



FCC Part 15C Test Report

FCC ID:UU8-ROBAI28

Report Number..... : ZKT-260730L2047E-02

Date of Test..... Apr.29, 2026 to May 22, 2026

Date of issue..... May 22, 2026

Total number of pages..... 130

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 : Lexibook America

Address C/O Pramex International 1251 Avenue of the Americas, 3rd Fl., New York United States

Manufacturer's name : Lexibook America

Address C/O Pramex International 1251 Avenue of the Americas, 3rd Fl., New York United States

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..... : ELO POWERMAN ADVANCE A.I.

Trademark LEXIBOOK

Model/Type reference..... ROBAI28EN
ROBAI28FR

Ratings..... : Input: DC 5V 1A



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





Table of Contents

	Page
1. VERSION	5
2. SUMMARY OF TEST RESULTS	6
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
3. GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 DESCRIPTION OF TEST MODES	9
3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	11
3.5EQUIPMENTS LIST FOR ALL TEST ITEMS	12
4. EMC EMISSION TEST	14
4.1 CONDUCTED EMISSION MEASUREMENT	14
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
4.1.2 TEST PROCEDURE	14
4.1.3 DEVIATION FROM TEST STANDARD	14
4.1.4 TEST SETUP	15
4.1.5 EUT OPERATING CONDITIONS	15
4.1.6 TEST RESULT	16
4.2.1 RADIATED EMISSION LIMITS	18
4.2.2 TEST PROCEDURE	18
4.2.3 DEVIATION FROM TEST STANDARD	19
4.2.4 TEST SETUP	19
4.2.5 EUT OPERATING CONDITIONS	20
4.2.6 TEST RESULTS	21
5. RADIATED BANDEMISSIONMEASUREMENT	51
5.1 TEST REQUIREMENT	51
5.2 TEST PROCEDURE	51
5.3 DEVIATION FROM TEST STANDARD	52
5.4 TEST SETUP	52
5.5 EUT OPERATING CONDITIONS	52
5.6 TEST RESULT	53
6. POWER SPECTRAL DENSITY TEST	61
6.1 APPLIED PROCEDURES / LIMIT	61
6.2 TEST PROCEDURE	61
6.3 DEVIATION FROM STANDARD	61



6.4 TEST SETUP	61
6.5 EUT OPERATION CONDITIONS	61
6.6 TEST RESULT	62
7. 6DB OCCUPIED BANDWIDTH	72
7.1 APPLIED PROCEDURES / LIMIT	72
7.2 TEST PROCEDURE	72
7.3 DEVIATION FROM STANDARD	72
7.4 TEST SETUP	72
7.5 EUT OPERATION CONDITIONS	72
7.6 TEST RESULT	73
8. PEAK OUTPUT POWER TEST	83
8.1 APPLIED PROCEDURES/LIMIT	83
8.2 TEST PROCEDURE	83
8.3 DEVIATION FROM STANDARD	83
8.4 TEST SETUP	83
8.5 EUT OPERATION CONDITIONS	83
8.6 TEST RESULT	84
9. CONDUCTED BAND EDGE AND SPURIOUS EMISSION	85
9.1 APPLICABLE STANDARD	85
9.2 TEST PROCEDURE	85
9.3 DEVIATION FROM STANDARD	86
9.4 TEST SETUP	86
9.5 EUT OPERATION CONDITIONS	86
9.6 TEST RESULTS	87
10. DUTY CYCLE	118
10.1 APPLIED PROCEDURES / LIMIT	118
10.2 DEVIATION FROM STANDARD	118
10.3 TEST SETUP	118
10.4 TEST RESULTS	119
11. ANTENNA REQUIREMENT	129
12. TEST SETUP PHOTO	130
13. EUT CONSTRUCTIONAL DETAILS	130



1. VERSION

Report No.	Version	Description	Approved
ZKT-260730L2047E-02	Rev.01	Initial issue of report	May 22, 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)	$U=4.5\text{dB}$
2	3m chamber Radiated spurious emission (30MHz-1GHz)	$U=4.8\text{dB}$
3	3m chamber Radiated spurious emission (1GHz-6GHz)	$U=4.9\text{dB}$
4	3m chamber Radiated spurious emission (6GHz-40GHz)	$U=5.0\text{dB}$
5	Conducted Disturbance	$U=3.2\text{dB}$
6	RF Band Edge	$U=1.68\text{dB}$
7	RF Power Conducted	$U=1.86\text{dB}$
8	RF Conducted Spurious Emission	$U=2.2\text{dB}$
9	RF Occupied Bandwidth	$U=1.8\text{MHz}$
10	RF Power Spectral Density	$U=1.75\text{dB}$
11	Humidity Uncertainty	$U=5.3\%$
12	Temperature Uncertainty	$U=0.59^{\circ}\text{C}$
13	Duty Cycle	$U=1.3\text{dB}$



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	ELO POWERMAN ADVANCE A.I.
Trade Mark:	LEXIBOOK
Model No.:	ROBAI28EN
Serial No.:	ROBAI28FR
Model Different.:	Only the model names are different.
Hardware Version:	V1.0
Software Version:	V1.12.26
Sample(s) Status:	Engineer sample
Channel numbers:	802.11b/g/n/ax20:11 CH 802.11n/ax40: 7 CH
Modulation technology:	802.11b: Direct Sequence Spread Spectrum(DSSS) 802.11g/n/ax: 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 802.11ax20/ax40: NSS1 MCS0-MCS7
Antenna Type:	FPC
Antenna gain:	0.88dBi
Power supply:	Input: DC 5V 1A
Battery Capacity:	Rated Voltage: 3.7V Capacity: 1200mAh

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.

Note3: The 802.11ax mode only support full RU.



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/ax20	802.11n40/ax40
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.	

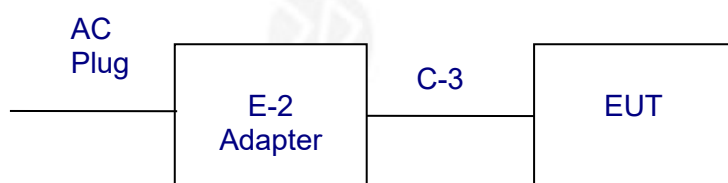
We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:				
Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.				
Mode	802.11b	802.11g	802.11n20/n40	802.11ax20/ax40
Data rate	1Mbps	6Mbps	MCS0(HT0)	NSS1 MCS0

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Test Software & Version
WIFI(2.4G)	2.4G WIFI	802.11b	0.88	12.5	Wifi_Test_Tool_V1.7.8.1
		802.11g		12.5	
		802.11n(HT20)		12.5	
		802.11n(HT40)		12.5	
		802.11ax(HE20)		12.5	
		802.11ax(HE40)		12.5	

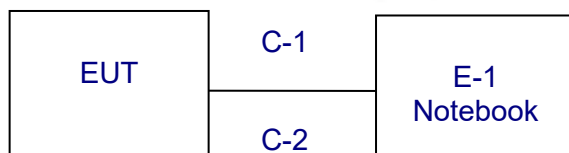


3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

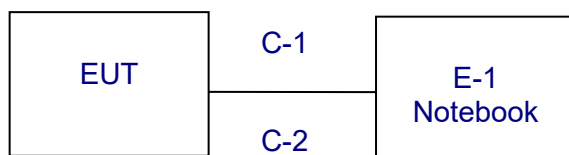
Conducted Emission



Radiated Emission



RF Conducted Spurious





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.	Note
E-1	Notebook	HP	ST2	N/A
E-2	Adapter	UGREEN	X569	N/A
C-1	Serial port board	XES	WTYZK	N/A
C-2	USB Cable	MI	RYEW3A	N/A
C-3	USB Cable	ZTC	NB-A515A	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-2	Shielded	NO	150cm	N/A
C-3	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 23, 2025	May 22, 2026
						May 22, 2026	May 21, 2027
4	EMI Test Receiver	R&S	ESC13	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	ESC17	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 26, 2025	May 25, 2026
12	Test Cable	N/A	R-02	N/A	N/A	May 26, 2025	May 25, 2026
13	Test Cable	N/A	R-03	N/A	N/A	May 26, 2025	May 25, 2026
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 26, 2025	May 25, 2026
4	Test Cable	N/A	RF-02	N/A	N/A	May 26, 2025	May 25, 2026
5	Test Cable	N/A	RF-03	N/A	N/A	May 26, 2025	May 25, 2026
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

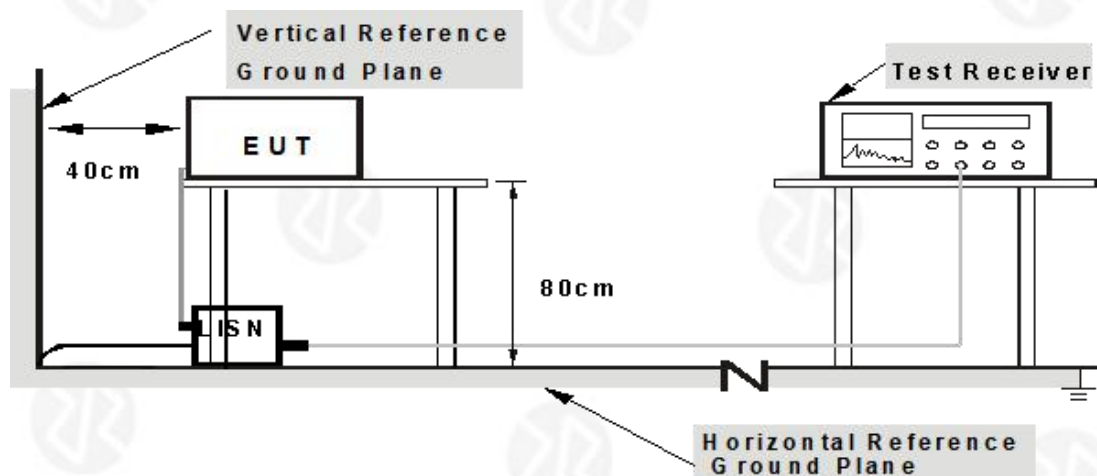
- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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

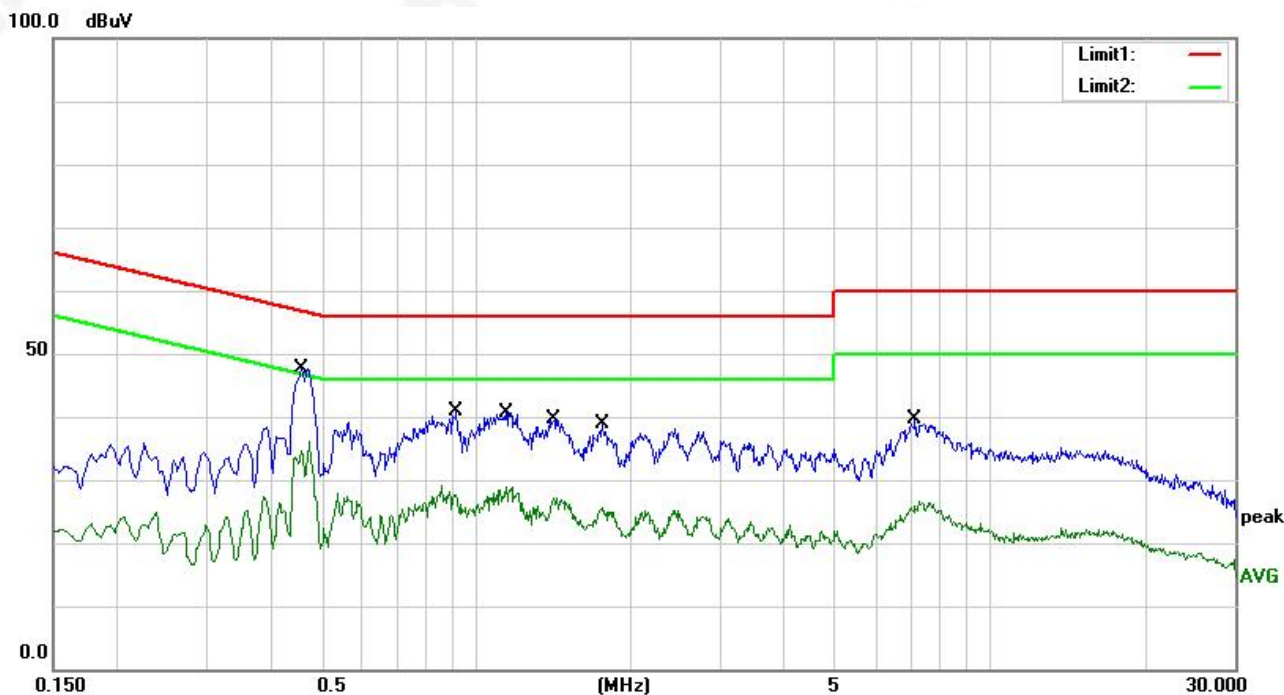
4.1.5 EUT OPERATING CONDITIONS

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°C	Relative Humidity:	62.1%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode:	TX 802.11b - 2412MHz



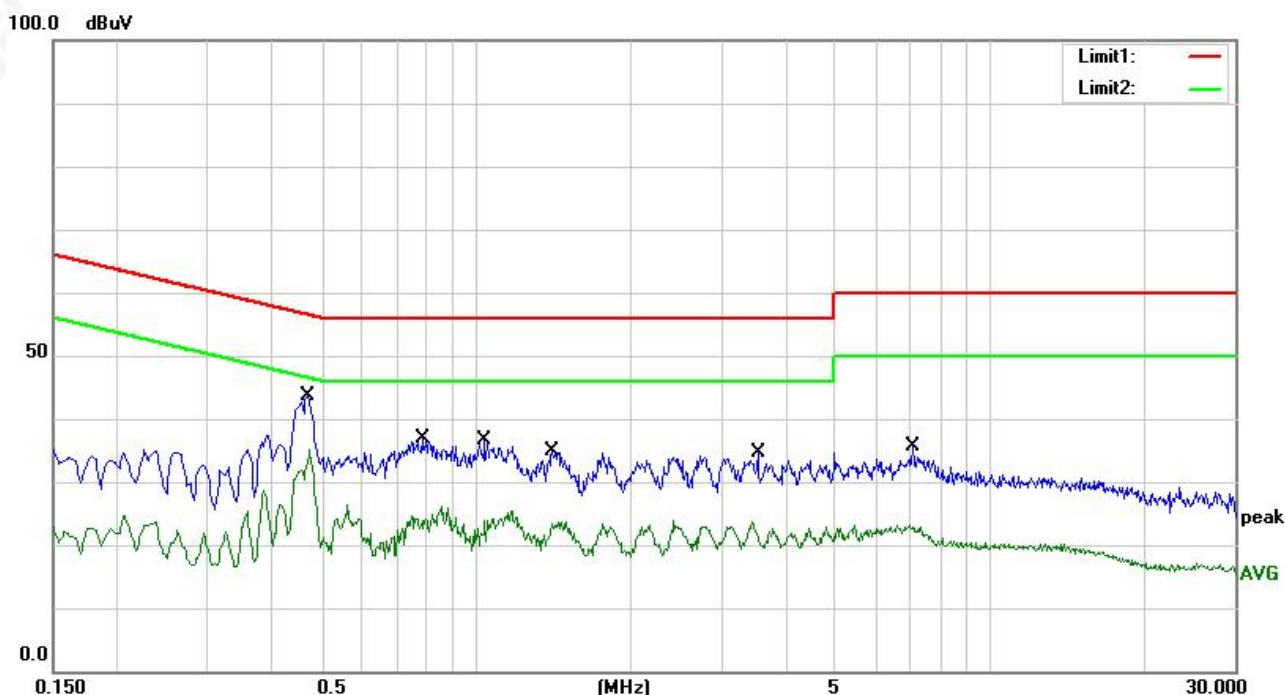
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4580	28.32	19.39	47.71	56.73	-9.02	QP
2	0.4580	16.81	19.39	36.20	46.73	-10.53	AVG
3	0.9140	21.64	19.35	40.99	56.00	-15.01	QP
4	0.9140	9.68	19.35	29.03	46.00	-16.97	AVG
5	1.1460	21.39	19.35	40.74	56.00	-15.26	QP
6	1.1460	9.61	19.35	28.96	46.00	-17.04	AVG
7	1.4220	20.38	19.36	39.74	56.00	-16.26	QP
8	1.4220	7.84	19.36	27.20	46.00	-18.80	AVG
9	1.7620	19.39	19.37	38.76	56.00	-17.24	QP
10	1.7620	6.31	19.37	25.68	46.00	-20.32	AVG
11	7.1380	20.02	19.50	39.52	60.00	-20.48	QP
12	7.1380	7.13	19.50	26.63	50.00	-23.37	AVG

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 802.11b - 2412MHz.



Temperature:	26°C	Relative Humidity:	62.1%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode:	TX 802.11b - 2412MHz



	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.4700	24.15	19.39	43.54	56.51	-12.97	QP
2	0.4700	15.74	19.39	35.13	46.51	-11.38	AVG
3	0.7860	17.42	19.35	36.77	56.00	-19.23	QP
4	0.7860	6.67	19.35	26.02	46.00	-19.98	AVG
5	1.0420	17.17	19.34	36.51	56.00	-19.49	QP
6	1.0420	6.15	19.34	25.49	46.00	-20.51	AVG
7	1.4100	15.59	19.36	34.95	56.00	-21.05	QP
8	1.4100	4.25	19.36	23.61	46.00	-22.39	AVG
9	3.5420	15.11	19.43	34.54	56.00	-21.46	QP
10	3.5420	4.18	19.43	23.61	46.00	-22.39	AVG
11	7.0700	16.05	19.49	35.54	60.00	-24.46	QP
12	7.0700	3.59	19.49	23.08	50.00	-26.92	AVG

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 802.11b - 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 (micorvolts/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 variable-height antenna tower.
- c. The antenna height is varied 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 1 meter) 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 10dB margin 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:

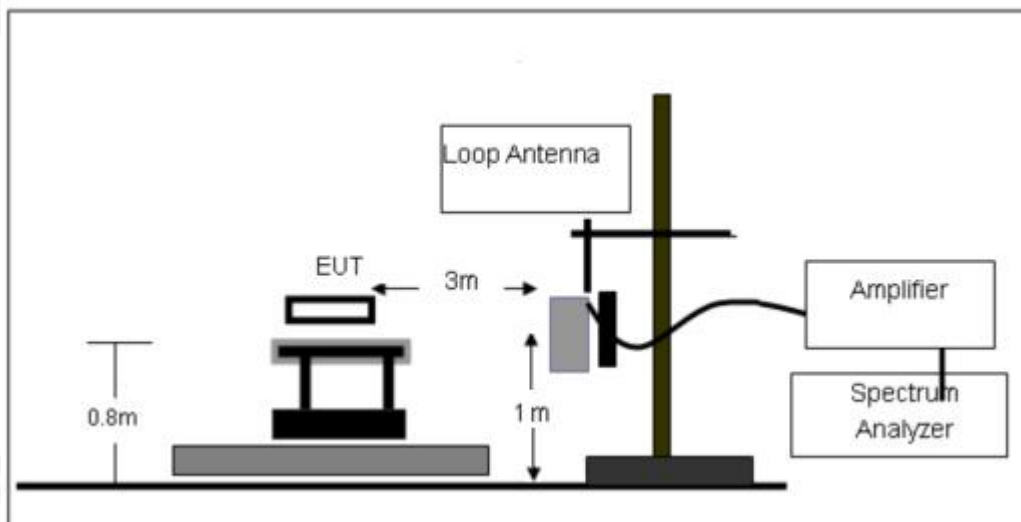
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

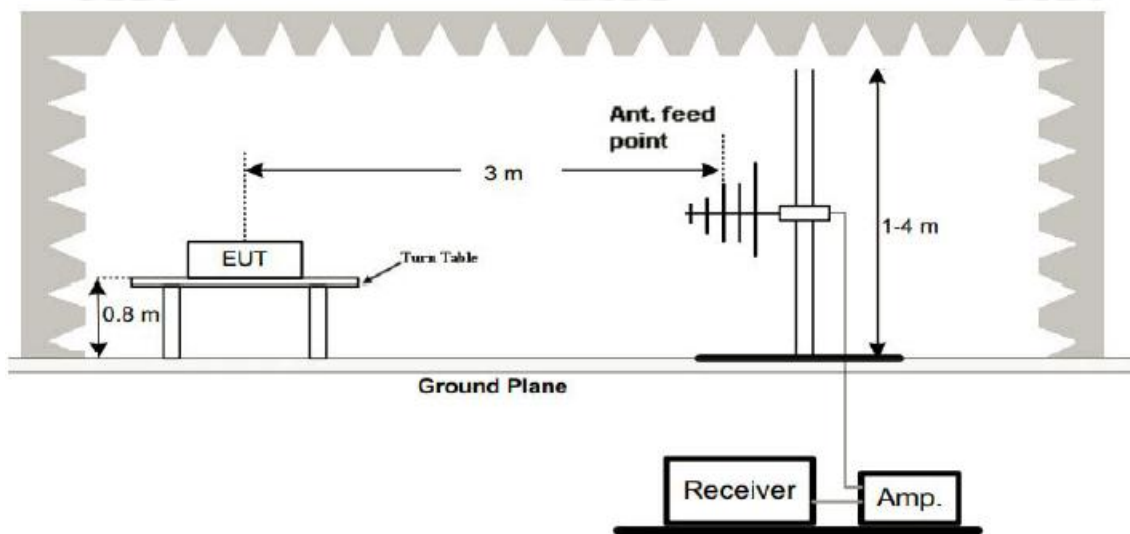
4.2.4 TEST SETUP

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

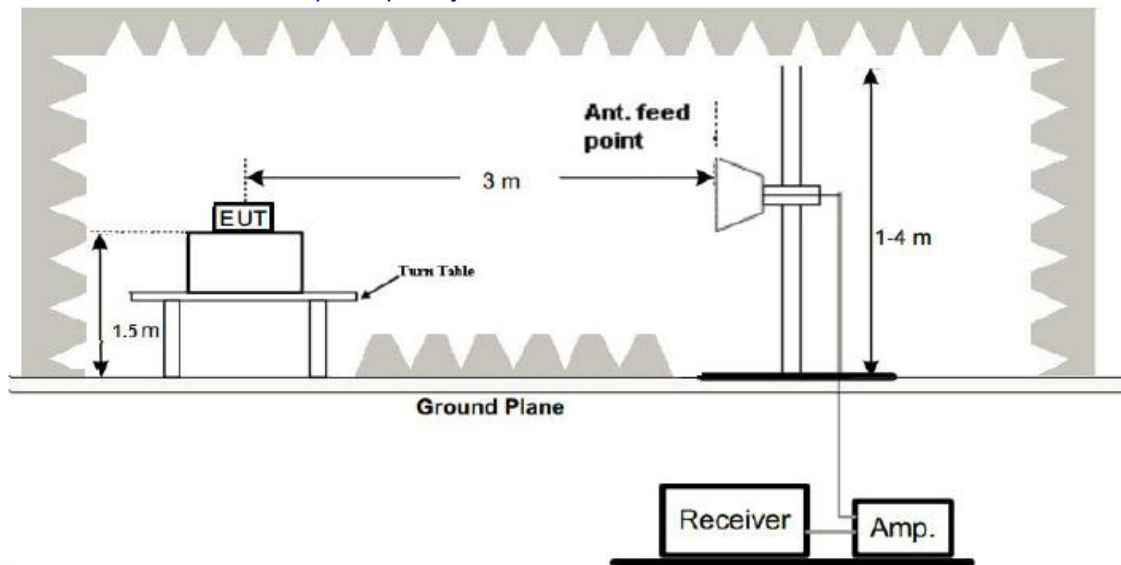




(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(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 follows during the testing.

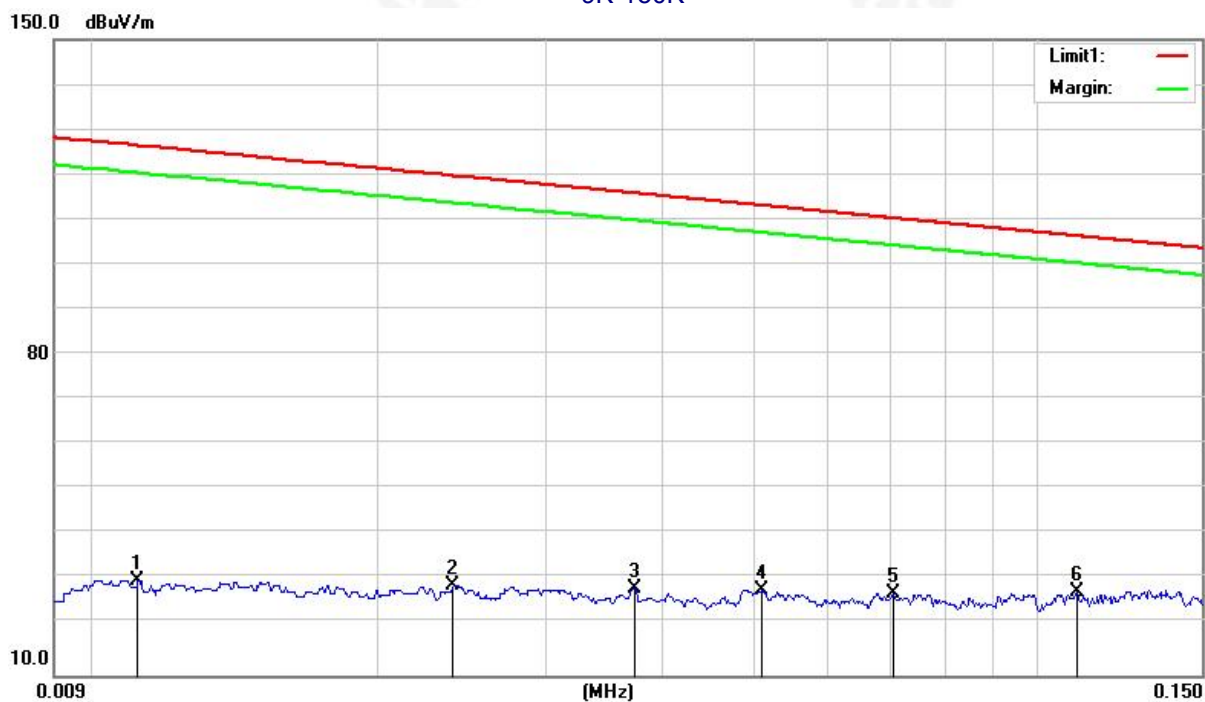


4.2.6 TEST RESULTS

Between 9KHz – 30MHz

Temperature:	23.4℃	Relative Humidity:	60%
Test Voltage:	DC 3.7V	Polarization:	--
Test Mode:	TX 802.11b - 2412MHz		

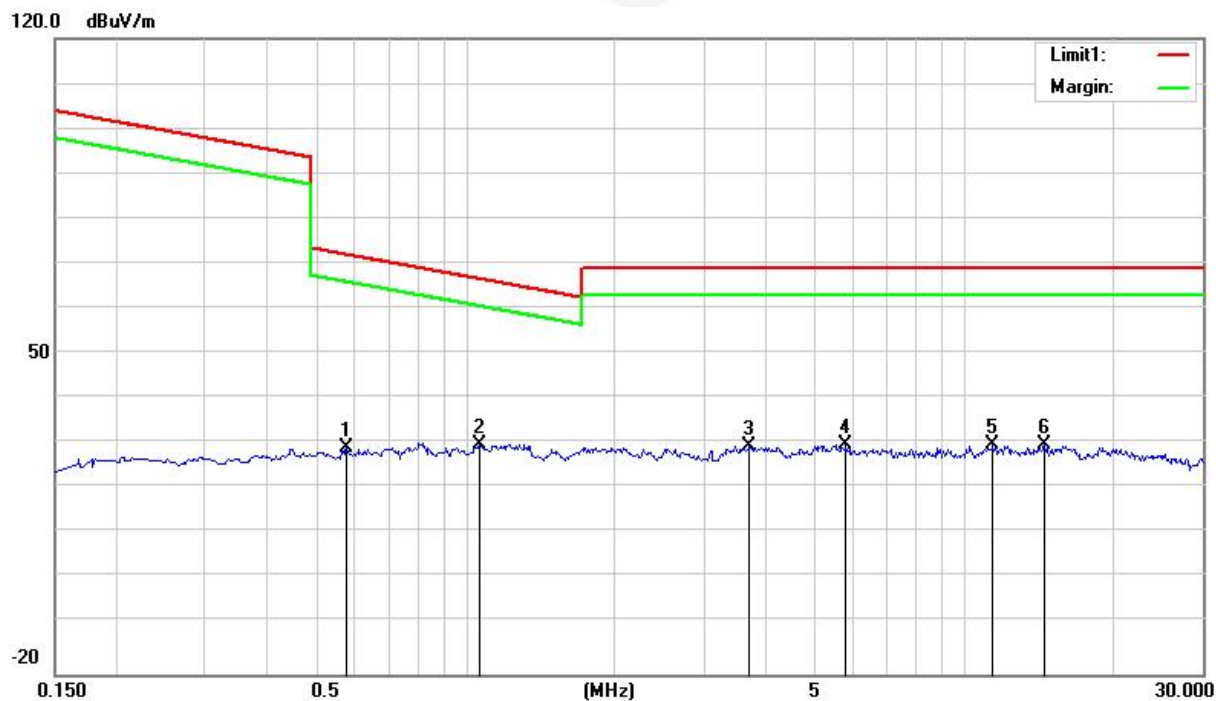
Coxial
9K-150K



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0111	11.35	19.45	30.80	126.70	-95.90	AVG
2	0.0240	9.71	20.02	29.73	120.00	-90.27	AVG
3	0.0374	9.38	19.75	29.13	116.15	-87.02	AVG
4	0.0510	9.28	19.47	28.75	113.45	-84.70	AVG
5	0.0704	9.13	18.93	28.06	110.65	-82.59	AVG
6	0.1105	10.71	17.58	28.29	106.74	-78.45	AVG



150K-30M



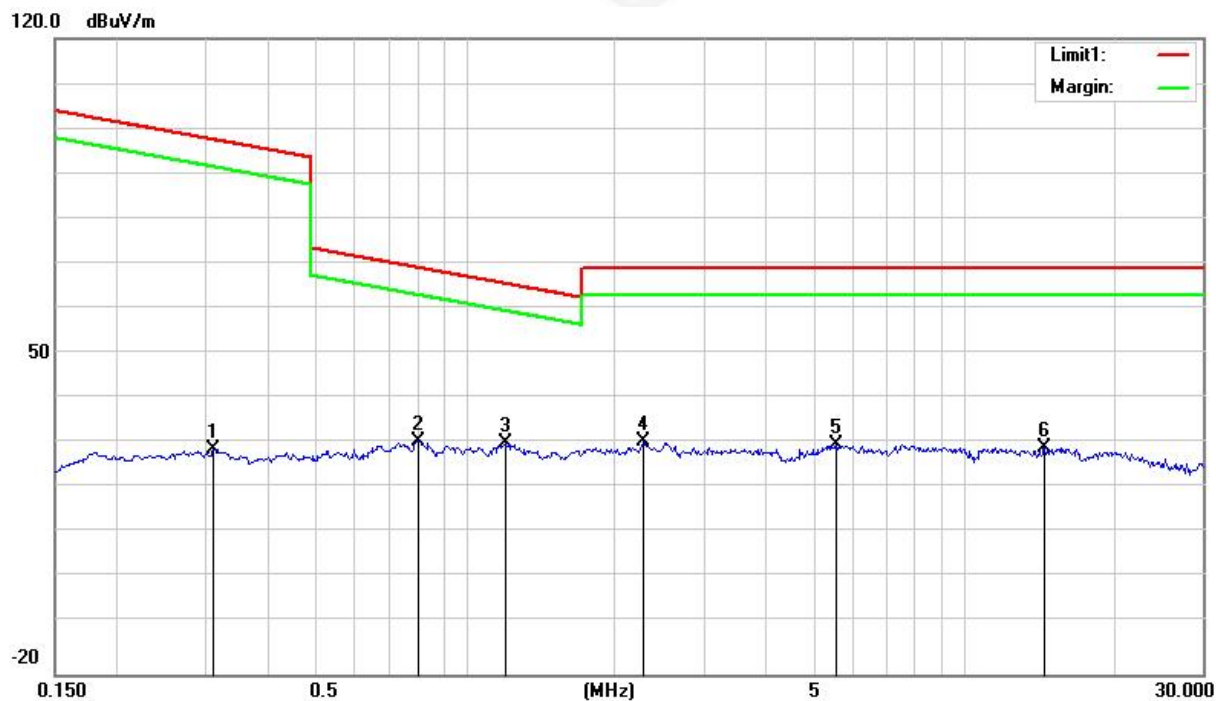
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5762	9.49	20.23	29.72	72.39	-42.67	QP
2	1.0650	10.29	20.21	30.50	67.06	-36.56	QP
3	3.7021	9.84	20.31	30.15	69.50	-39.35	QP
4	5.7915	10.26	20.45	30.71	69.50	-38.79	QP
5	11.4032	9.98	20.51	30.49	69.50	-39.01	QP
6	14.4481	9.30	21.18	30.48	69.50	-39.02	QP



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0165	12.43	19.85	32.28	123.26	-90.98	AVG
2	0.0240	11.57	20.02	31.59	120.00	-88.41	AVG
3	0.0388	11.37	19.72	31.09	115.83	-84.74	AVG
4	0.0454	11.19	19.59	30.78	114.46	-83.68	AVG
5	0.0600	10.13	19.22	29.35	112.04	-82.69	AVG
6	0.0956	11.04	17.81	28.85	108.00	-79.15	QP



150K-30M



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.3113	9.54	20.12	29.66	97.74	-68.08	AVG
2	0.8002	11.11	20.28	31.39	69.54	-38.15	QP
3	1.2034	10.52	20.24	30.76	66.00	-35.24	QP
4	2.2726	11.01	20.32	31.33	69.50	-38.17	QP
5	5.5230	9.97	20.47	30.44	69.50	-39.06	QP
6	14.4481	8.80	21.18	29.98	69.50	-39.52	QP

Note:

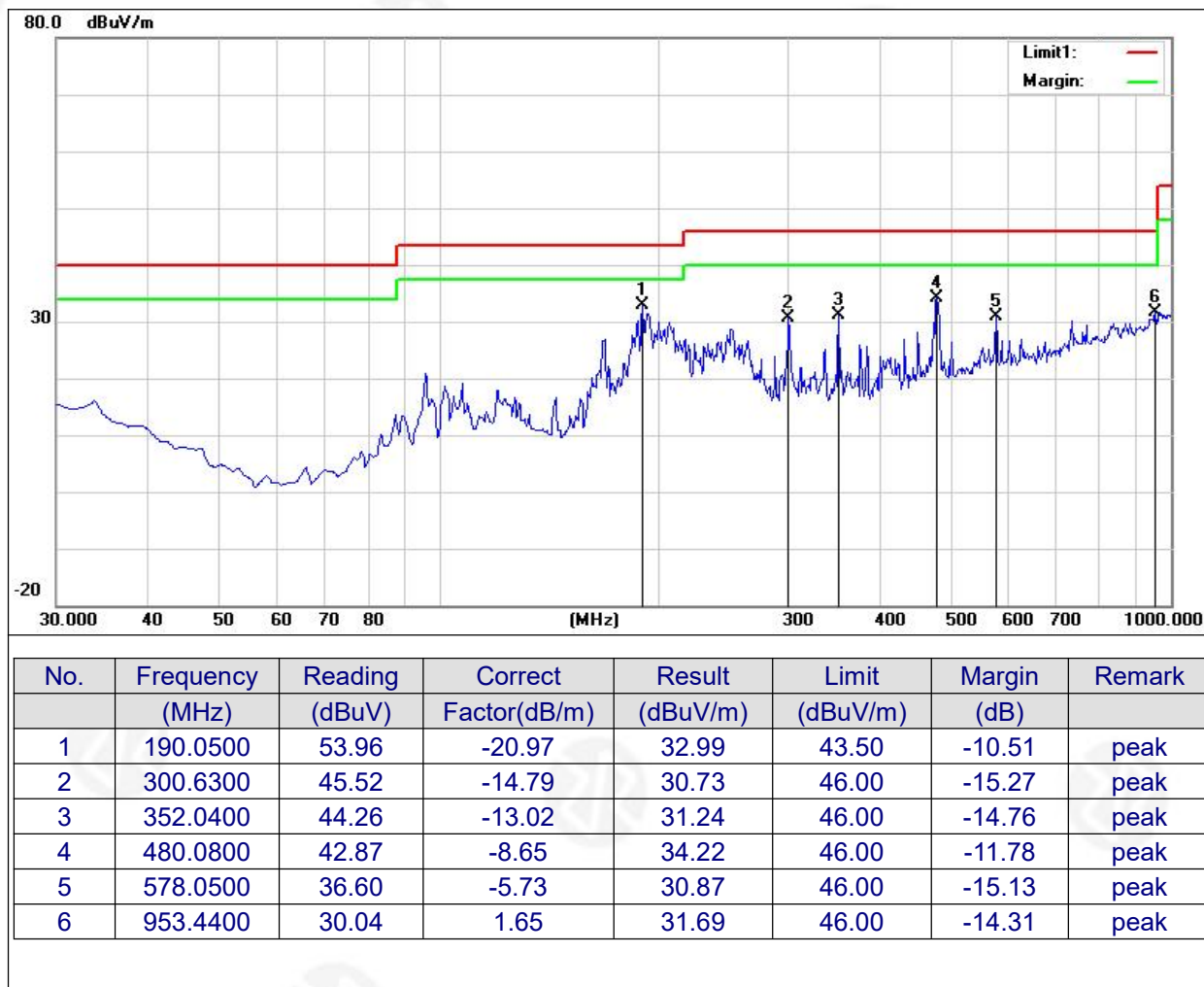
Distance extrapolation factor = $40 \log (\text{specific distance}/\text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.



Between 30MHz – 1GHz

Temperature:	23.4℃	Relative Humidity:	60%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test Mode :	TX 802.11b - 2412MHz



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 caseTX 802.11b - 2412MHz.



Temperature:	23.4℃	Relative Humidity:	60%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test Mode :	TX 802.11b - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	192.9600	59.23	-21.08	38.15	43.50	-5.35	peak
2	301.6000	45.16	-14.75	30.41	46.00	-15.59	peak
3	401.5100	42.40	-11.06	31.34	46.00	-14.66	peak
4	480.0800	39.73	-8.65	31.08	46.00	-14.92	peak
5	733.2500	31.91	-2.35	29.56	46.00	-16.44	peak
6	972.8400	30.28	2.19	32.47	54.00	-21.53	peak

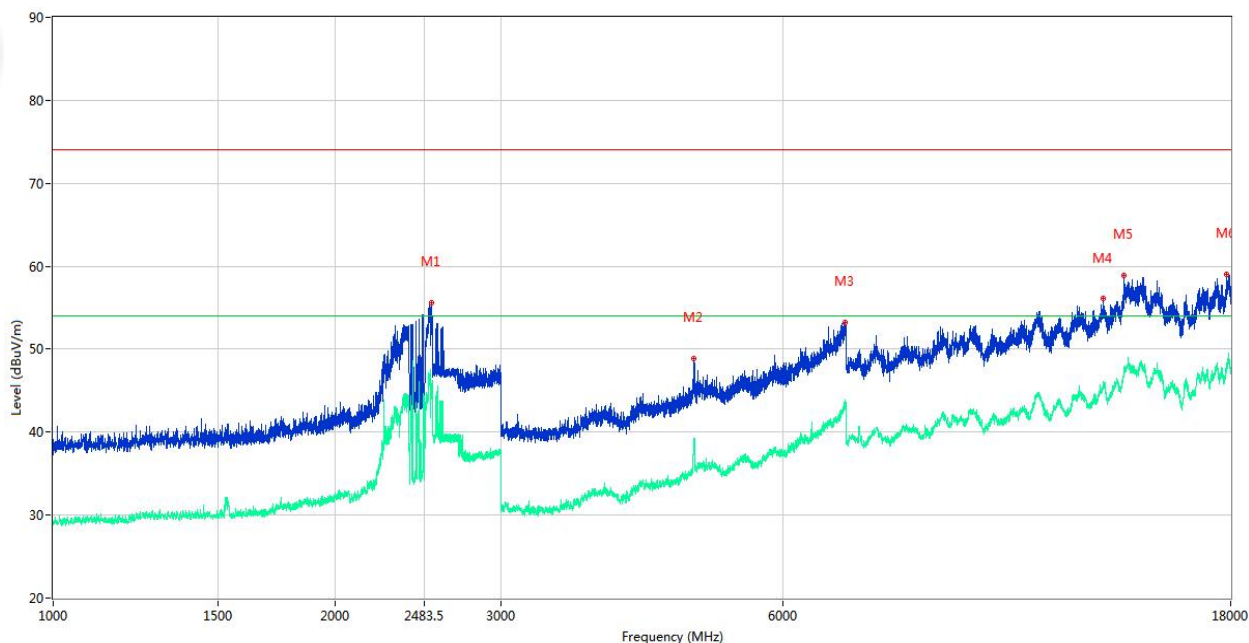
Remarks:

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 caseTX 802.11b - 2412MHz.

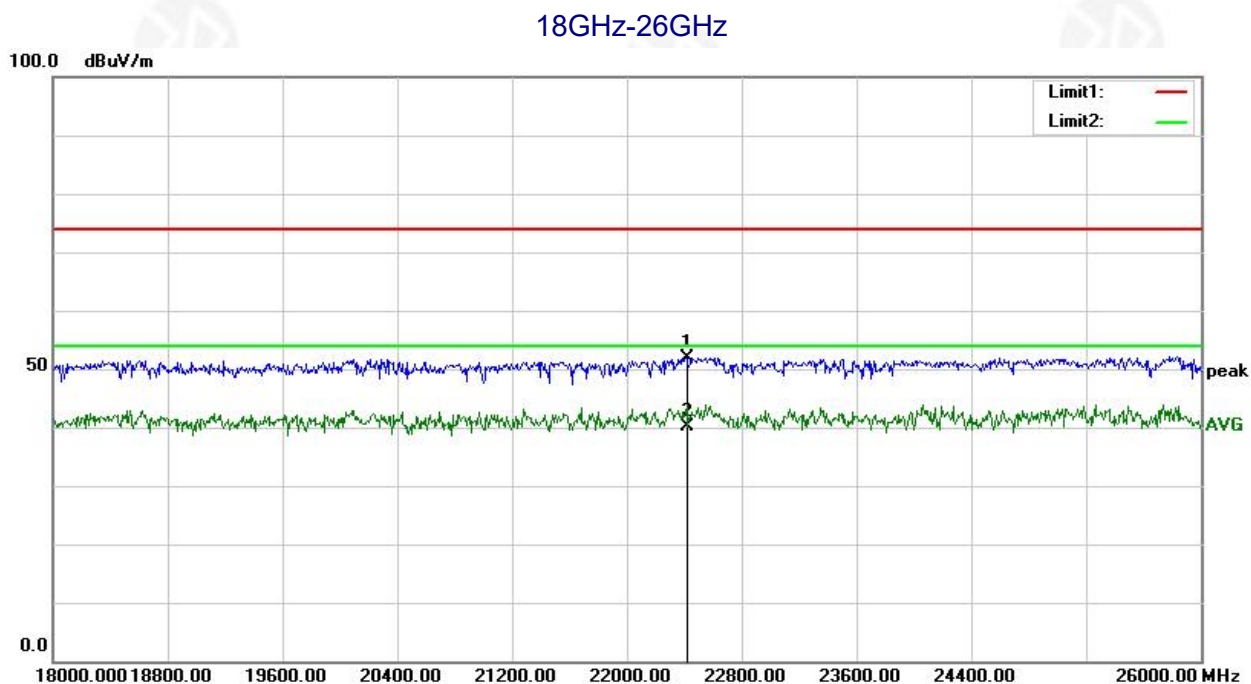


1GHz~25GHz

Worst mode (802.11b)
Low Channel
Horizontal



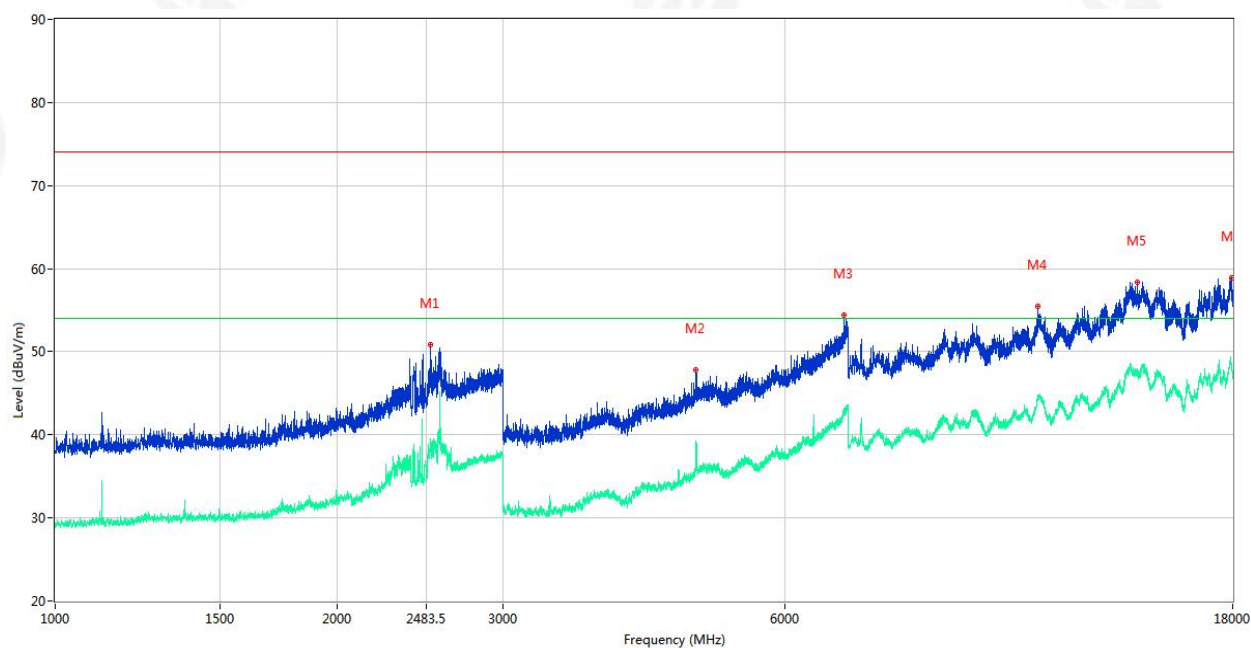
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2530.000	55.64	3.39	74.0	-18.36	Peak	358.70	Horizontal	Pass
1**	2530.000	44.76	3.39	54.0	-9.24	AV	358.70	Horizontal	Pass
2	4820.000	48.89	-6.93	74.0	-25.11	Peak	0.00	Horizontal	Pass
2**	4820.000	38.51	-6.93	54.0	-15.49	AV	0.00	Horizontal	Pass
3	6987.000	53.25	1.21	74.0	-20.75	Peak	0.70	Horizontal	Pass
3**	6987.000	43.88	1.21	54.0	-10.12	AV	0.70	Horizontal	Pass
4	13154.500	56.06	5.00	74.0	-17.94	Peak	278.90	Horizontal	Pass
4**	13154.500	45.52	5.00	54.0	-8.48	AV	278.90	Horizontal	Pass
5	13866.750	58.89	6.71	74.0	-15.11	Peak	229.50	Horizontal	Pass
5**	13866.750	47.83	6.71	54.0	-6.17	AV	229.50	Horizontal	Pass
6	17807.499	58.99	6.44	74.0	-15.01	Peak	2.60	Horizontal	Pass
6**	17807.499	47.61	6.44	54.0	-6.39	AV	2.60	Horizontal	Pass



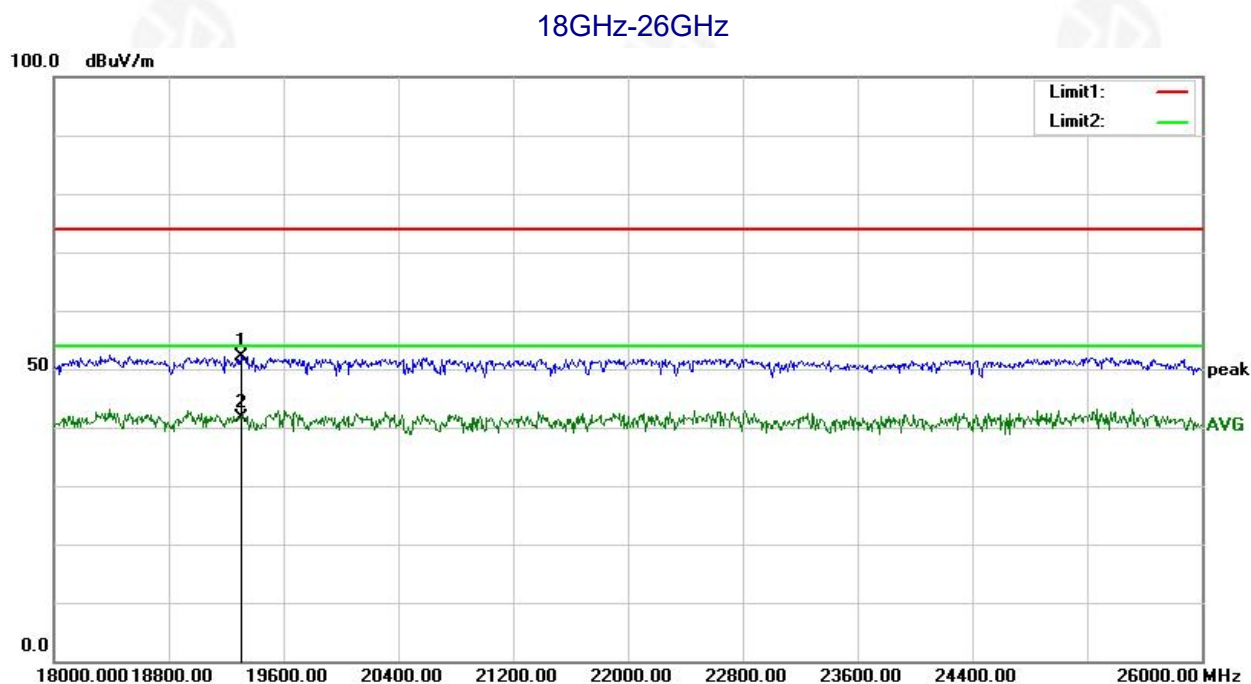
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/ m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	22416.000	48.15	3.83	51.98	74.00	-22.02	peak
2	22416.000	36.42	3.83	40.25	54.00	-13.75	AVG



Vertical
1GHz-18GHz



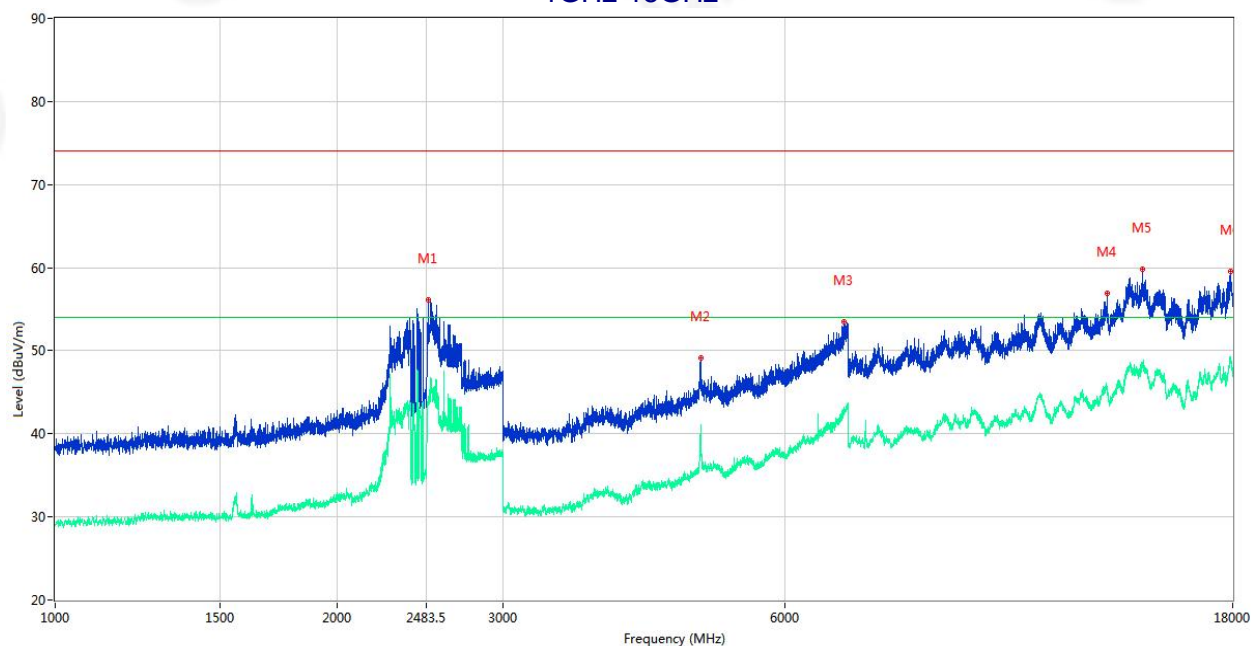
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2515.000	50.87	3.26	74.0	-23.13	Peak	107.70	Vertical	Pass
1**	2515.000	39.32	3.26	54.0	-14.68	AV	107.70	Vertical	Pass
2	4823.000	47.82	-6.90	74.0	-26.18	Peak	264.00	Vertical	Pass
2**	4823.000	38.60	-6.90	54.0	-15.40	AV	264.00	Vertical	Pass
3	6940.000	54.35	0.83	74.0	-19.65	Peak	353.70	Vertical	Pass
3**	6940.000	42.81	0.83	54.0	-11.19	AV	353.70	Vertical	Pass
4	11149.750	55.51	2.35	74.0	-18.49	Peak	111.00	Vertical	Pass
4**	11149.750	44.35	2.35	54.0	-9.65	AV	111.00	Vertical	Pass
5	14232.500	58.41	6.93	74.0	-15.59	Peak	39.20	Vertical	Pass
5**	14232.500	47.74	6.93	54.0	-6.26	AV	39.20	Vertical	Pass
6	17939.499	58.94	6.94	74.0	-15.06	Peak	305.60	Vertical	Pass
6**	17939.499	48.43	6.94	54.0	-5.57	AV	305.60	Vertical	Pass



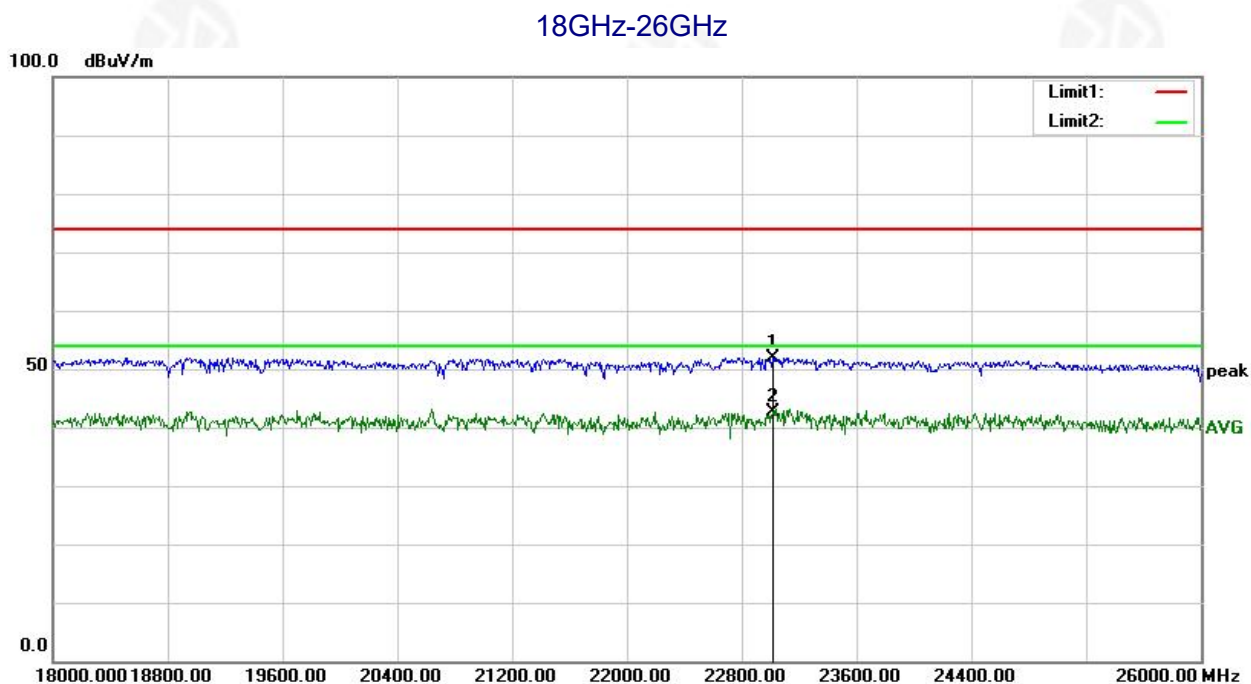
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19304.000	50.66	1.58	52.24	74.00	-21.76	peak
2	19304.000	40.12	1.58	41.70	54.00	-12.30	AVG



Mid Channel
Horizontal
1GHz-18GHz



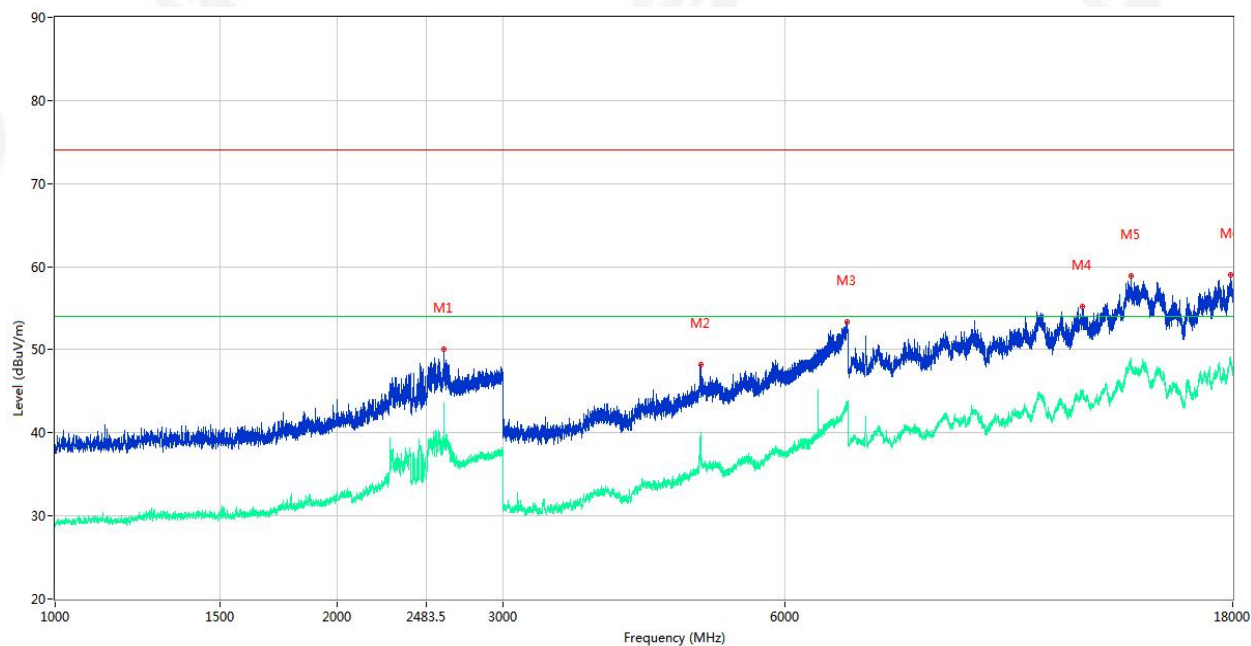
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2497.000	56.16	3.15	74.0	-17.84	Peak	357.90	Horizontal	Pass
1**	2497.000	43.97	3.15	54.0	-10.03	AV	357.90	Horizontal	Pass
2	4879.000	49.12	-6.30	74.0	-24.88	Peak	213.80	Horizontal	Pass
2**	4879.000	40.45	-6.30	54.0	-13.55	AV	213.80	Horizontal	Pass
3	6924.000	53.46	0.70	74.0	-20.54	Peak	201.10	Horizontal	Pass
3**	6924.000	42.42	0.70	54.0	-11.58	AV	201.10	Horizontal	Pass
4	13223.250	56.96	4.98	74.0	-17.04	Peak	4.30	Horizontal	Pass
4**	13223.250	45.11	4.98	54.0	-8.89	AV	4.30	Horizontal	Pass
5	14419.500	59.86	6.85	74.0	-14.14	Peak	357.60	Horizontal	Pass
5**	14419.500	48.48	6.85	54.0	-5.52	AV	357.60	Horizontal	Pass
6	17903.749	59.55	7.21	74.0	-14.45	Peak	79.60	Horizontal	Pass
6**	17903.749	49.08	7.21	54.0	-4.92	AV	79.60	Horizontal	Pass



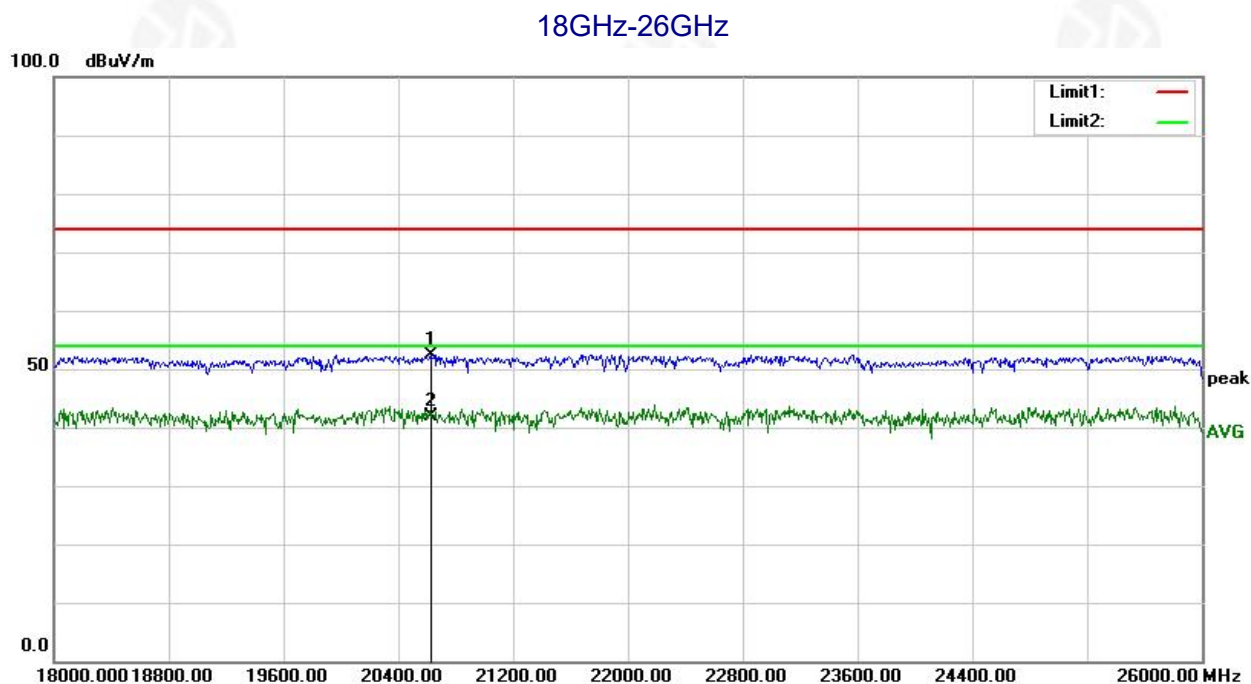
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	23016.000	48.35	3.65	52.00	74.00	-22.00	peak
2	23016.000	39.01	3.65	42.66	54.00	-11.34	AVG



Vertical
1GHz-18GHz



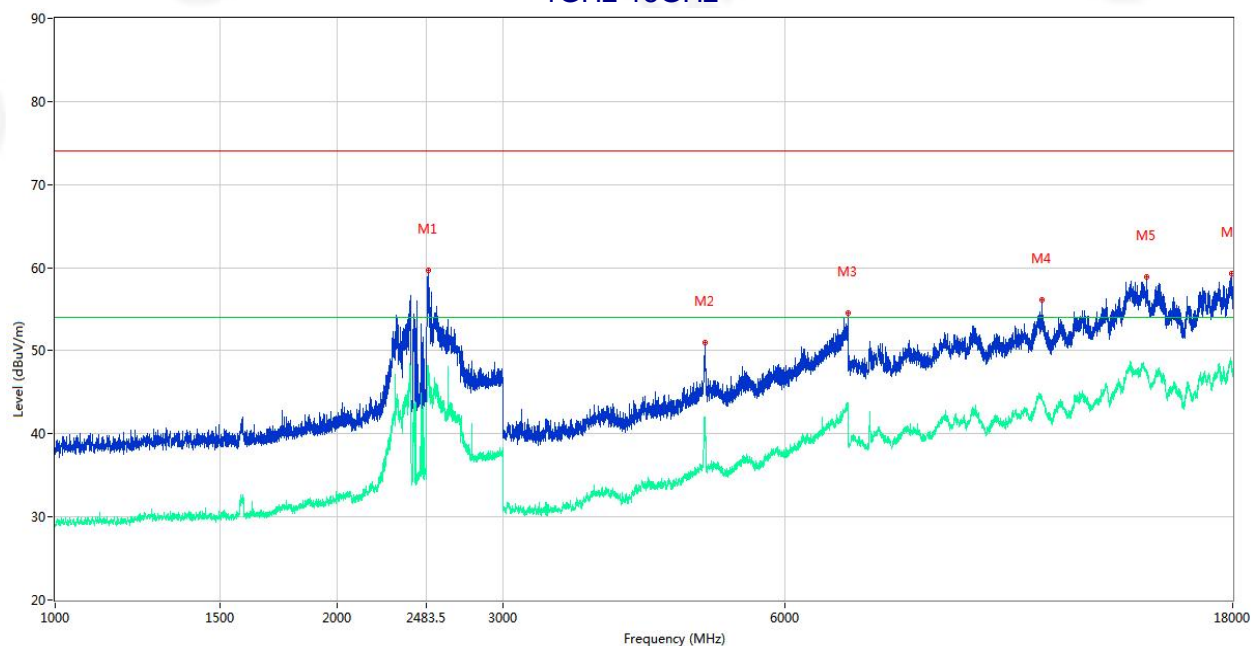
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2597.500	50.07	3.45	74.0	-23.93	Peak	319.80	Vertical	Pass
1**	2597.500	43.37	3.45	54.0	-10.63	AV	319.80	Vertical	Pass
2	4877.000	48.19	-6.32	74.0	-25.81	Peak	153.20	Vertical	Pass
2**	4877.000	37.47	-6.32	54.0	-16.53	AV	153.20	Vertical	Pass
3	6979.000	53.42	1.15	74.0	-20.58	Peak	224.60	Vertical	Pass
3**	6979.000	42.87	1.15	54.0	-11.13	AV	224.60	Vertical	Pass
4	12453.250	55.21	2.64	74.0	-18.79	Peak	198.90	Vertical	Pass
4**	12453.250	44.65	2.64	54.0	-9.35	AV	198.90	Vertical	Pass
5	14015.250	58.84	8.21	74.0	-15.16	Peak	110.70	Vertical	Pass
5**	14015.250	48.28	8.21	54.0	-5.72	AV	110.70	Vertical	Pass
6	17914.751	59.01	7.13	74.0	-14.99	Peak	266.20	Vertical	Pass
6**	17914.751	49.17	7.13	54.0	-4.83	AV	266.20	Vertical	Pass



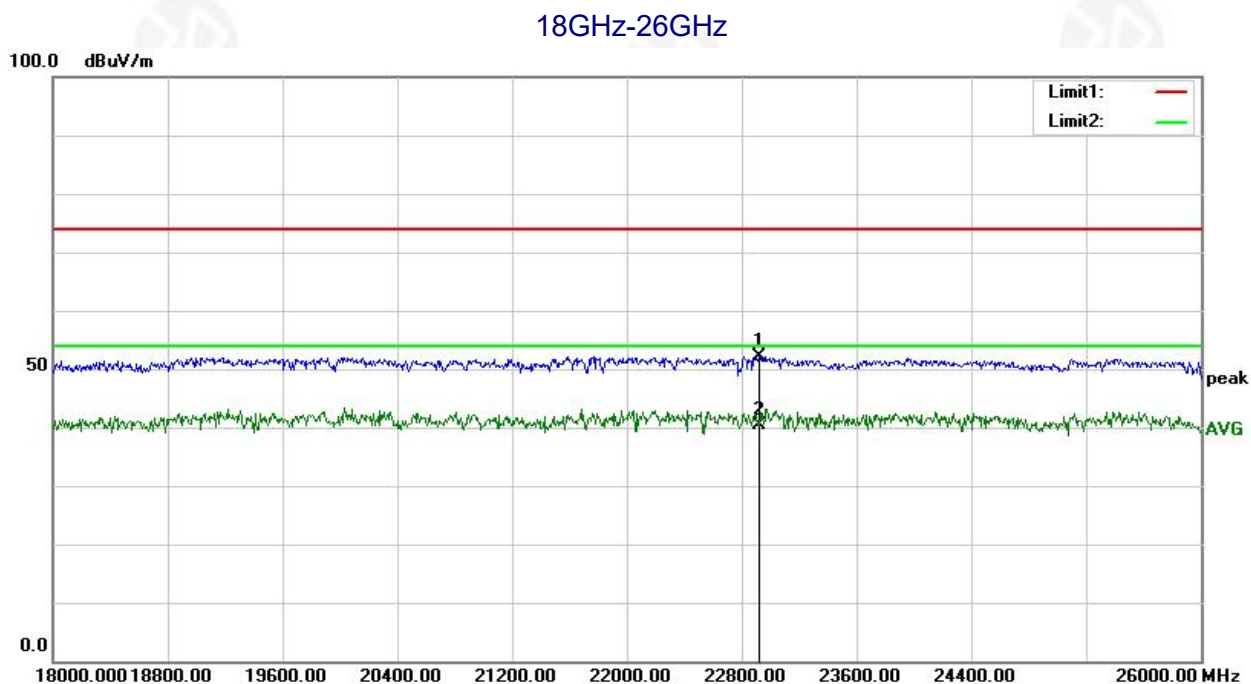
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20624.000	50.15	2.33	52.48	74.00	-21.52	peak
2	20624.000	39.58	2.33	41.91	54.00	-12.09	AVG



High Channel
Horizontal
1GHz-18GHz



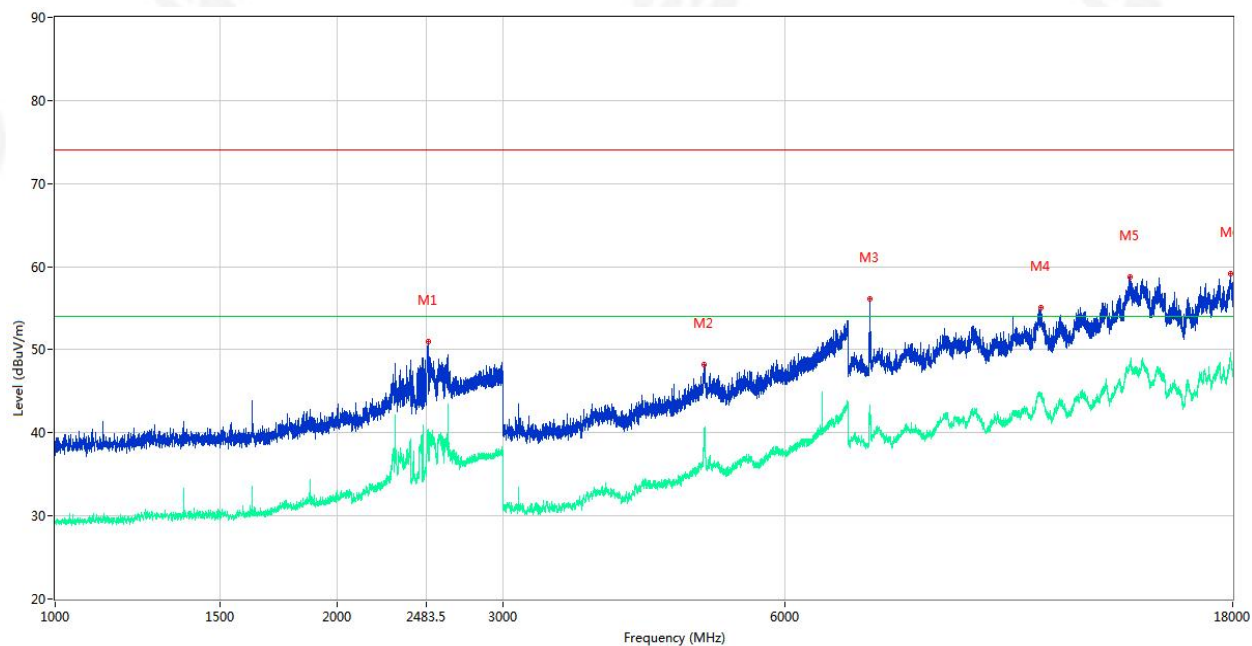
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2499.500	59.72	3.14	74.0	-14.28	Peak	351.30	Horizontal	Pass
1**	2499.500	47.81	3.14	54.0	-6.19	AV	351.30	Horizontal	Pass
2	4925.000	50.93	-6.04	74.0	-23.07	Peak	46.90	Horizontal	Pass
2**	4925.000	41.96	-6.04	54.0	-12.04	AV	46.90	Horizontal	Pass
3	7000.000	54.47	1.32	74.0	-19.53	Peak	301.70	Horizontal	Pass
3**	7000.000	43.75	1.32	54.0	-10.25	AV	301.70	Horizontal	Pass
4	11270.750	56.13	2.38	74.0	-17.87	Peak	64.30	Horizontal	Pass
4**	11270.750	44.36	2.38	54.0	-9.64	AV	64.30	Horizontal	Pass
5	14579.000	58.84	6.31	74.0	-15.16	Peak	130.10	Horizontal	Pass
5**	14579.000	47.49	6.31	54.0	-6.51	AV	130.10	Horizontal	Pass
6	17934.000	59.25	6.98	74.0	-14.75	Peak	3.20	Horizontal	Pass
6**	17934.000	48.77	6.98	54.0	-5.23	AV	3.20	Horizontal	Pass



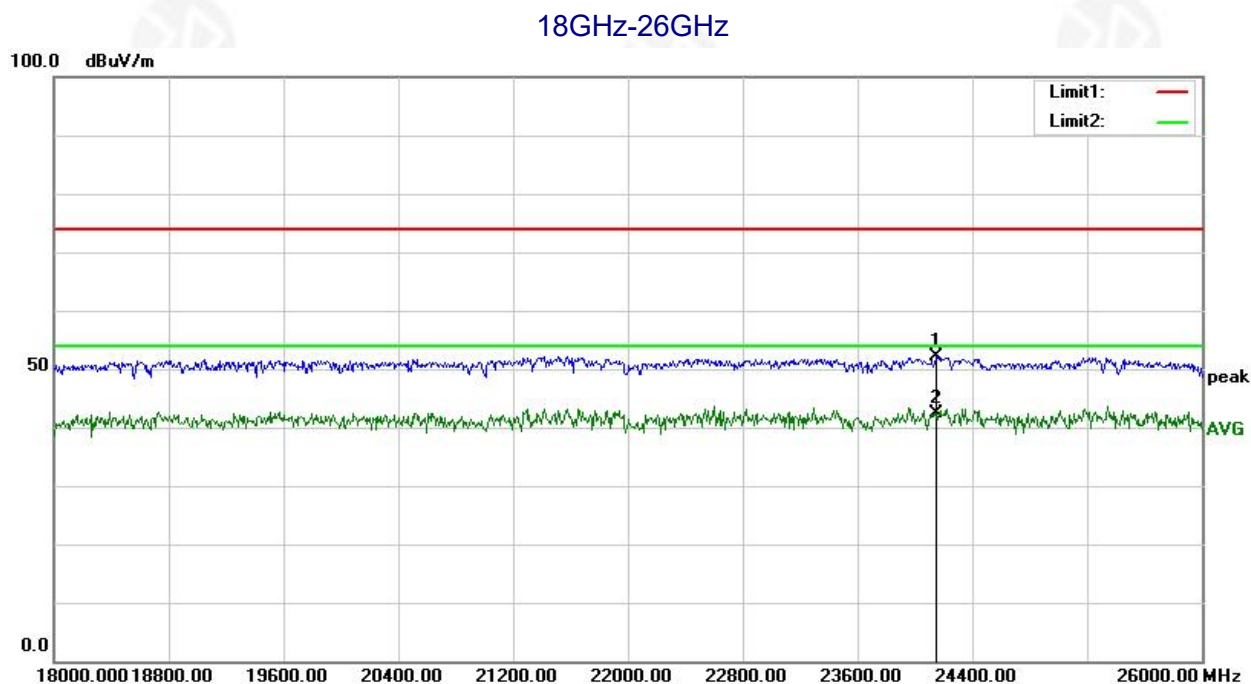
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	22920.000	48.56	3.68	52.24	74.00	-21.76	peak
2	22920.000	36.74	3.68	40.42	54.00	-13.58	AVG



Vertical
1GHz-18GHz



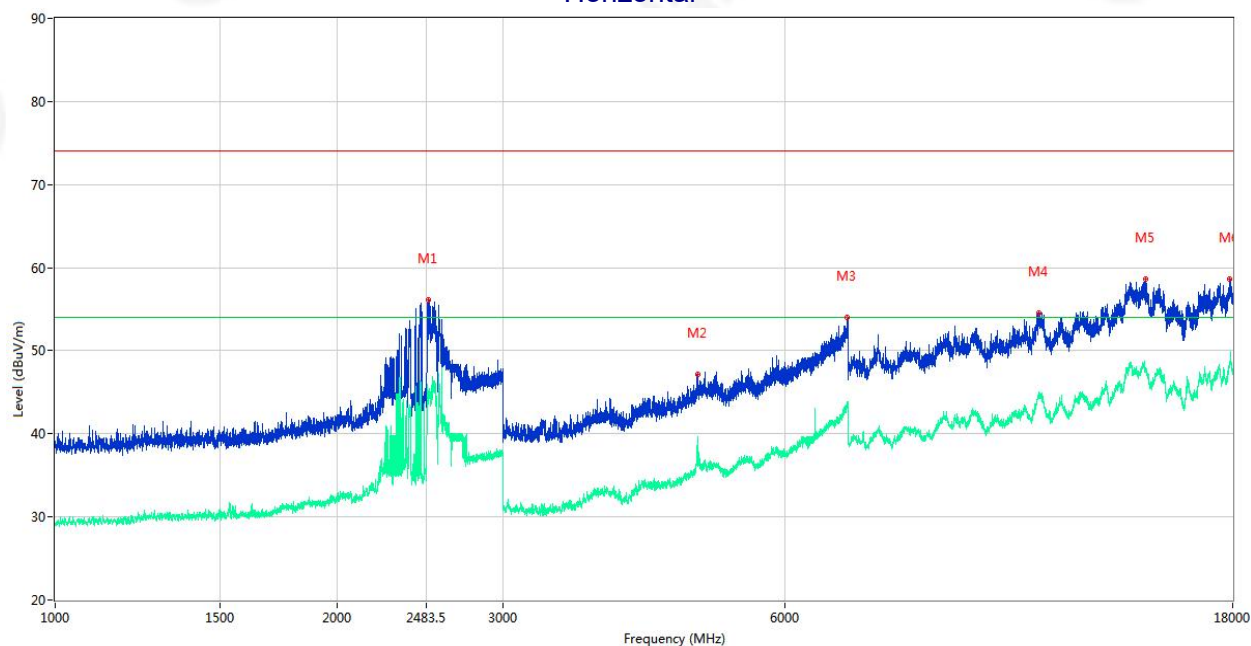
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2498.500	51.02	3.14	74.0	-22.98	Peak	334.10	Vertical	Pass
1**	2498.500	40.02	3.14	54.0	-13.98	AV	334.10	Vertical	Pass
2	4919.000	48.26	-6.05	74.0	-25.74	Peak	247.30	Vertical	Pass
2**	4919.000	40.11	-6.05	54.0	-13.89	AV	247.30	Vertical	Pass
3	7379.500	56.13	-1.91	74.0	-17.87	Peak	62.10	Vertical	Pass
3**	7379.500	42.80	-1.91	54.0	-11.20	AV	62.10	Vertical	Pass
4	11229.500	55.11	2.52	74.0	-18.89	Peak	20.50	Vertical	Pass
4**	11229.500	44.28	2.52	54.0	-9.72	AV	20.50	Vertical	Pass
5	14001.500	58.81	8.43	74.0	-15.19	Peak	189.20	Vertical	Pass
5**	14001.500	47.96	8.43	54.0	-6.04	AV	189.20	Vertical	Pass
6	17901.001	59.12	7.23	74.0	-14.88	Peak	272.10	Vertical	Pass
6**	17901.001	48.84	7.23	54.0	-5.16	AV	272.10	Vertical	Pass



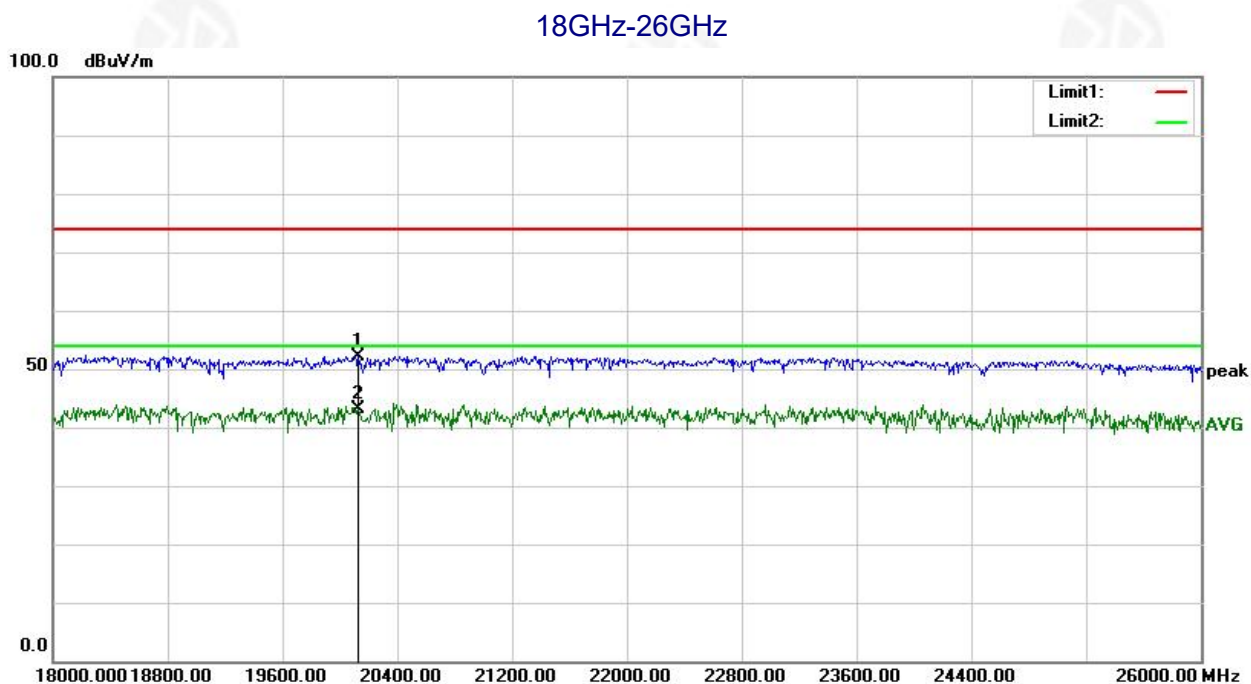
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	24152.000	47.54	4.66	52.20	74.00	-21.80	peak
2	24152.000	37.82	4.66	42.48	54.00	-11.52	AVG



Worst mode (802.11n40)
Low Channel
Horizontal



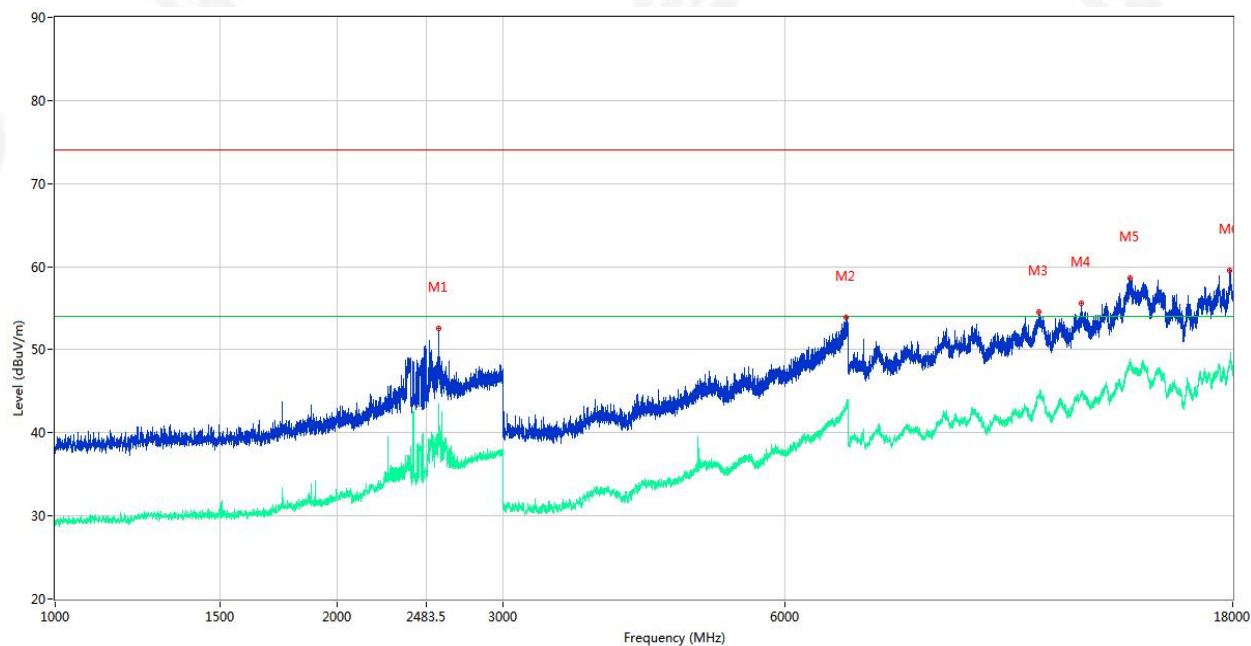
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2502.000	56.16	3.16	74.0	-17.84	Peak	2.00	Horizontal	Pass
1**	2502.000	44.97	3.16	54.0	-9.03	AV	2.00	Horizontal	Pass
2	4844.000	47.12	-6.67	74.0	-26.88	Peak	249.10	Horizontal	Pass
2**	4844.000	39.64	-6.67	54.0	-14.36	AV	249.10	Horizontal	Pass
3	6993.000	54.01	1.26	74.0	-19.99	Peak	59.70	Horizontal	Pass
3**	6993.000	43.20	1.26	54.0	-10.80	AV	59.70	Horizontal	Pass
4	11185.500	54.53	2.54	74.0	-19.47	Peak	301.80	Horizontal	Pass
4**	11185.500	44.58	2.54	54.0	-9.42	AV	301.80	Horizontal	Pass
5	14521.250	58.58	6.29	74.0	-15.42	Peak	360.00	Horizontal	Pass
5**	14521.250	47.69	6.29	54.0	-6.31	AV	360.00	Horizontal	Pass
6	17870.750	58.60	6.99	74.0	-15.40	Peak	223.60	Horizontal	Pass
6**	17870.750	48.43	6.99	54.0	-5.57	AV	223.60	Horizontal	Pass



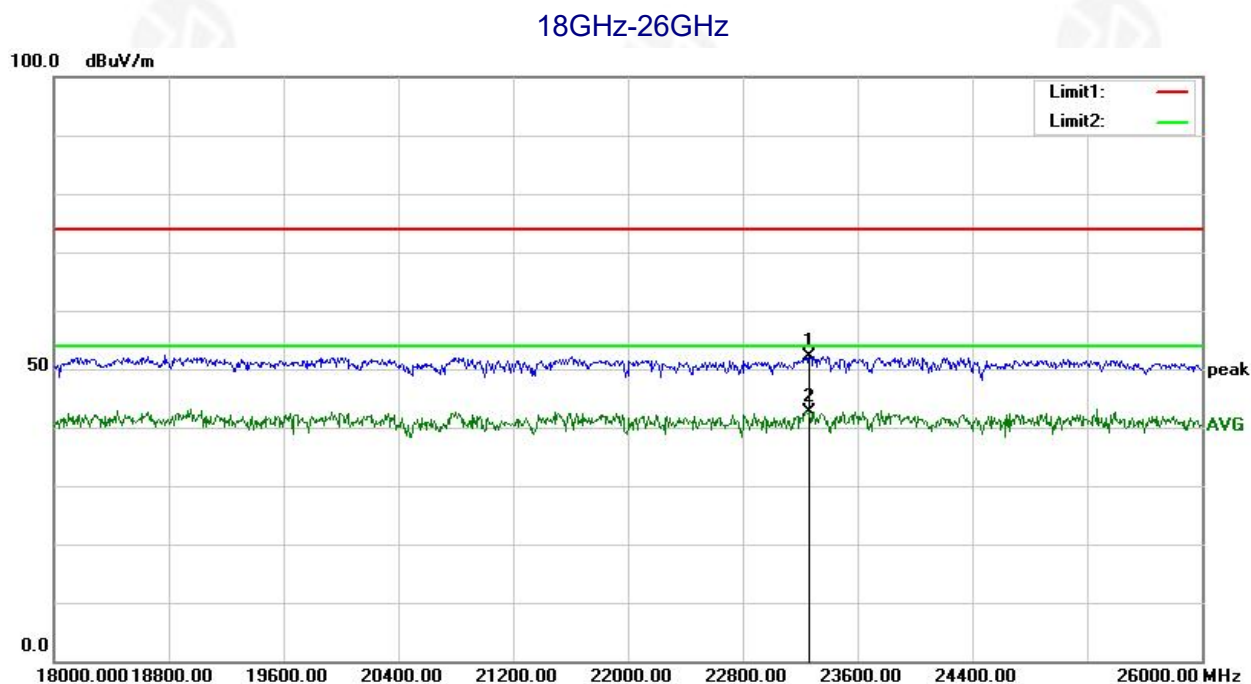
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/ m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20128.000	50.33	1.91	52.24	74.00	-21.76	peak
2	20128.000	41.12	1.91	43.03	54.00	-10.97	AVG



Vertical
1GHz-18GHz



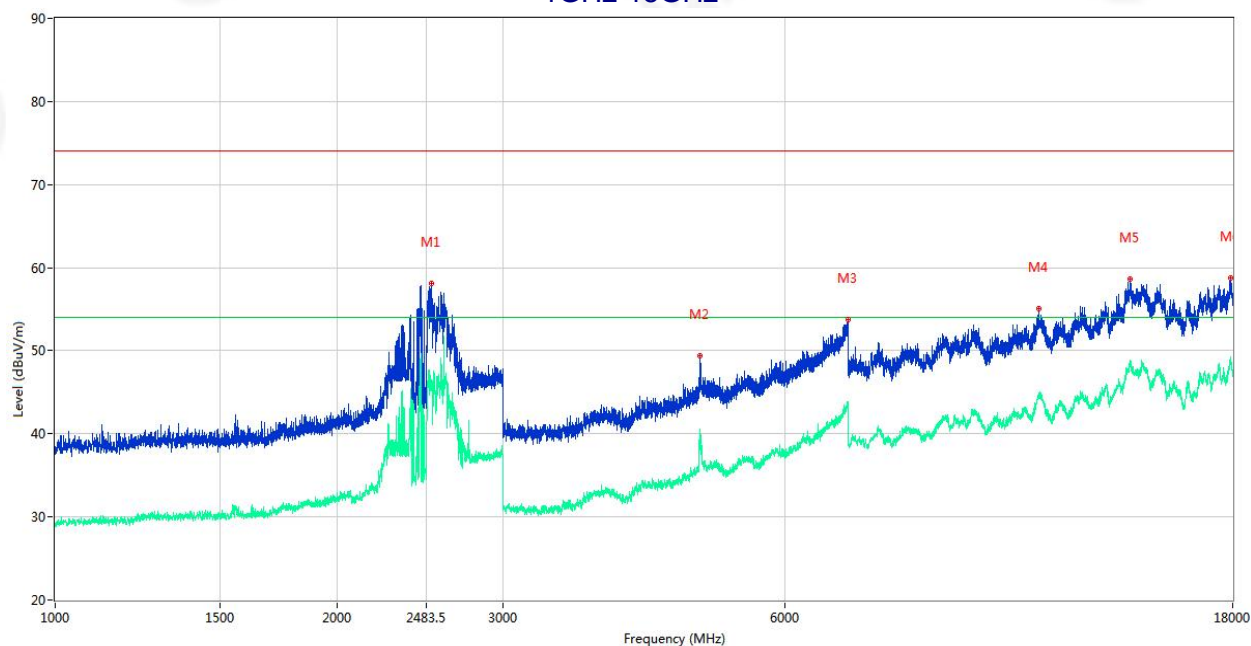
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2563.000	52.57	3.53	74.0	-21.43	Peak	107.30	Vertical	Pass
1**	2563.000	42.28	3.53	54.0	-11.72	AV	107.30	Vertical	Pass
2	6974.000	53.87	1.11	74.0	-20.13	Peak	85.50	Vertical	Pass
2**	6974.000	43.59	1.11	54.0	-10.41	AV	85.50	Vertical	Pass
3	11182.750	54.60	2.53	74.0	-19.40	Peak	220.80	Vertical	Pass
3**	11182.750	44.65	2.53	54.0	-9.35	AV	220.80	Vertical	Pass
4	12417.500	55.56	3.00	74.0	-18.44	Peak	322.40	Vertical	Pass
4**	12417.500	44.81	3.00	54.0	-9.19	AV	322.40	Vertical	Pass
5	13998.750	58.67	8.43	74.0	-15.33	Peak	169.10	Vertical	Pass
5**	13998.750	48.44	8.43	54.0	-5.56	AV	169.10	Vertical	Pass
6	17870.750	59.57	6.99	74.0	-14.43	Peak	1.10	Vertical	Pass
6**	17870.750	48.39	6.99	54.0	-5.61	AV	1.10	Vertical	Pass



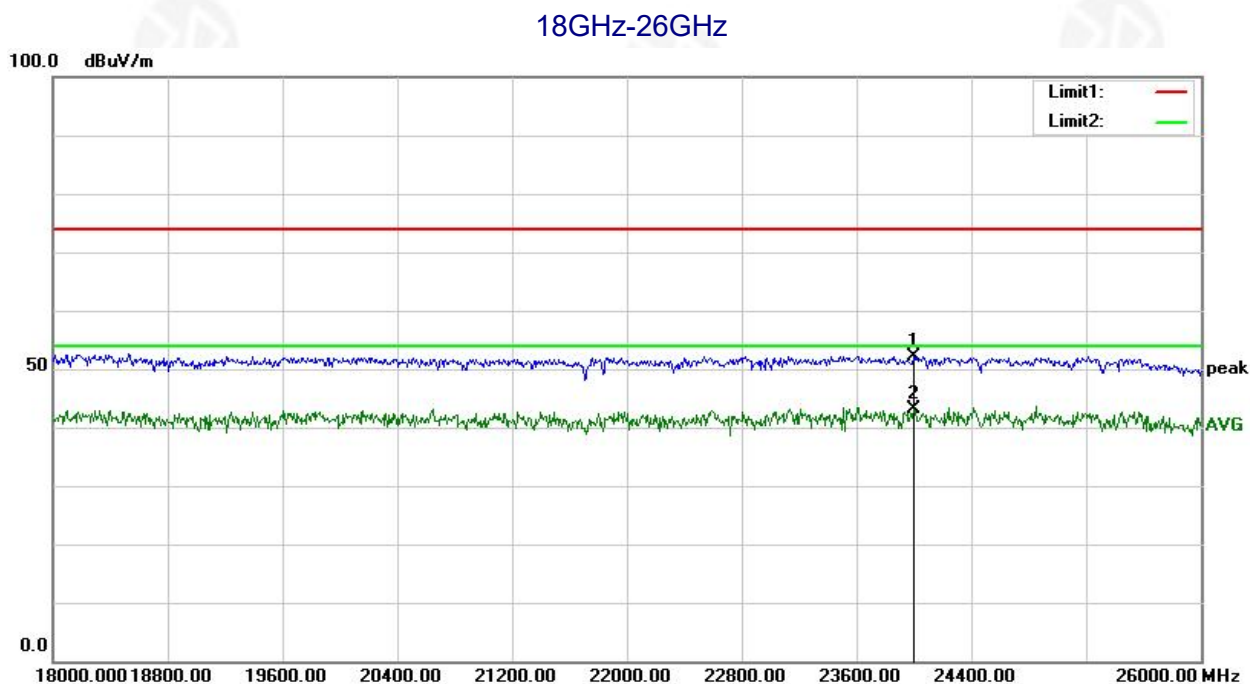
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	23264.000	48.23	3.90	52.13	74.00	-21.87	peak
2	23264.000	38.68	3.90	42.58	54.00	-11.42	AVG



Mid Channel
Horizontal
1GHz-18GHz



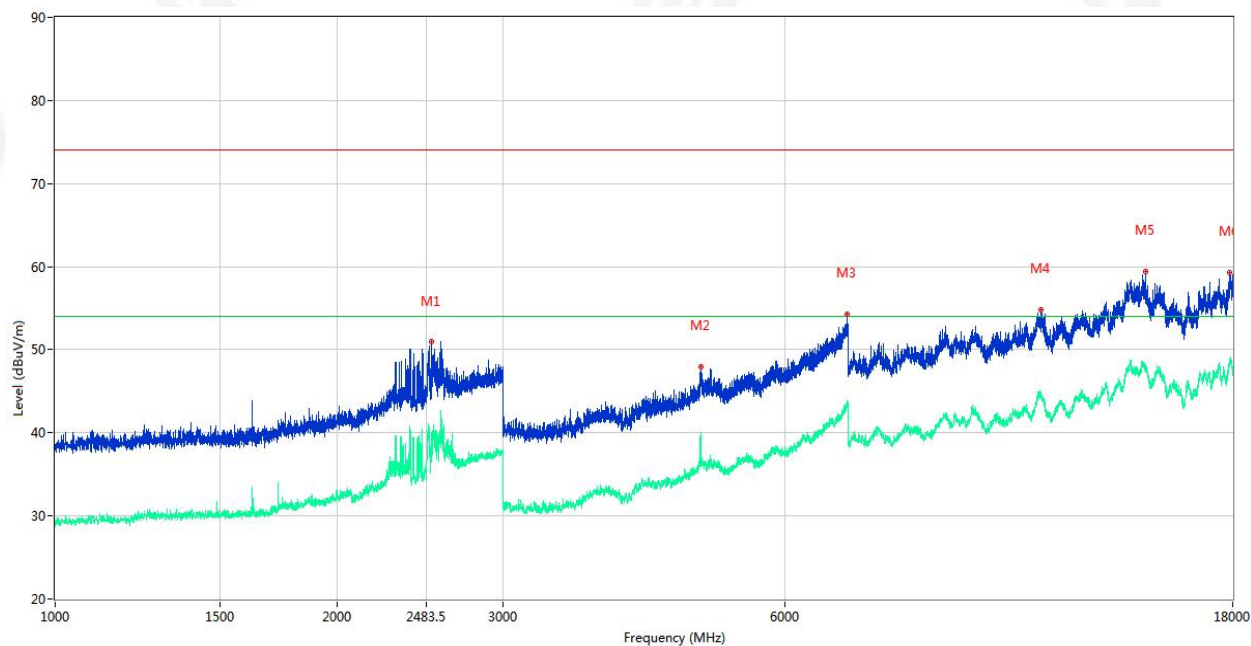
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2519.000	58.05	3.30	74.0	-15.95	Peak	211.00	Horizontal	Pass
1**	2519.000	46.40	3.30	54.0	-7.60	AV	211.00	Horizontal	Pass
2	4867.000	49.45	-6.43	74.0	-24.55	Peak	6.40	Horizontal	Pass
2**	4867.000	38.96	-6.43	54.0	-15.04	AV	6.40	Horizontal	Pass
3	6997.000	53.79	1.30	74.0	-20.21	Peak	23.70	Horizontal	Pass
3**	6997.000	43.59	1.30	54.0	-10.41	AV	23.70	Horizontal	Pass
4	11185.500	55.10	2.54	74.0	-18.90	Peak	232.30	Horizontal	Pass
4**	11185.500	44.53	2.54	54.0	-9.47	AV	232.30	Horizontal	Pass
5	14001.500	58.59	8.43	74.0	-15.41	Peak	78.10	Horizontal	Pass
5**	14001.500	48.69	8.43	54.0	-5.31	AV	78.10	Horizontal	Pass
6	17901.001	58.75	7.23	74.0	-15.25	Peak	343.80	Horizontal	Pass
6**	17901.001	49.21	7.23	54.0	-4.79	AV	343.80	Horizontal	Pass



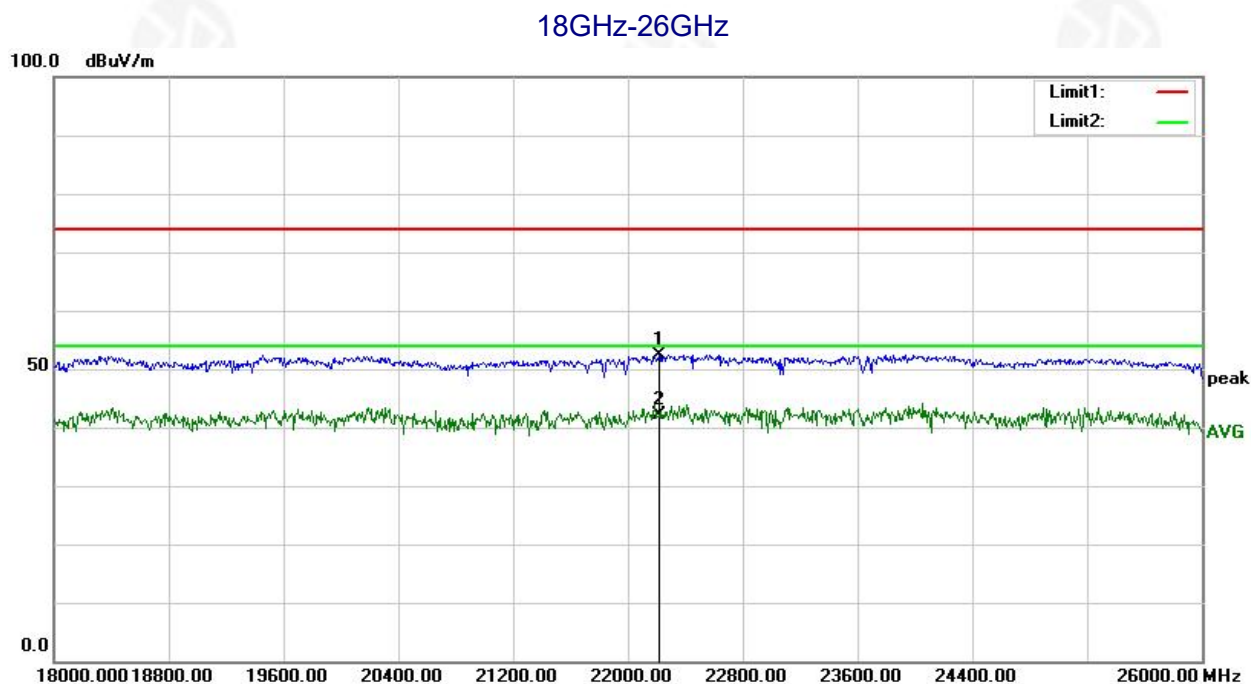
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	24000.000	47.61	4.63	52.24	74.00	-21.76	peak
2	24000.000	38.42	4.63	43.05	54.00	-10.95	AVG



Vertical
1GHz-18GHz



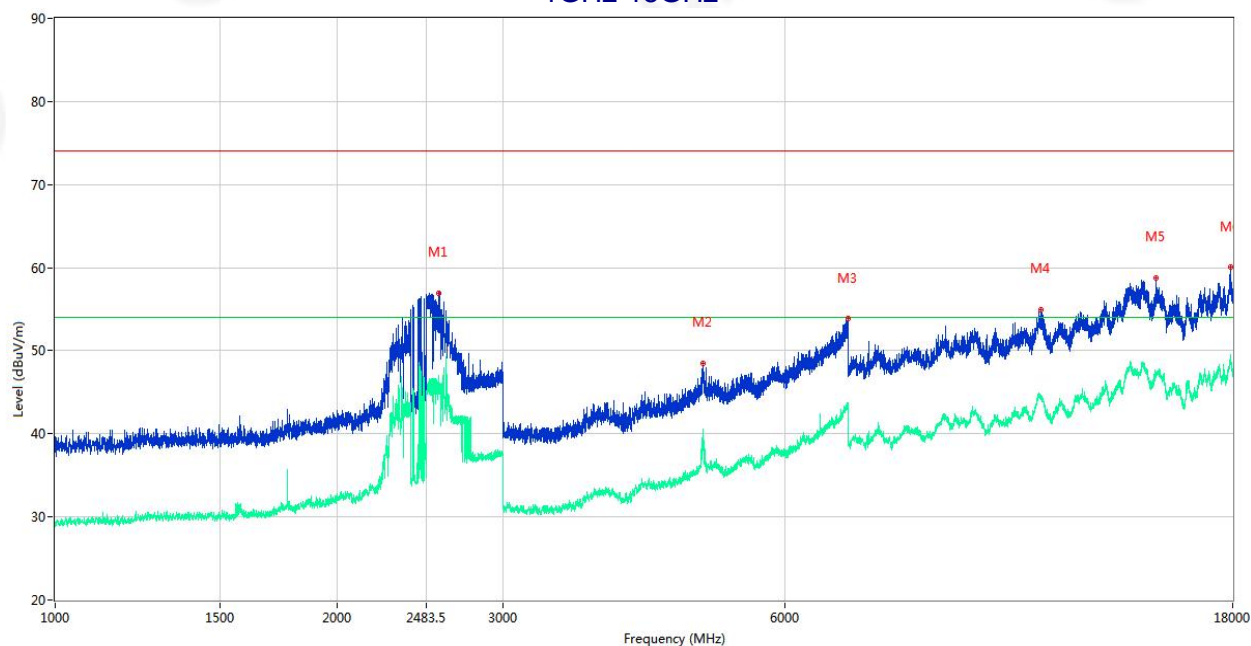
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2520.000	50.99	3.31	74.0	-23.01	Peak	132.70	Vertical	Pass
1**	2520.000	40.09	3.31	54.0	-13.91	AV	132.70	Vertical	Pass
2	4874.000	47.90	-6.35	74.0	-26.10	Peak	0.50	Vertical	Pass
2**	4874.000	40.02	-6.35	54.0	-13.98	AV	0.50	Vertical	Pass
3	6986.000	54.26	1.21	74.0	-19.74	Peak	106.30	Vertical	Pass
3**	6986.000	43.39	1.21	54.0	-10.61	AV	106.30	Vertical	Pass
4	11237.750	54.80	2.49	74.0	-19.20	Peak	106.60	Vertical	Pass
4**	11237.750	44.42	2.49	54.0	-9.58	AV	106.60	Vertical	Pass
5	14543.250	59.38	6.30	74.0	-14.62	Peak	360.50	Vertical	Pass
5**	14543.250	47.55	6.30	54.0	-6.45	AV	360.50	Vertical	Pass
6	17878.999	59.28	7.06	74.0	-14.72	Peak	179.90	Vertical	Pass
6**	17878.999	48.75	7.06	54.0	-5.25	AV	179.90	Vertical	Pass



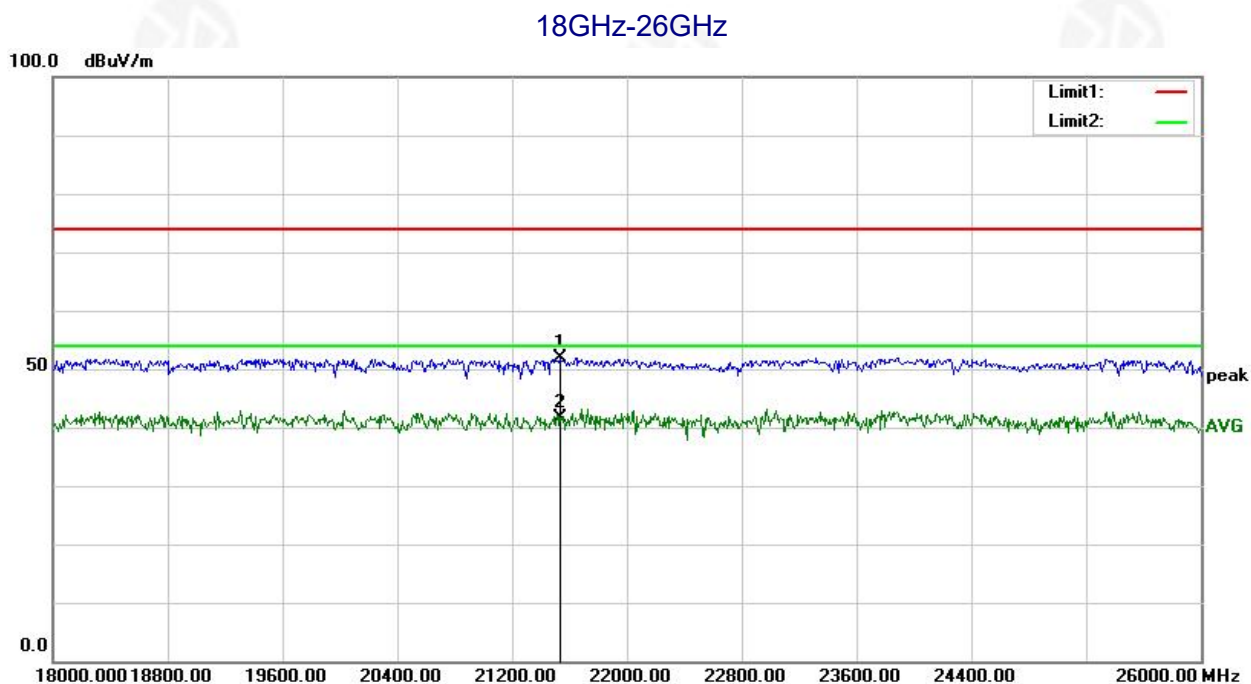
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	22216.000	48.85	3.63	52.48	74.00	-21.52	peak
2	22216.000	38.56	3.63	42.19	54.00	-11.81	AVG



High Channel
Horizontal
1GHz-18GHz



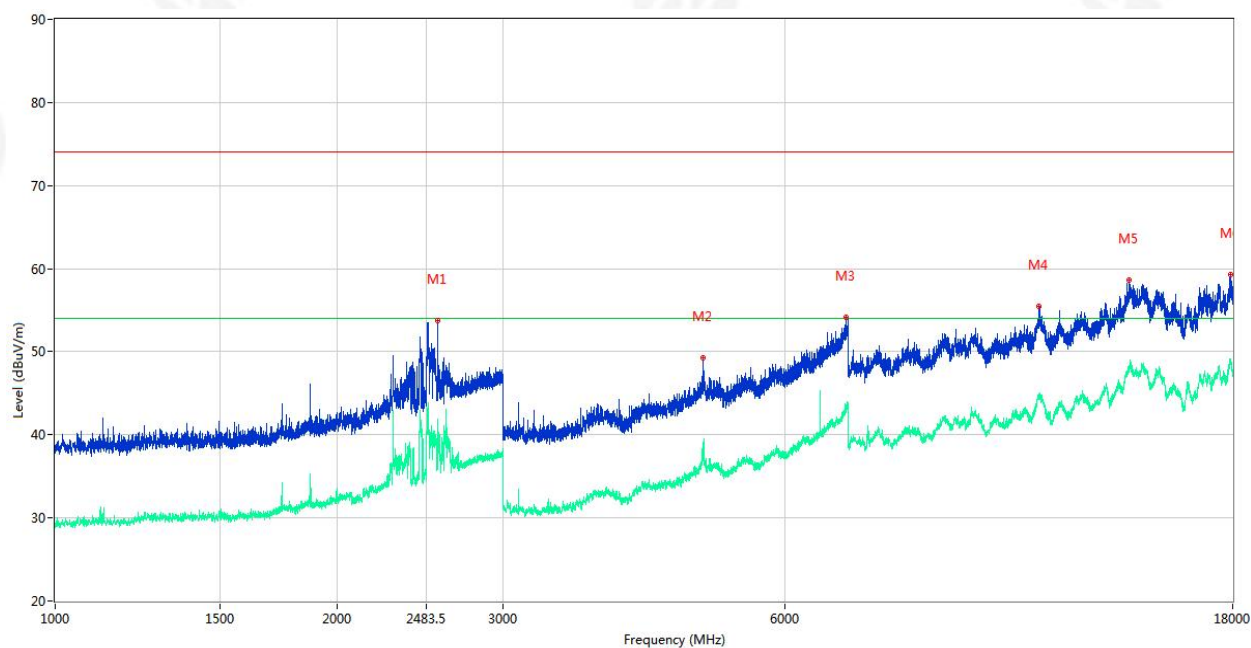
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2560.500	56.91	3.53	74.0	-17.09	Peak	154.60	Horizontal	Pass
1**	2560.500	45.37	3.53	54.0	-8.63	AV	154.60	Horizontal	Pass
2	4905.000	48.46	-6.06	74.0	-25.54	Peak	222.40	Horizontal	Pass
2**	4905.000	40.56	-6.06	54.0	-13.44	AV	222.40	Horizontal	Pass
3	6998.000	53.82	1.30	74.0	-20.18	Peak	216.40	Horizontal	Pass
3**	6998.000	43.56	1.30	54.0	-10.44	AV	216.40	Horizontal	Pass
4	11240.500	54.89	2.48	74.0	-19.11	Peak	235.00	Horizontal	Pass
4**	11240.500	44.45	2.48	54.0	-9.55	AV	235.00	Horizontal	Pass
5	14928.250	58.73	5.39	74.0	-15.27	Peak	351.50	Horizontal	Pass
5**	14928.250	47.07	5.39	54.0	-6.93	AV	351.50	Horizontal	Pass
6	17892.749	60.01	7.18	74.0	-13.99	Peak	275.90	Horizontal	Pass
6**	17892.749	49.15	7.18	54.0	-4.85	AV	275.90	Horizontal	Pass



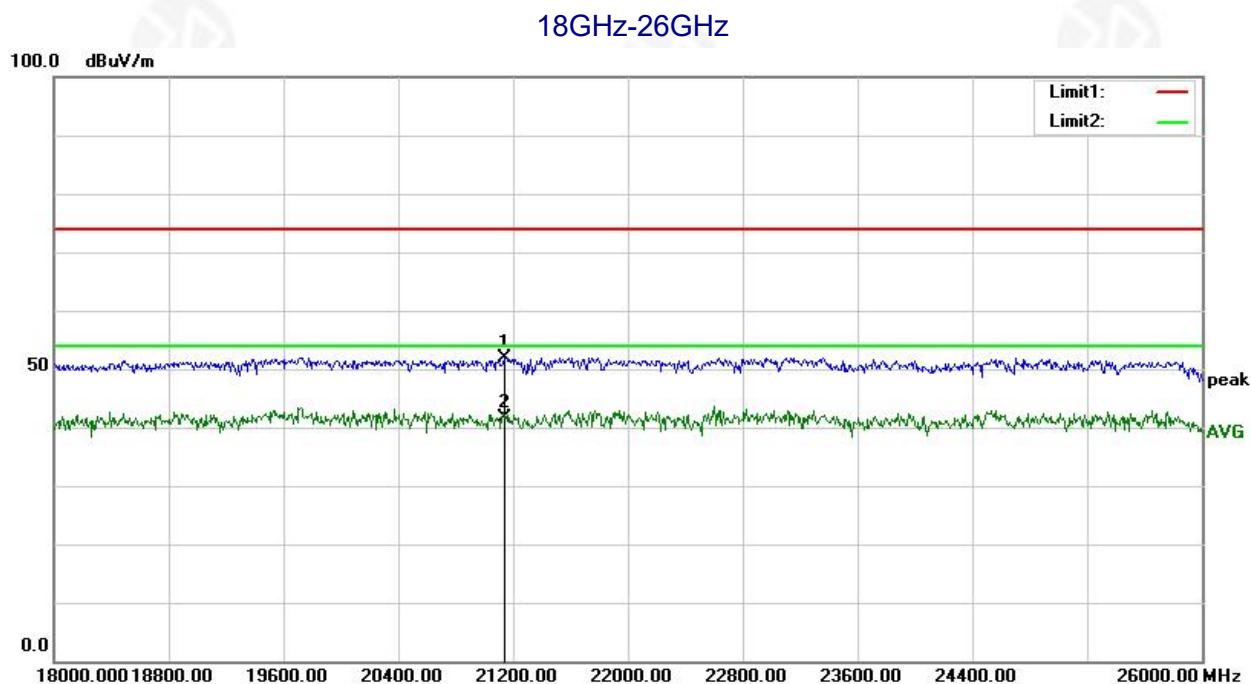
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	21536.000	49.00	2.96	51.96	74.00	-22.04	peak
2	21536.000	38.60	2.96	41.56	54.00	-12.44	AVG



Vertical
1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2557.000	53.75	3.54	74.0	-20.25	Peak	320.40	Vertical	Pass
1**	2557.000	41.87	3.54	54.0	-12.13	AV	320.40	Vertical	Pass
2	4902.000	49.25	-6.07	74.0	-24.75	Peak	262.90	Vertical	Pass
2**	4902.000	38.98	-6.07	54.0	-15.02	AV	262.90	Vertical	Pass
3	6967.000	54.12	1.05	74.0	-19.88	Peak	94.70	Vertical	Pass
3**	6967.000	43.01	1.05	54.0	-10.99	AV	94.70	Vertical	Pass
4	11188.250	55.41	2.56	74.0	-18.59	Peak	273.70	Vertical	Pass
4**	11188.250	44.35	2.56	54.0	-9.65	AV	273.70	Vertical	Pass
5	13943.750	58.66	7.75	74.0	-15.34	Peak	97.10	Vertical	Pass
5**	13943.750	48.02	7.75	54.0	-5.98	AV	97.10	Vertical	Pass
6	17925.751	59.32	7.04	74.0	-14.68	Peak	23.10	Vertical	Pass
6**	17925.751	48.55	7.04	54.0	-5.45	AV	23.10	Vertical	Pass



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	21136.000	49.26	2.73	51.99	74.00	-22.01	peak
2	21136.000	38.78	2.73	41.51	54.00	-12.49	AVG

Note:

- 1) Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Emission Level = Reading + Factor.
- 2) The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.
- 3) All modes have been measured, only worst mode was 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 is varied 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 bestopped 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 reportedin 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

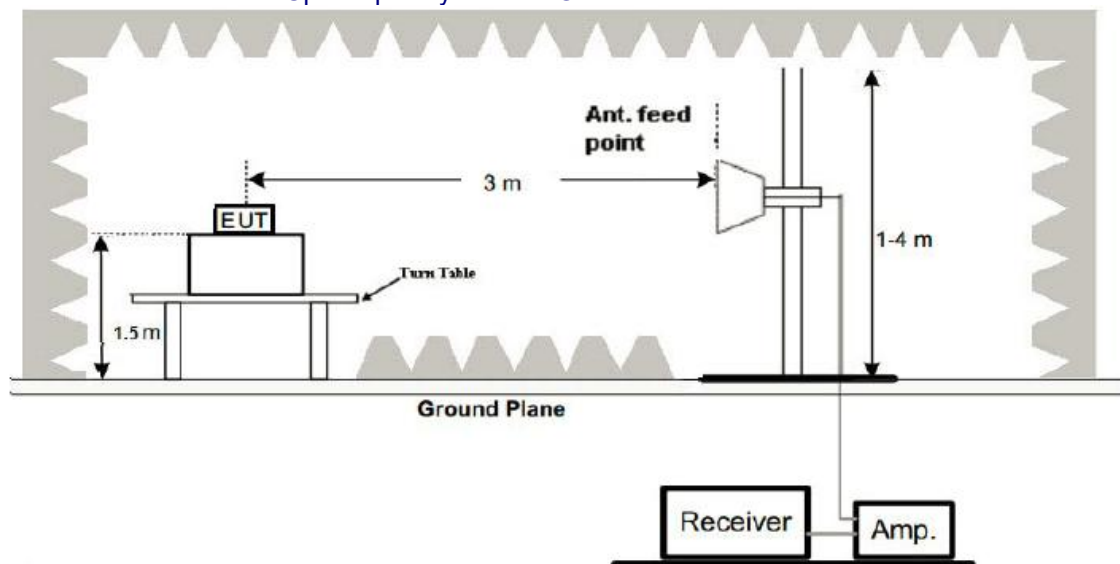


5.3 DEVIATION FROM TEST STANDARD

No deviation

5.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



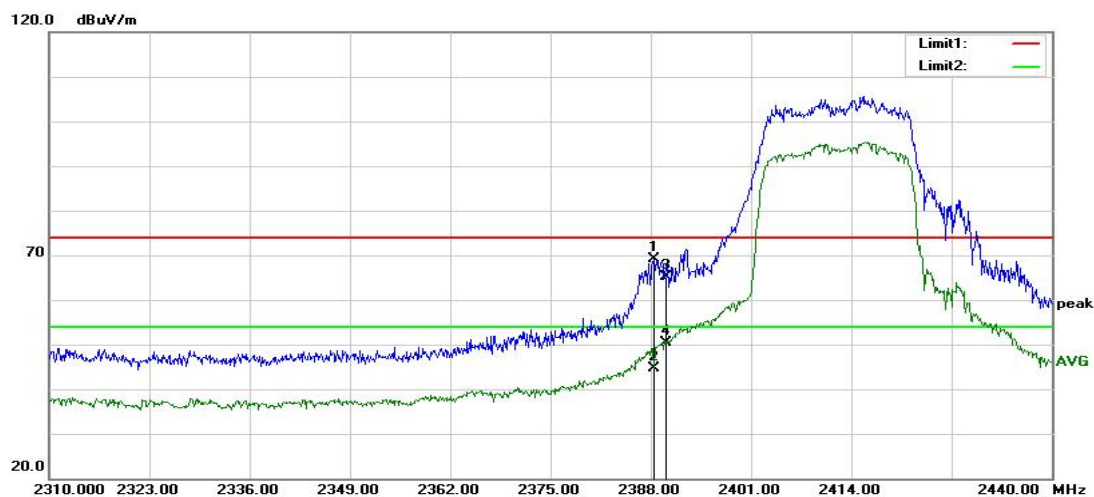
5.5 EUT OPERATING CONDITIONS

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

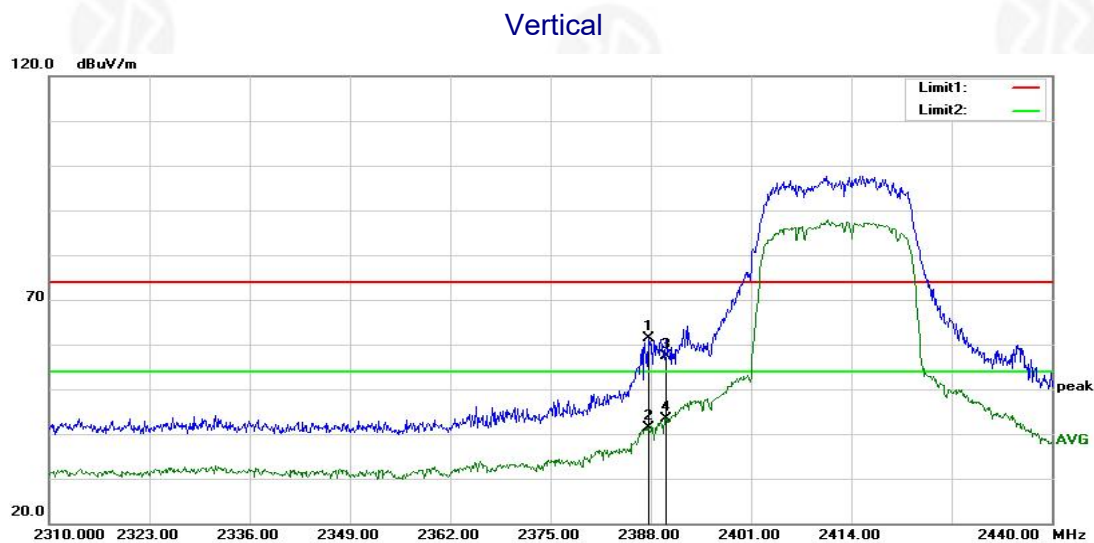


5.6 TEST RESULT

802.11ax20-Low
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.390	68.29	0.79	69.08	74.00	-4.92	peak
2	2388.390	43.77	0.79	44.56	54.00	-9.44	AVG
3	2390.000	64.40	0.81	65.21	74.00	-8.79	peak
4	2390.000	49.61	0.81	50.42	54.00	-3.58	AVG

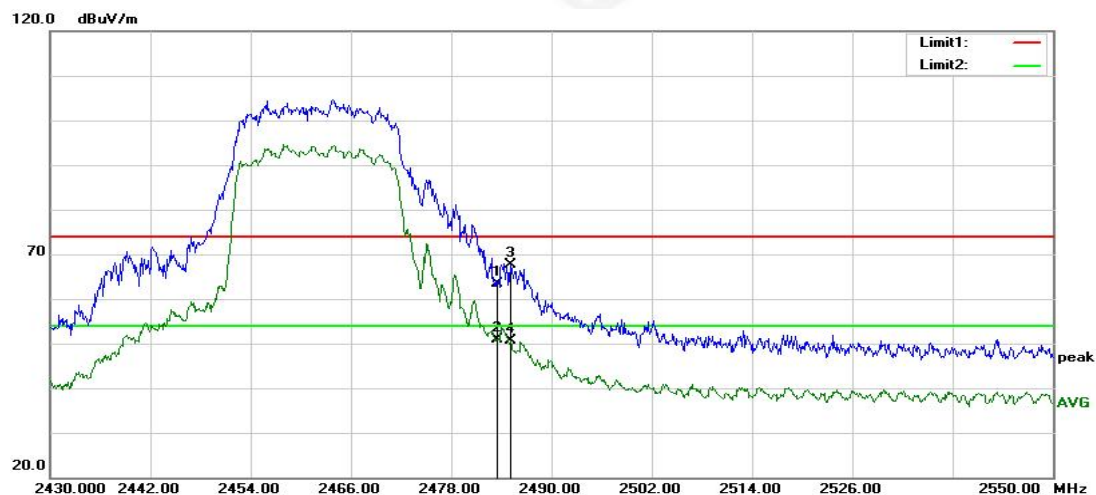


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.740	60.50	0.79	61.29	74.00	-12.71	peak
2	2387.740	40.47	0.79	41.26	54.00	-12.74	AVG
3	2390.000	56.55	0.81	57.36	74.00	-16.64	peak
4	2390.000	42.57	0.81	43.38	54.00	-10.62	AVG



802.11ax20-High

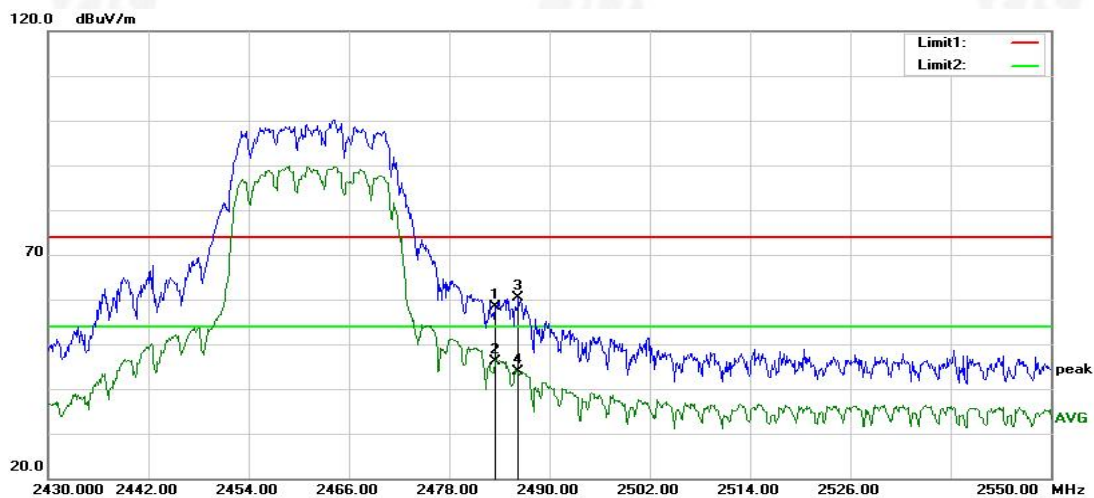
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	62.29	1.02	63.31	74.00	-10.69	peak
2	2483.520	49.88	1.02	50.90	54.00	-3.10	AVG
3	2485.080	66.53	1.03	67.56	74.00	-6.44	peak
4	2485.080	49.71	1.03	50.74	54.00	-3.26	AVG



Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.44	1.02	58.46	74.00	-15.54	peak
2	2483.520	45.14	1.02	46.16	54.00	-7.84	AVG
3	2486.280	59.38	1.02	60.40	74.00	-13.60	peak
4	2486.280	42.92	1.02	43.94	54.00	-10.06	AVG

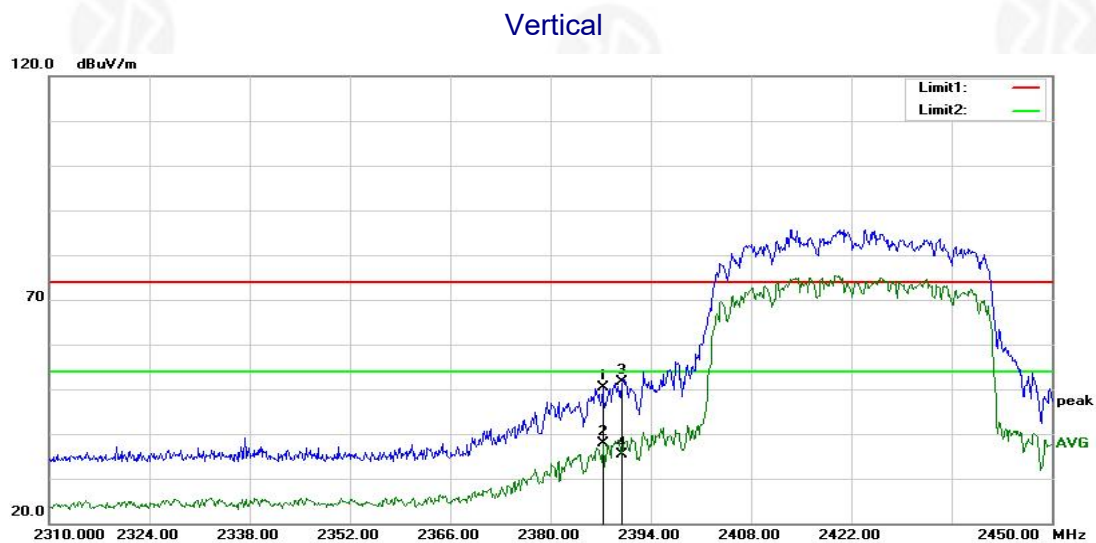


802.11ax40-Low

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.420	58.26	0.79	59.05	74.00	-14.95	peak
2	2387.420	44.63	0.79	45.42	54.00	-8.58	AVG
3	2390.000	59.19	0.81	60.00	74.00	-14.00	peak
4	2390.000	45.52	0.81	46.33	54.00	-7.67	AVG

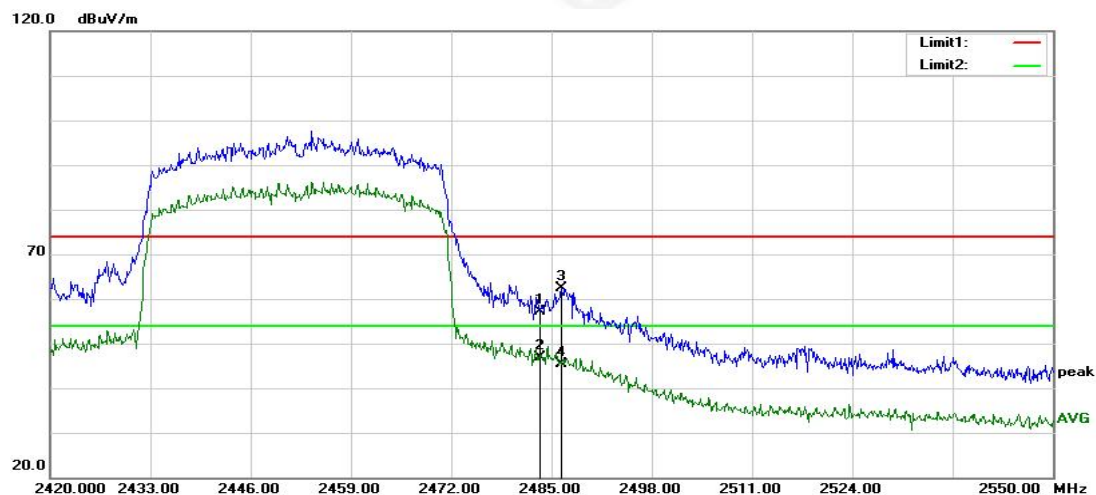


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.280	49.55	0.79	50.34	74.00	-23.66	peak
2	2387.280	37.01	0.79	37.80	54.00	-16.20	AVG
3	2390.000	50.91	0.81	51.72	74.00	-22.28	peak
4	2390.000	34.69	0.81	35.50	54.00	-18.50	AVG

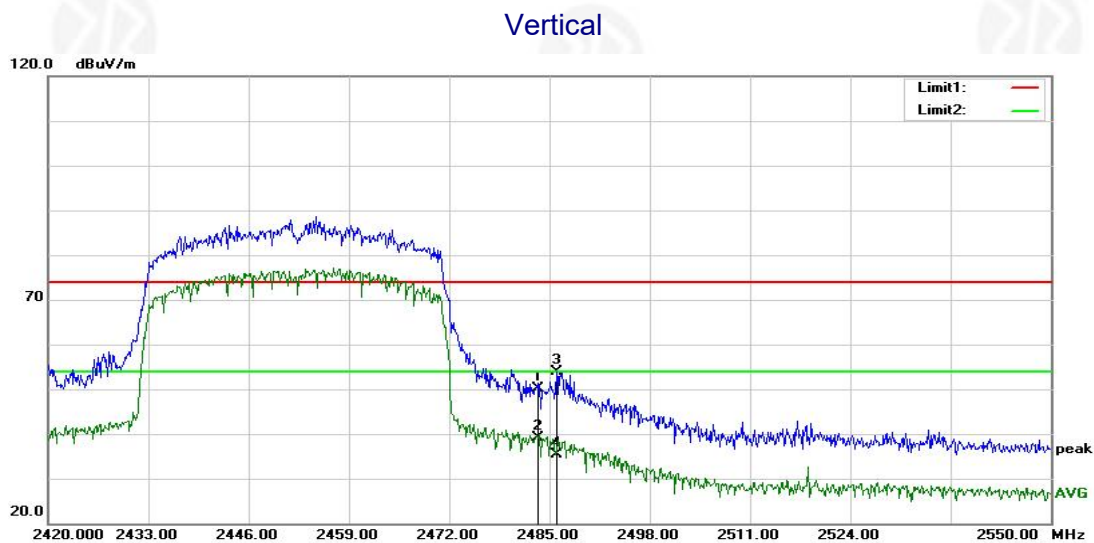


802.11ax40-High

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.17	1.02	57.19	74.00	-16.81	peak
2	2483.500	45.91	1.02	46.93	54.00	-7.07	AVG
3	2486.300	61.37	1.02	62.39	74.00	-11.61	peak
4	2486.300	44.35	1.02	45.37	54.00	-8.63	AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	49.20	1.02	50.22	74.00	-23.78	peak
2	2483.500	38.13	1.02	39.15	54.00	-14.85	AVG
3	2485.910	52.78	1.02	53.80	74.00	-20.20	peak
4	2485.910	34.37	1.02	35.39	54.00	-18.61	AVG

Note: All modes have been measured, only worst mode was reported.



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

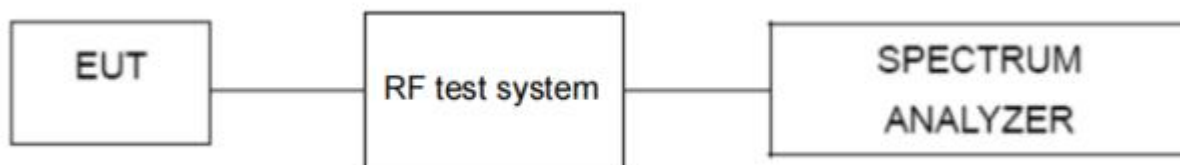
6.2 TEST PROCEDURE

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



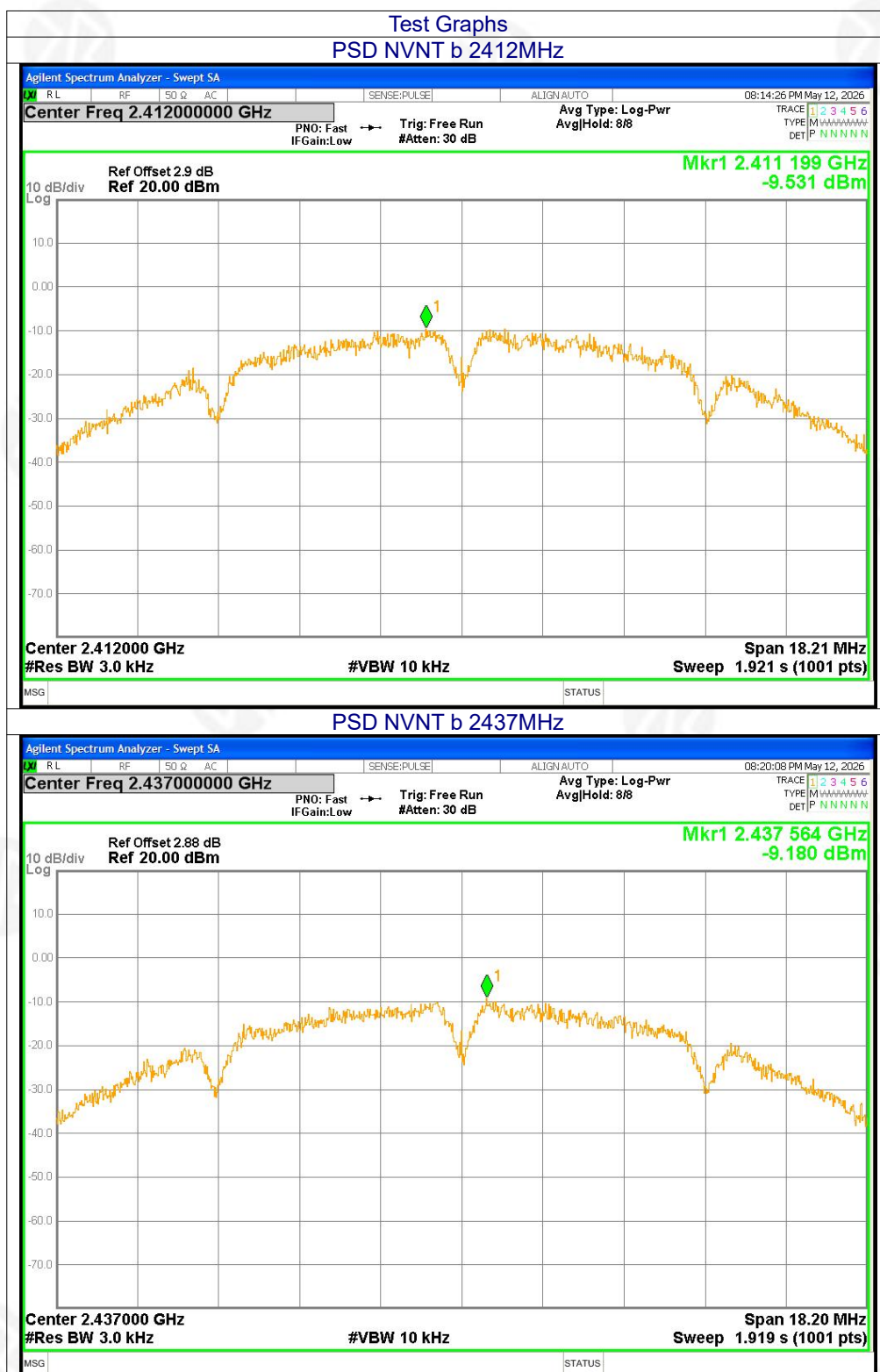
6.5 EUT OPERATION CONDITIONS

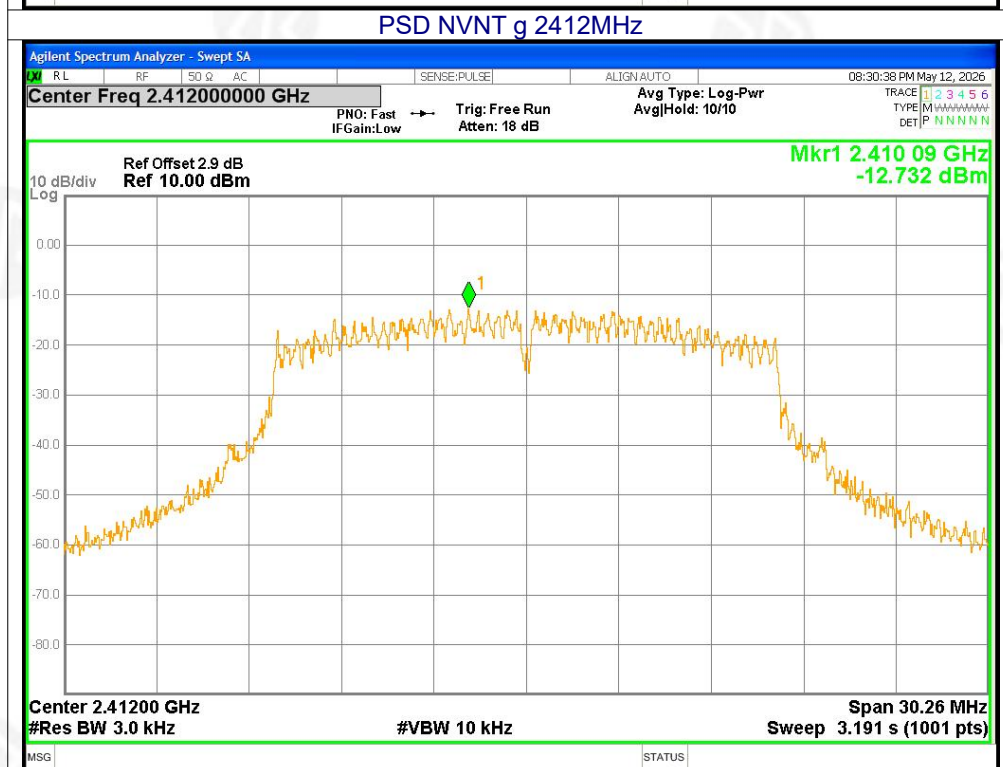
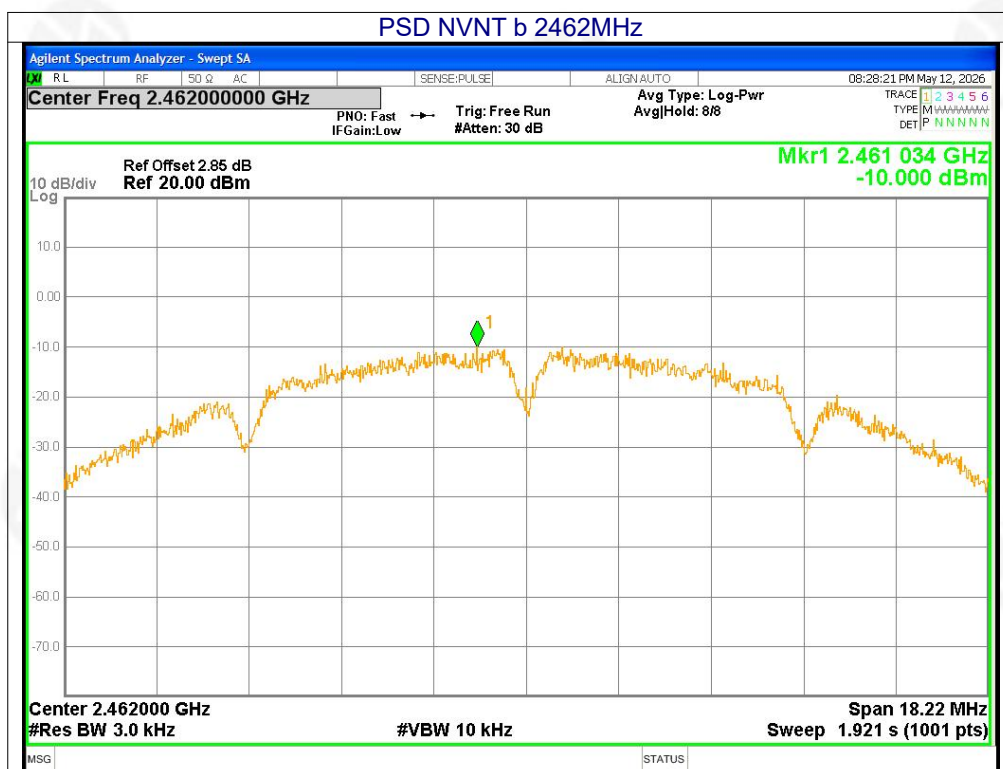
The EUT tested system was configured as the statements of 6.4 Unless otherwise a special operating condition is specified in the follows during the testing.

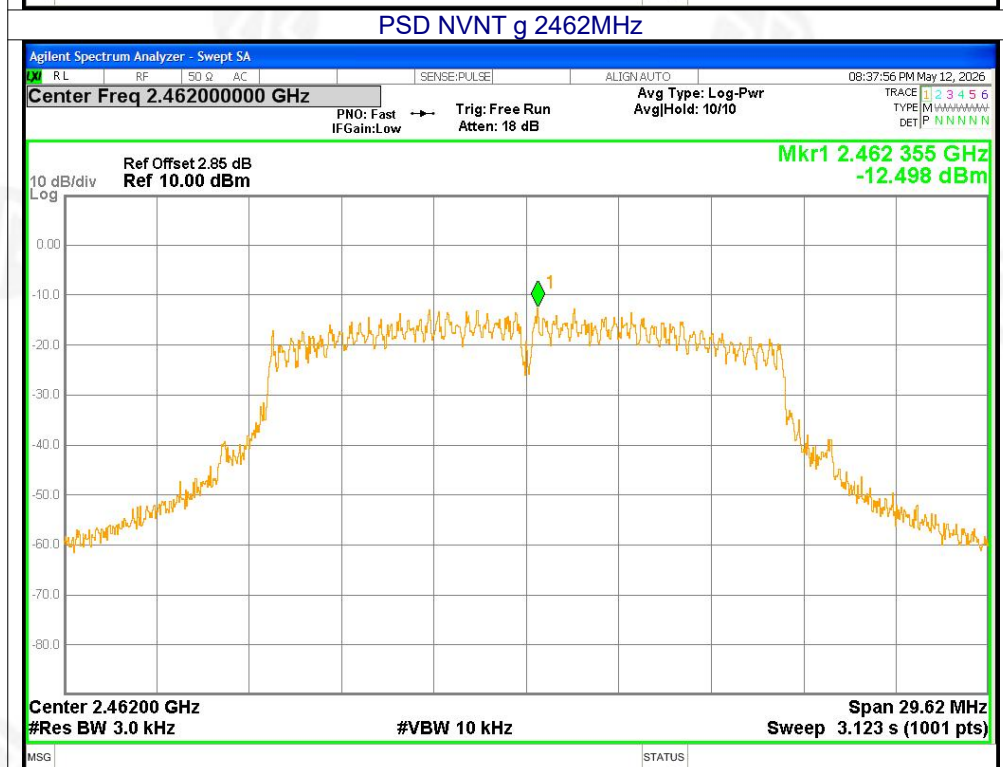
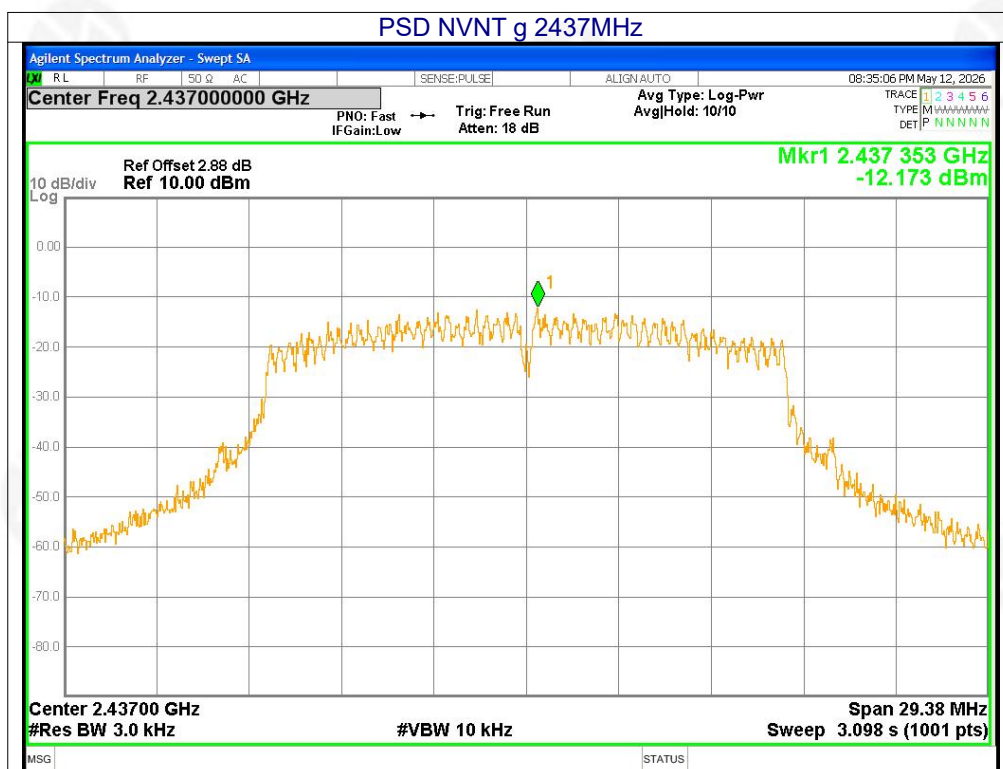


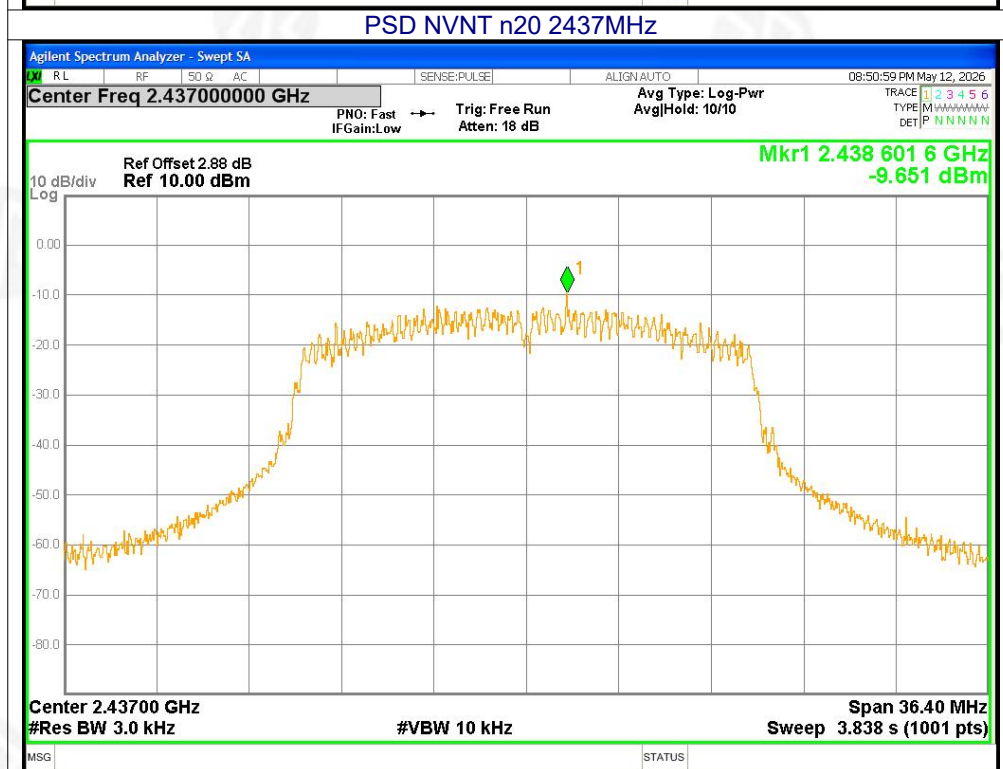
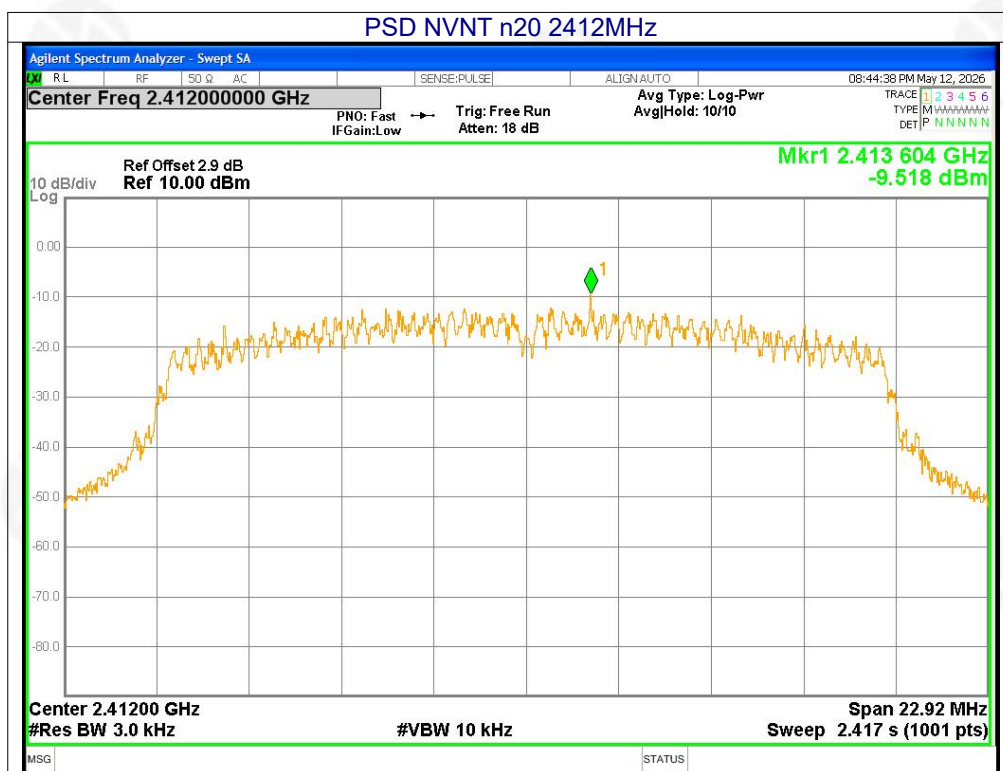
6.6 TEST RESULT

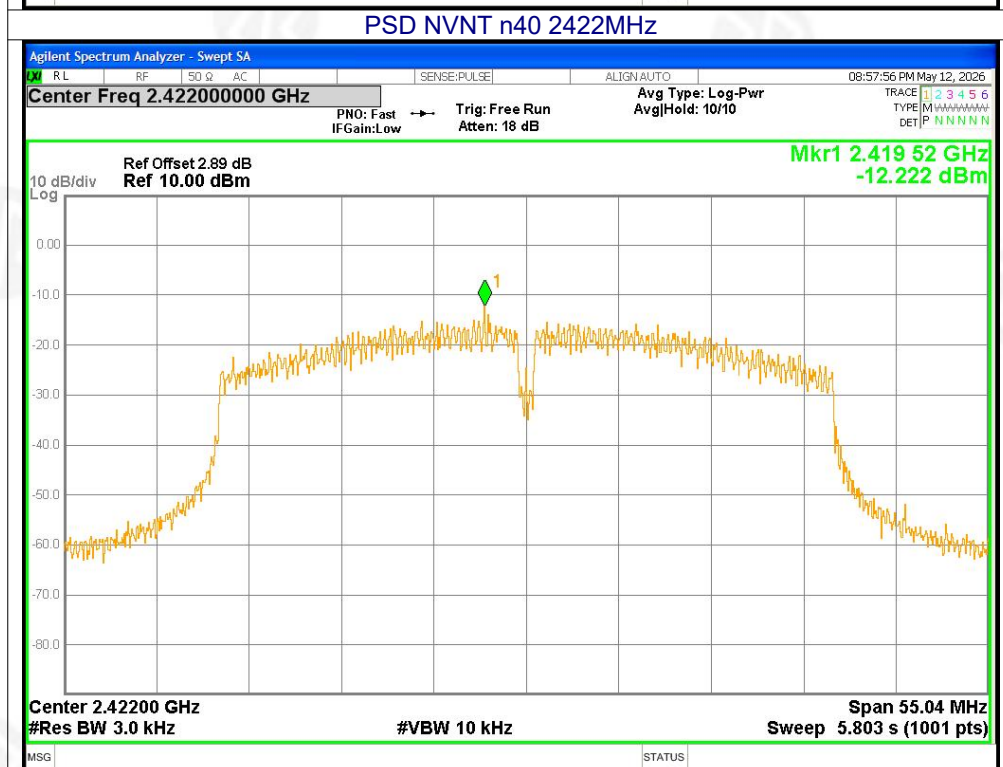
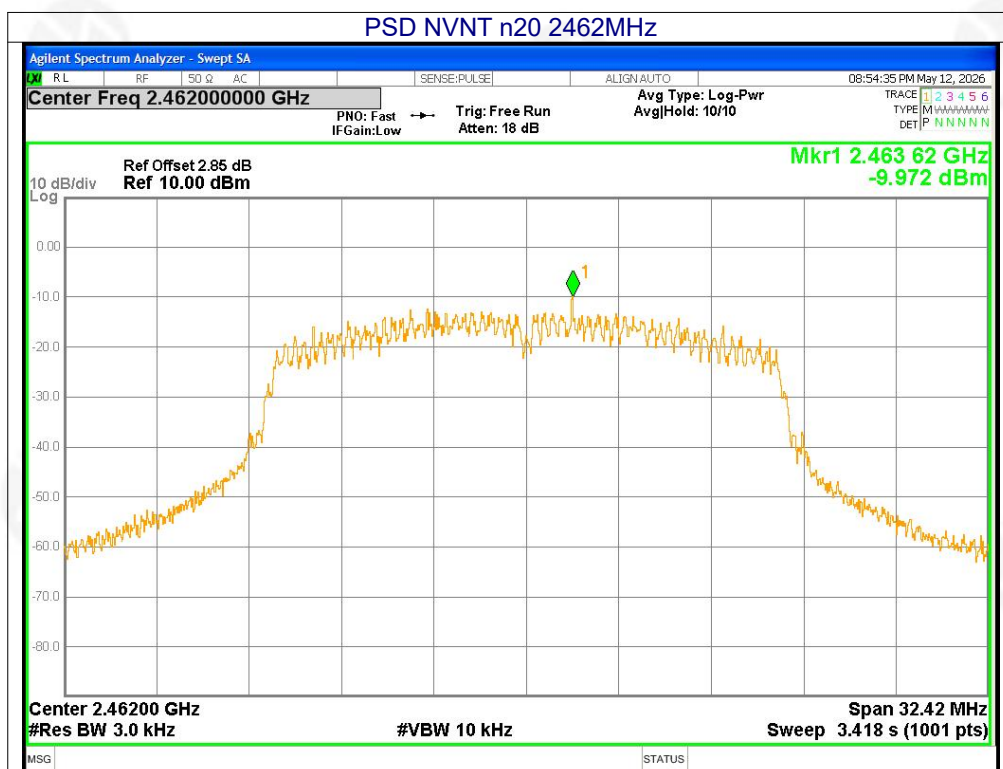
Condition	Mode	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	-9.53	<=8	Pass
NVNT	b	2437	-9.18	<=8	Pass
NVNT	b	2462	-10	<=8	Pass
NVNT	g	2412	-12.73	<=8	Pass
NVNT	g	2437	-12.17	<=8	Pass
NVNT	g	2462	-12.5	<=8	Pass
NVNT	n20	2412	-9.52	<=8	Pass
NVNT	n20	2437	-9.65	<=8	Pass
NVNT	n20	2462	-9.97	<=8	Pass
NVNT	n40	2422	-12.22	<=8	Pass
NVNT	n40	2437	-11.98	<=8	Pass
NVNT	n40	2452	-12.57	<=8	Pass
NVNT	ax20	2412	-12.77	<=8	Pass
NVNT	ax20	2437	-13	<=8	Pass
NVNT	ax20	2462	-13.29	<=8	Pass
NVNT	ax40	2422	-16.21	<=8	Pass
NVNT	ax40	2437	-15.99	<=8	Pass
NVNT	ax40	2452	-15.92	<=8	Pass

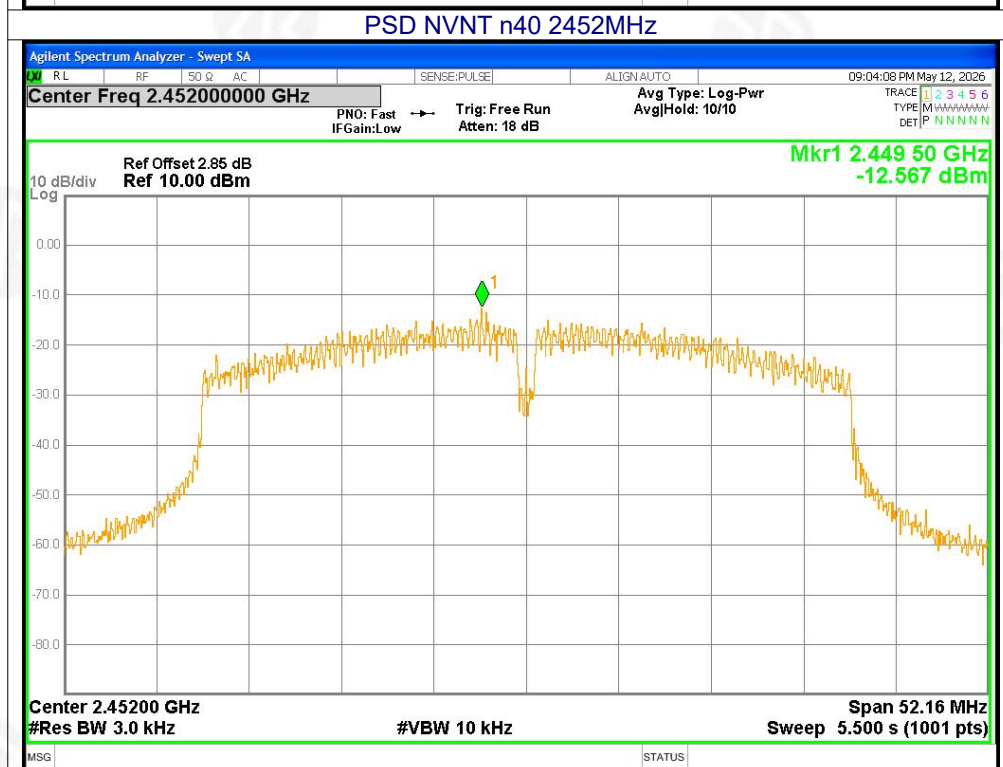
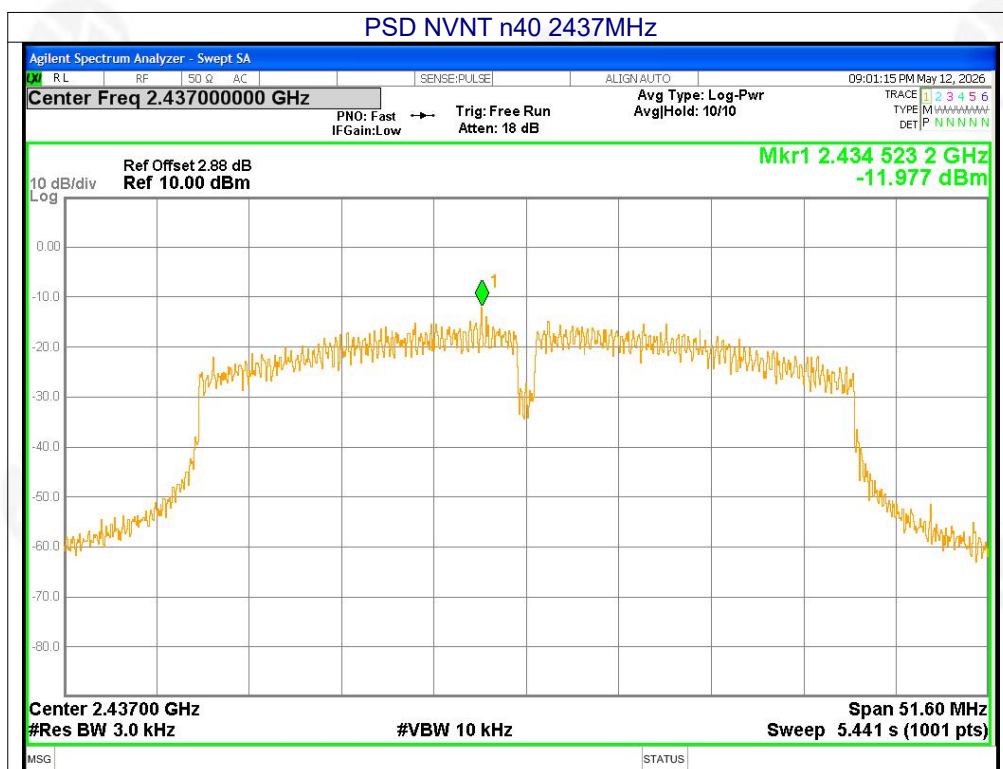


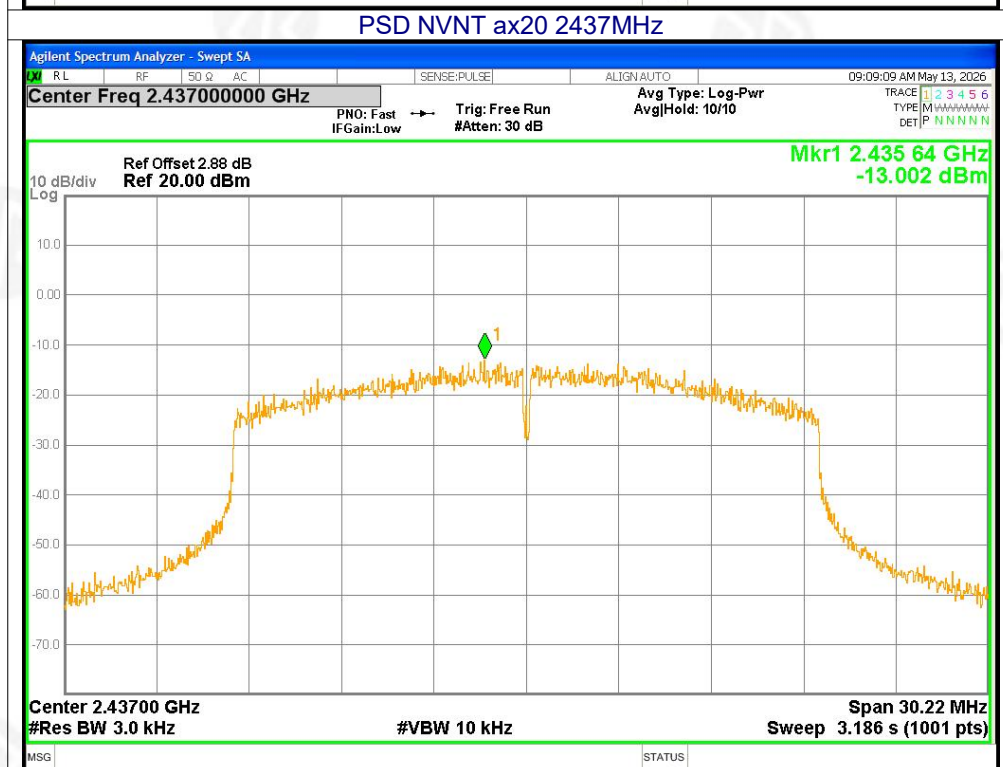
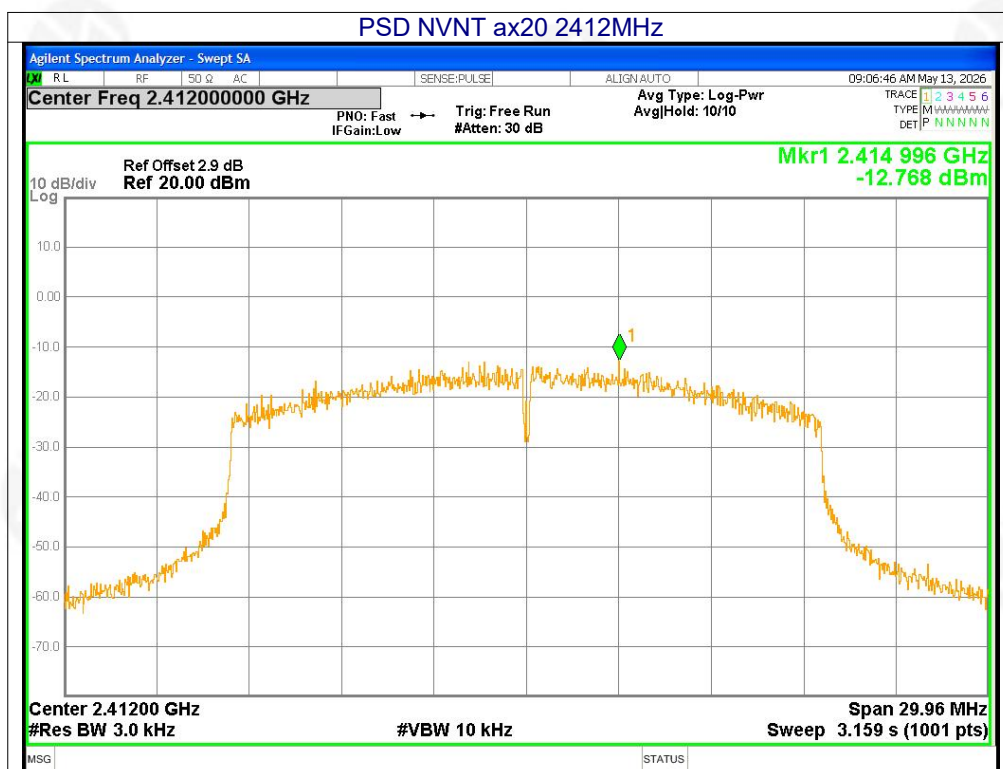


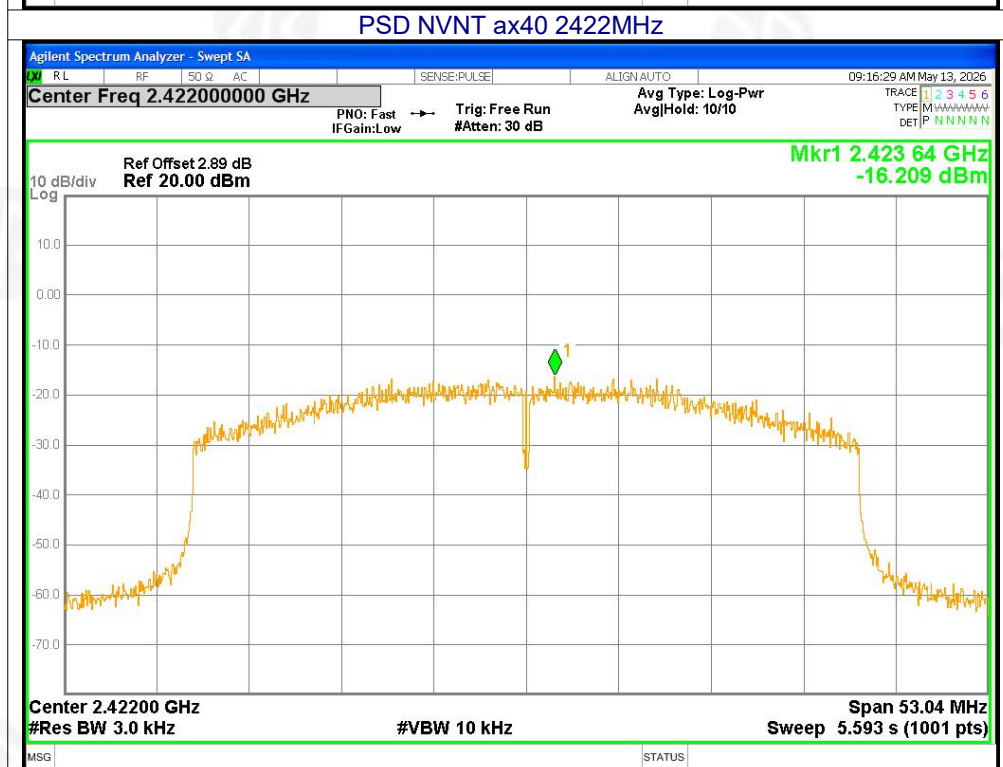
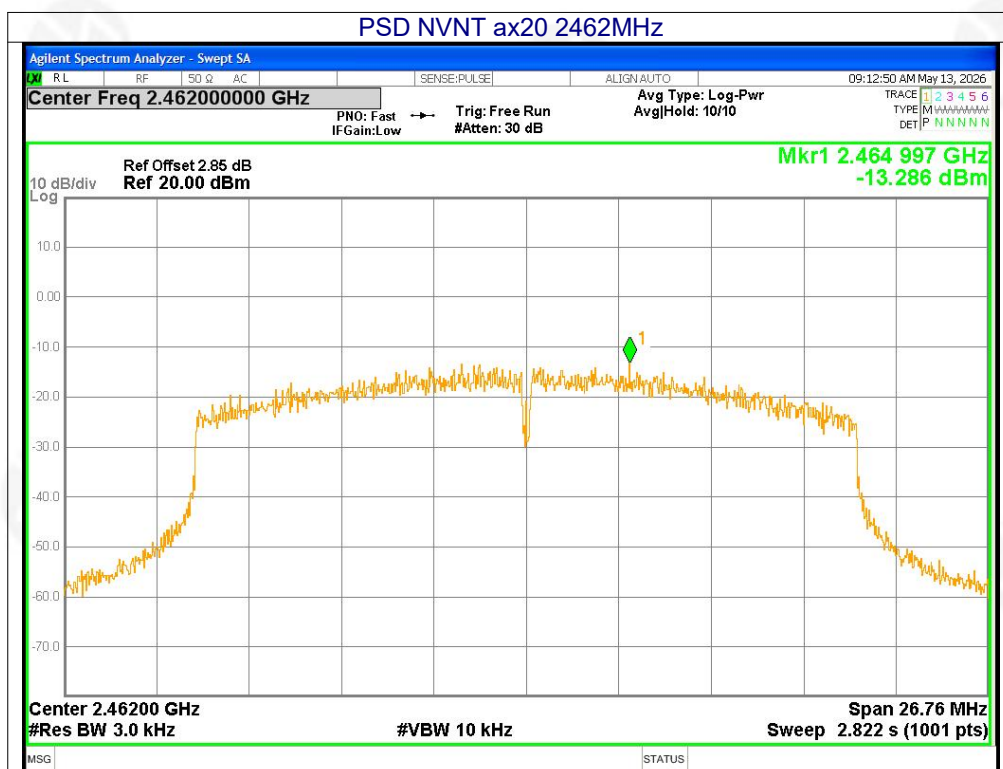


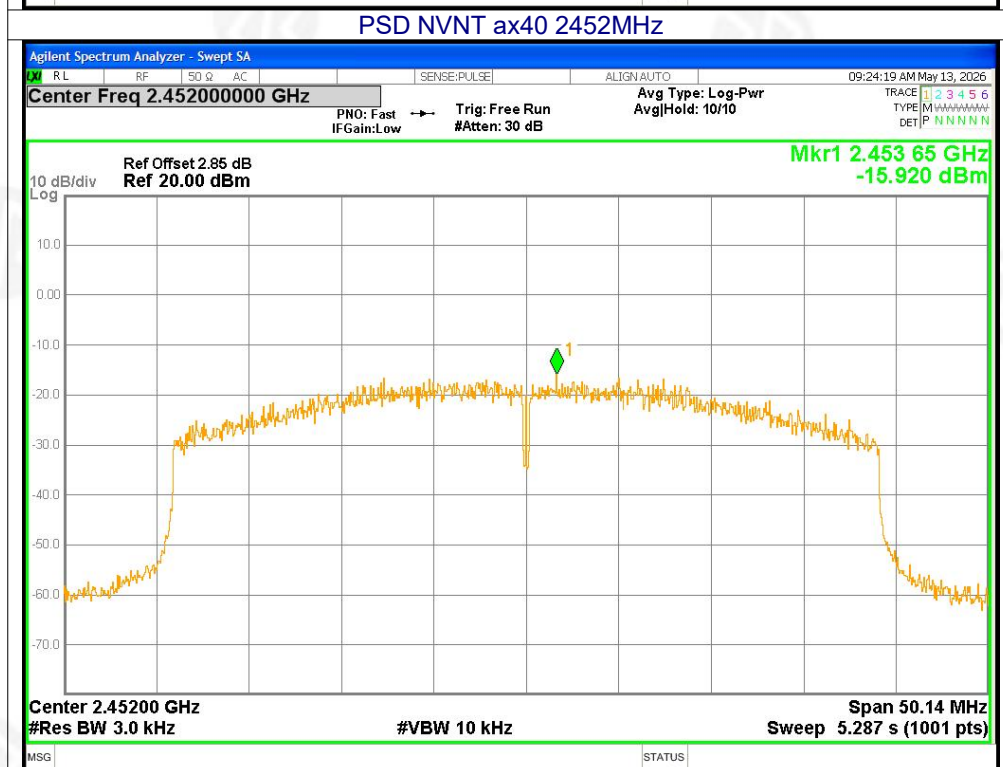
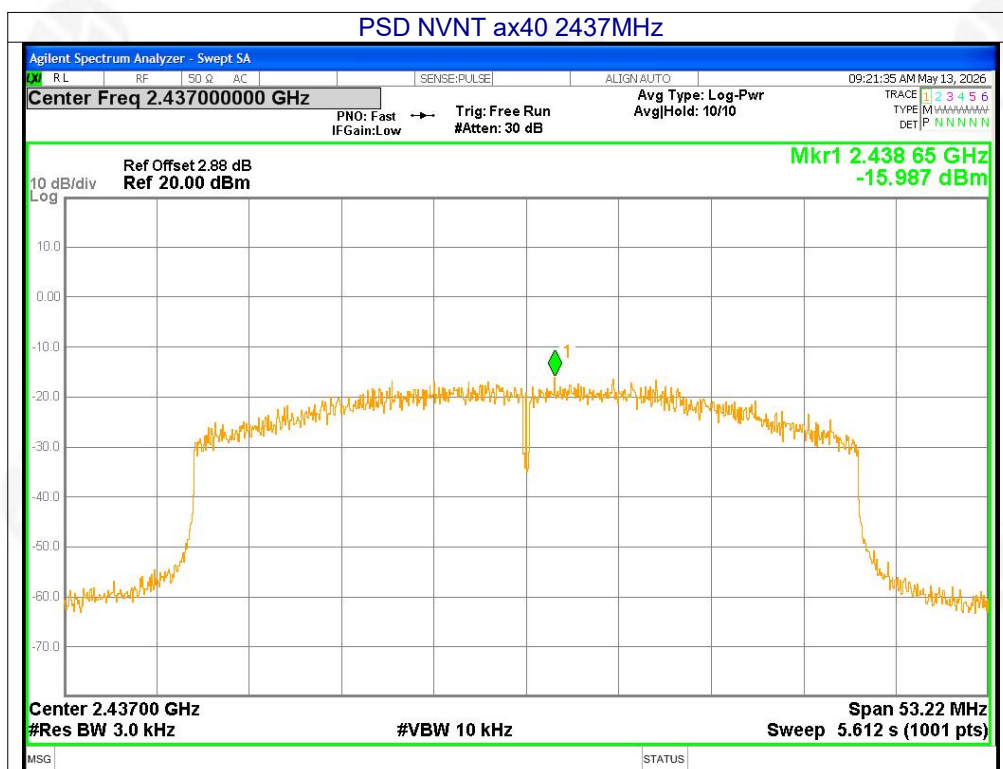














7. 6DB OCCUPIED BANDWIDTH

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

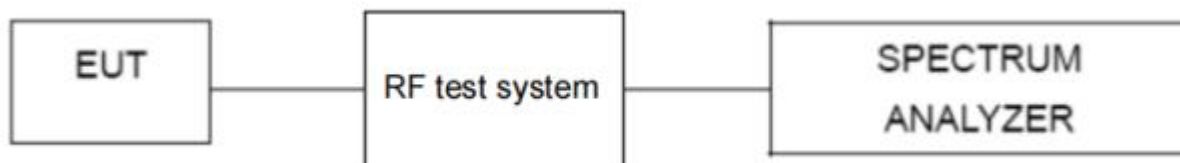
7.2 TEST PROCEDURE

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 follows during the testing.



7.6 TEST RESULT

Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	9.107	≥ 0.5	Pass
NVNT	b	2437	9.101	≥ 0.5	Pass
NVNT	b	2462	9.111	≥ 0.5	Pass
NVNT	g	2412	15.13	≥ 0.5	Pass
NVNT	g	2437	14.69	≥ 0.5	Pass
NVNT	g	2462	14.81	≥ 0.5	Pass
NVNT	n20	2412	11.46	≥ 0.5	Pass
NVNT	n20	2437	18.2	≥ 0.5	Pass
NVNT	n20	2462	16.21	≥ 0.5	Pass
NVNT	n40	2422	27.52	≥ 0.5	Pass
NVNT	n40	2437	25.8	≥ 0.5	Pass
NVNT	n40	2452	26.08	≥ 0.5	Pass
NVNT	ax20	2412	14.98	≥ 0.5	Pass
NVNT	ax20	2437	15.11	≥ 0.5	Pass
NVNT	ax20	2462	13.38	≥ 0.5	Pass
NVNT	ax40	2422	26.52	≥ 0.5	Pass
NVNT	ax40	2437	26.61	≥ 0.5	Pass
NVNT	ax40	2452	25.07	≥ 0.5	Pass

