass
NVNT	n20	2437	18.43	<=30	Pass
NVNT	n20	2462	18.23	<=30	Pass
NVNT	n40	2422	17.62	<=30	Pass
NVNT	n40	2437	17.69	<=30	Pass
NVNT	n40	2452	17.61	<=30	Pass

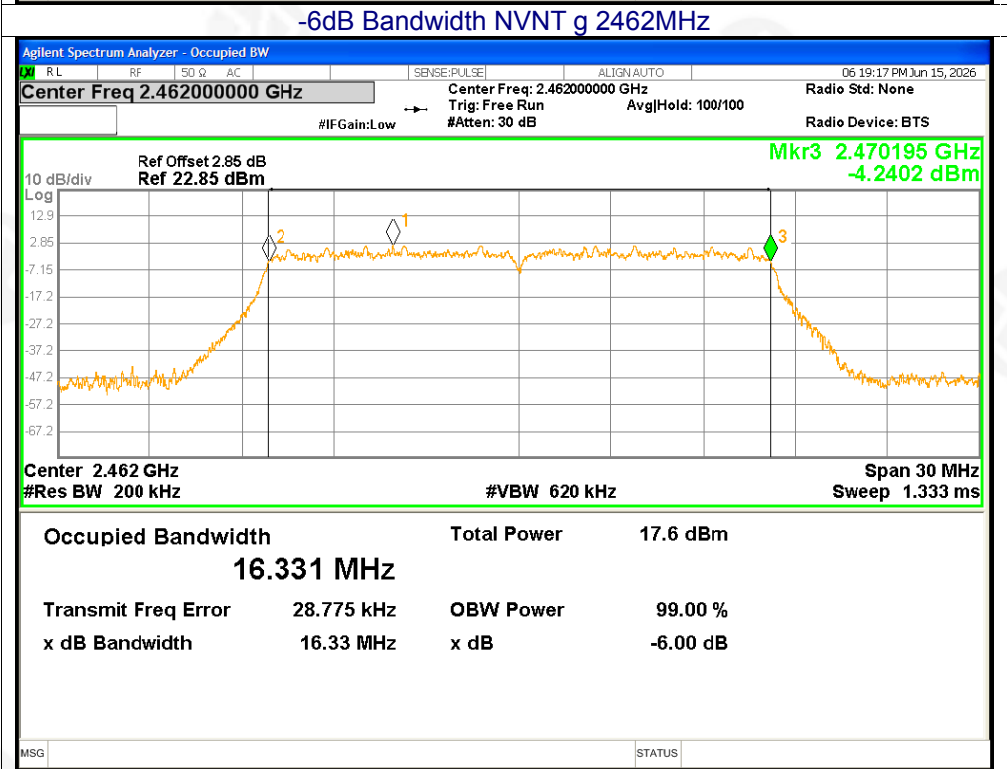
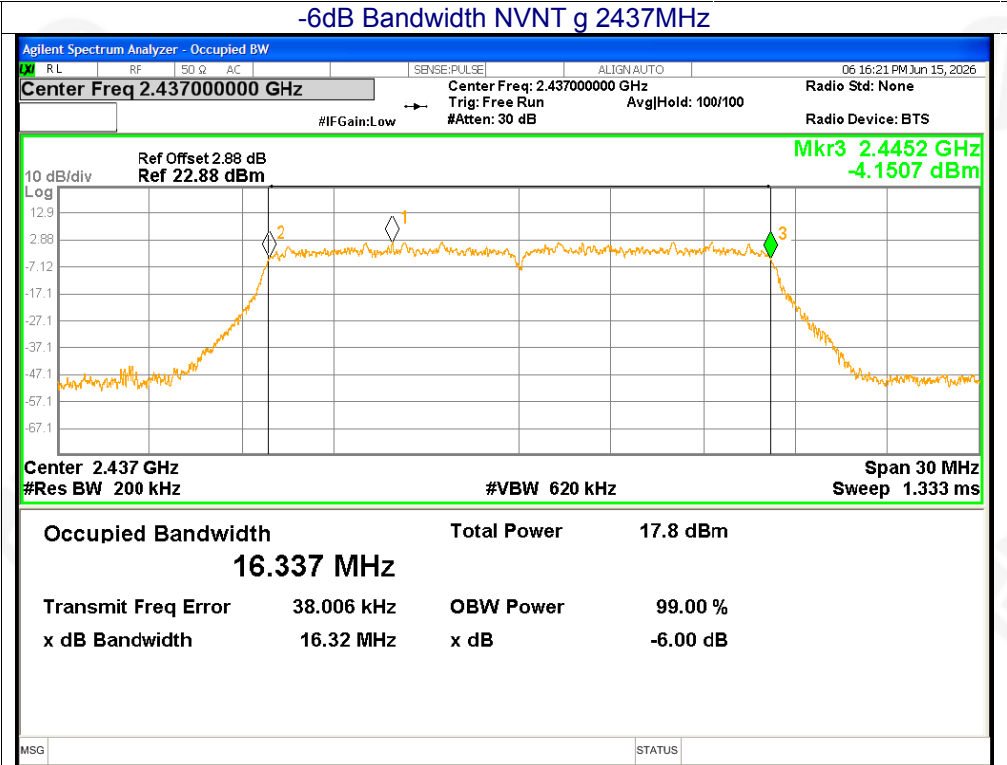


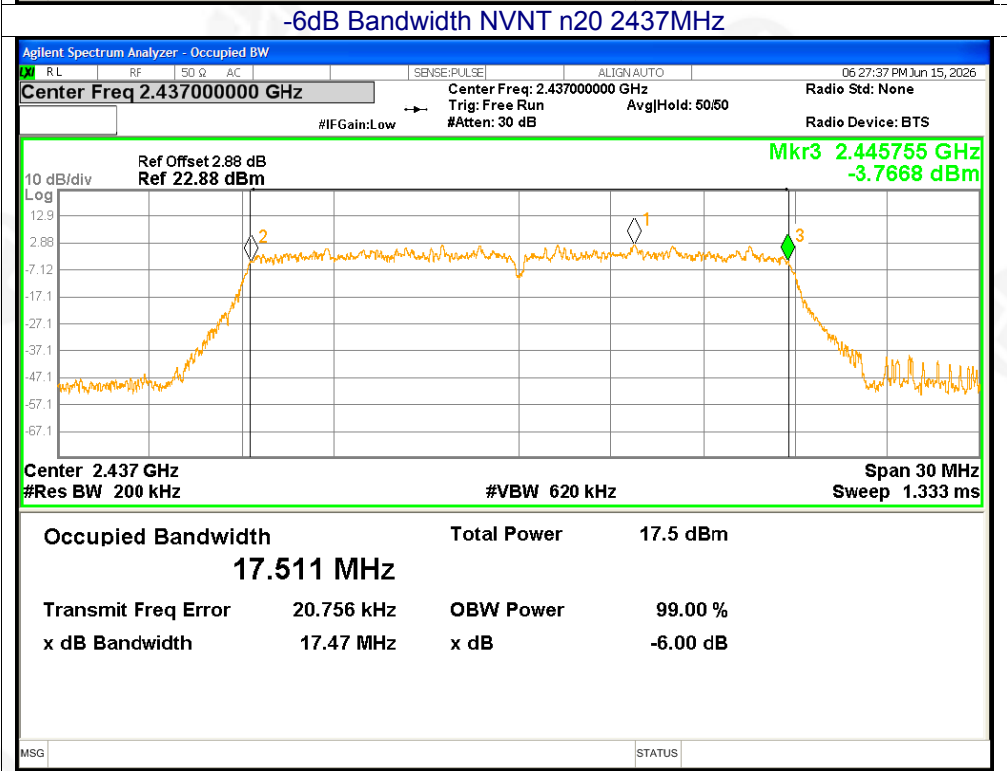
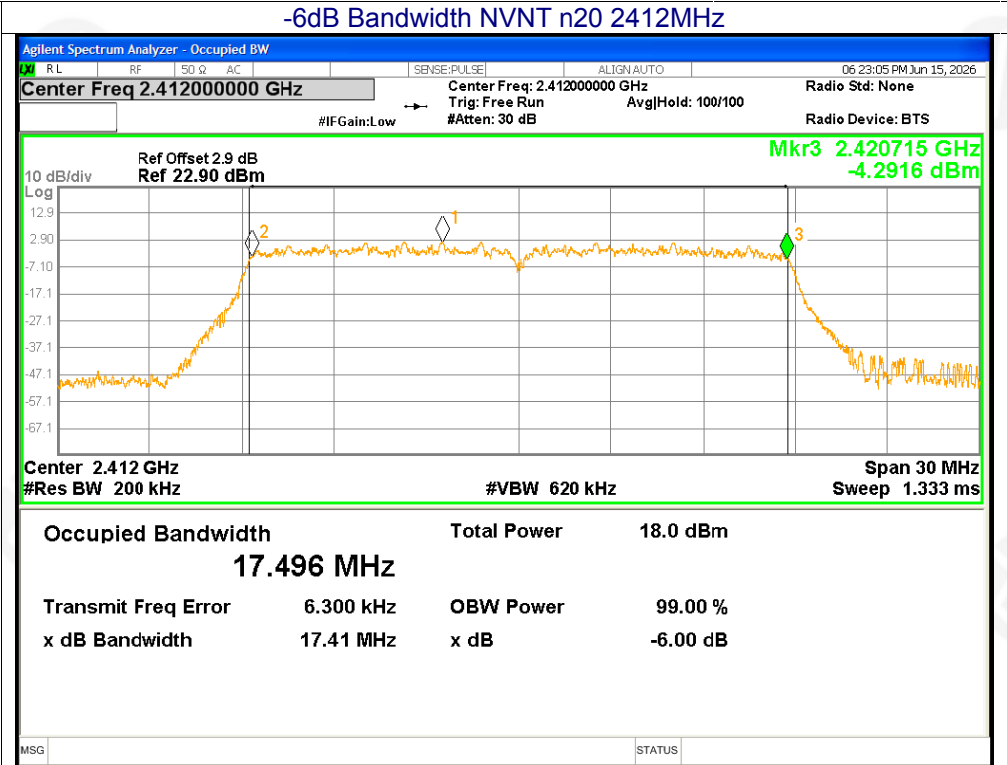
-6dB Bandwidth

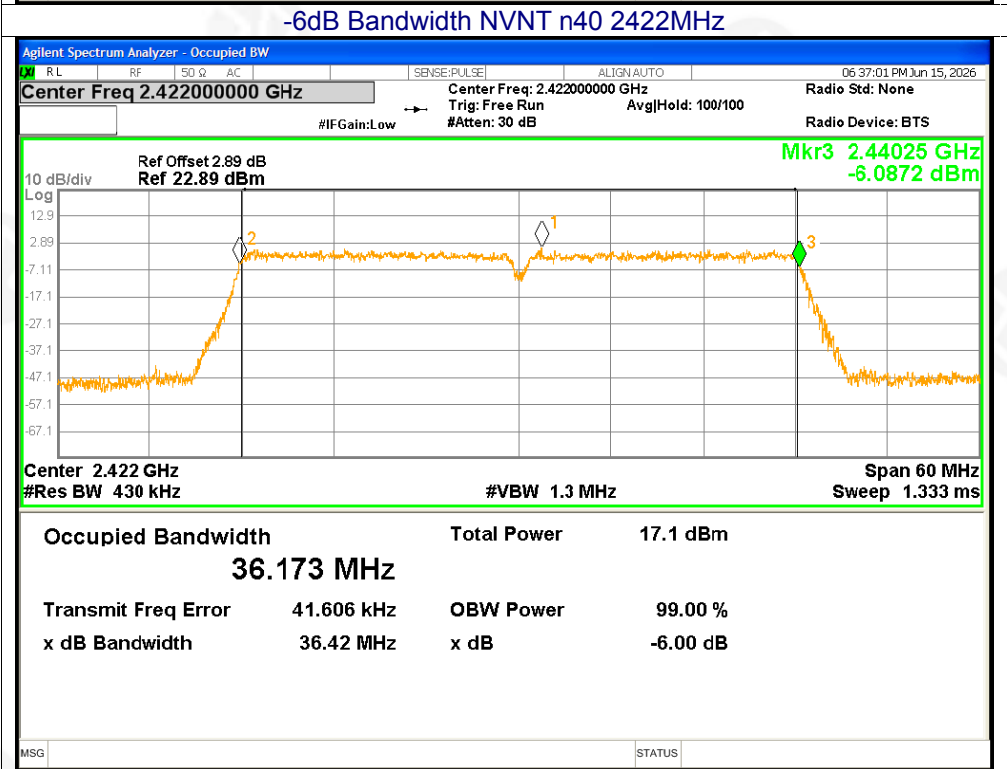
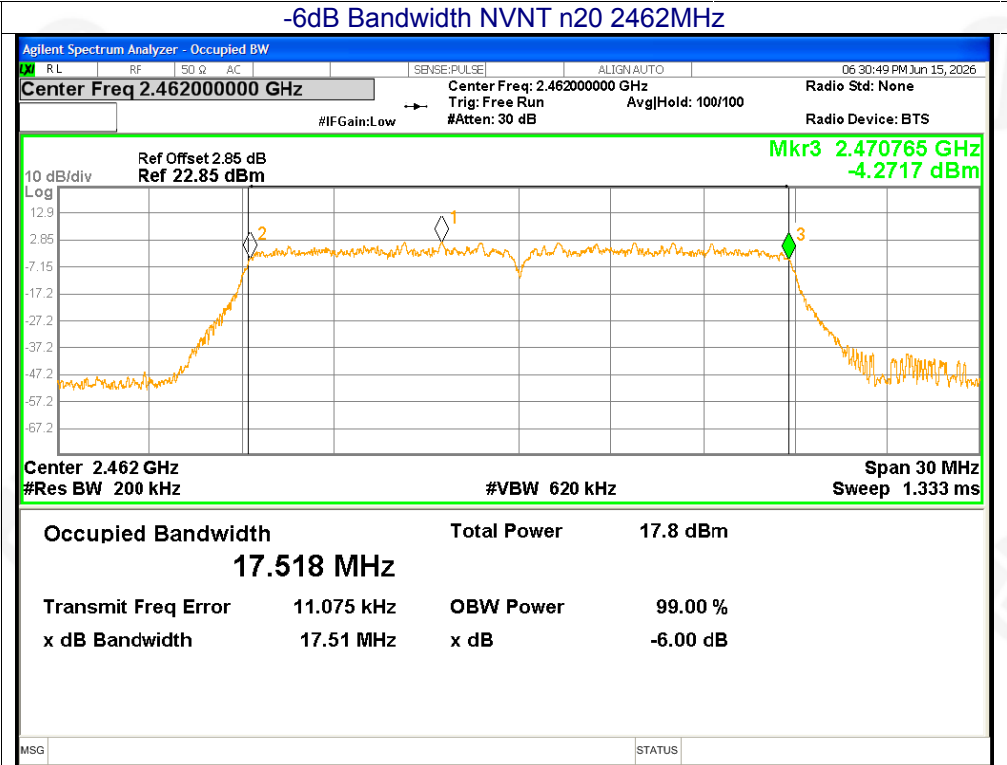
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	10.21	≥ 0.5	Pass
NVNT	b	2437	12.03	≥ 0.5	Pass
NVNT	b	2462	11.12	≥ 0.5	Pass
NVNT	g	2412	16.3	≥ 0.5	Pass
NVNT	g	2437	16.32	≥ 0.5	Pass
NVNT	g	2462	16.33	≥ 0.5	Pass
NVNT	n20	2412	17.41	≥ 0.5	Pass
NVNT	n20	2437	17.47	≥ 0.5	Pass
NVNT	n20	2462	17.51	≥ 0.5	Pass
NVNT	n40	2422	36.42	≥ 0.5	Pass
NVNT	n40	2437	36.27	≥ 0.5	Pass
NVNT	n40	2452	36.37	≥ 0.5	Pass

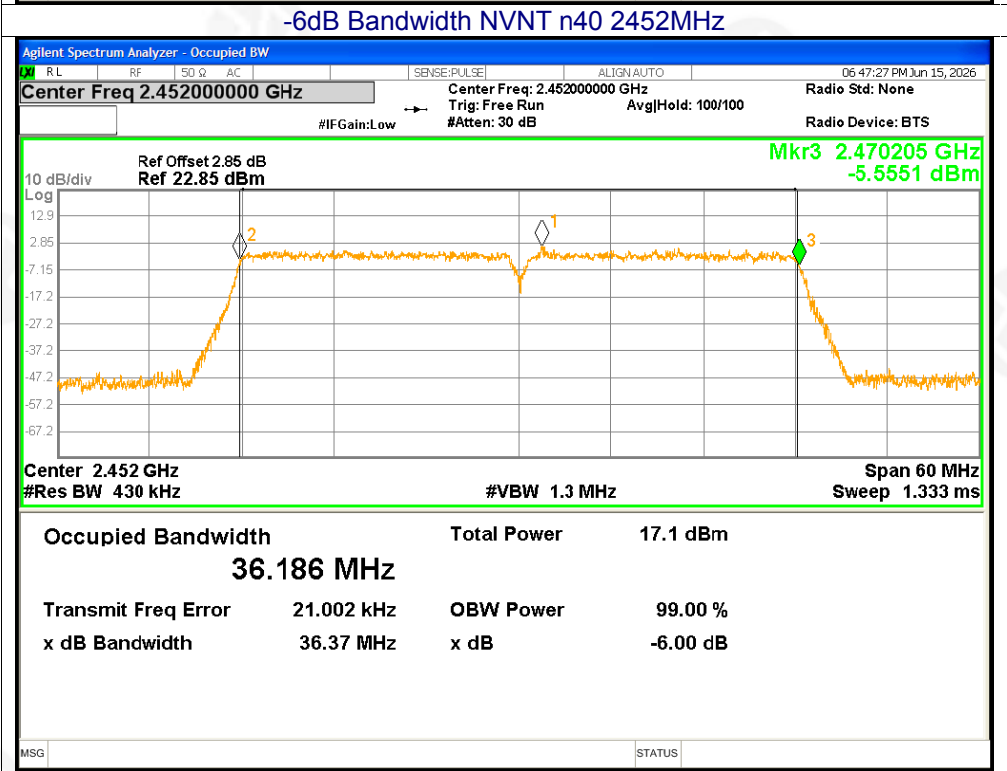
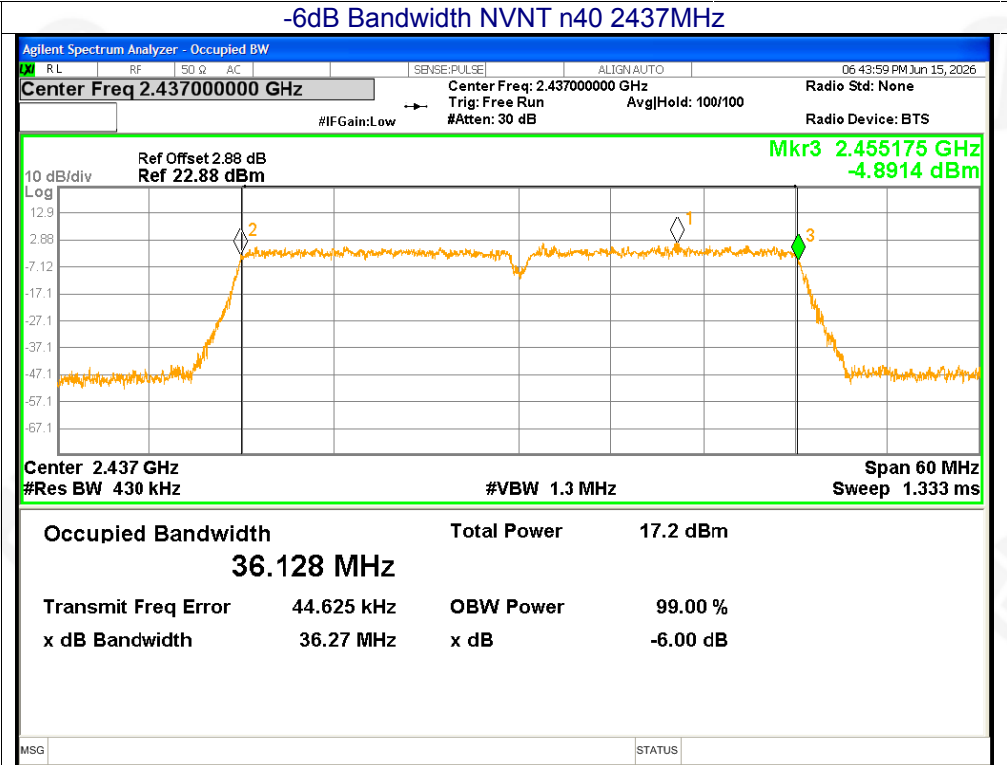








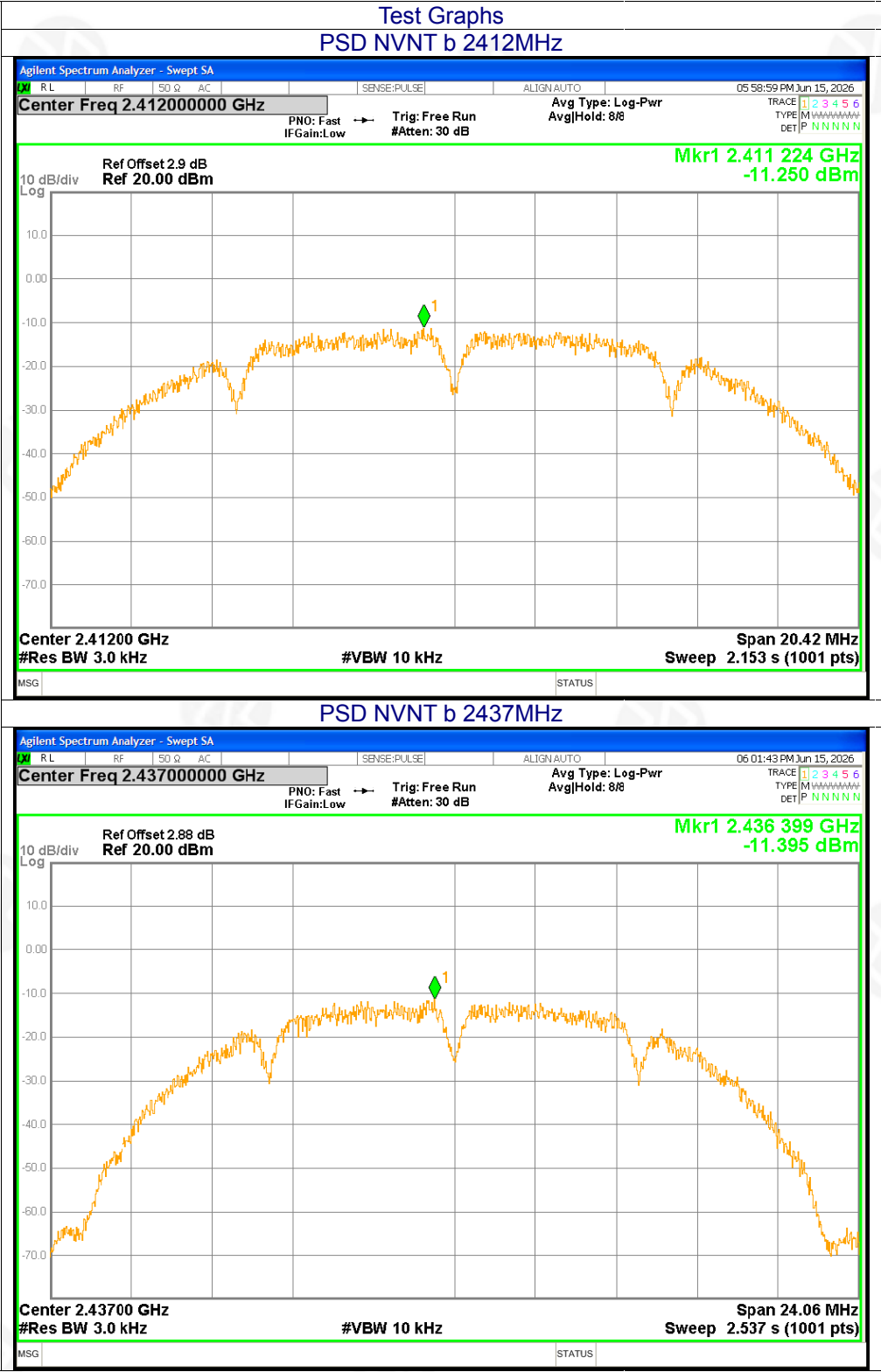


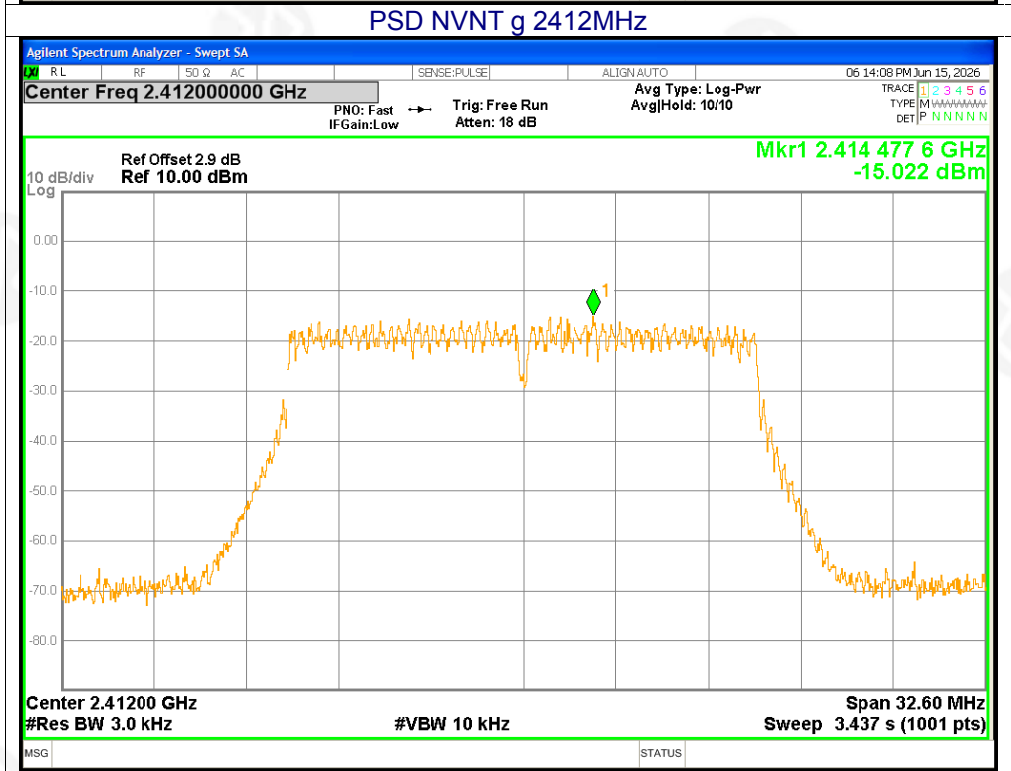
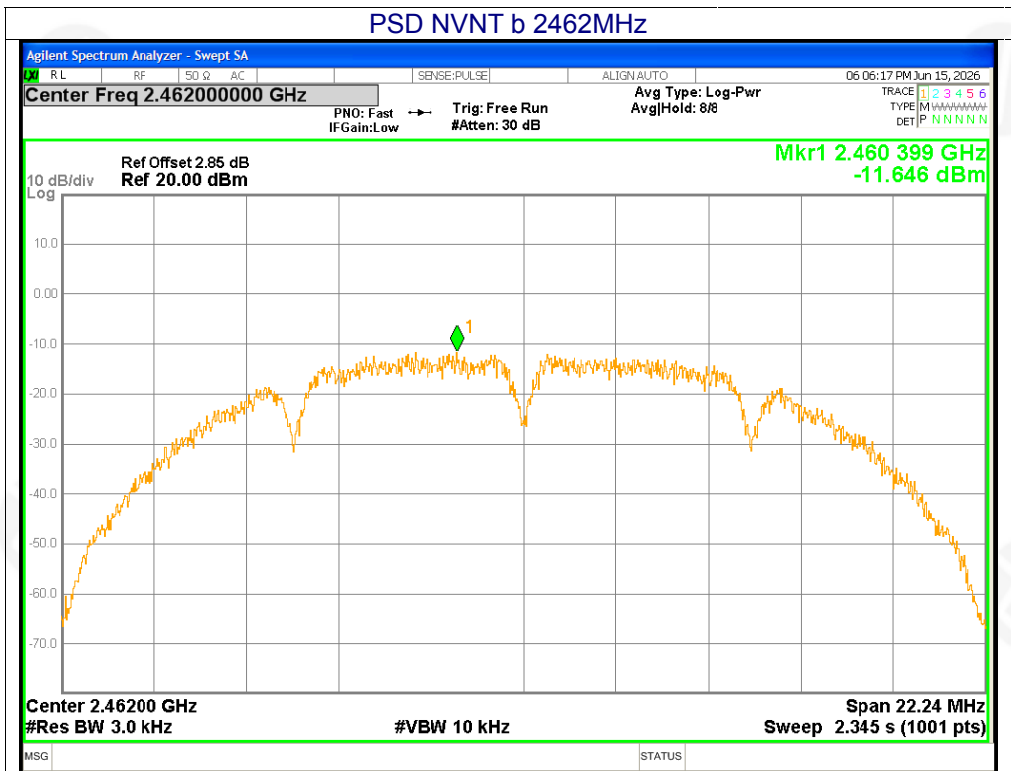


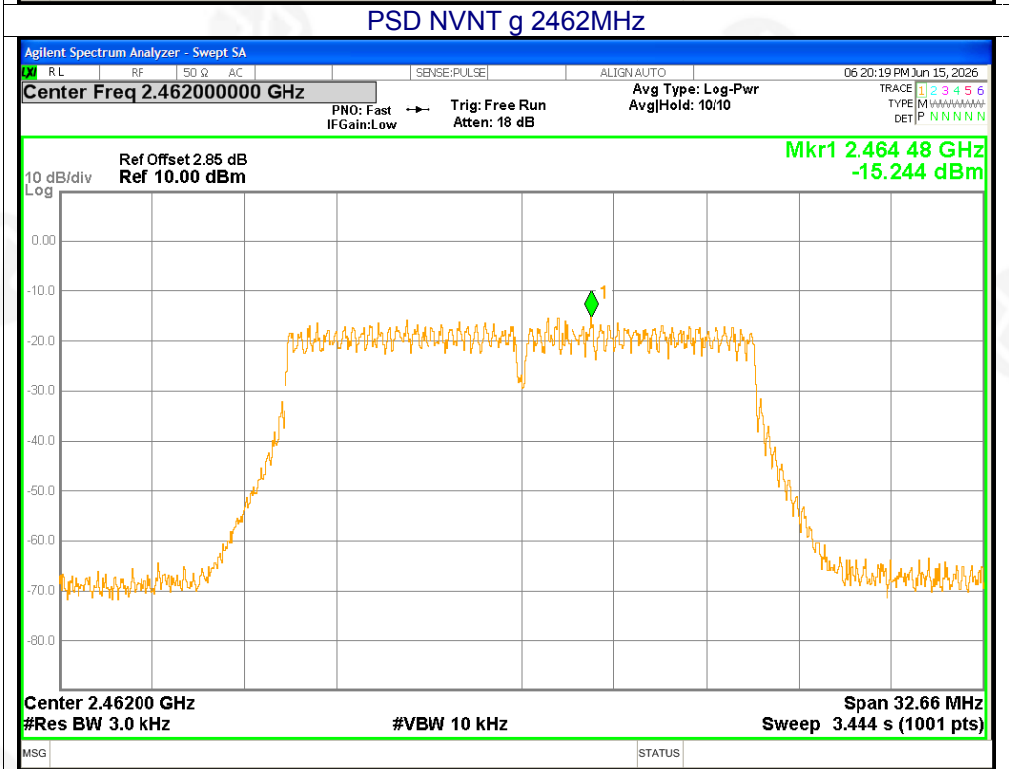
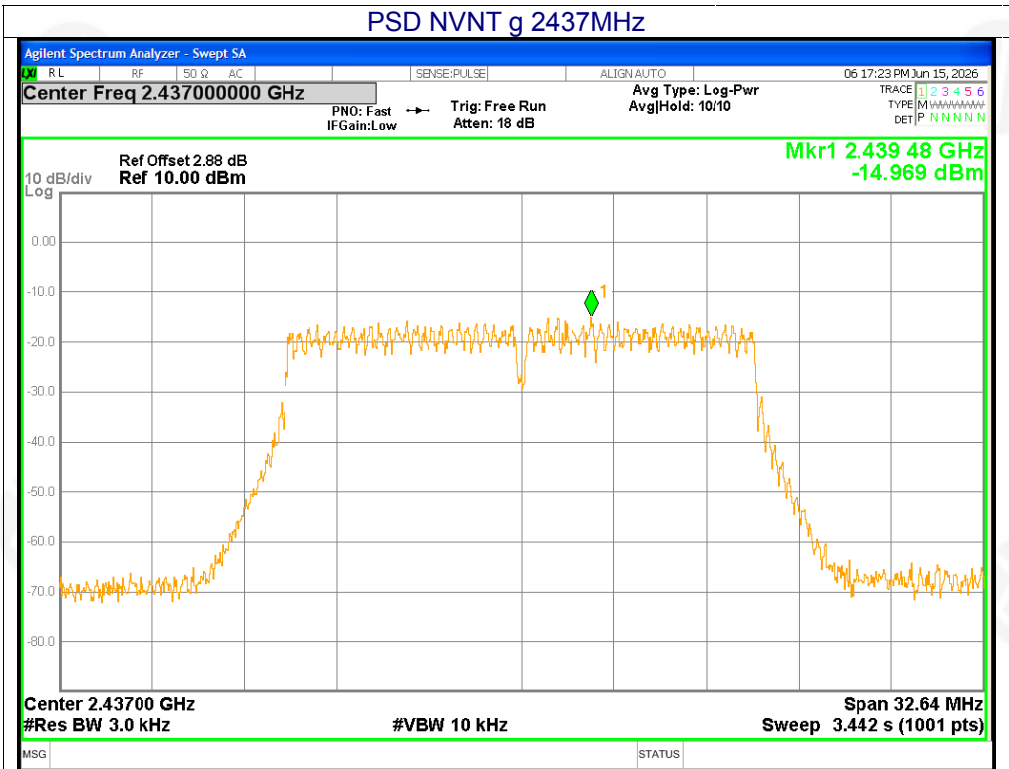


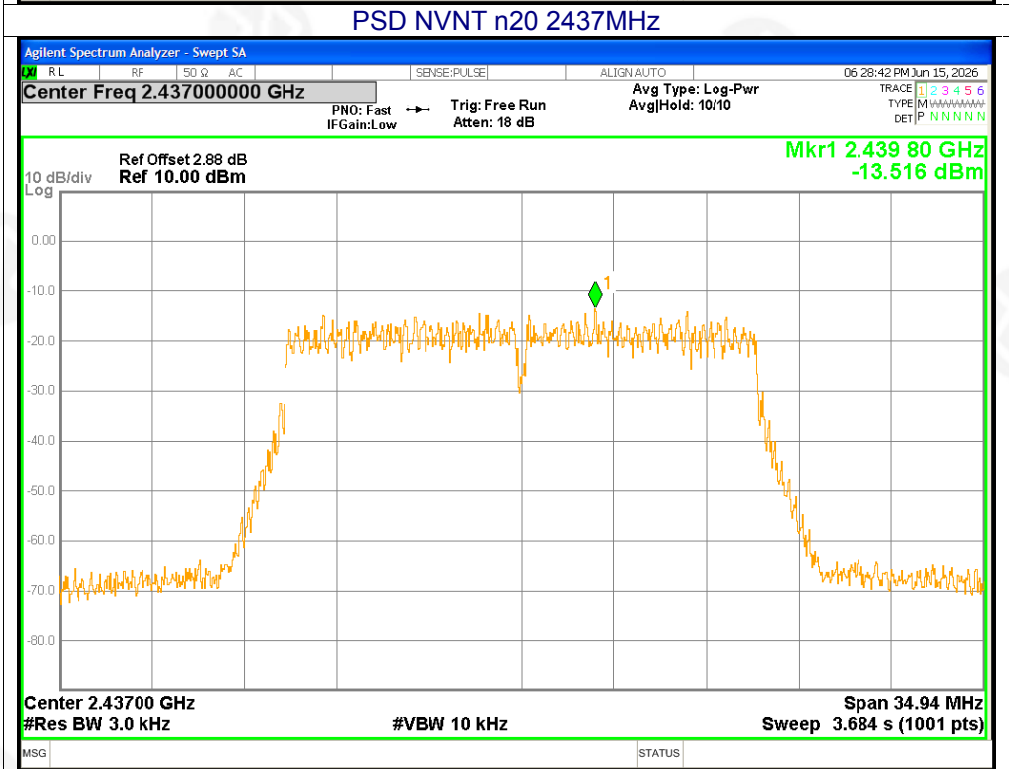
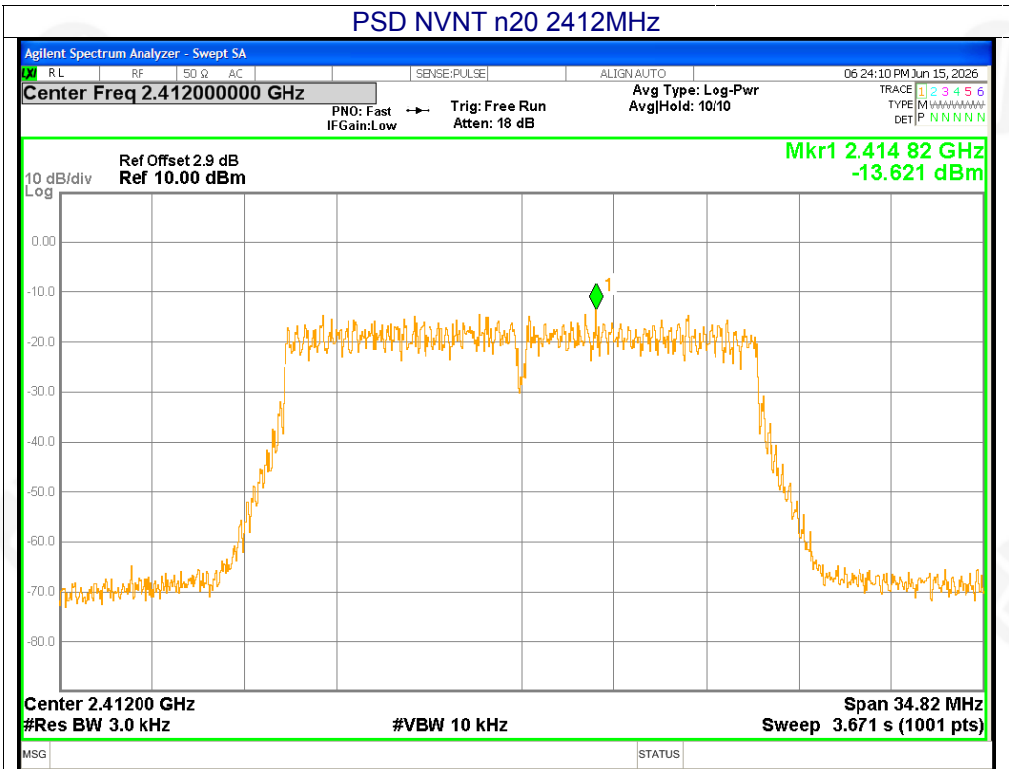
Maximum Power Spectral Density Level

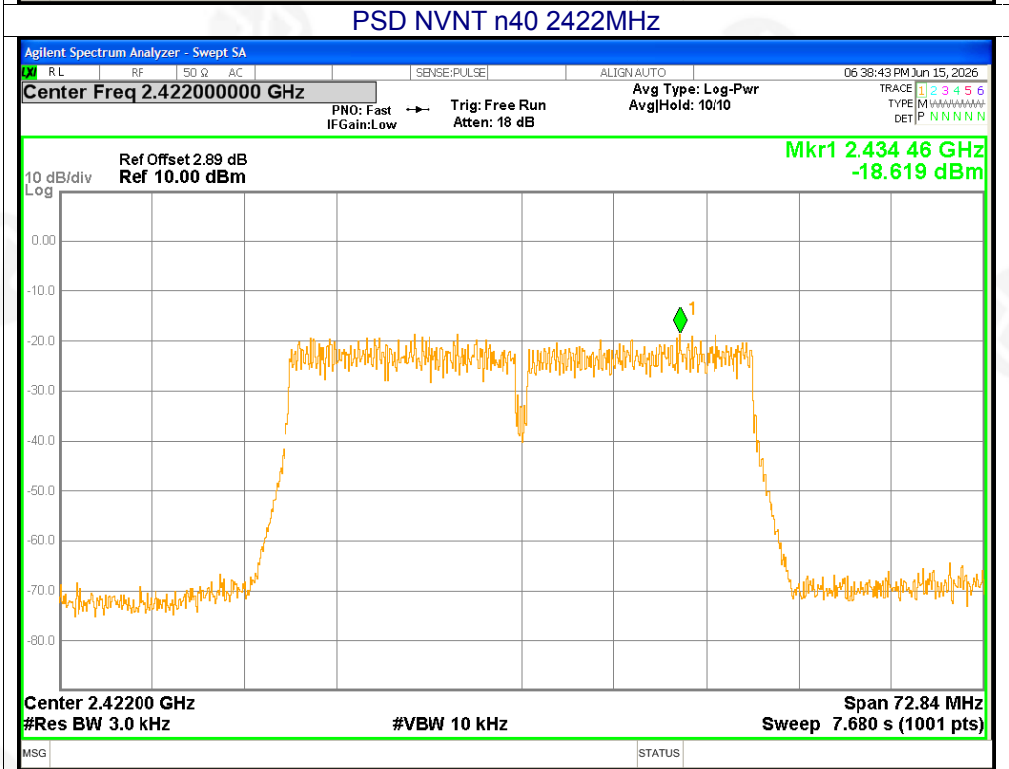
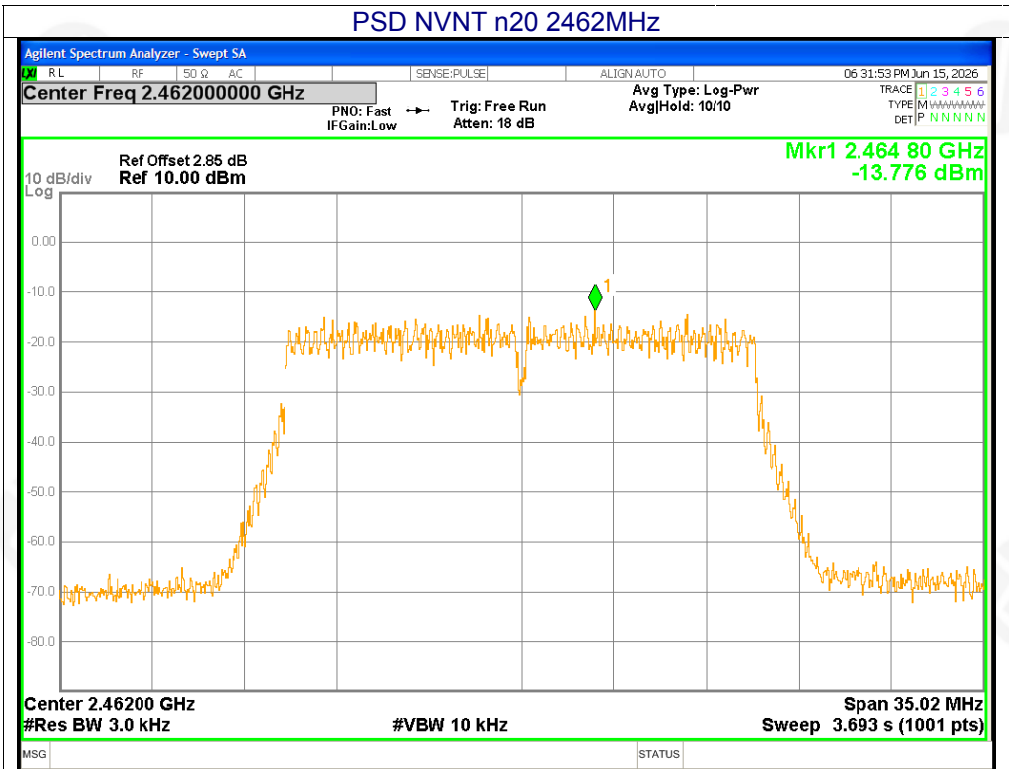
Condition	Mode	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	-11.25	<=8	Pass
NVNT	b	2437	-11.4	<=8	Pass
NVNT	b	2462	-11.65	<=8	Pass
NVNT	g	2412	-15.02	<=8	Pass
NVNT	g	2437	-14.97	<=8	Pass
NVNT	g	2462	-15.24	<=8	Pass
NVNT	n20	2412	-13.62	<=8	Pass
NVNT	n20	2437	-13.52	<=8	Pass
NVNT	n20	2462	-13.78	<=8	Pass
NVNT	n40	2422	-18.62	<=8	Pass
NVNT	n40	2437	-18.37	<=8	Pass
NVNT	n40	2452	-18.78	<=8	Pass

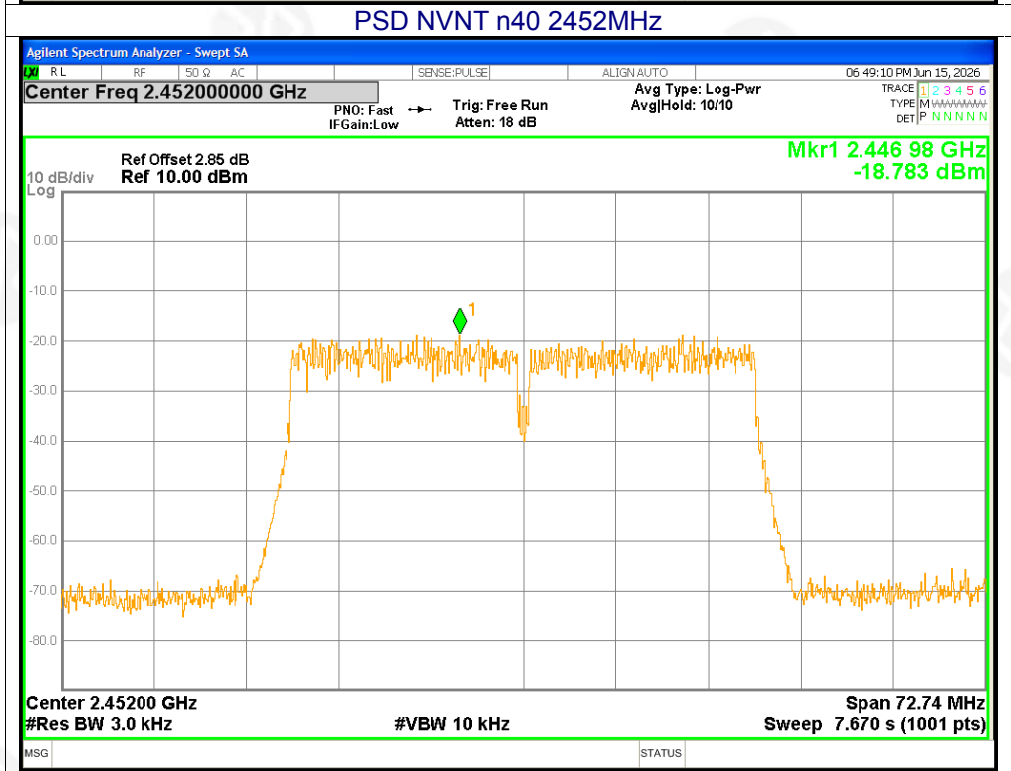
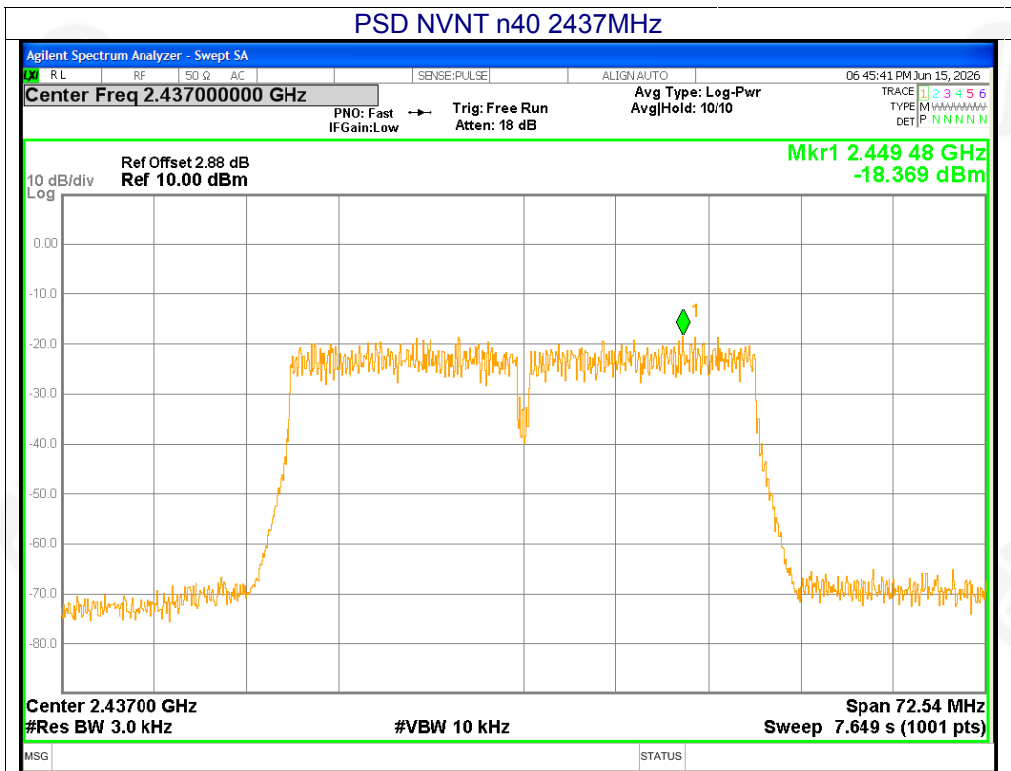








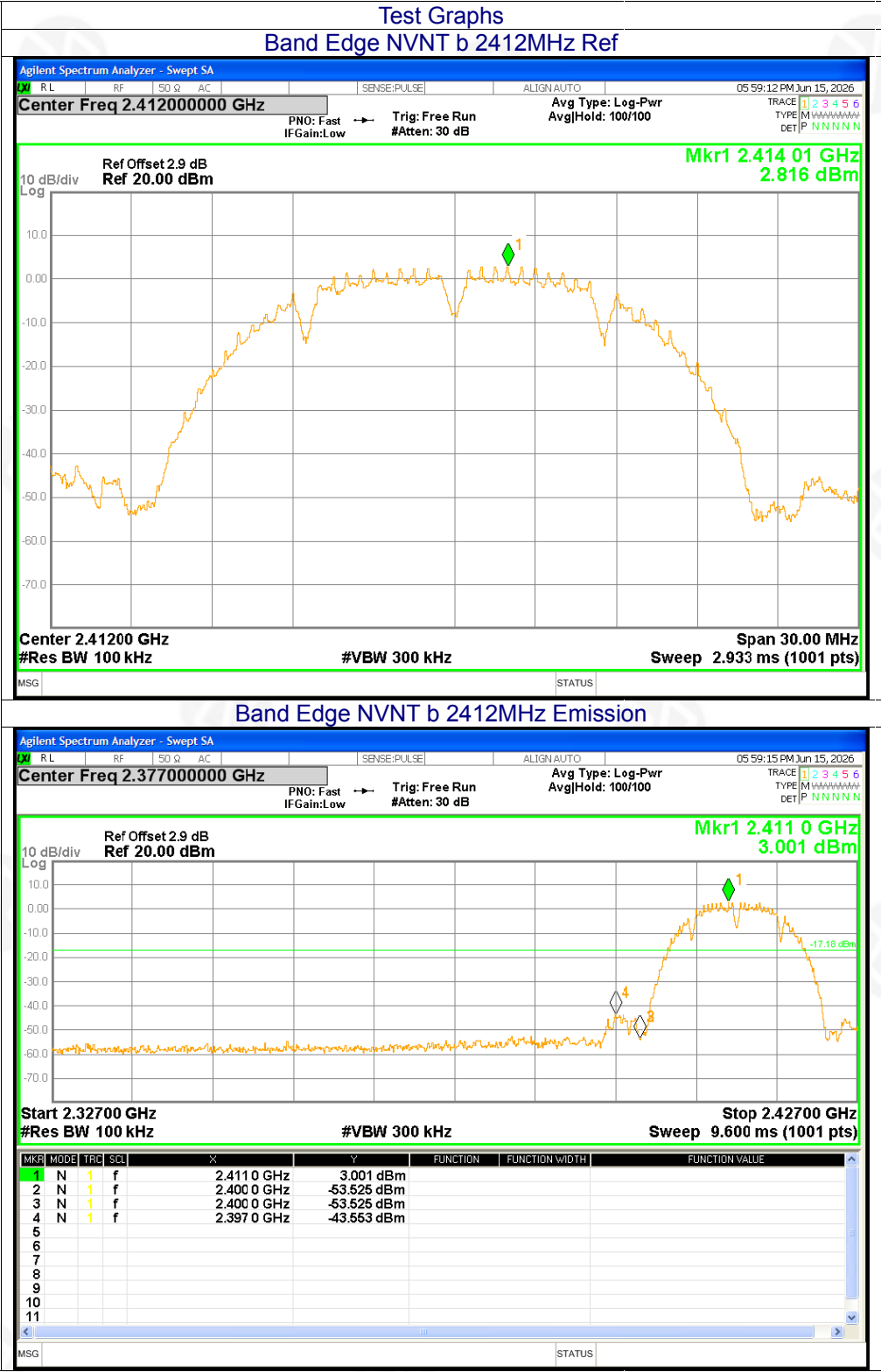


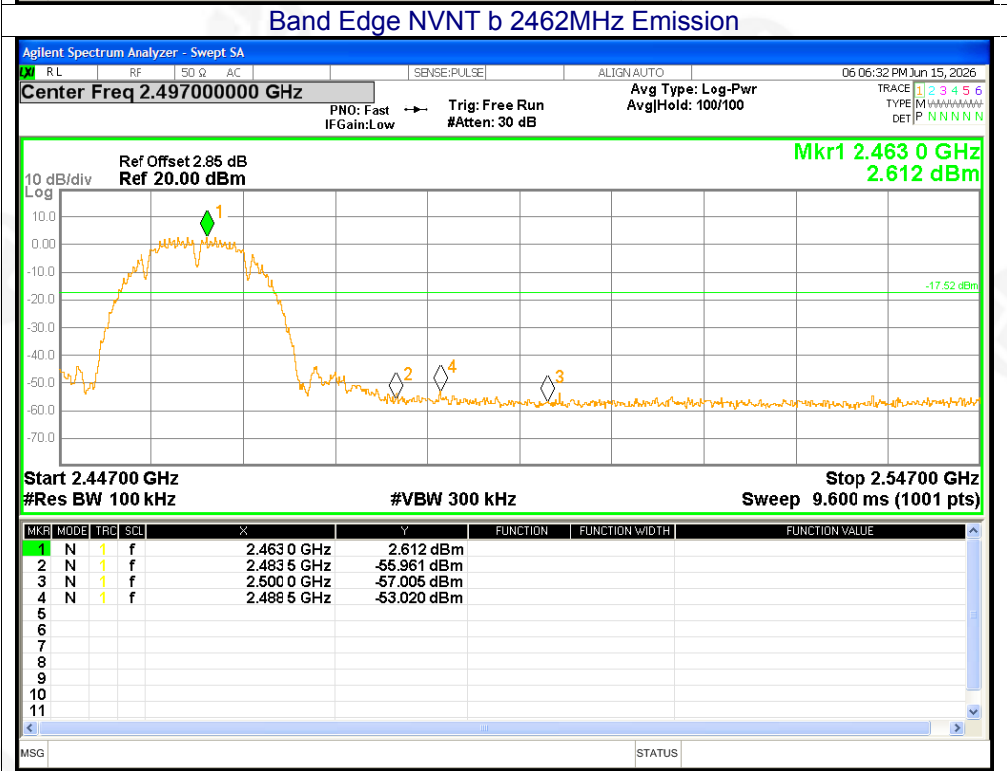
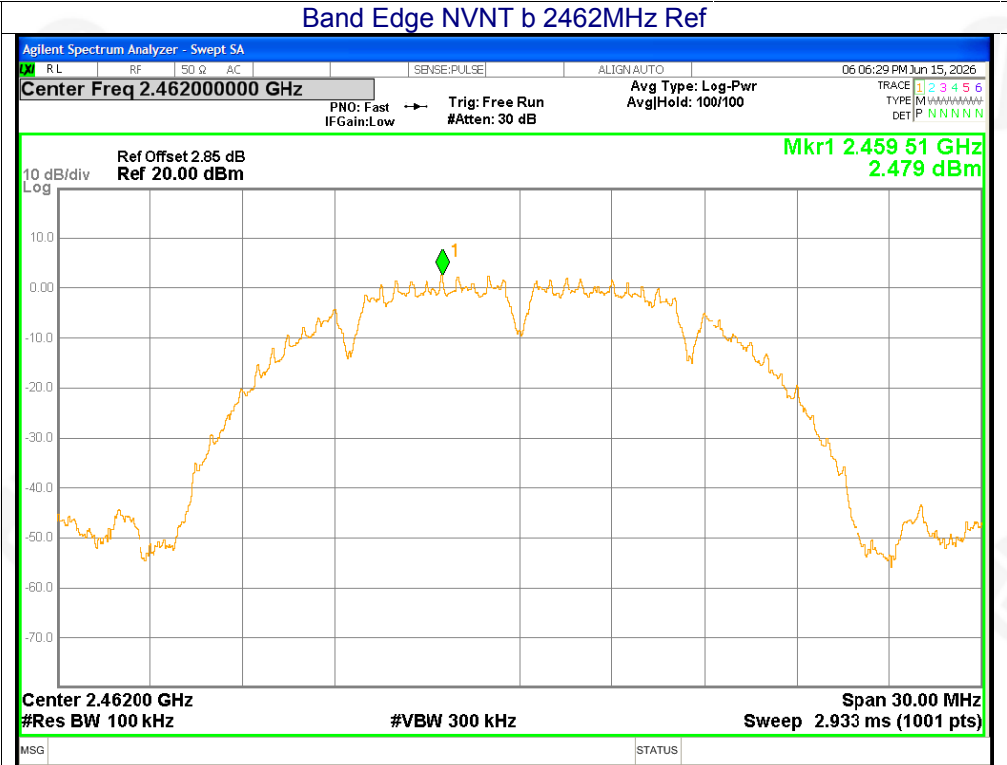


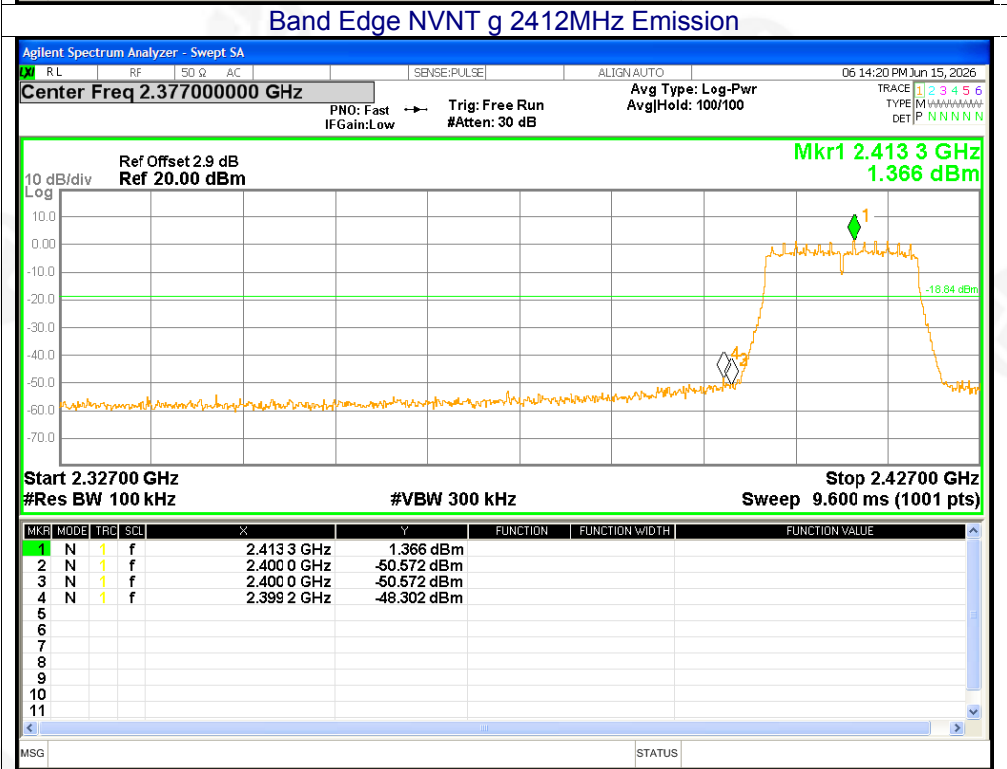
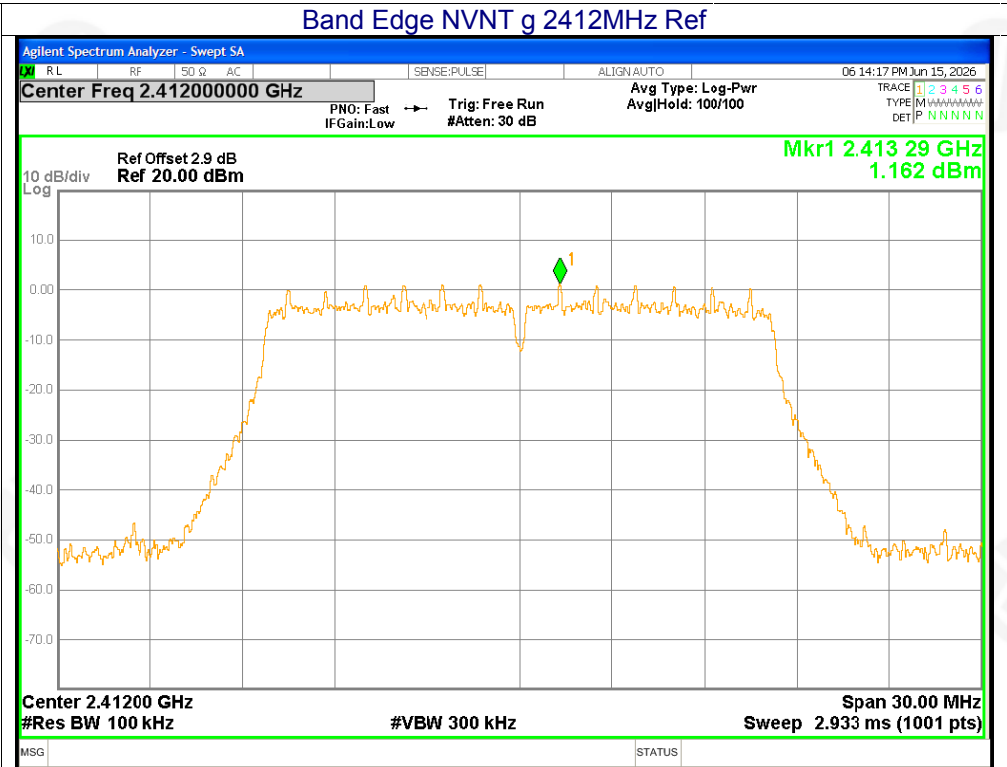


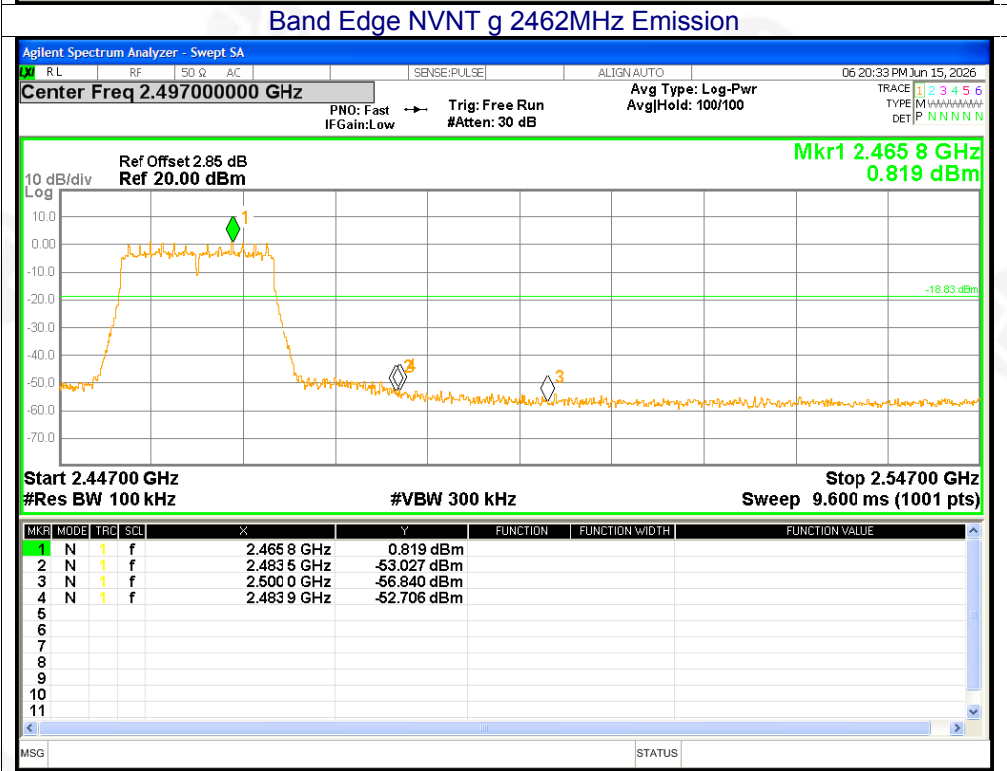
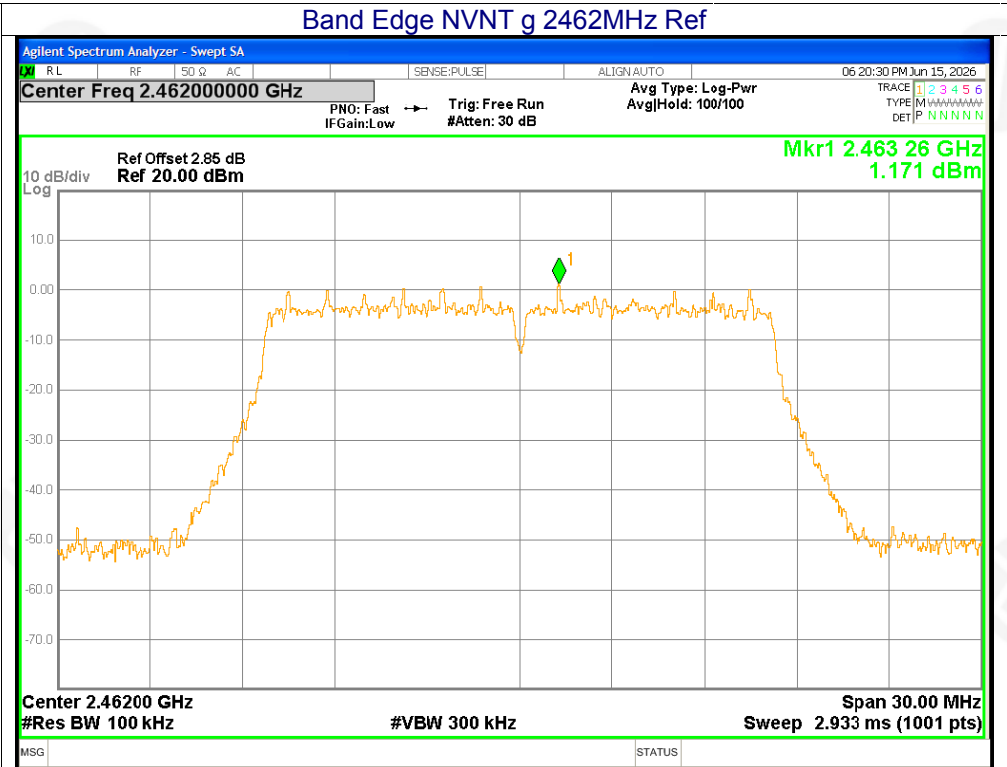
Band Edge

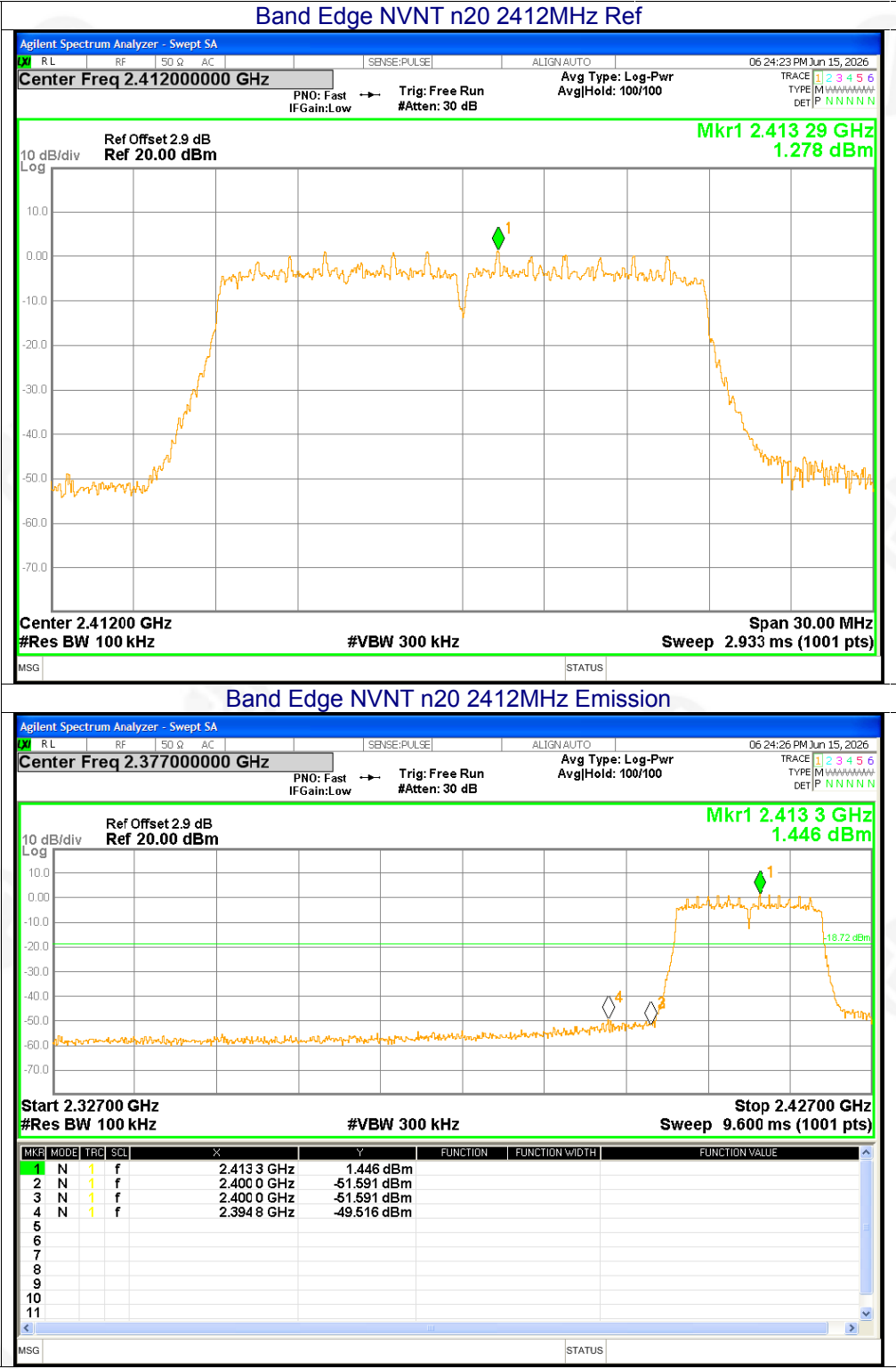
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	-46.37	<=-20	Pass
NVNT	b	2462	-55.5	<=-20	Pass
NVNT	g	2412	-49.46	<=-20	Pass
NVNT	g	2462	-53.87	<=-20	Pass
NVNT	n20	2412	-50.79	<=-20	Pass
NVNT	n20	2462	-52.91	<=-20	Pass
NVNT	n40	2422	-47.43	<=-20	Pass

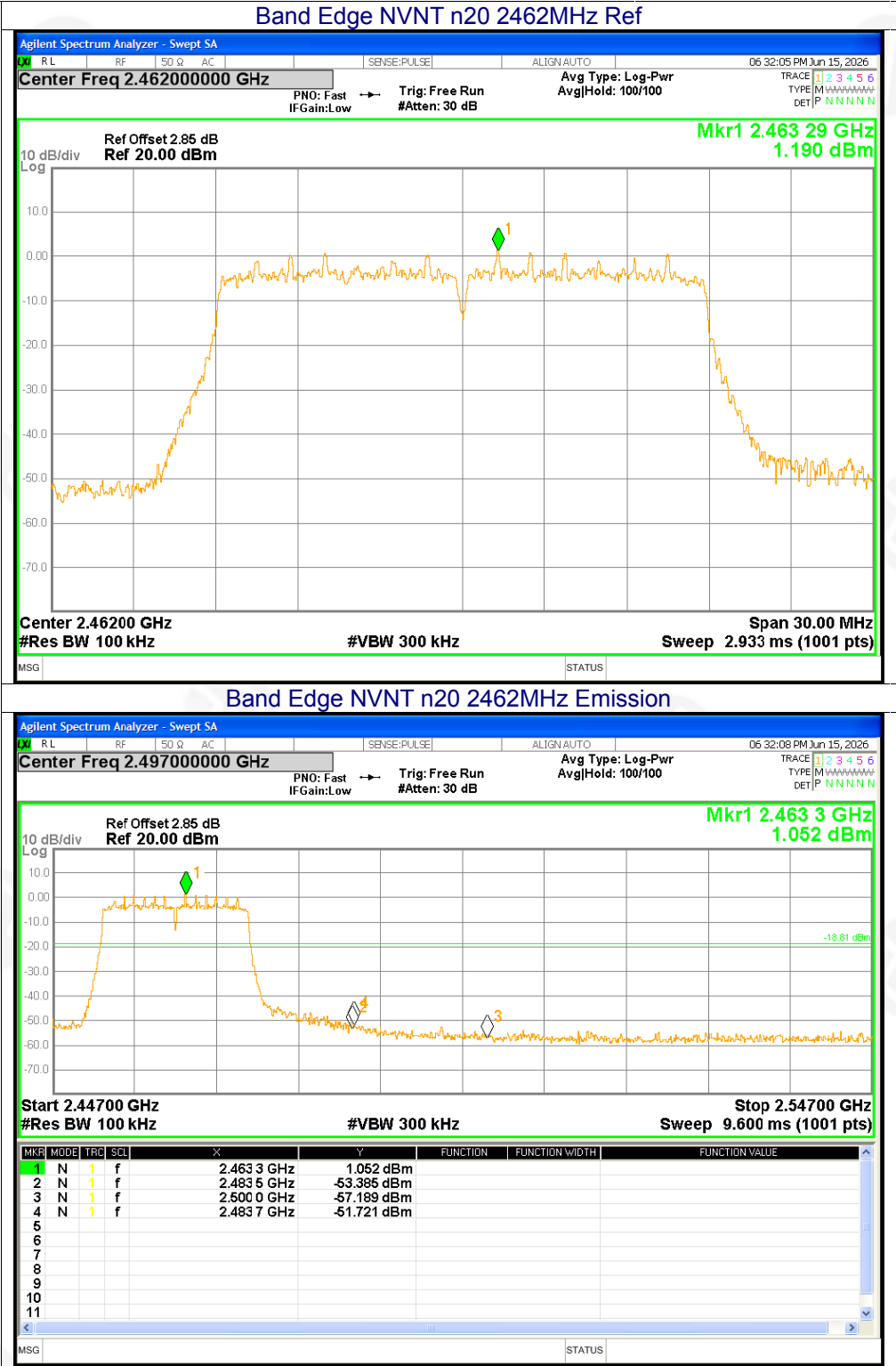


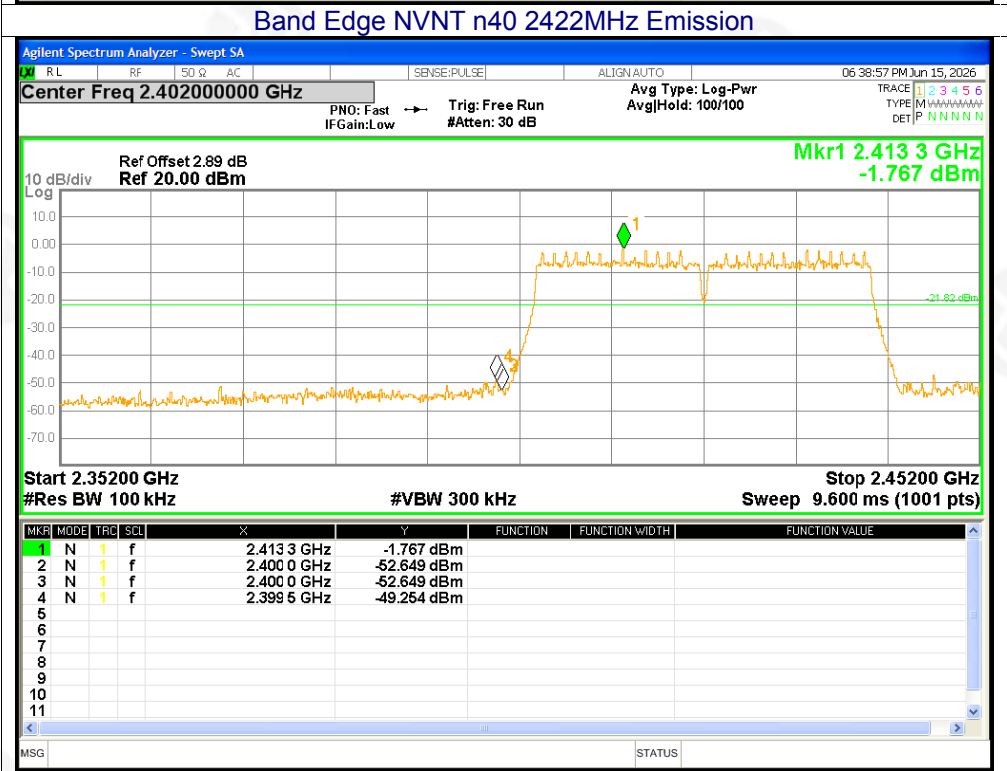
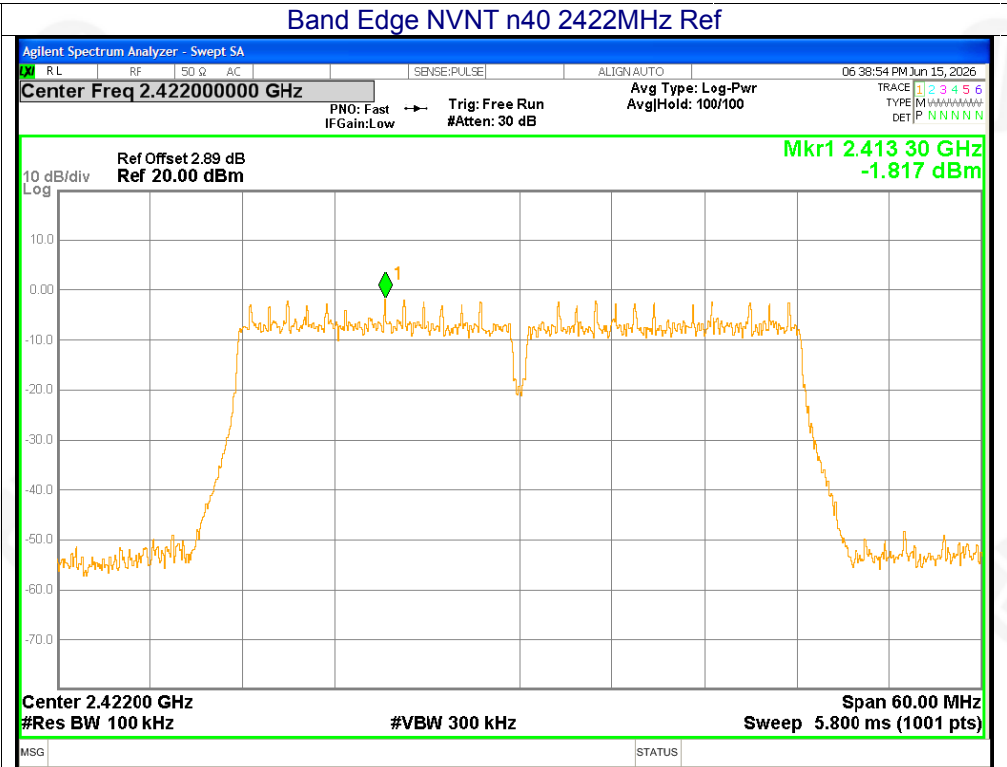












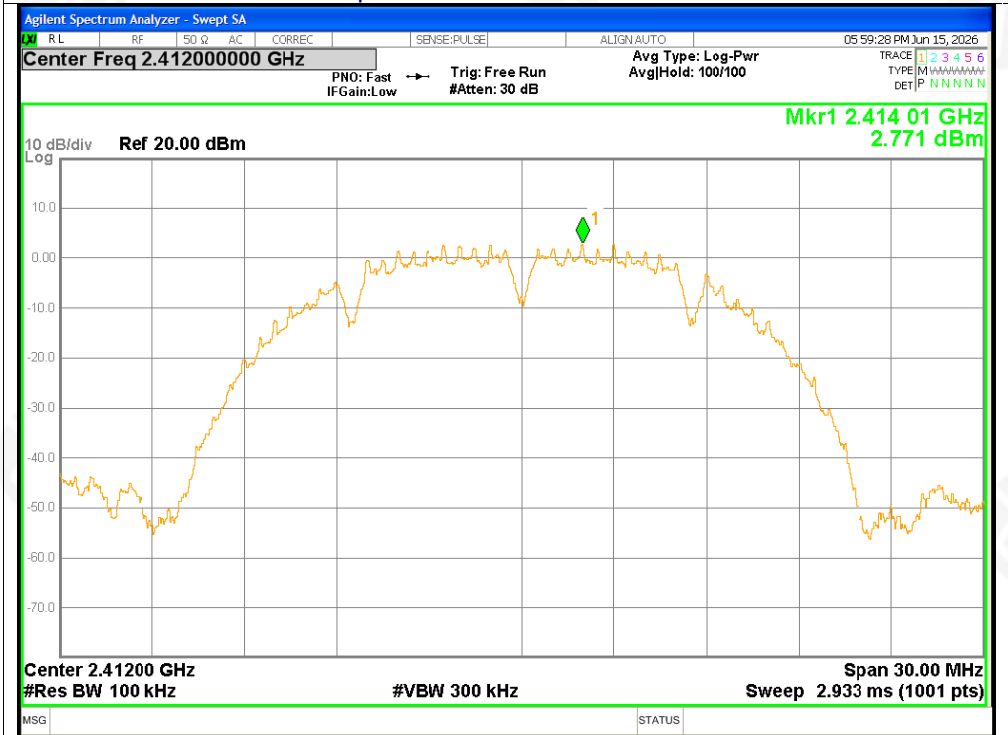


Conducted RF Spurious Emission

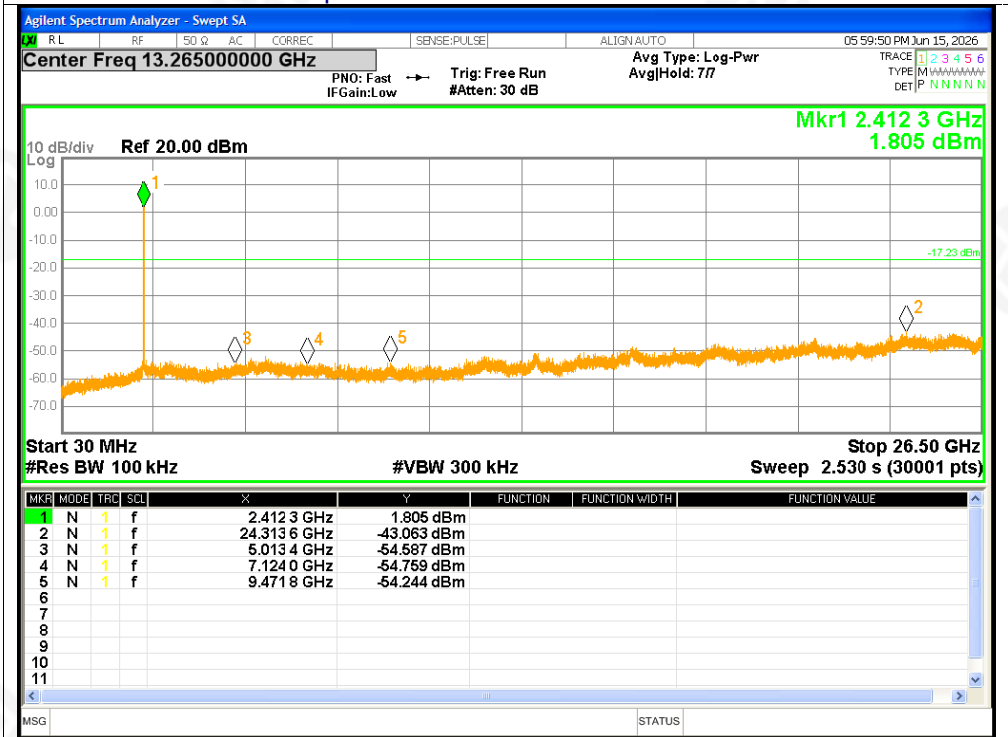
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	-45.83	<=-20	Pass
NVNT	b	2437	-45.47	<=-20	Pass
NVNT	b	2462	-45.9	<=-20	Pass
NVNT	g	2412	-43.47	<=-20	Pass
NVNT	g	2437	-44.25	<=-20	Pass
NVNT	g	2462	-43.28	<=-20	Pass
NVNT	n20	2412	-43.61	<=-20	Pass
NVNT	n20	2437	-45.06	<=-20	Pass
NVNT	n20	2462	-44.49	<=-20	Pass
NVNT	n40	2422	-41.34	<=-20	Pass
NVNT	n40	2437	-41.05	<=-20	Pass
NVNT	n40	2452	-40.58	<=-20	Pass

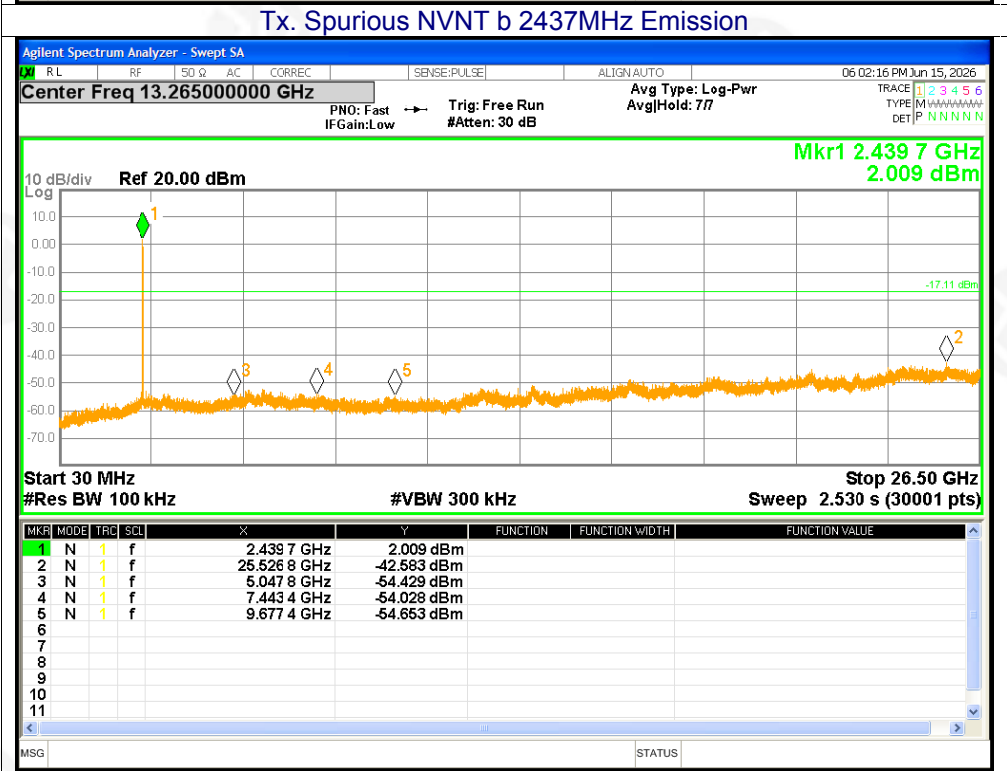
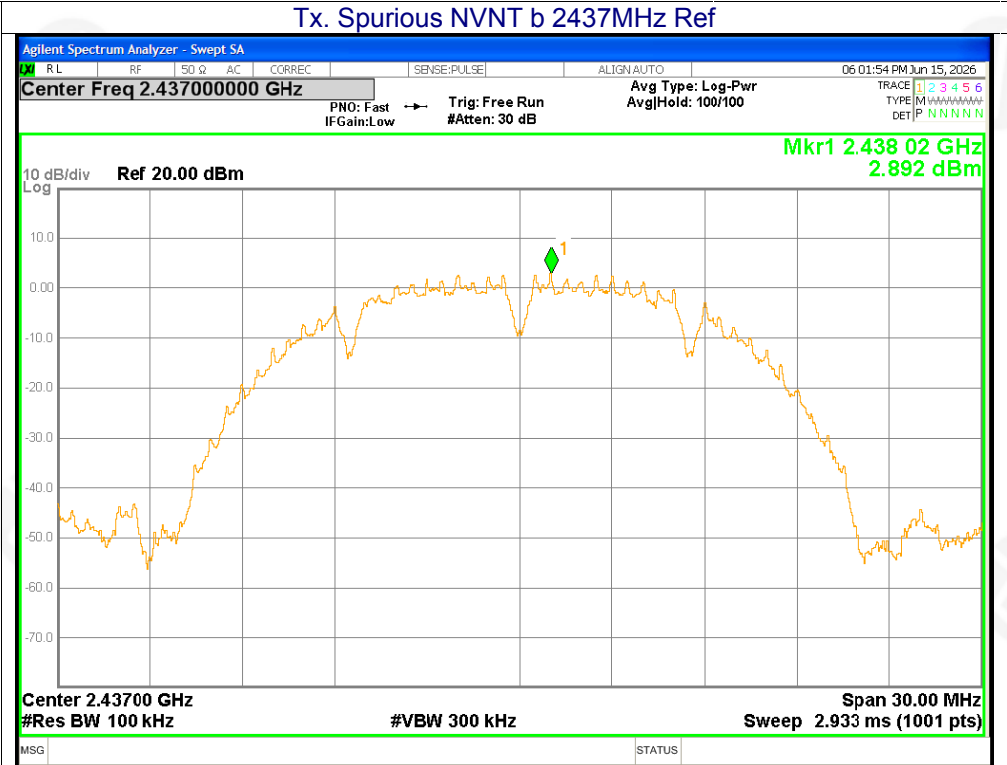


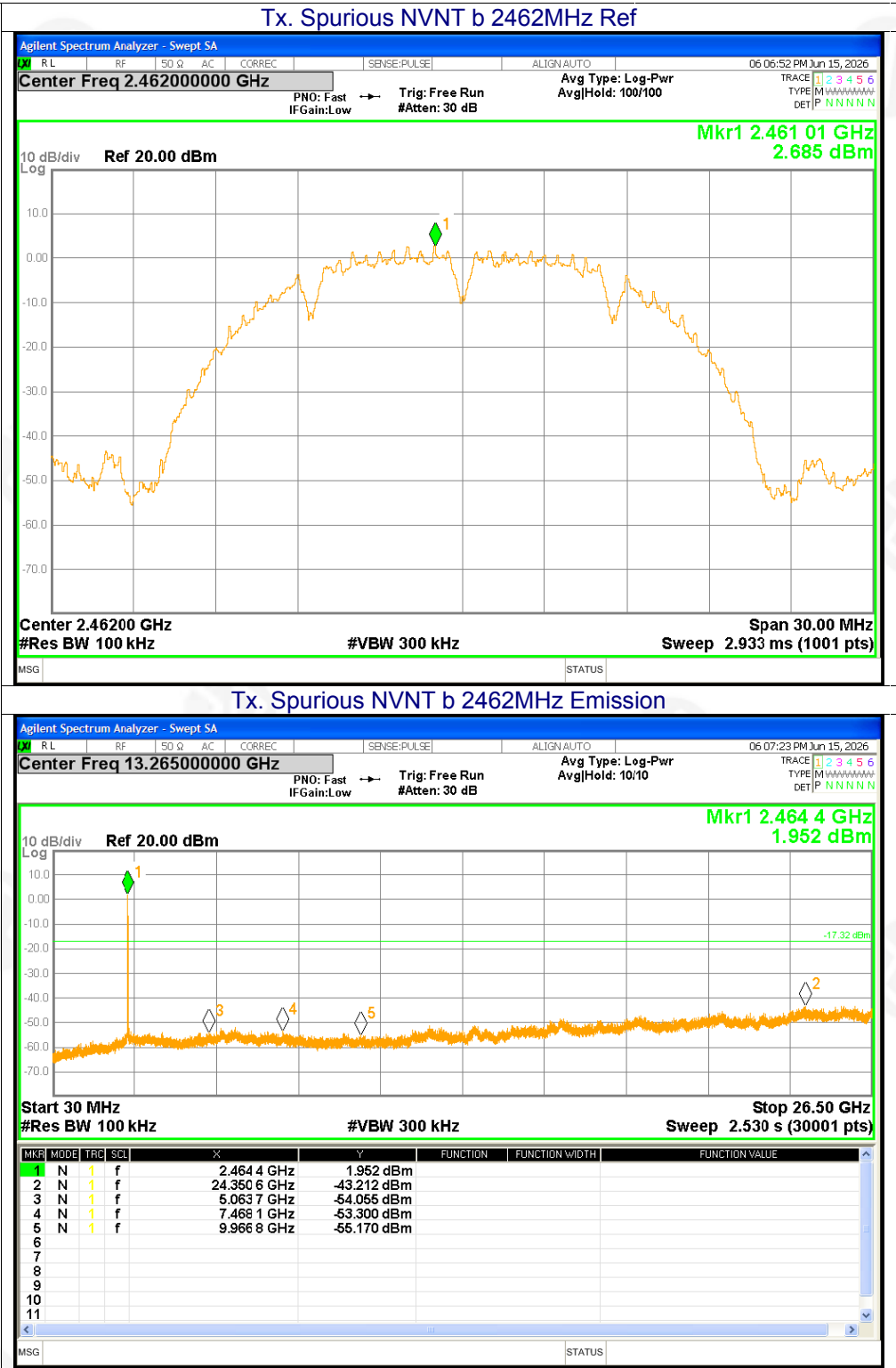
Test Graphs
Tx. Spurious NVNT b 2412MHz Ref

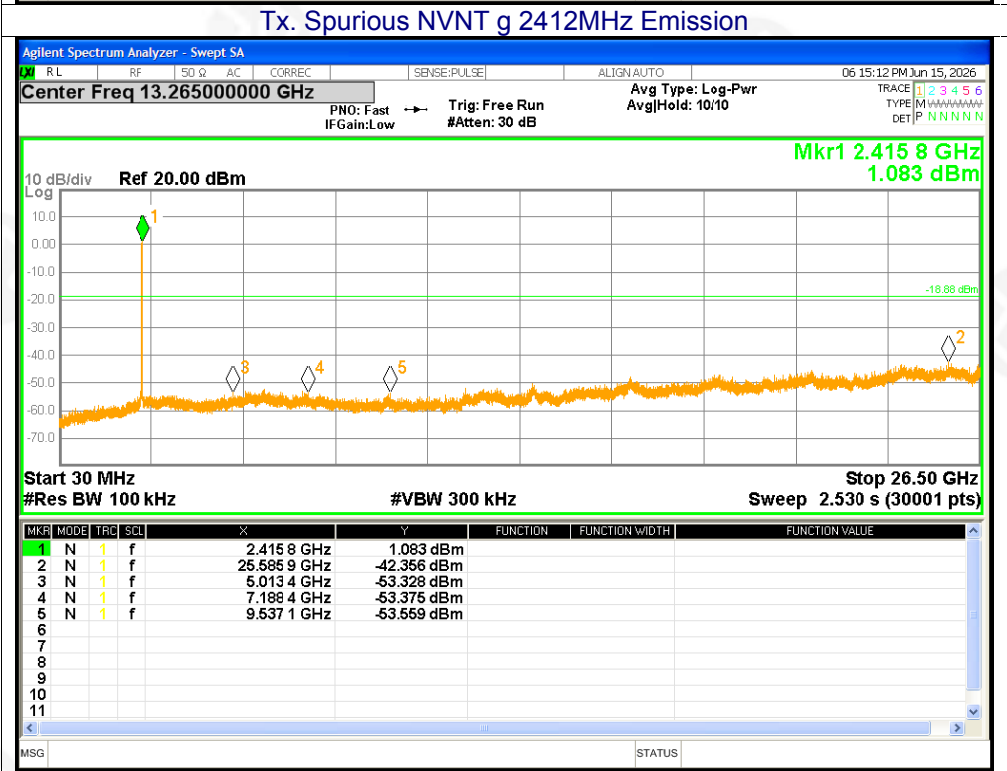
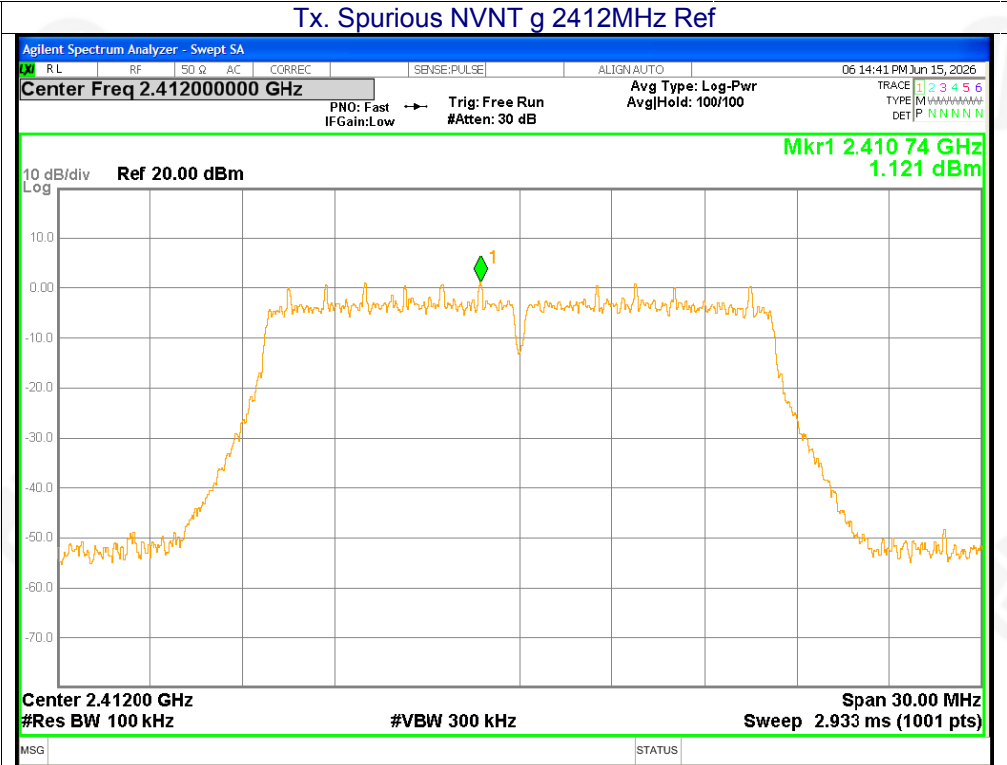


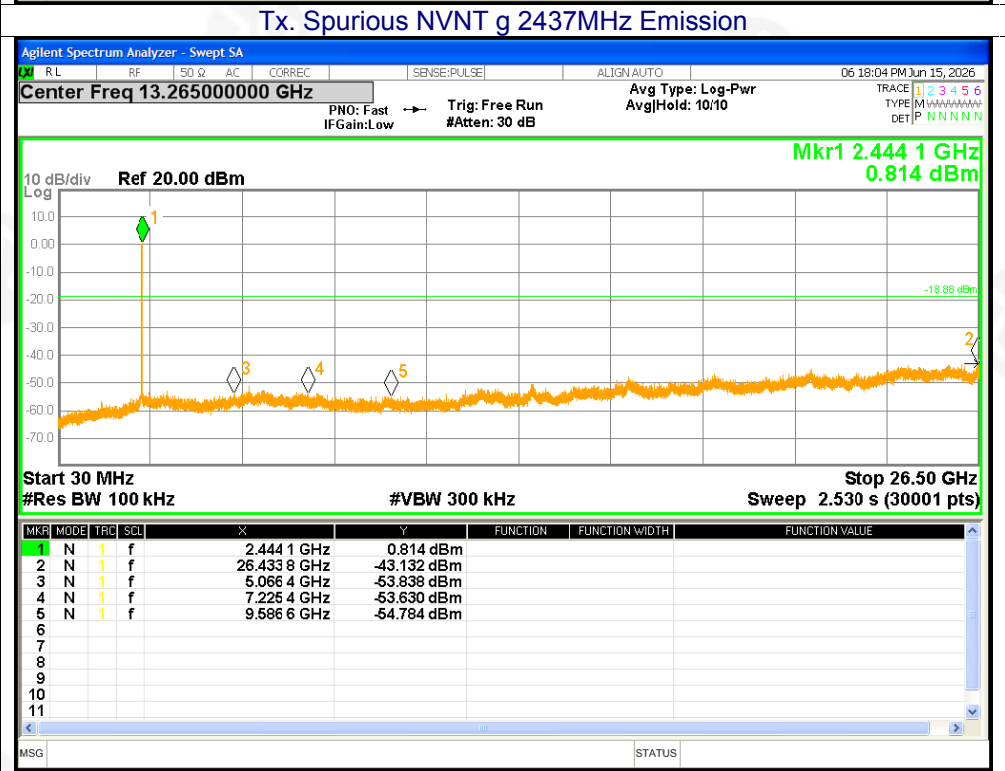
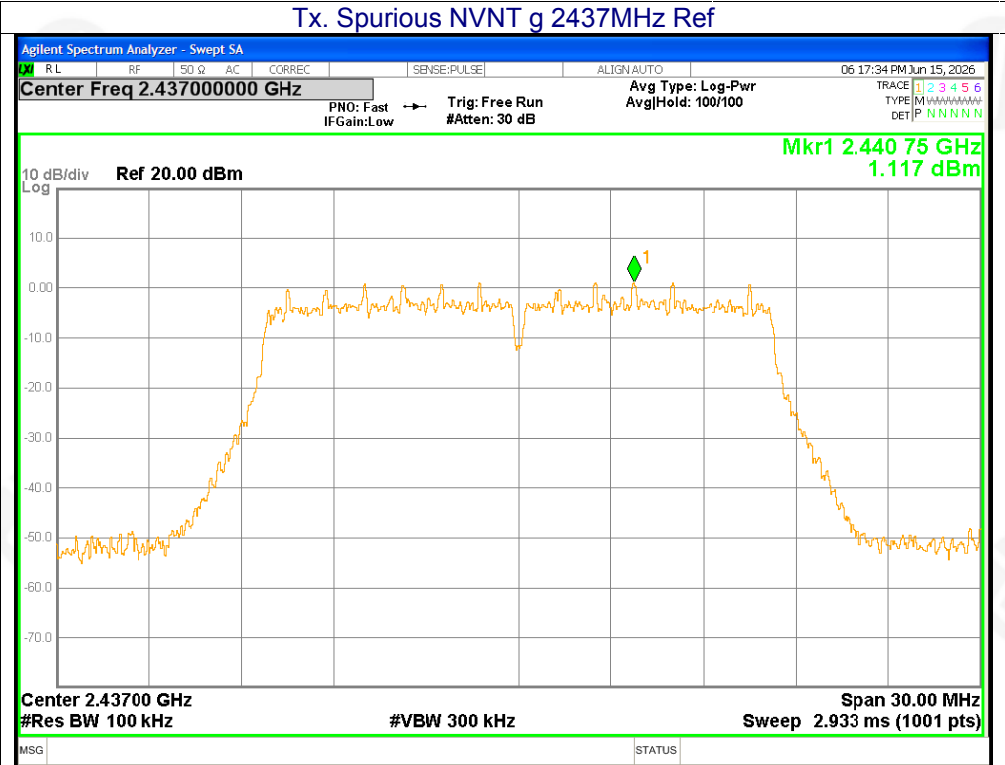
Tx. Spurious NVNT b 2412MHz Emission

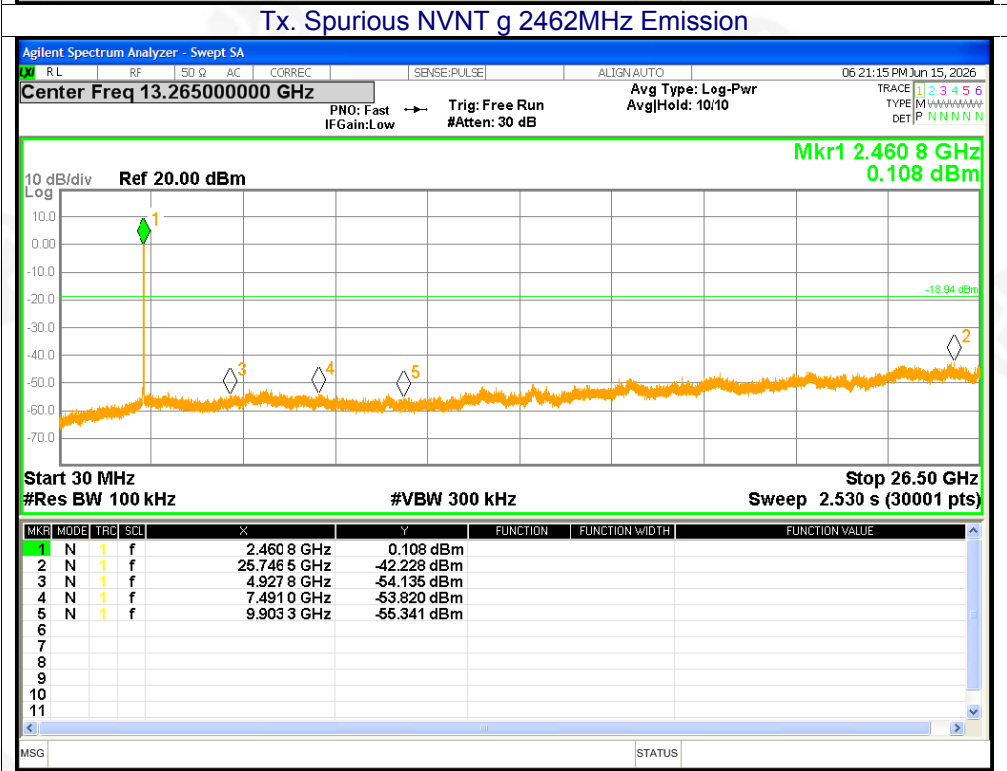
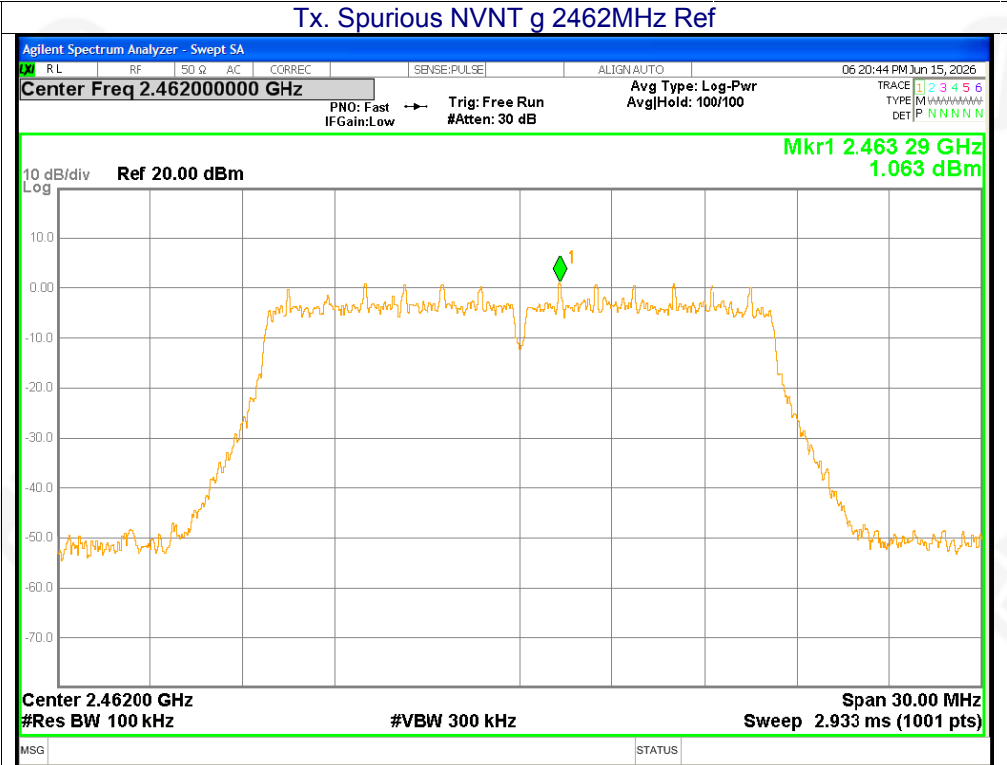


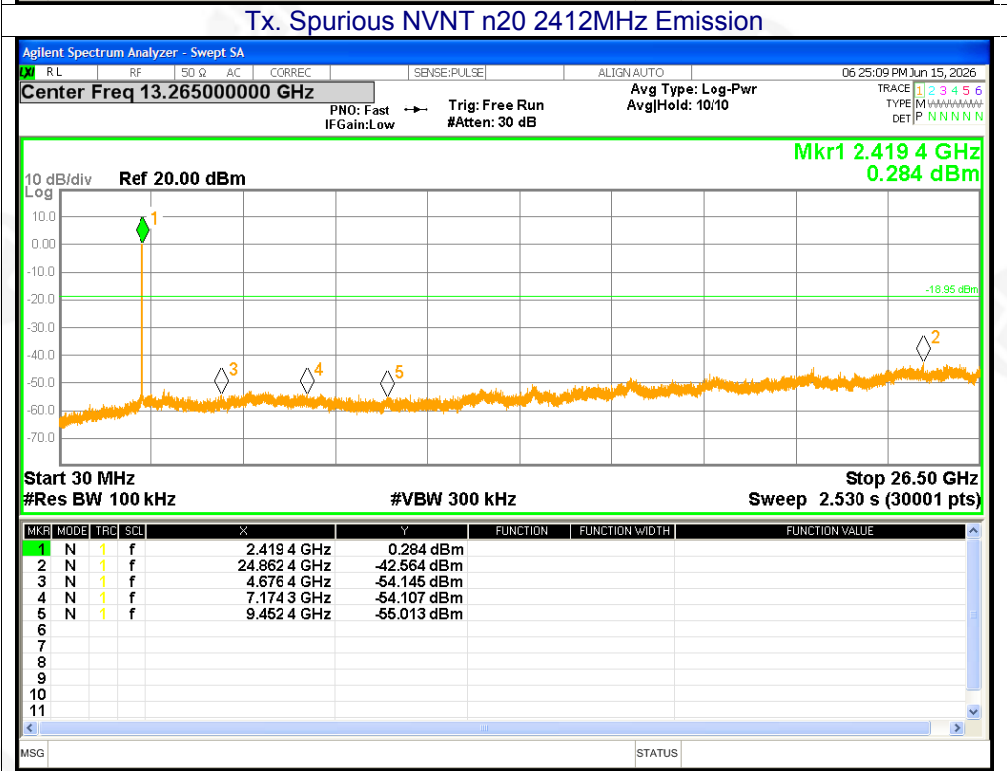
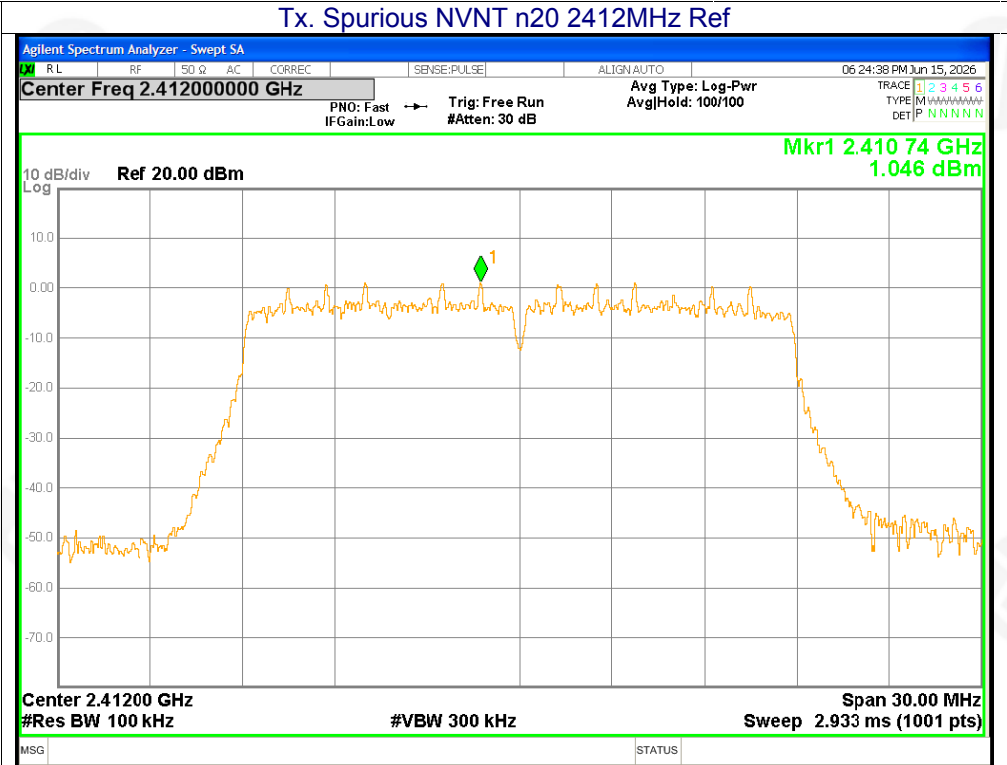






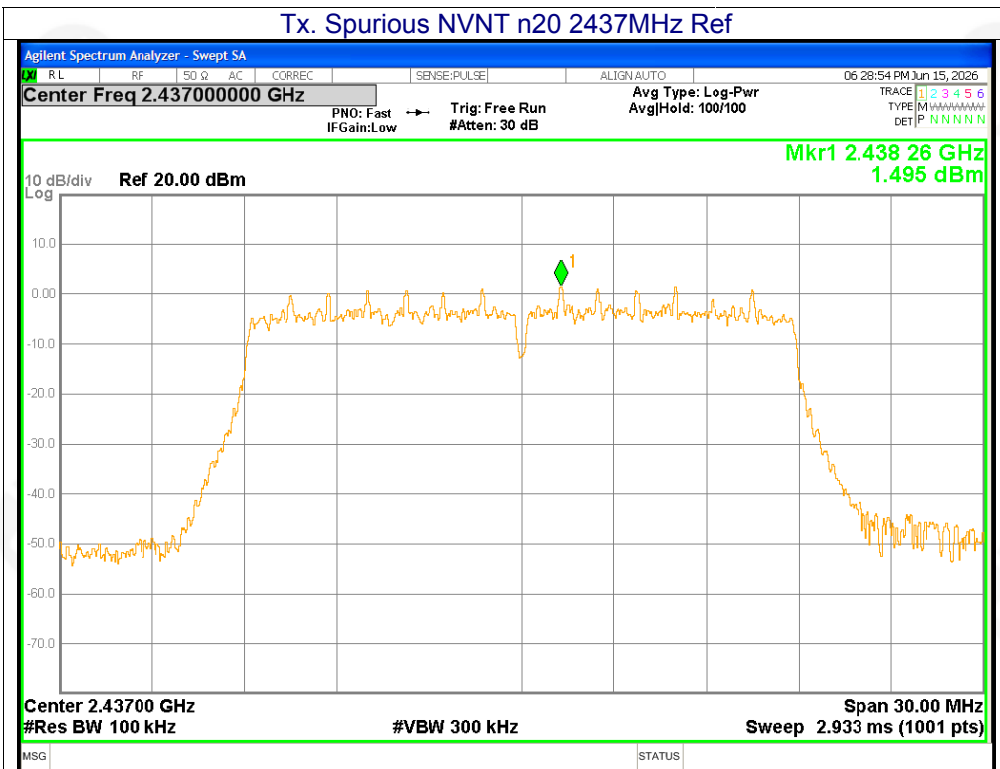




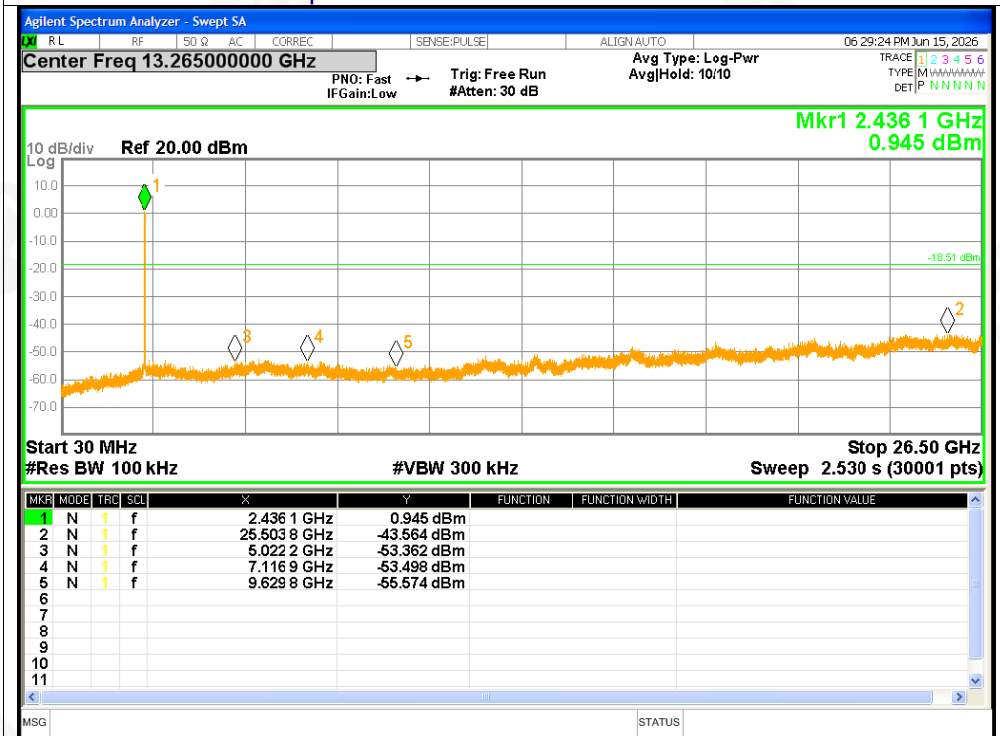




Tx. Spurious NVNT n20 2437MHz Ref

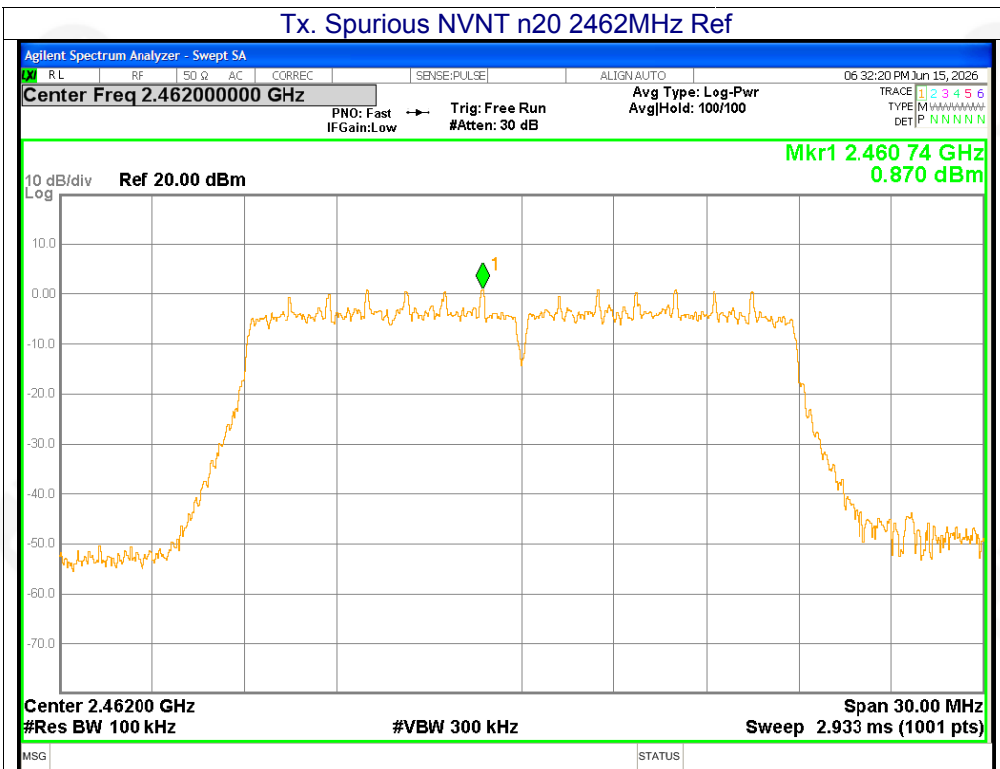


Tx. Spurious NVNT n20 2437MHz Emission

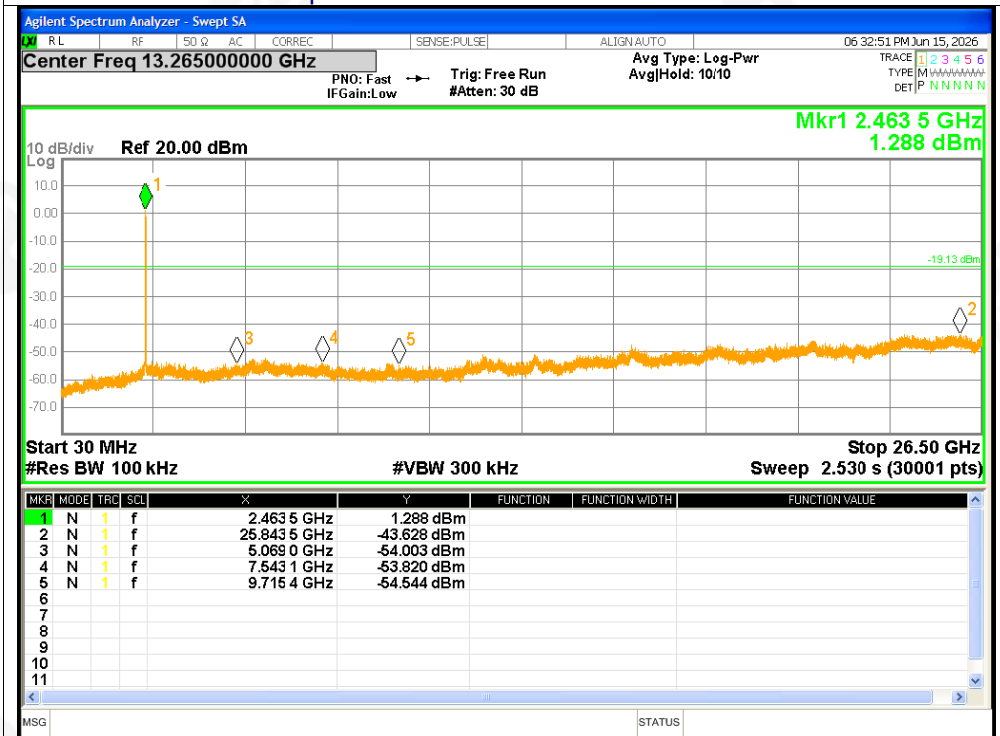




Tx. Spurious NVNT n20 2462MHz Ref

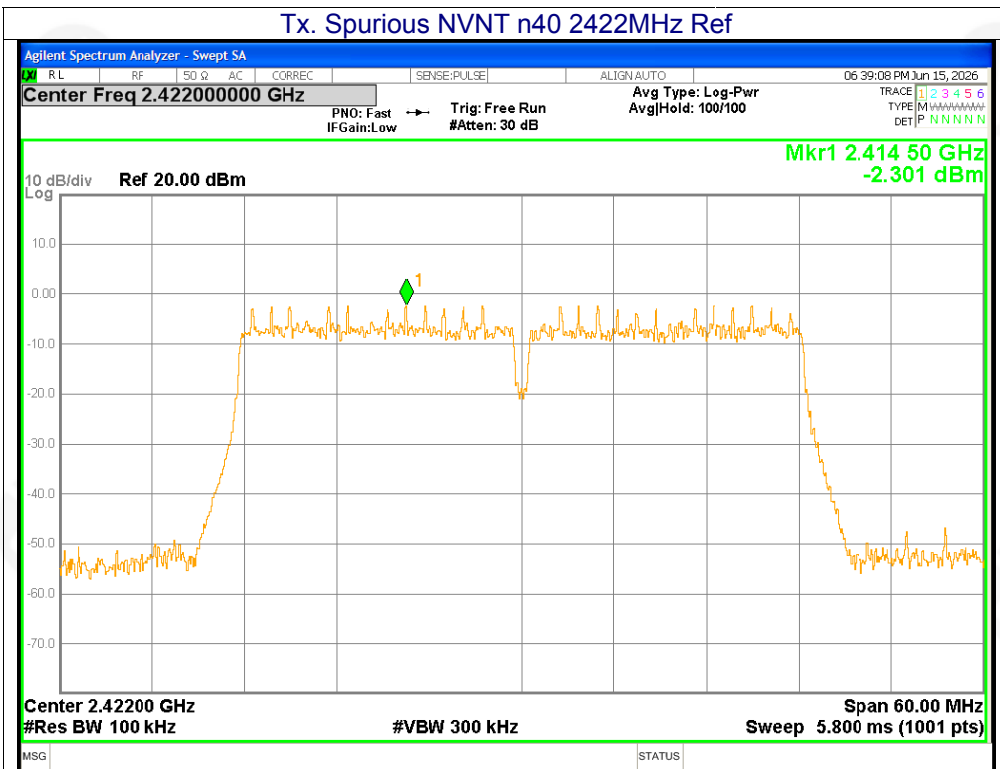


Tx. Spurious NVNT n20 2462MHz Emission

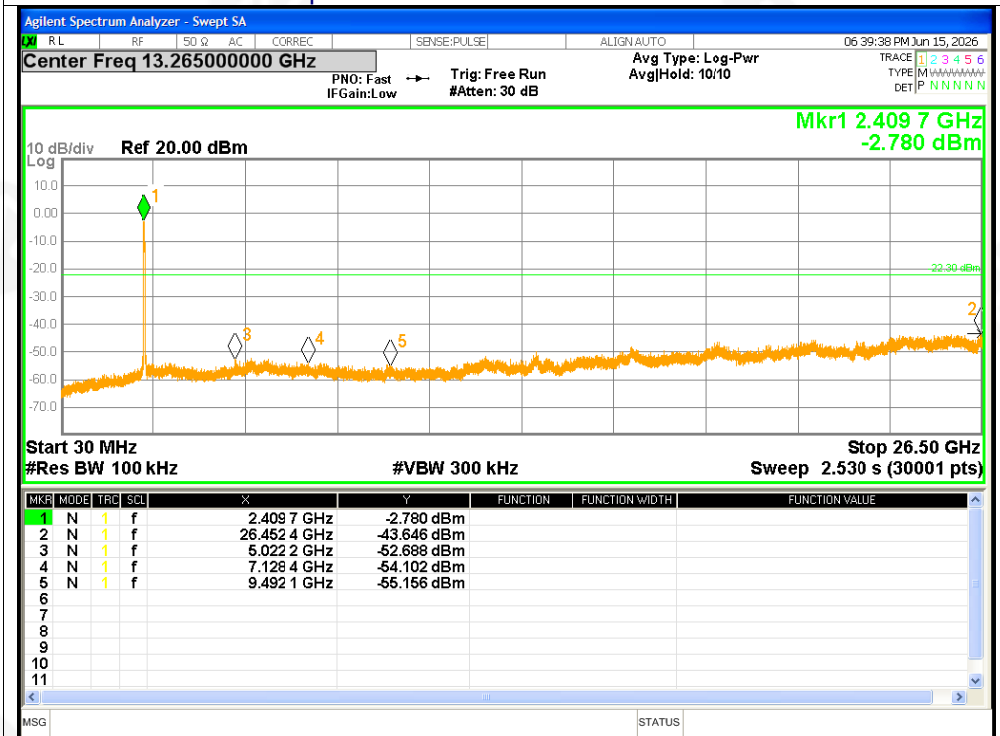




Tx. Spurious NVNT n40 2422MHz Ref

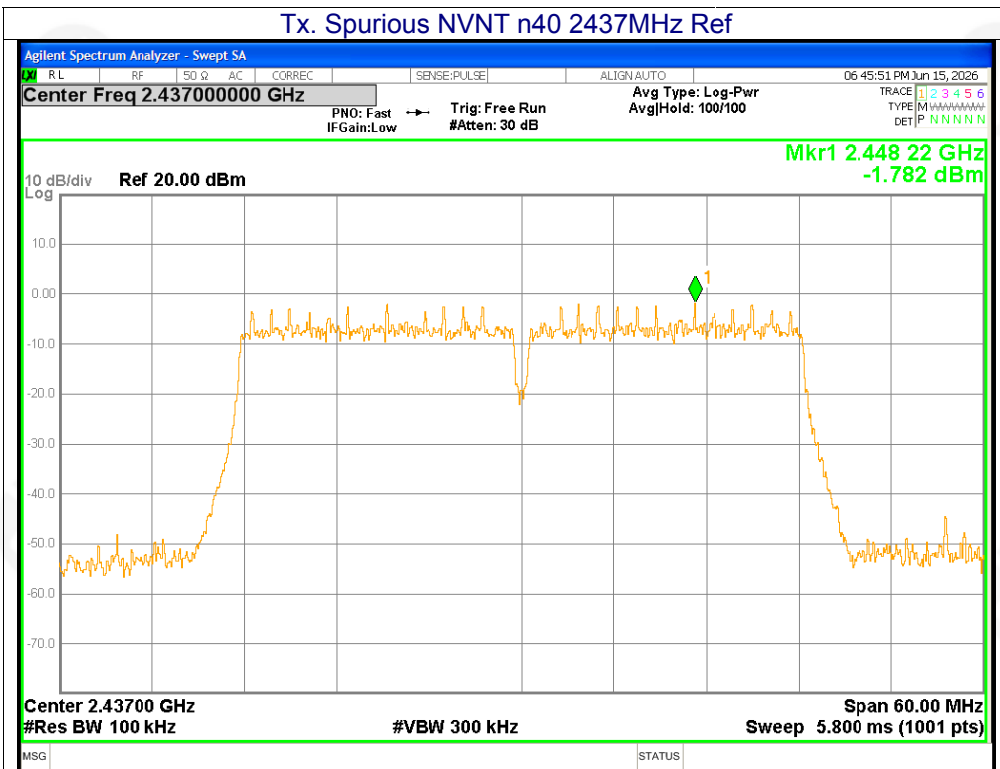


Tx. Spurious NVNT n40 2422MHz Emission

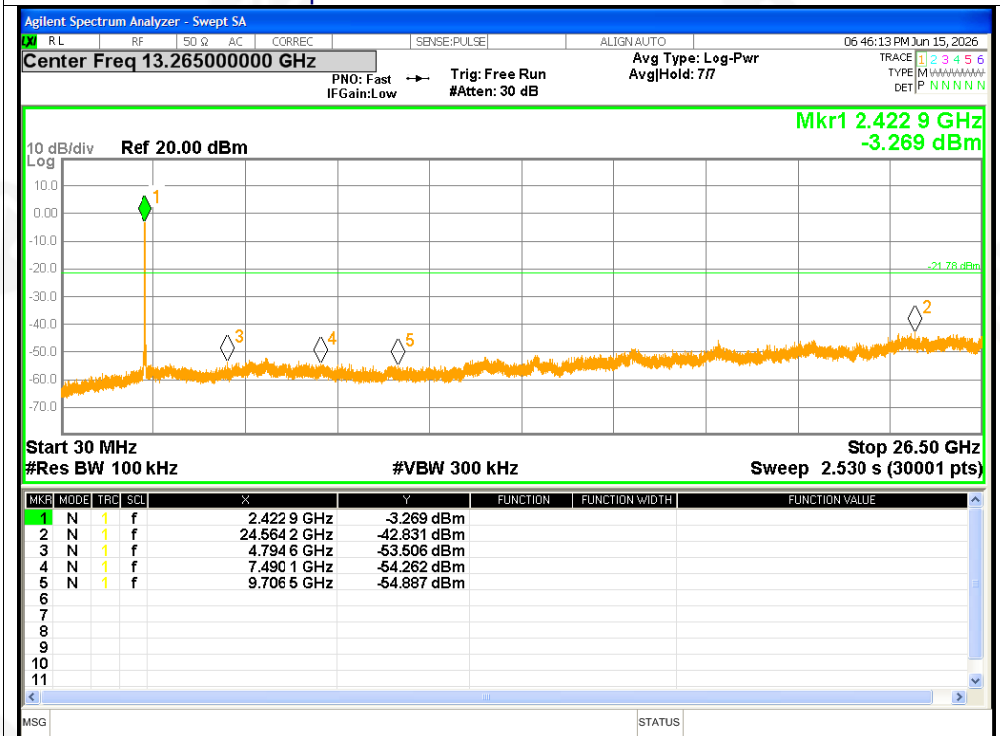




Tx. Spurious NVNT n40 2437MHz Ref

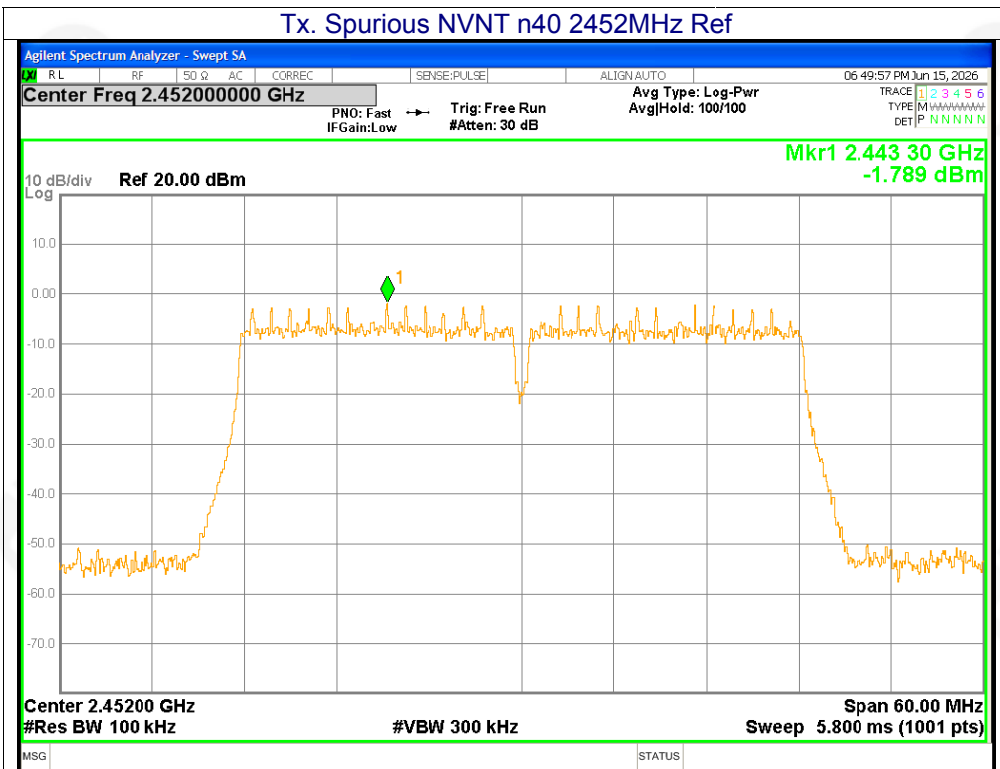


Tx. Spurious NVNT n40 2437MHz Emission

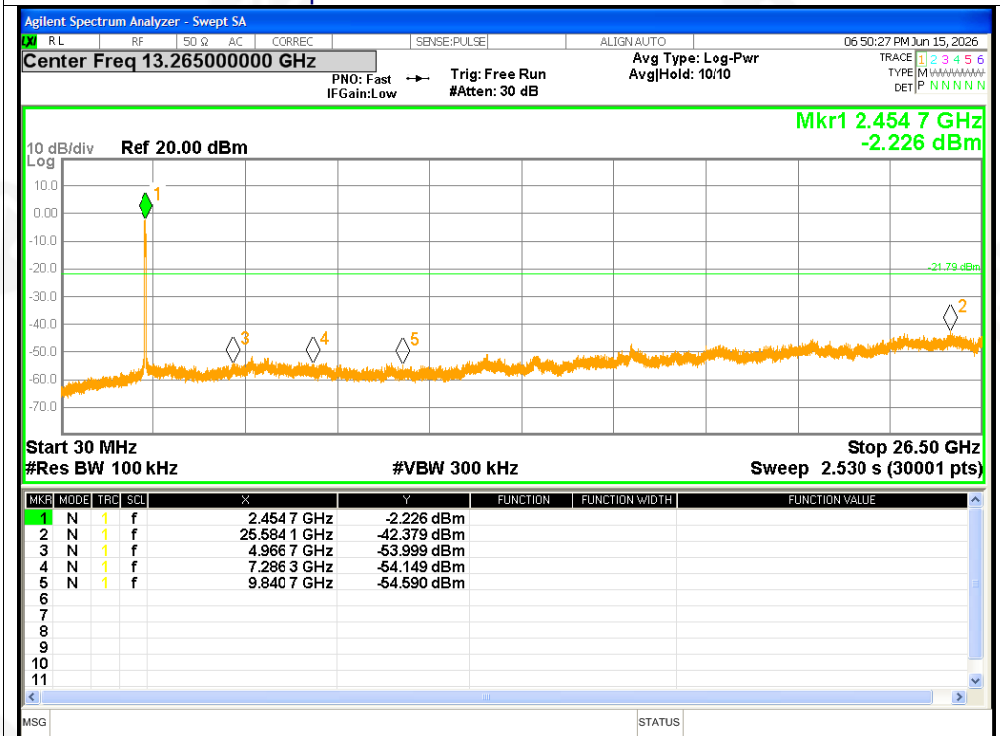




Tx. Spurious NVNT n40 2452MHz Ref



Tx. Spurious NVNT n40 2452MHz Emission





13. TEST SETUP PHOTO

Reference to the appendix I for details.

14. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

***** END OF REPORT *****