SX

RF TEST REPORT

For

Shen zhen Le Gexun Electronics Co., Ltd
Product Name: WIFI Module
Test Model(s): 20800D8-04

Report Reference No.	:	**DACE260831002RF003**
FCC ID	:	**2BL2Z20800D8-04**
Applicant's Name	:	Shen zhen Le Gexun Electronics Co., Ltd
Address	:	Shenzhen,Bao'an District,Hangcheng Street,Qiangrong East Industrial Zone,Building A2,301.shenzhen, China
Testing Laboratory	:	Shenzhen DACE Testing Technology Co., Ltd.
Address	:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Test Specification Standard	:	**47 CFR Part 15.247**
Date of Receipt	:	August 31, 2026
Date of Test	:	August 31, 2026 to September 7, 2026
Date of Issue	:	September 7, 2026
Result	:	**Pass**

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Apply for company information

Applicant's Name	:	Shen zhen Le Gexun Electronics Co., Ltd
Address	:	Shenzhen,Bao'an District,Hangcheng Street,Qiangrong East Industrial Zone,Building A2,301.shenzhen, China
Product Name	:	WIFI Module
Test Model(s)	:	20800D8-04
Series Model(s)	:	AIC8800,LGX8800D,LGX8840S,LGX8840S1,LGX8840S2,LGX8840U1
Test Specification Standard(s)	:	47 CFR Part 15.247

NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Compiled by:	Supervised by:	Approved by:
Lucy Mo	Ben Tang	Machael Mo
Lucy Mo / Test Engineer	Ben Tang / Project Engineer	Machael Mo / Manager
September 7, 2026	September 7, 2026	September 7, 2026

Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE260831002RF003	September 7, 2026

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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

1.2 Summary of Test Result

Item	Standard	Method	Requirement	Result
Antenna requirement	47 CFR Part 15.247	---	47 CFR 15.203	Pass
Conducted Emission at AC power line	47 CFR Part 15.247	ANSI C63.10-2020 section 6.2	47 CFR 15.207(a)	Pass
6dB Bandwidth	47 CFR Part 15.247	ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(a)(2)	Pass
Maximum Conducted Output Power	47 CFR Part 15.247	ANSI C63.10-2020 section 11.9.1 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(b)(3)	Pass
Power Spectral Density	47 CFR Part 15.247	ANSI C63.10-2020, section 11.10 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(e)	Pass
Emissions in non-restricted frequency bands	47 CFR Part 15.247	ANSI C63.10-2020 section 11.11 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d)	Pass
Band edge emissions (Radiated)	47 CFR Part 15.247	ANSI C63.10-2020 section 6.10 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d), 15.209, 15.205	Pass
Emissions in frequency bands (below 1GHz)	47 CFR Part 15.247	ANSI C63.10-2020 section 6.5.4 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d), 15.209, 15.205	Pass
Emissions in frequency bands (above 1GHz)	47 CFR Part 15.247	ANSI C63.10-2020 section 6.5.4 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d), 15.209, 15.205	Pass

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name : Shen zhen Le Gexun Electronics Co., Ltd
Address : Shenzhen,Bao'an District,Hangcheng Street,Qiangrong East Industrial Zone,Building A2,301.shenzhen, China

Manufacturer : Shen zhen Le Gexun Electronics Co., Ltd
Address : Shenzhen,Bao'an District,Hangcheng Street,Qiangrong East Industrial Zone,Building A2,301.shenzhen, China

2.2 Description of Device (EUT)

Product Name:	WIFI Module
Model/Type reference:	20800D8-04
Series Model:	AIC8800,LGX8800D,LGX8840S,LGX8840S1,LGX8840S2,LGX8840U1
Model Difference:	The product has many models, only the model name and color is different, and the other parts such as the circuit principle, pcb and electrical structure are the same.
Trade Mark:	N/A
Power Supply:	VCC:3.3V
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz; 802.11n(HT40): 2422MHz to 2452MHz
Number of Channels:	802.11b/g/n(HT20): 11 Channels; 802.11n(HT40): 7 Channels
Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK); 802.11g: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n(HT20 and HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM)
Antenna Type:	FPC
Antenna Gain:	1.82dBi
Hardware Version:	V1.0
Software Version:	V1.0

Remark:The Antenna Gain is supplied by the customer.DACE is not responsible for this data and the related calculations associated with it

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/802.11g/802.11n(HT20)

Lowest channel	2412MHz
Middle channel	2437MHz
Highest channel	2462MHz
Test channel	802.11n(HT40)
Lowest channel	2422MHz
Middle channel	2437MHz
Highest channel	2452MHz

2.3 Description of Test Modes

No	Title	Description
TM1	802.11b mode	Keep the EUT in 802.11b transmitting mode.
TM2	802.11g mode	Keep the EUT in 802.11g transmitting mode.
TM3	802.11n(HT20) mode	Keep the EUT in 802.11n(HT20) transmitting mode.
TM4	802.11n(HT40) mode	Keep the EUT in 802.11n(HT40) transmitting mode.
Remark:Only the data of the worst mode would be recorded in this report.		

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
PC	HP	TPN-Q304	/

2.5 Equipments Used During The Test

Conducted Emission at AC power line					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Power absorbing clamp	SCHWARZ BECK	MESS-ELEKTRONIK	/	2026-04-14	2027-04-13
Electric Network	SCHWARZ BECK	CAT5 8158	CAT5 8158#207	2026-04-14	2027-04-13
Cable	SCHWARZ BECK	/	/	2026-04-14	2027-04-13
Pulse Limiter	SCHWARZ BECK	VTSD 9561-F Pulse limiter 10dB Attenuation	561-G071	2025-12-02	2026-12-01
Test Receiver	Rohde & Schwarz	ESPI TEST RECEIVER	1164.6607K03 -102109-MH	2026-04-14	2027-04-13
L.I.S.N	R&S	ESH3-Z5	831.5518.52	2026-04-14	2027-04-13
L.I.S.N	SCHWARZ BECK	NSLK 8126	05055	2026-04-14	2027-04-13
Pulse Limiter	CYBERTEK	EM5010A	/	2026-04-14	2027-04-13
EMI test software	Farad	EZ -EMC	EMEC-3A1.1	/	/

Maximum Conducted Output Power **Power Spectral Density** **Emissions in non-restricted frequency bands** **6dB Bandwidth**					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
RF Control Unit	Tachoy Information Technology(shenzhen) Co.,Ltd.	TR1029-1	20220428C005	/	/

Emissions in frequency bands (above 1GHz) Band edge emissions (Radiated) Emissions in frequency bands (below 1GHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EMI Test software	Farad	EZ -EMC	FA-03A2 RE+	/	/
Positioning Controller	MF	MF-7802	/	/	/
Amplifier(18-40G)	COM-POWER	AH-1840	10100008-1	2024-04-26	2027-04-25
Horn antenna	COM-POWER	AH-1840 (18-40G)	10100008	2024-04-26	2027-04-25
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2026-04-14	2027-04-13
Cable(LF)#2	Schwarzbeck	/	/	2026-04-13	2027-04-12
Cable(LF)#1	Schwarzbeck	/	/	2026-04-14	2027-04-13
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2026-04-14	2027-04-13
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	/	2026-04-14	2027-04-13
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2026-04-14	2027-04-13
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2026-04-14	2027-04-13
Wideband radio communication tester	R&S	CMW500	113410	2026-04-14	2027-04-13
Spectrum Analyzer	R&S	FSP30	1321.3008K40 -101729-jR	2026-04-14	2027-04-13
Test Receiver	R&S	ESCI 3	1166.5950K03 -101431-Jq	2026-04-14	2027-04-13
Horn Antenna	Sunol Sciences	DRH-118	A091114	2026-04-14	2027-04-13
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2026-04-29	2028-04-28

2.6 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Disturbance (0.15~30MHz)	±3.41dB
Occupied Bandwidth	±3.63%
RF conducted power	±0.733dB
RF power density	±0.234%
Conducted Spurious emissions	±1.98dB
Radiated Emission (Above 1GHz)	±5.46dB
Radiated Emission (Below 1GHz)	±5.79dB
Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

2.7 Identification of Testing Laboratory

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252

Identification of the Responsible Testing Location

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
Designation Number:	CN1342
Test Firm Registration Number:	778666
A2LA Certificate Number:	6270.01

2.8 Announcement

(1) The test report reference to the report template version v0.

(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.

(3) The test report is invalid if there is any evidence and/or falsification.

(4) This document may not be altered or revised in any way unless done so by DACE and all revisions are duly noted in the revisions section.

(5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

(6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

3 Evaluation Results (Evaluation)

3.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, 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 shall be considered sufficient to comply with the provisions of this section.
Test Method:	Reference to the Internal photos for details

4 Radio Spectrum Matter Test Results (RF)

4.1 Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).
Test Limit:	

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

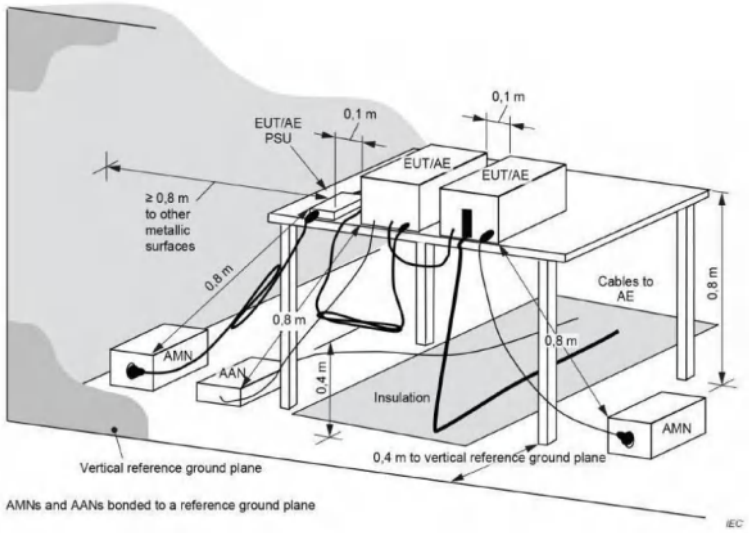
*Decreases with the logarithm of the frequency.

Test Method:	ANSI C63.10-2020 section 6.2
Procedure:	Refer to ANSI C63.10-2020 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.1 E.U.T. Operation:

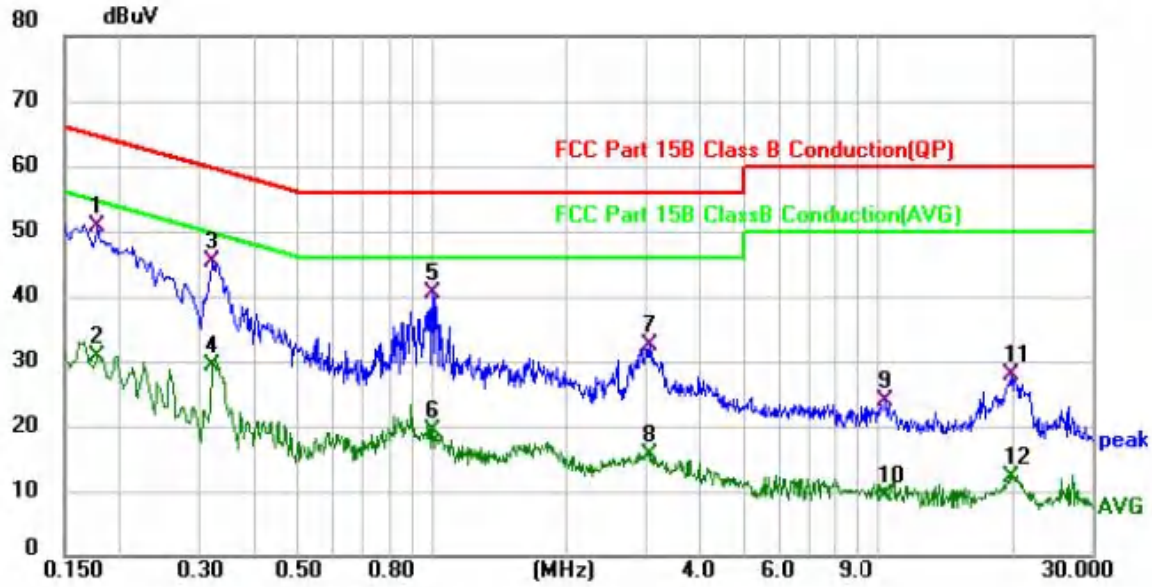
Operating Environment:					
Temperature:	22.4 °C	Humidity:	51 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

4.1.2 Test Setup Diagram:



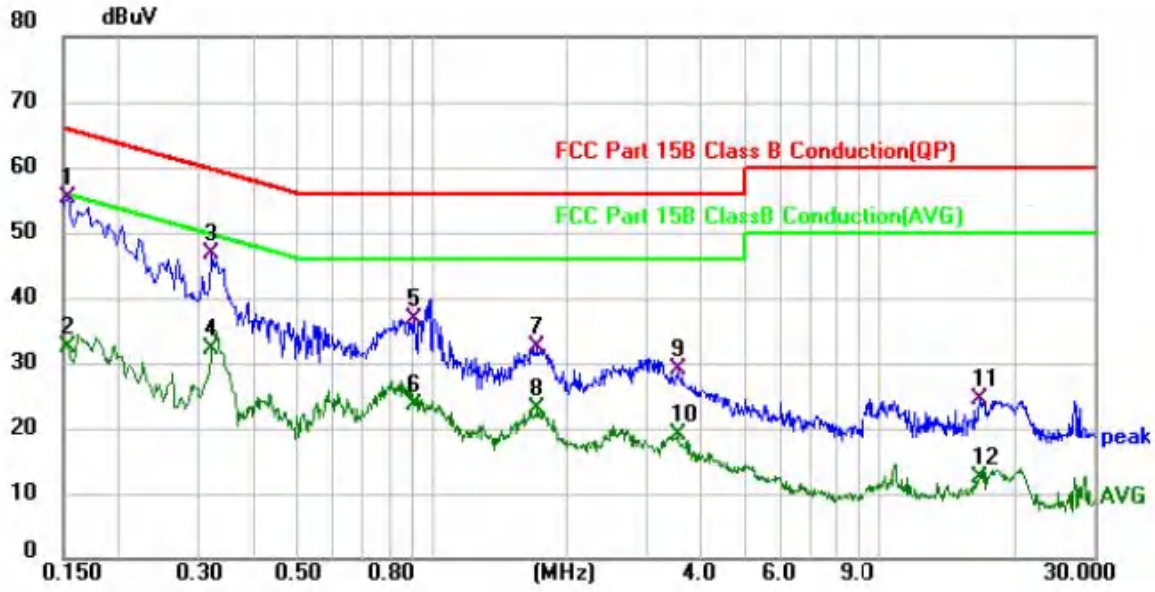
4.1.3 Test Data:

TM1 / Line: Line / Band: 2400-2483.5 MHz / BW: 1 / CH: L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1780	40.53	10.11	50.64	64.58	-13.94	QP	
2		0.1780	20.48	10.11	30.59	54.58	-23.99	AVG	
3		0.3220	35.22	10.10	45.32	59.66	-14.34	QP	
4		0.3220	19.13	10.10	29.23	49.66	-20.43	AVG	
5		1.0060	30.37	10.08	40.45	56.00	-15.55	QP	
6		1.0060	9.23	10.08	19.31	46.00	-26.69	AVG	
7		3.0620	22.15	10.15	32.30	56.00	-23.70	QP	
8		3.0620	5.42	10.15	15.57	46.00	-30.43	AVG	
9		10.3660	12.73	11.17	23.90	60.00	-36.10	QP	
10		10.3660	-1.79	11.17	9.38	50.00	-40.62	AVG	
11		19.8700	17.18	10.63	27.81	60.00	-32.19	QP	
12		19.8700	1.49	10.63	12.12	50.00	-37.88	AVG	

TM1 / Line: Neutral / Band: 2400-2483.5 MHz / BW: 1 / CH: L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1539	45.17	10.11	55.28	65.79	-10.51	QP	
2		0.1539	22.32	10.11	32.43	55.79	-23.36	AVG	
3		0.3220	36.71	10.10	46.81	59.66	-12.85	QP	
4		0.3220	22.02	10.10	32.12	49.66	-17.54	AVG	
5		0.9180	26.70	10.10	36.80	56.00	-19.20	QP	
6		0.9180	13.51	10.10	23.61	46.00	-22.39	AVG	
7		1.7180	22.33	10.12	32.45	56.00	-23.55	QP	
8		1.7180	12.79	10.12	22.91	46.00	-23.09	AVG	
9		3.5340	18.88	10.18	29.06	56.00	-26.94	QP	
10		3.5340	8.80	10.18	18.98	46.00	-27.02	AVG	
11		16.7220	13.91	10.64	24.55	60.00	-35.45	QP	
12		16.7220	1.72	10.64	12.36	50.00	-37.64	AVG	

NOTE:
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.Mesurement Level = Reading level + Correct Factor, Over=Limit- Mesurement

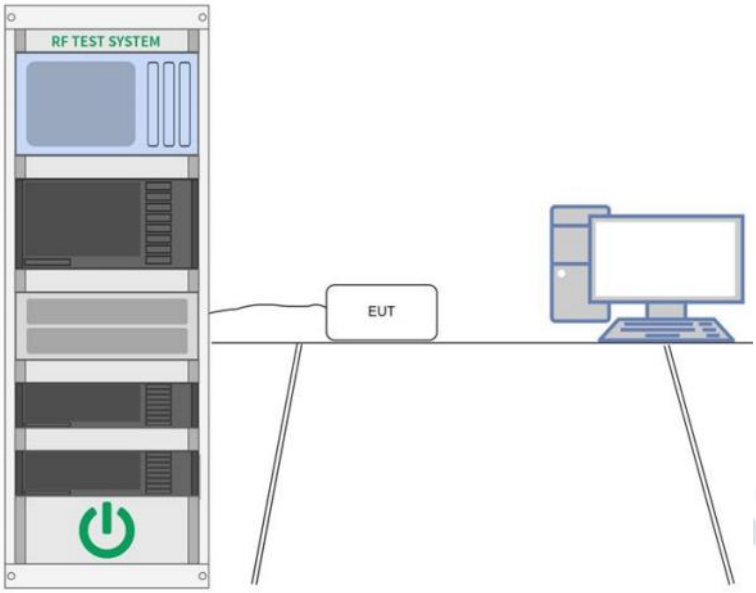
4.2 6dB Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "−6 dB down amplitude". If a marker is below this "−6 dB down amplitude" value, then it shall be as close as possible to this value.11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

4.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.3 °C	Humidity:	51 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.2.2 Test Setup Diagram:



4.2.3 Test Data:

Please Refer to Appendix for Details.

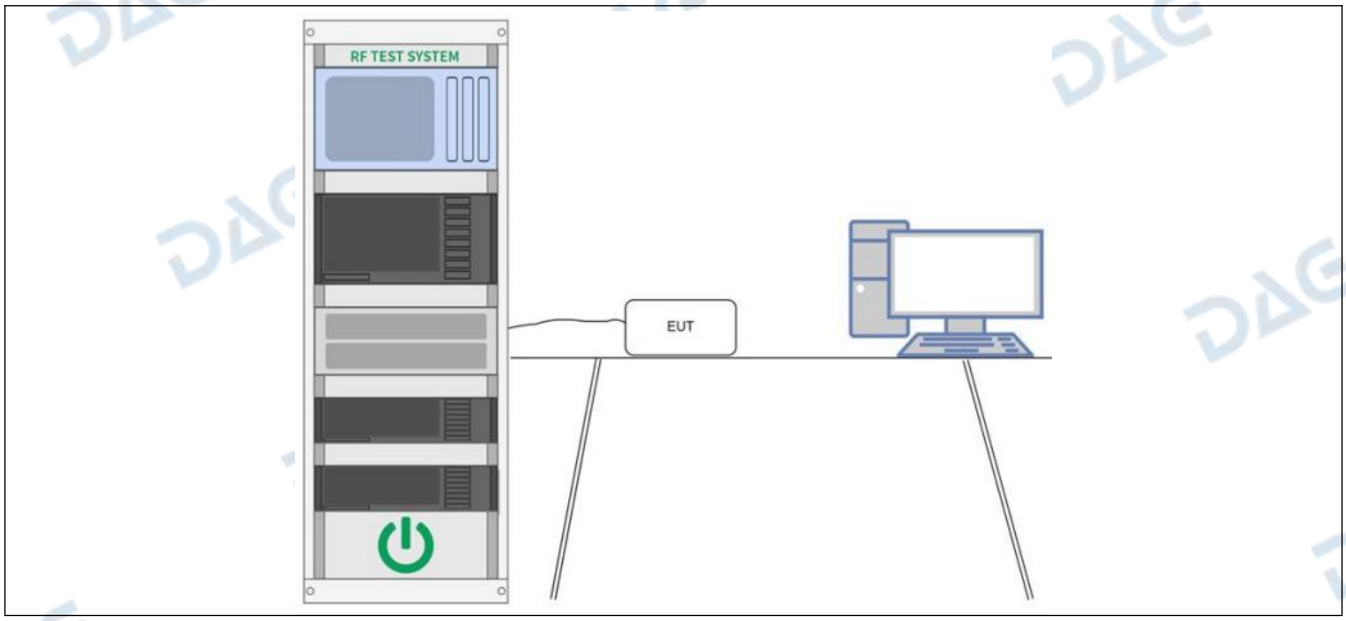
4.3 Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit:	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2020 section 11.9.1 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power Note: Per ANSI C63.10-2020, if there are two or more antnnas, the conducted powers at Core 0, Core 1,…, Core i were first measured separately, as shown in the section above(this product olny have one antenna). The measured values were then summed in linear power units then converted back to dBm. Per ANSI C63.10-2020 Section 14.4.3.2.3, the directional gain is calculated using the following formula, where GN is the gain of the nth antenna and NANT, the total number of antennas used. For correlated unequal antenna gain Directional gain = 10*log[(10G1/20 + 10G2/20 + … + 10GN/20)2 / NANT] dBi For completely uncorrelated unequal antenna gain Directional gain = 10*log[(10G1/10 + 10G2/10 + … + 10GN/10)/ NANT] dBi Sample Multiple antennas Calculation: Core 0 + Core 1 +…Core i. = MIMO/CDD (i is the number of antennas) (#VALUE! mW + mW) = #VALUE! mW = dBm Sample e.i.r.p. Calculation: e.i.r.p. (dBm) = Conducted Power (dBm) + Ant gain (dBi)

4.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.7 °C	Humidity:	46 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.3.2 Test Setup Diagram:



4.3.3 Test Data:

Please Refer to Appendix for Details.

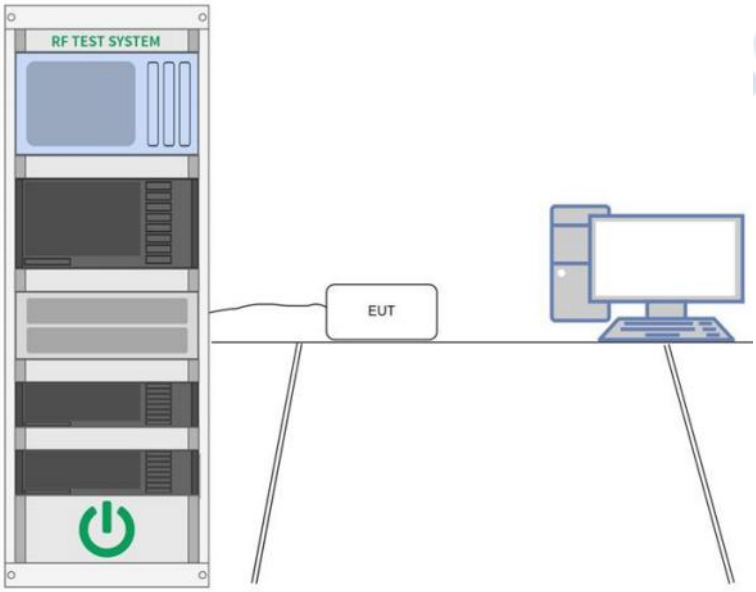
4.4 Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2020, section 11.10 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020+Cor 1-2023, section 11.10, Maximum power spectral density level in the fundamental emission

4.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.3 °C	Humidity:	46 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.4.2 Test Setup Diagram:



4.4.3 Test Data:

Please Refer to Appendix for Details.

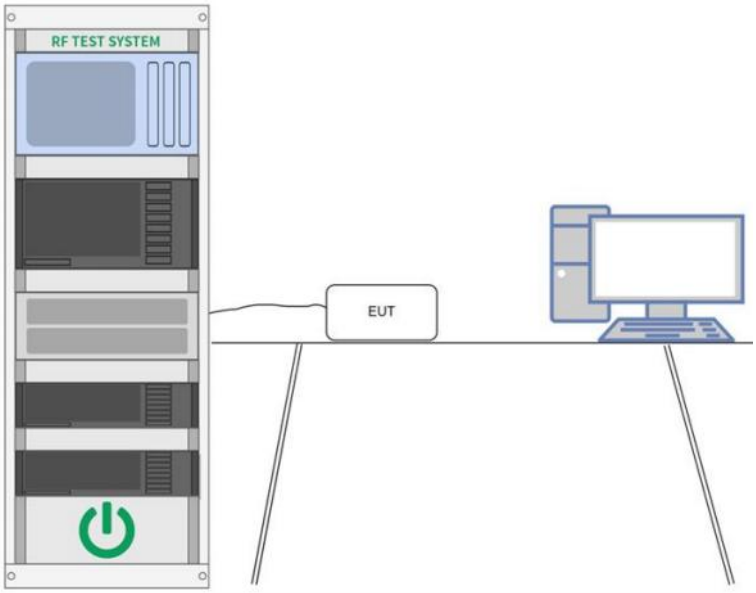
4.5 Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d)
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2020 section 11.11 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020 Section 11.11.1, Section 11.11.2, Section 11.11.3

4.5.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.4 °C	Humidity:	47 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.5.2 Test Setup Diagram:



4.5.3 Test Data:

Please Refer to Appendix for Details.

4.6 Band edge emissions (Radiated)

Test Requirement:	Refer to 47 CFR 15.247(d), 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 in § 15.209(a)(see § 15.205(c)).
Test Limit:	

Frequency (MHz)	Field strength (microvolts/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

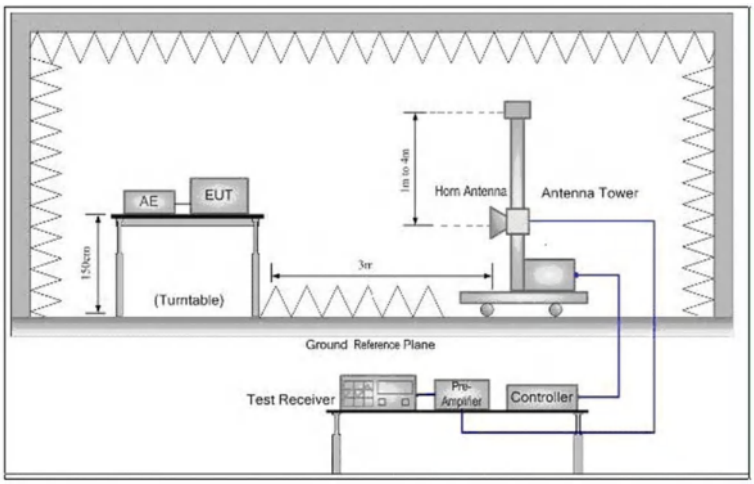
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
In the emission table above, the tighter limit applies at the band edges.
The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Method:	ANSI C63.10-2020 section 6.10 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020 section 6.10.5.2

4.6.1 E.U.T. Operation:

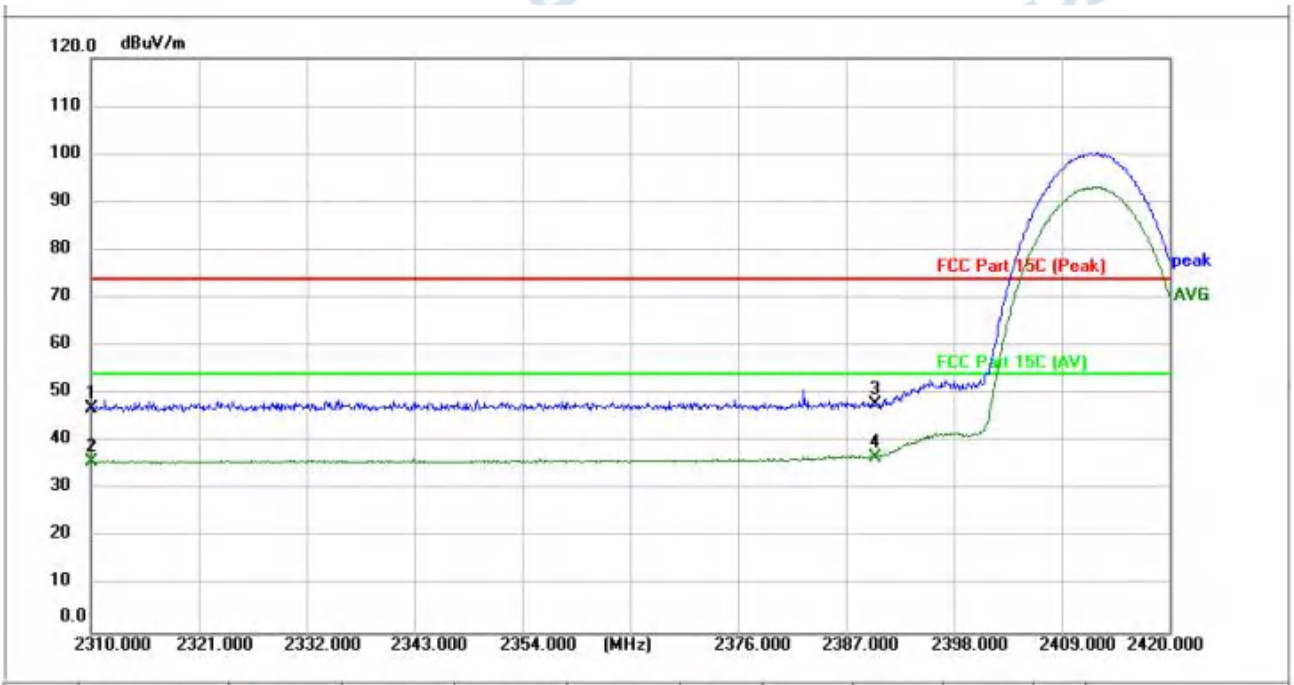
Operating Environment:					
Temperature:	23 °C	Humidity:	50 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.6.2 Test Setup Diagram:



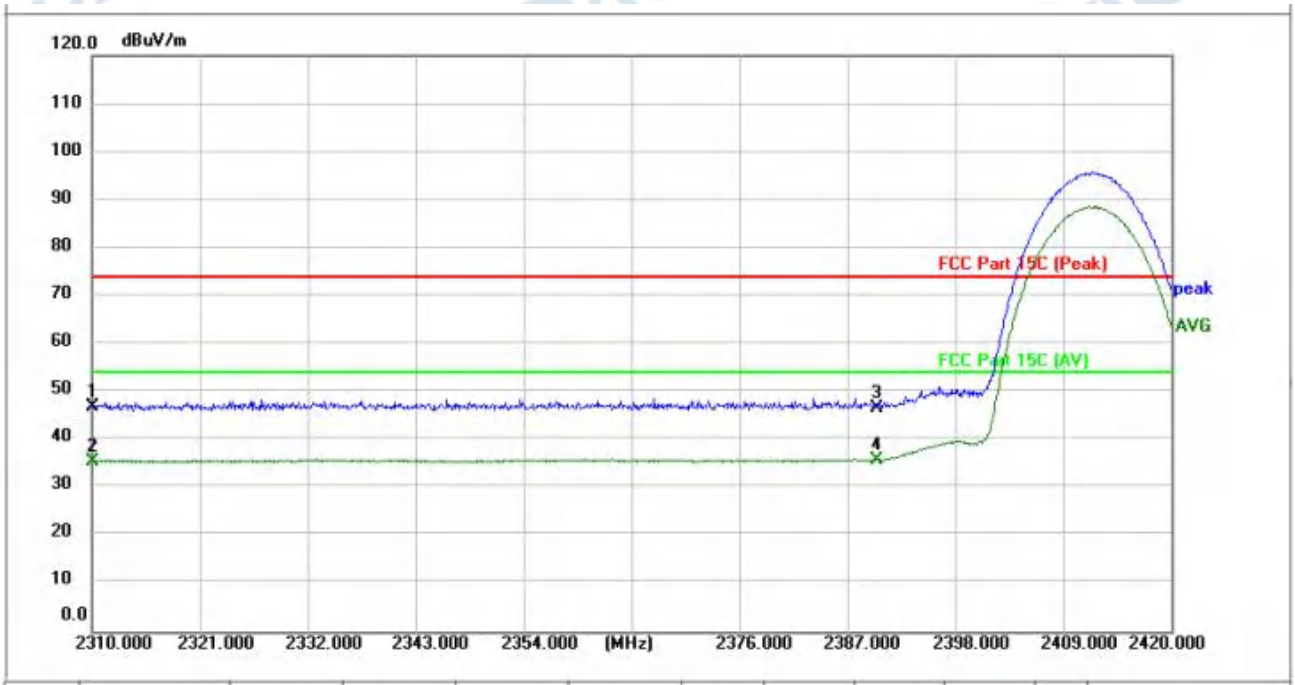
4.6.3 Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L



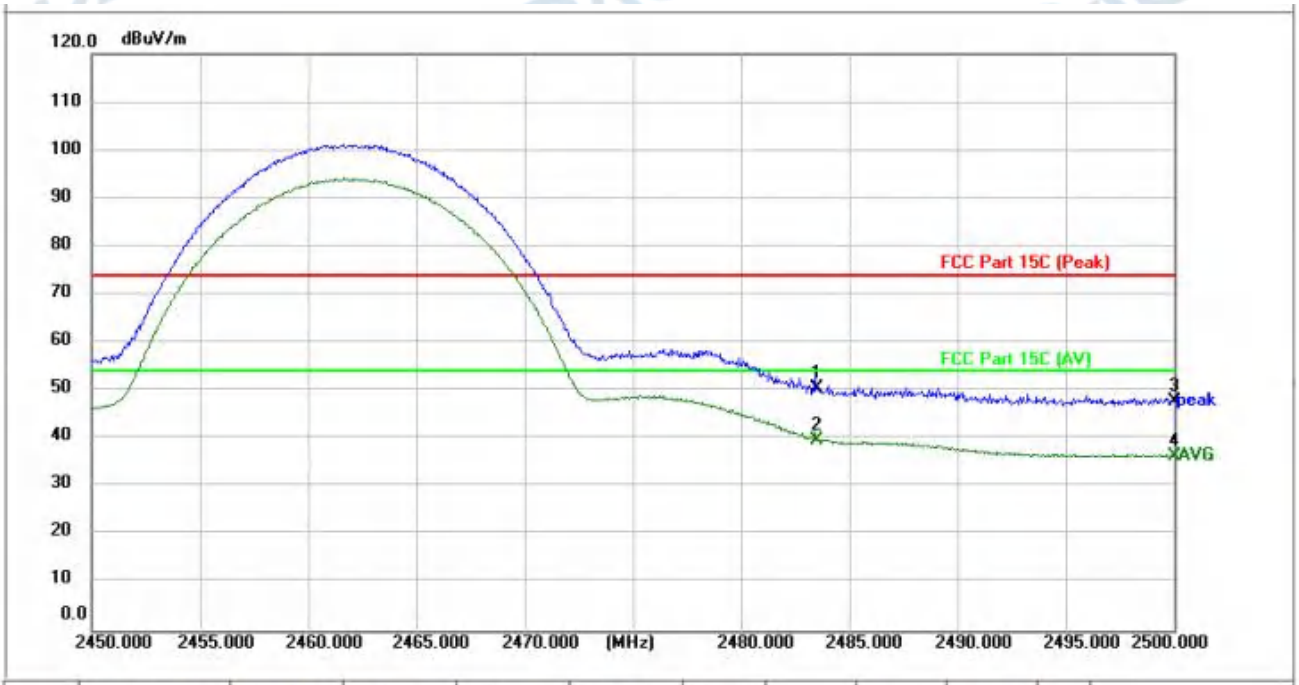
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2310.000	40.54	6.35	46.89	74.00	-27.11	peak	150		P	
2	2310.000	29.46	6.35	35.81	54.00	-18.19	AVG	150		P	
3	2390.000	41.15	6.56	47.71	74.00	-26.29	peak	150		P	
4 *	2390.000	30.29	6.56	36.85	54.00	-17.15	AVG	150		P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L



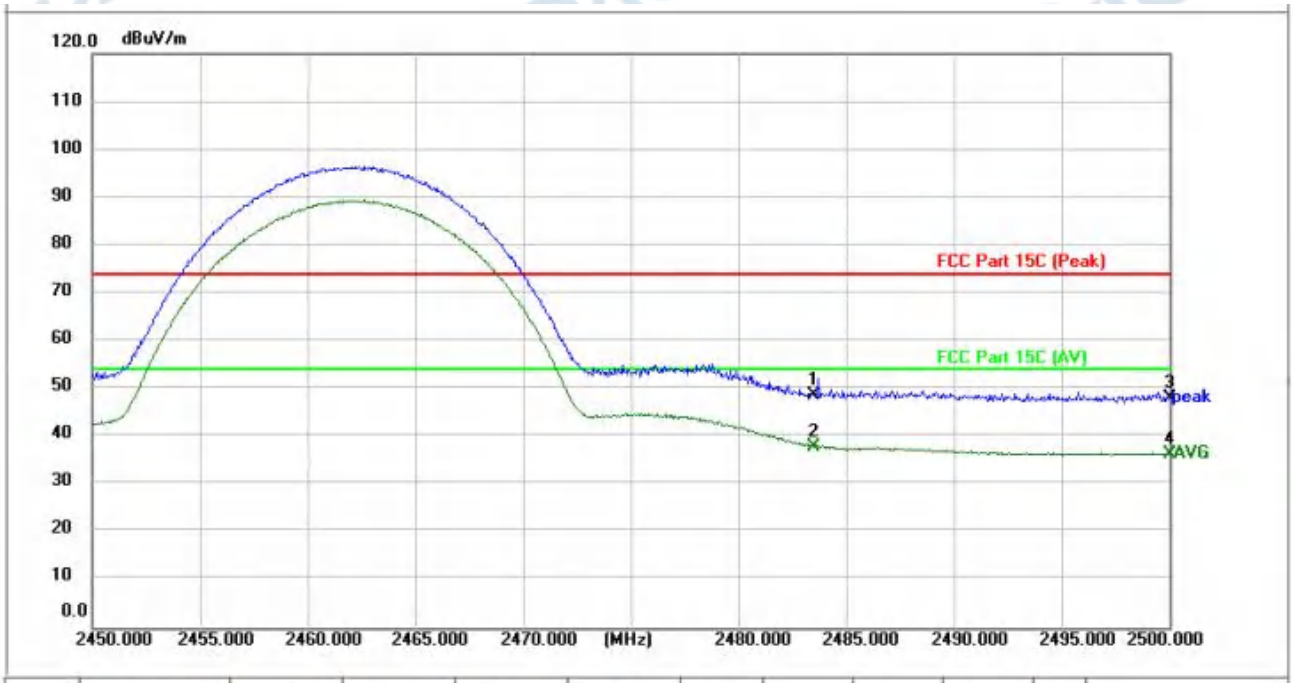
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2310.000	40.66	6.35	47.01	74.00	-26.99	peak	150		P	
2	2310.000	29.29	6.35	35.64	54.00	-18.36	AVG	150		P	
3	2390.000	39.99	6.56	46.55	74.00	-27.45	peak	150		P	
4 *	2390.000	29.29	6.56	35.85	54.00	-18.15	AVG	150		P	

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	43.88	6.80	50.68	74.00	-23.32	peak	150		P	
2 *	2483.500	32.93	6.80	39.73	54.00	-14.27	AVG	150		P	
3	2500.000	41.09	6.84	47.93	74.00	-26.07	peak	150		P	
4	2500.000	29.60	6.84	36.44	54.00	-17.56	AVG	150		P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	41.89	6.80	48.69	74.00	-25.31	peak	150		P	
2 *	2483.500	31.13	6.80	37.93	54.00	-16.07	AVG	150		P	
3	2500.000	41.30	6.84	48.14	74.00	-25.86	peak	150		P	
4	2500.000	29.54	6.84	36.38	54.00	-17.62	AVG	150		P	

Remark:Margin=Level - Limit, Level=Test receiver reading + correction factor
The test software will only record the worst test angle and height, and only the worst case will be recorded in the test report.

4.7 Emissions in frequency bands (below 1GHz)

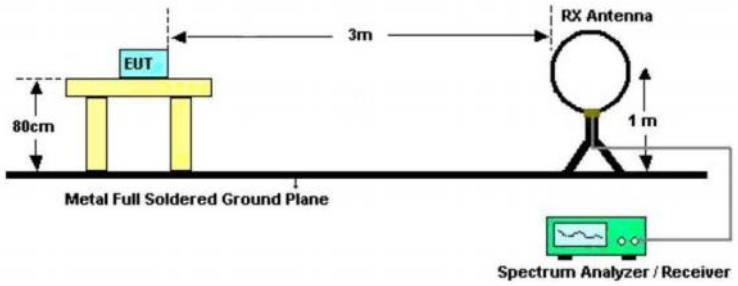
<table>
<tr><td>Test Requirement:</td><td>Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).</td></tr>
<tr><td>Test Limit:</td><td>
<table>
<tr><td>Frequency (MHz)</td><td>Field strength (microvolts/meter)</td><td>Measurement distance (meters)</td></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
<tr><td>88-216</td><td>150 **</td><td>3</td></tr>
<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
In the emission table above, the tighter limit applies at the band edges.
The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10-2020 section 6.5.4
KDB 558074 D01 15.247 Meas Guidance v05r02</td></tr>
<tr><td>Procedure:</td><td>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
d. 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.
e. 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.
f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
g. 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.
h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
j. Repeat above procedures until all frequencies measured was complete.
Remark:
1) For emission below 1GHz, through pre-scan found the worst case is the lowest</td></tr>
</table>

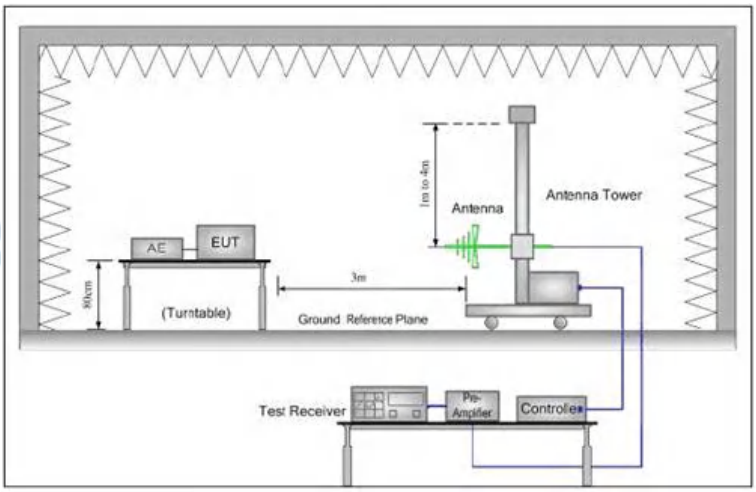
	channel. Only the worst case is recorded in the report. 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level =Receiver Reading + Antenna Factor + Cable Factor ¨C Preamplifier Factor 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

4.7.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.7 °C	Humidity:	46 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.7.2 Test Setup Diagram:





4.7.3 Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	30.1054	28.03	3.05	31.08	40.00	-8.92	QP	100		P	
2	72.5916	26.96	-6.83	20.13	40.00	-19.87	QP	100		P	
3	126.3286	26.67	0.08	26.75	43.50	-16.75	QP	100		P	
4	202.8104	31.38	-3.90	27.48	43.50	-16.02	QP	100		P	
5	429.5228	27.34	0.86	28.20	46.00	-17.80	QP	100		P	
6	945.4399	26.41	10.33	36.74	46.00	-9.26	QP	100		P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	30.0000	27.89	3.23	31.12	40.00	-8.88	QP	100		P	
2	121.5486	29.59	-0.32	29.27	43.50	-14.23	QP	100		P	
3	197.2001	33.56	-3.55	30.01	43.50	-13.49	QP	100		P	
4	223.7334	31.29	-4.78	26.51	46.00	-19.49	QP	100		P	
5	517.2480	27.26	3.61	30.87	46.00	-15.13	QP	100		P	
6 *	958.7943	26.81	10.69	37.50	46.00	-8.50	QP	100		P	

4.8 Emissions in frequency bands (above 1GHz)

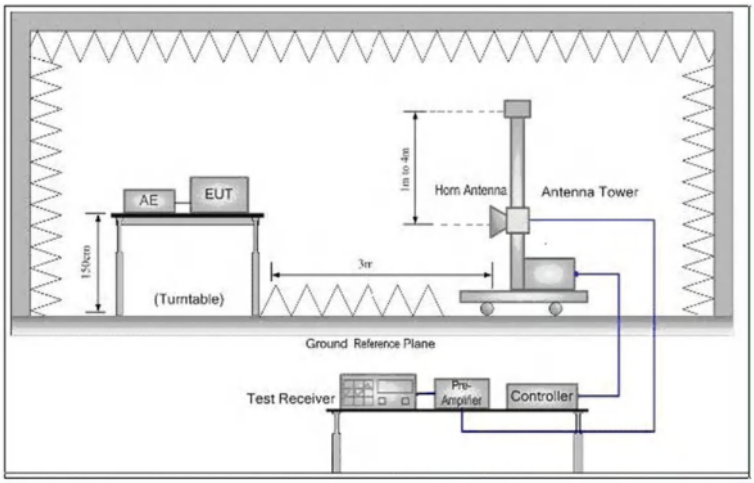
<table>
<tr><td>Test Requirement:</td><td>Refer to 47 CFR 15.247(d), in addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).</td></tr>
<tr><td>Test Limit:</td><td>
<table>
<tr><td>Frequency (MHz)</td><td>Field strength (microvolts/meter)</td><td>Measurement distance (meters)</td></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
<tr><td>88-216</td><td>150 **</td><td>3</td></tr>
<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
In the emission table above, the tighter limit applies at the band edges.
The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10-2020 section 6.5.4
KDB 558074 D01 15.247 Meas Guidance v05r02</td></tr>
<tr><td>Procedure:</td><td>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
d. 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.
e. 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.
f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
g. 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.
h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
j. Repeat above procedures until all frequencies measured was complete.
Remark:</td></tr>
</table>

	1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report. 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level =Receiver Reading + Antenna Factor + Cable Factor ¨C Preamplifier Factor 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

4.8.1 E.U.T. Operation:

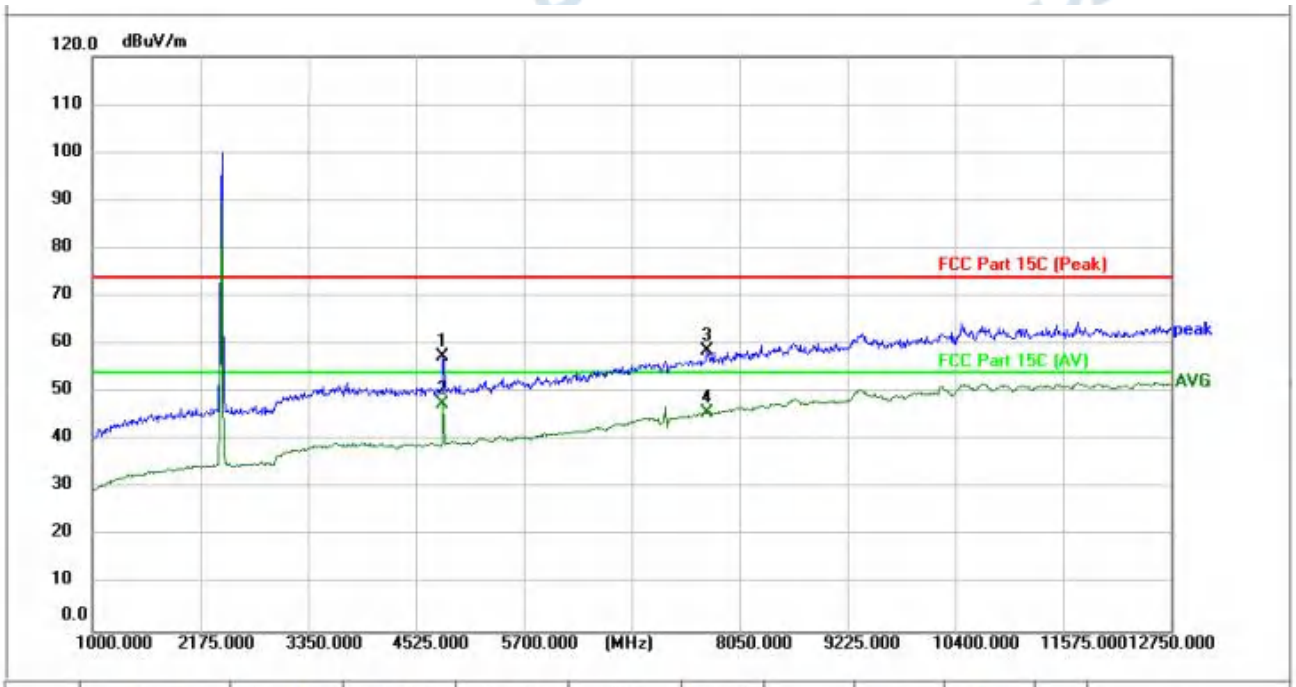
Operating Environment:					
Temperature:	23.6 °C	Humidity:	55 %	Atmospheric Pressure:	101.5 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.8.2 Test Setup Diagram:



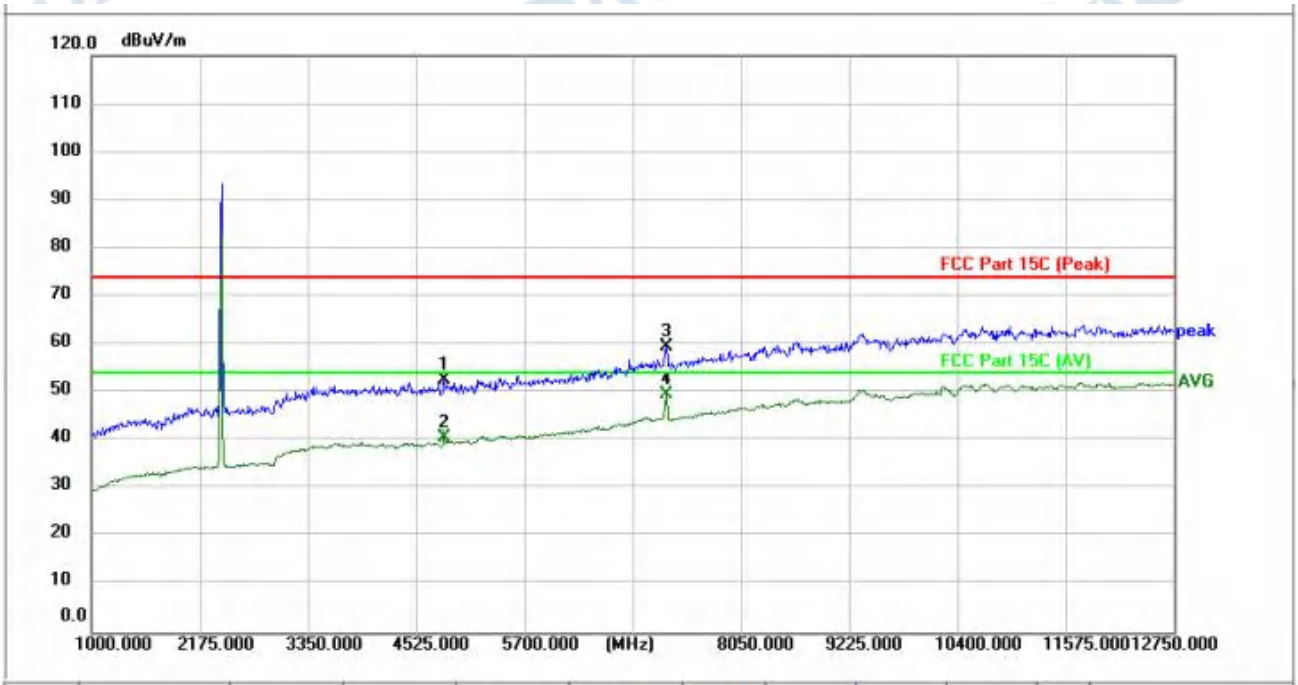
4.8.3 Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L



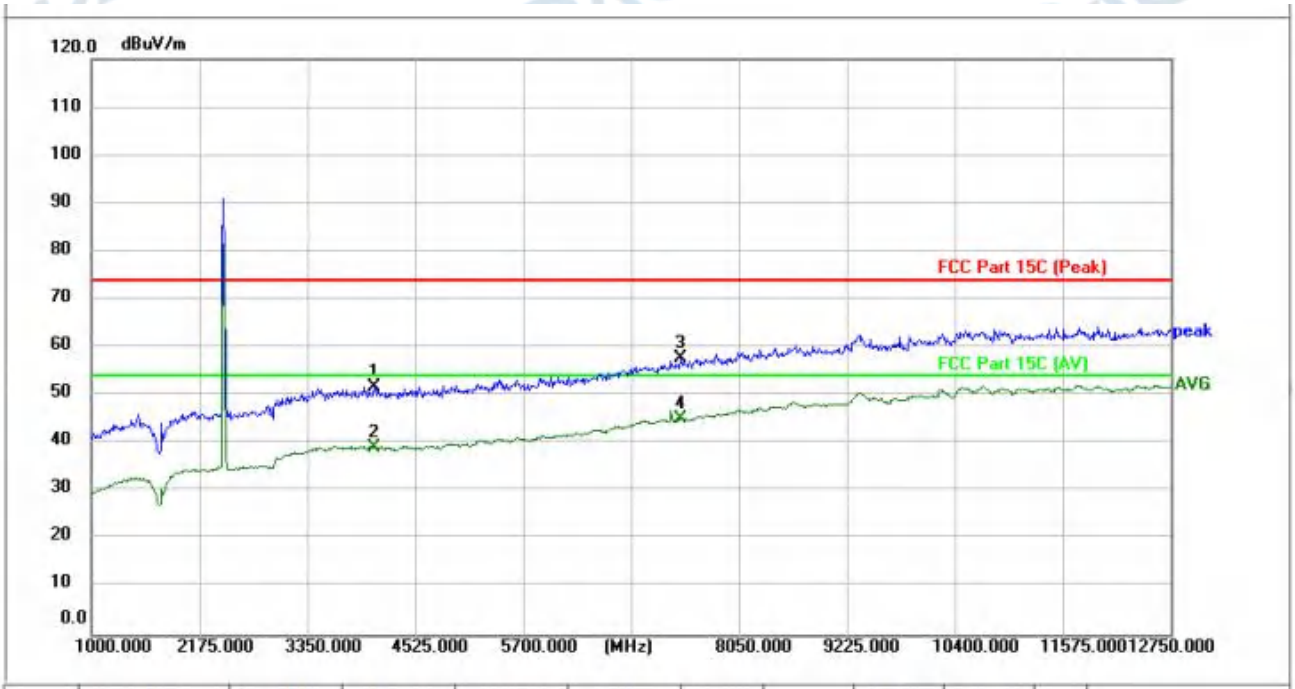
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4818.750	44.38	13.16	57.54	74.00	-16.46	peak			P	
2 *	4818.750	34.32	13.16	47.48	54.00	-6.52	AVG			P	
3	7697.500	37.74	20.83	58.57	74.00	-15.43	peak			P	
4	7697.500	25.02	20.83	45.85	54.00	-8.15	AVG			P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L



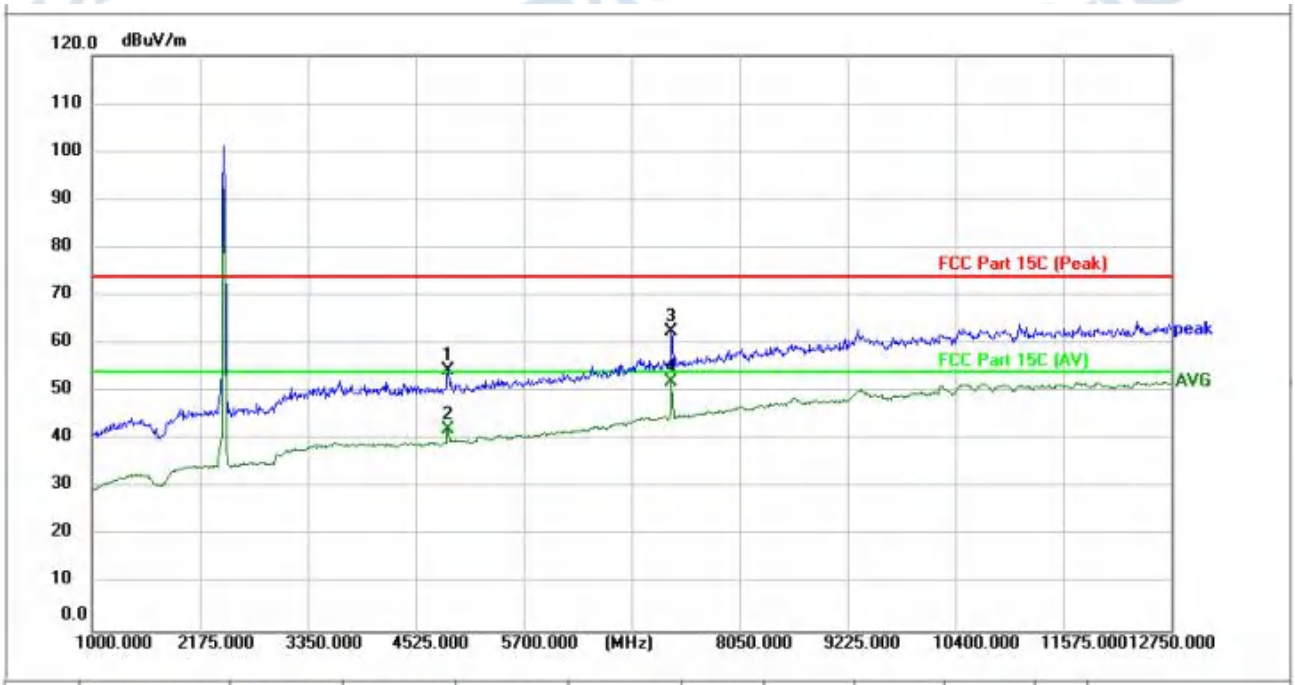
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4830.500	39.32	13.20	52.52	74.00	-21.48	peak	150		P	
2	4830.500	27.55	13.20	40.75	54.00	-13.25	AVG	150		P	
3	7239.250	39.57	19.93	59.50	74.00	-14.50	peak	150		P	
4 *	7239.250	29.78	19.93	49.71	54.00	-4.29	AVG	150		P	

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: M



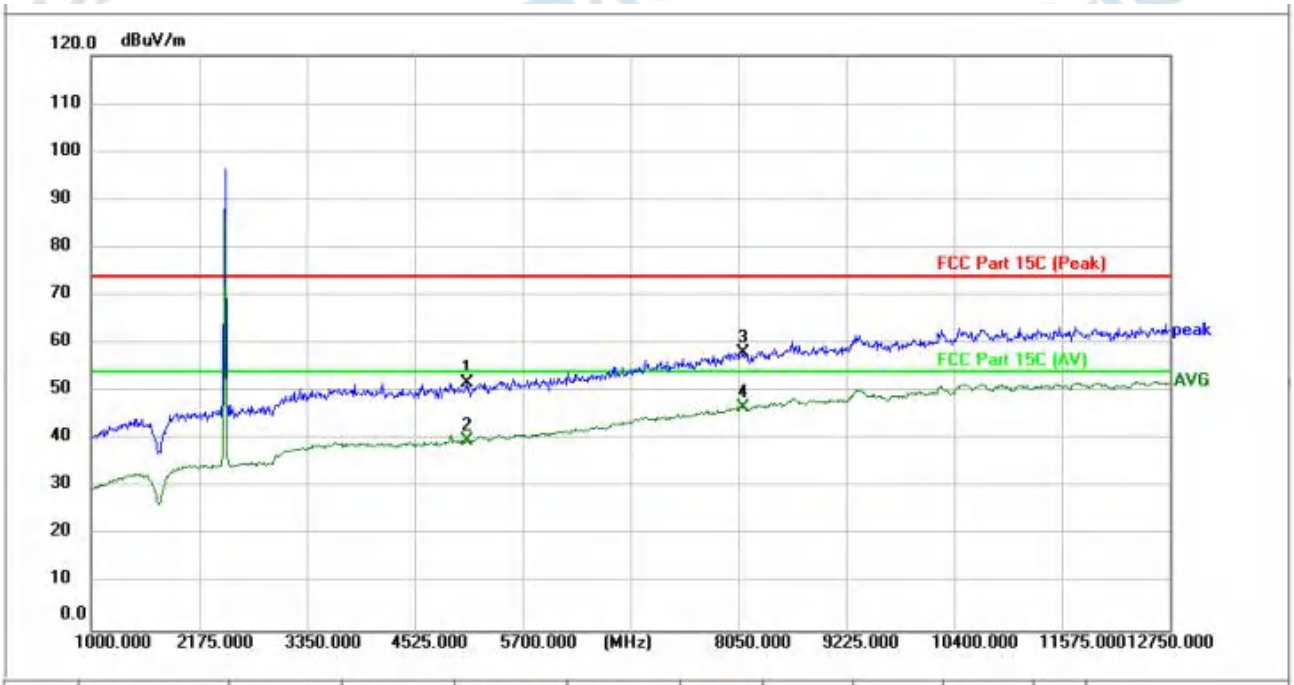
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4078.500	40.26	11.51	51.77	74.00	-22.23	peak	150		P	
2	4078.500	27.59	11.51	39.10	54.00	-14.90	AVG	150		P	
3	7415.500	37.73	20.14	57.87	74.00	-16.13	peak	150		P	
4 *	7415.500	24.87	20.14	45.01	54.00	-8.99	AVG	150		P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: M



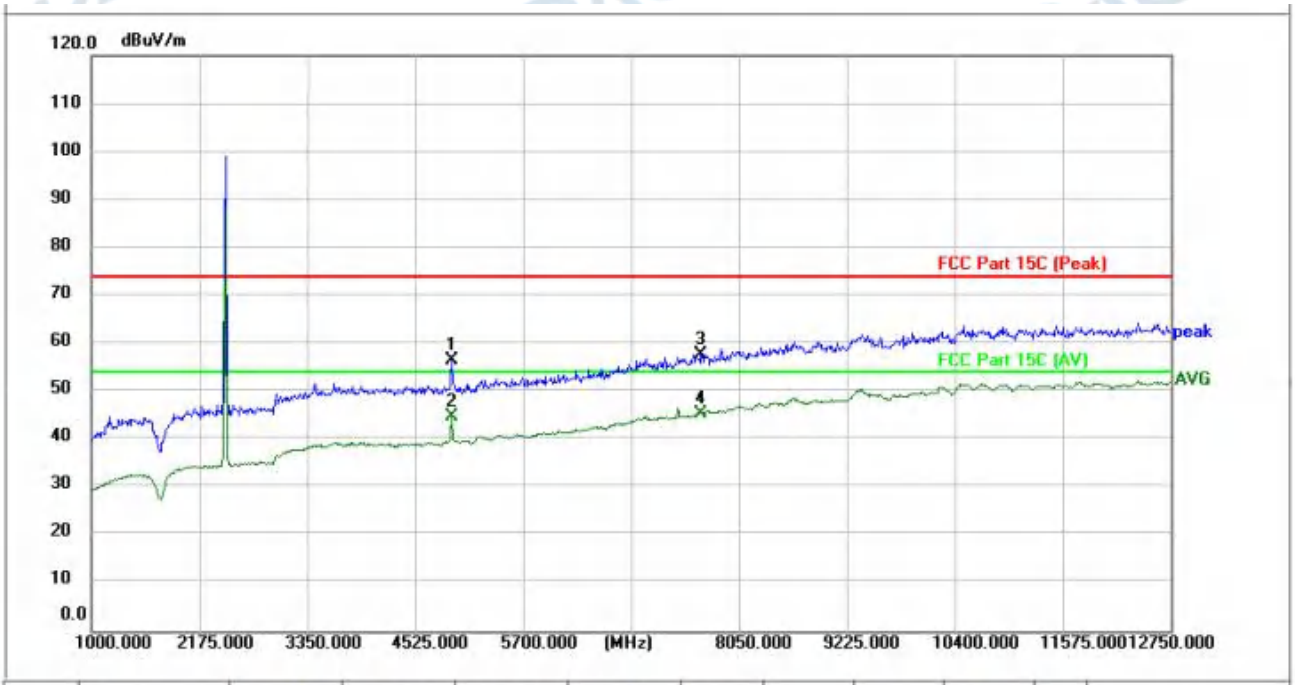
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4877.500	40.95	13.36	54.31	74.00	-19.69	peak	150		P	
2	4877.500	28.82	13.36	42.18	54.00	-11.82	AVG	150		P	
3	7309.750	42.67	20.00	62.67	74.00	-11.33	peak	150		P	
4 *	7309.750	32.14	20.00	52.14	54.00	-1.86	AVG	150		P	

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: H



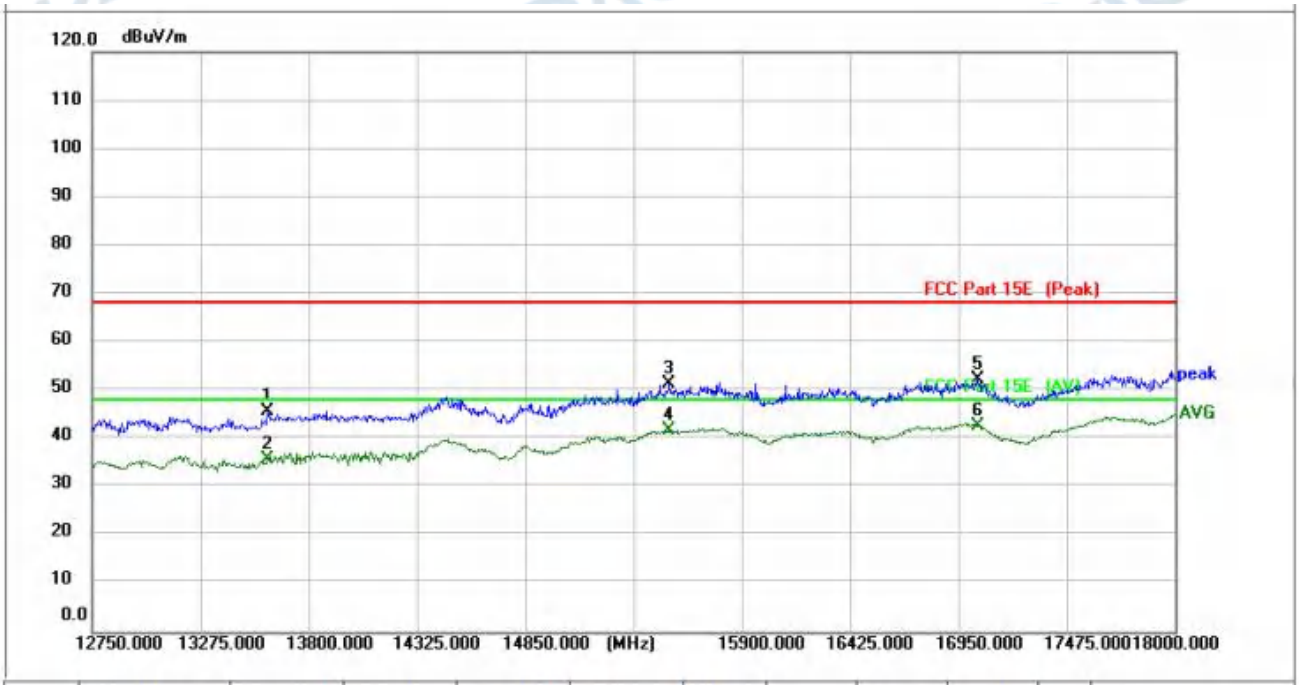
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5089.000	37.79	13.99	51.78	74.00	-22.22	peak	150		P	
2	5089.000	25.67	13.99	39.66	54.00	-14.34	AVG	150		P	
3	8097.000	36.03	21.95	57.98	74.00	-16.02	peak	150		P	
4 *	8097.000	24.84	21.95	46.79	54.00	-7.21	AVG	150		P	

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: H



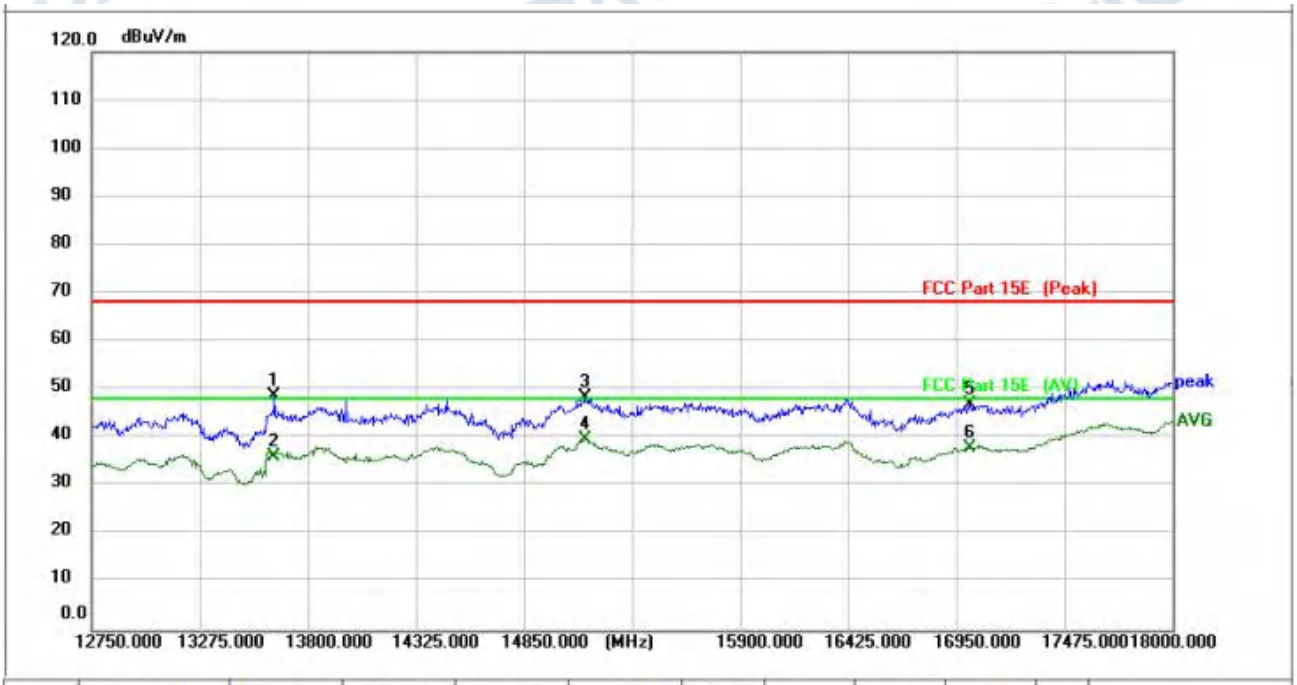
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4924.500	43.17	13.50	56.67	74.00	-17.33	peak	150		P	
2	4924.500	31.47	13.50	44.97	54.00	-9.03	AVG	150		P	
3	7638.750	37.19	20.65	57.84	74.00	-16.16	peak	150		P	
4 *	7638.750	24.95	20.65	45.60	54.00	-8.40	AVG	150		P	

TM1 / Polarization: Horizontal / Noise Floor



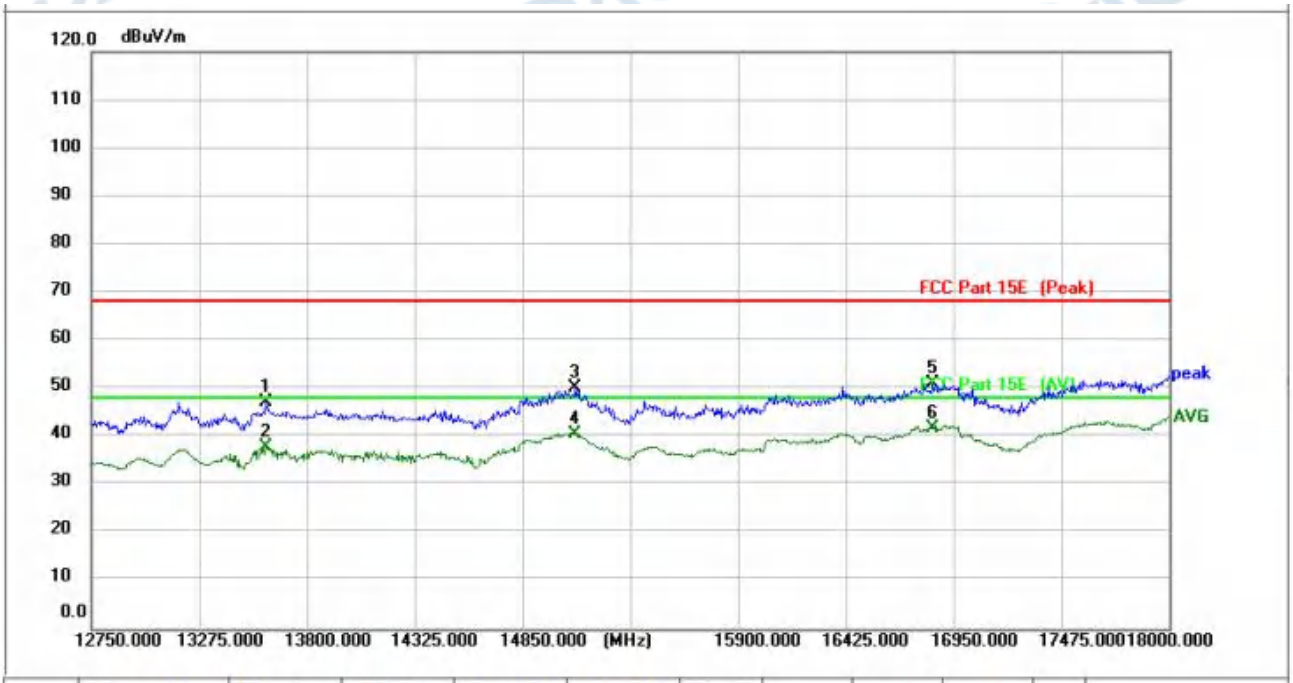
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	13600.500	37.03	8.60	45.63	68.20	-22.57	peak			P	
2	13600.500	27.35	8.60	35.95	48.20	-12.25	AVG			P	
3	15548.250	42.33	9.19	51.52	68.20	-16.68	peak			P	
4	15548.250	32.52	9.19	41.71	48.20	-6.49	AVG			P	
5	17044.500	39.16	13.11	52.27	68.20	-15.93	peak			P	
6 *	17044.500	29.79	13.11	42.90	48.20	-5.30	AVG			P	

TM1 / Polarization: Vertical / Noise Floor



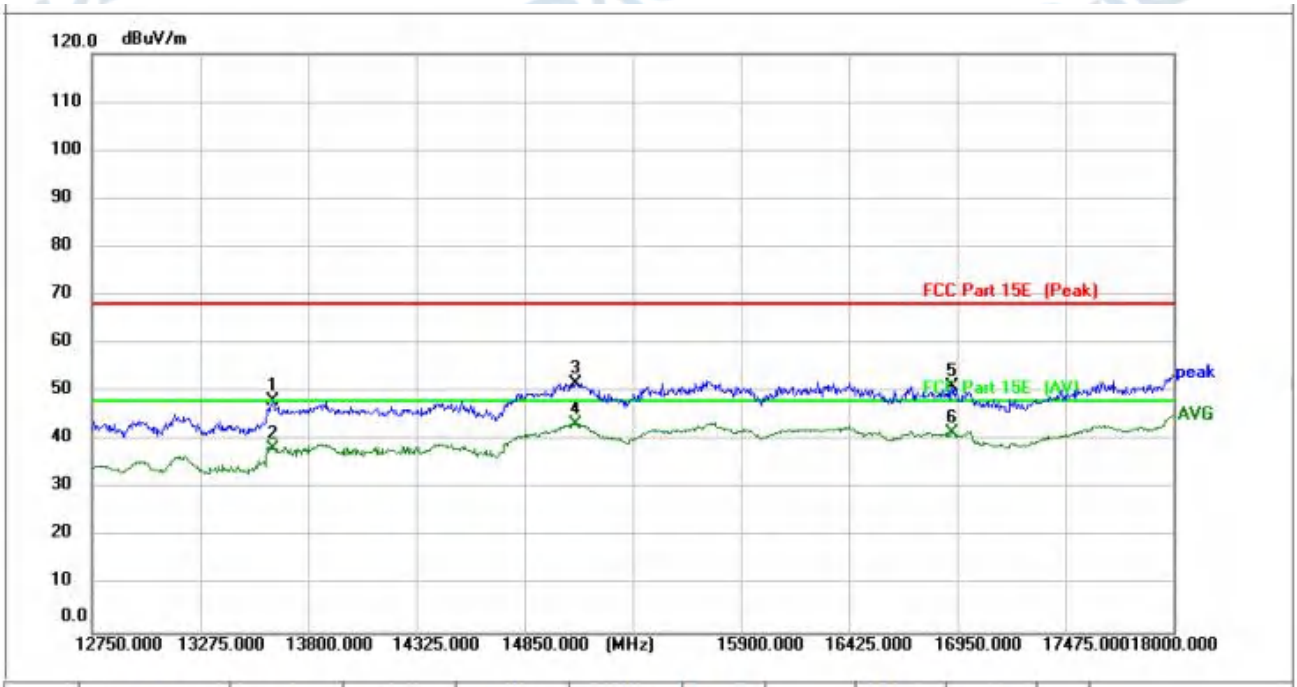
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	13637.250	40.15	8.59	48.74	68.20	-19.46	peak			P	
2	13637.250	27.50	8.59	36.09	48.20	-12.11	AVG			P	
3	15144.000	39.66	8.82	48.48	68.20	-19.72	peak			P	
4 *	15144.000	31.02	8.82	39.84	48.20	-8.36	AVG			P	
5	17013.000	33.97	12.99	46.96	68.20	-21.24	peak			P	
6	17013.000	24.96	12.99	37.95	48.20	-10.25	AVG			P	

TM1 / Polarization: Horizontal / Noise Floor



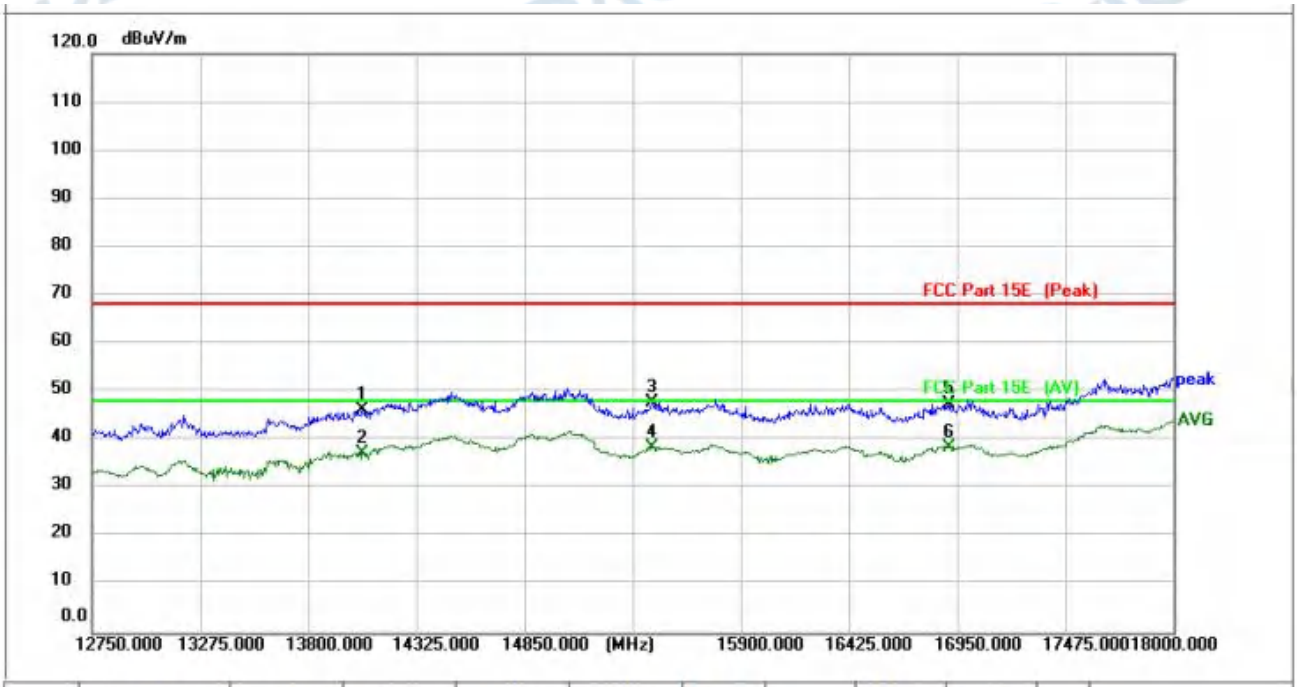
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	13600.500	38.52	8.60	47.12	68.20	-21.08	peak			P	
2	13600.500	29.39	8.60	37.99	48.20	-10.21	AVG			P	
3	15107.250	41.42	8.78	50.20	68.20	-18.00	peak			P	
4	15107.250	31.86	8.78	40.64	48.20	-7.56	AVG			P	
5	16850.250	38.97	12.21	51.18	68.20	-17.02	peak			P	
6 *	16850.250	29.66	12.21	41.87	48.20	-6.33	AVG			P	

TM1 / Polarization: Vertical / Noise Floor



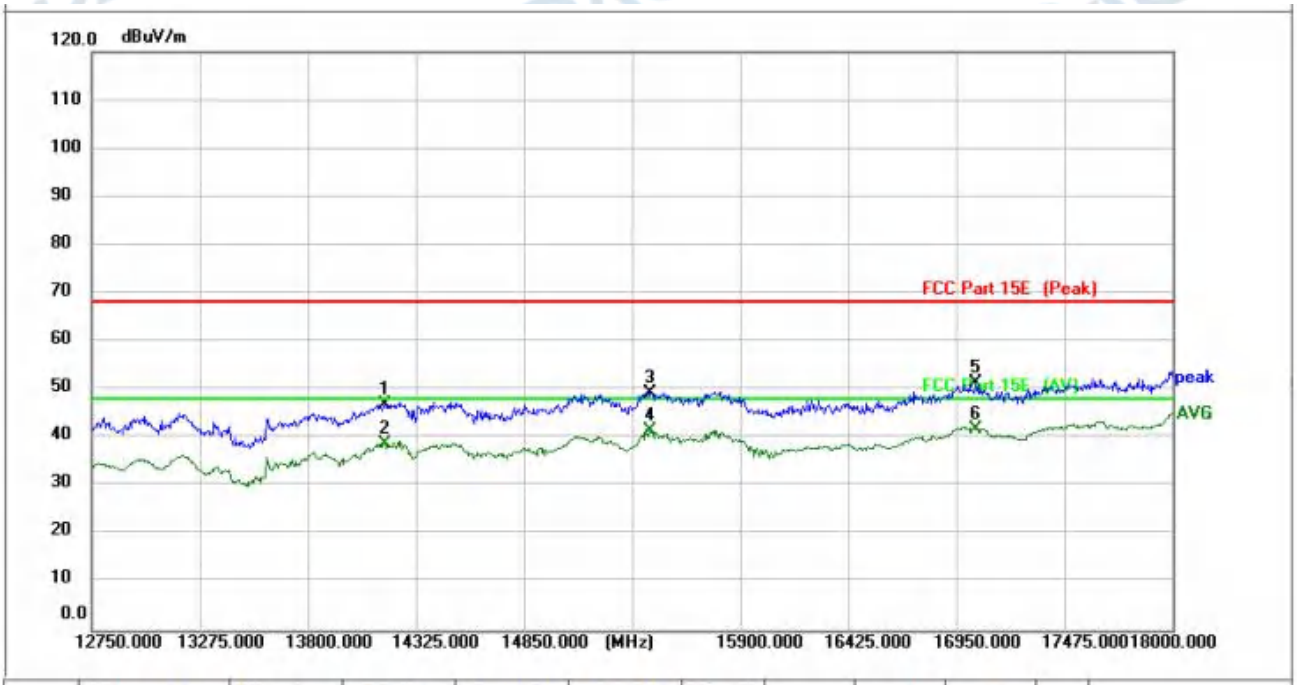
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	13626.750	39.42	8.59	48.01	68.20	-20.19	peak			P	
2	13626.750	29.78	8.59	38.37	48.20	-9.83	AVG			P	
3	15096.750	43.12	8.78	51.90	68.20	-16.30	peak			P	
4 *	15096.750	34.48	8.78	43.26	48.20	-4.94	AVG			P	
5	16923.750	38.56	12.56	51.12	68.20	-17.08	peak			P	
6	16923.750	28.90	12.56	41.46	48.20	-6.74	AVG			P	

TM1 / Polarization: Horizontal / Noise Floor



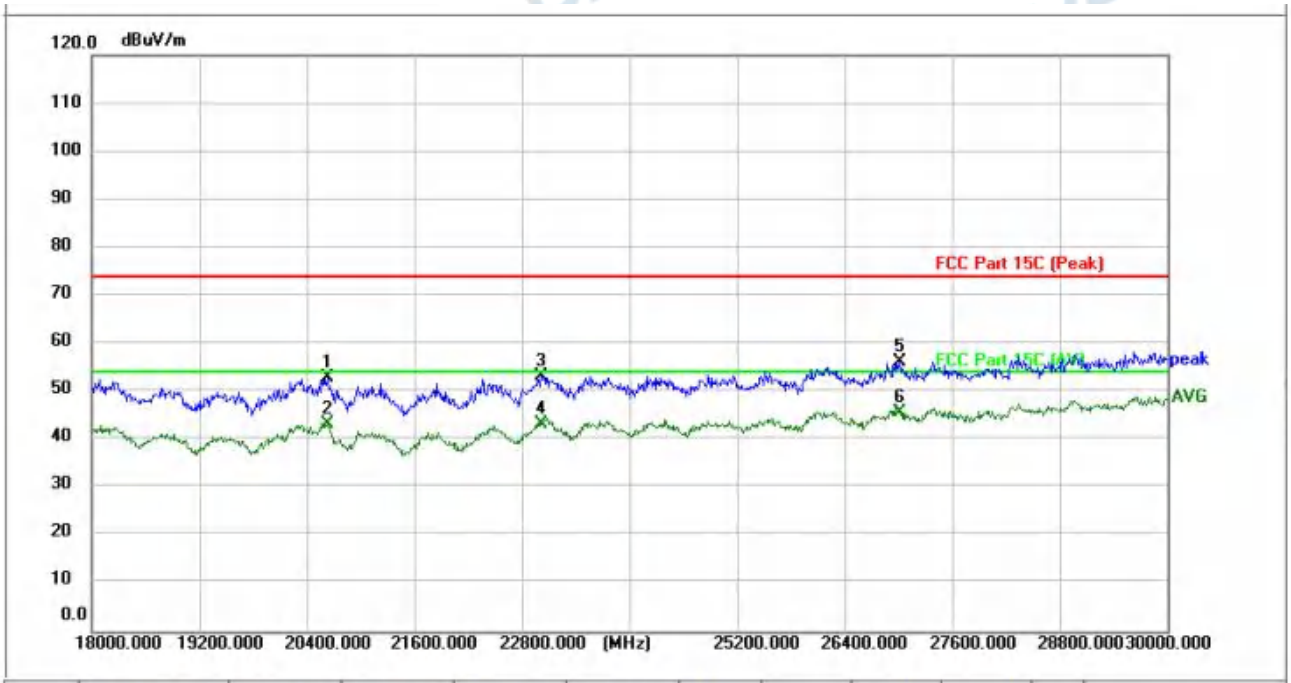
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	14062.500	37.69	8.57	46.26	68.20	-21.94	peak			P	
2	14062.500	28.87	8.57	37.44	48.20	-10.76	AVG			P	
3	15469.500	38.85	9.07	47.92	68.20	-20.28	peak			P	
4	15469.500	29.52	9.07	38.59	48.20	-9.61	AVG			P	
5	16913.250	34.93	12.51	47.44	68.20	-20.76	peak			P	
6 *	16913.250	26.12	12.51	38.63	48.20	-9.57	AVG			P	

TM1 / Polarization: Vertical / Noise Floor



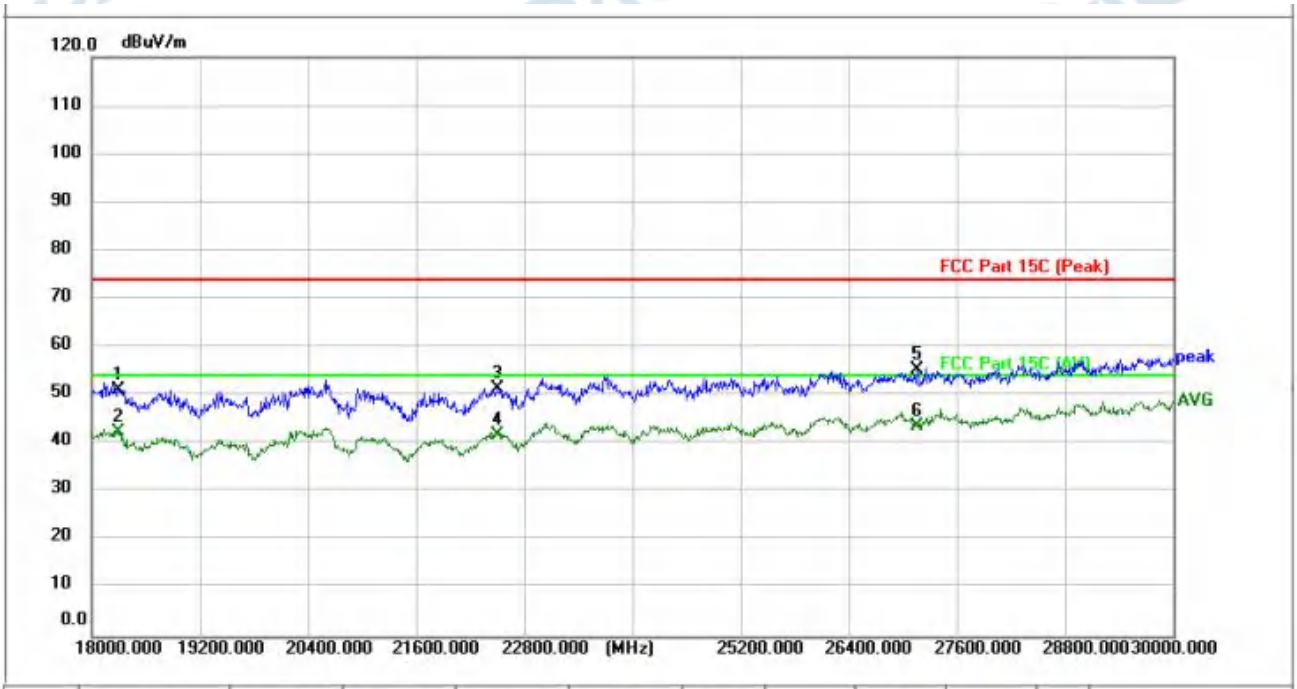
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	14172.750	38.50	8.58	47.08	68.20	-21.12	peak			P	
2	14172.750	30.26	8.58	38.84	48.20	-9.36	AVG			P	
3	15459.000	40.30	9.08	49.38	68.20	-18.82	peak			P	
4	15459.000	32.37	9.08	41.45	48.20	-6.75	AVG			P	
5	17044.500	38.32	13.11	51.43	68.20	-16.77	peak			P	
6 *	17044.500	28.86	13.11	41.97	48.20	-6.23	AVG			P	

TM1 / Polarization: Horizontal / Noise Floor



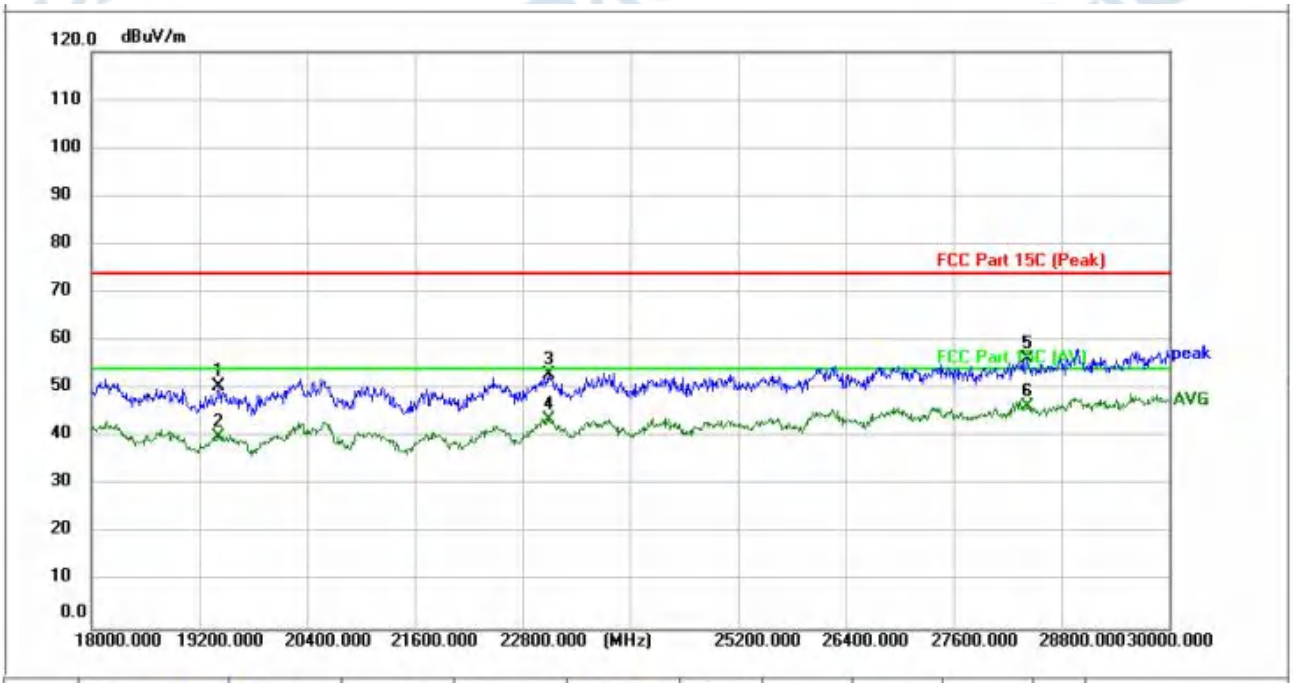
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	20628.000	48.60	4.47	53.07	74.00	-20.93	peak	149		P	
2	20628.000	38.74	4.47	43.21	54.00	-10.79	AVG	149		P	
3	23016.000	47.59	5.79	53.38	74.00	-20.62	peak	149		P	
4	23016.000	37.52	5.79	43.31	54.00	-10.69	AVG	149		P	
5	27012.000	48.11	8.28	56.39	74.00	-17.61	peak	149		P	
6 *	27012.000	37.33	8.28	45.61	54.00	-8.39	AVG	149		P	

TM1 / Polarization: Vertical / Noise Floor



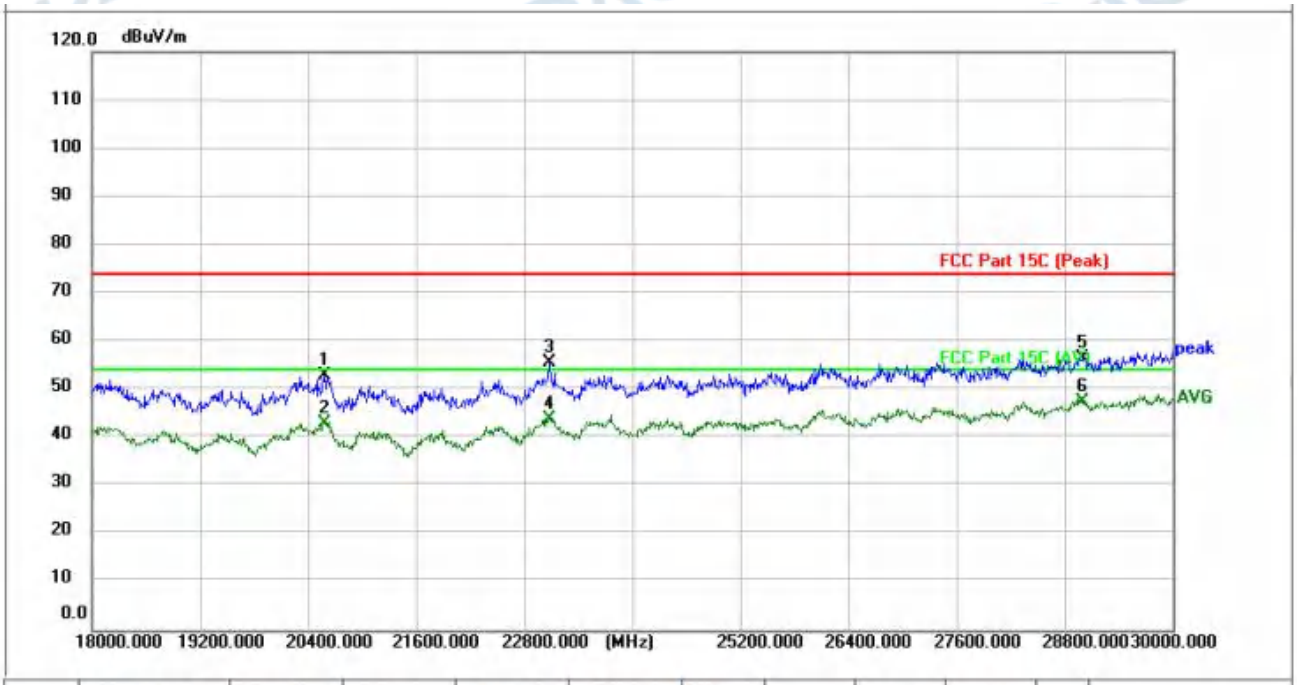
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	18300.000	45.17	6.07	51.24	74.00	-22.76	peak	149		P	
2	18300.000	36.35	6.07	42.42	54.00	-11.58	AVG	149		P	
3	22500.000	46.76	4.81	51.57	74.00	-22.43	peak	149		P	
4	22500.000	37.05	4.81	41.86	54.00	-12.14	AVG	149		P	
5	27156.000	46.82	8.38	55.20	74.00	-18.80	peak	149		P	
6 *	27156.000	35.39	8.38	43.77	54.00	-10.23	AVG	149		P	

TM1 / Polarization: Horizontal / Noise Floor



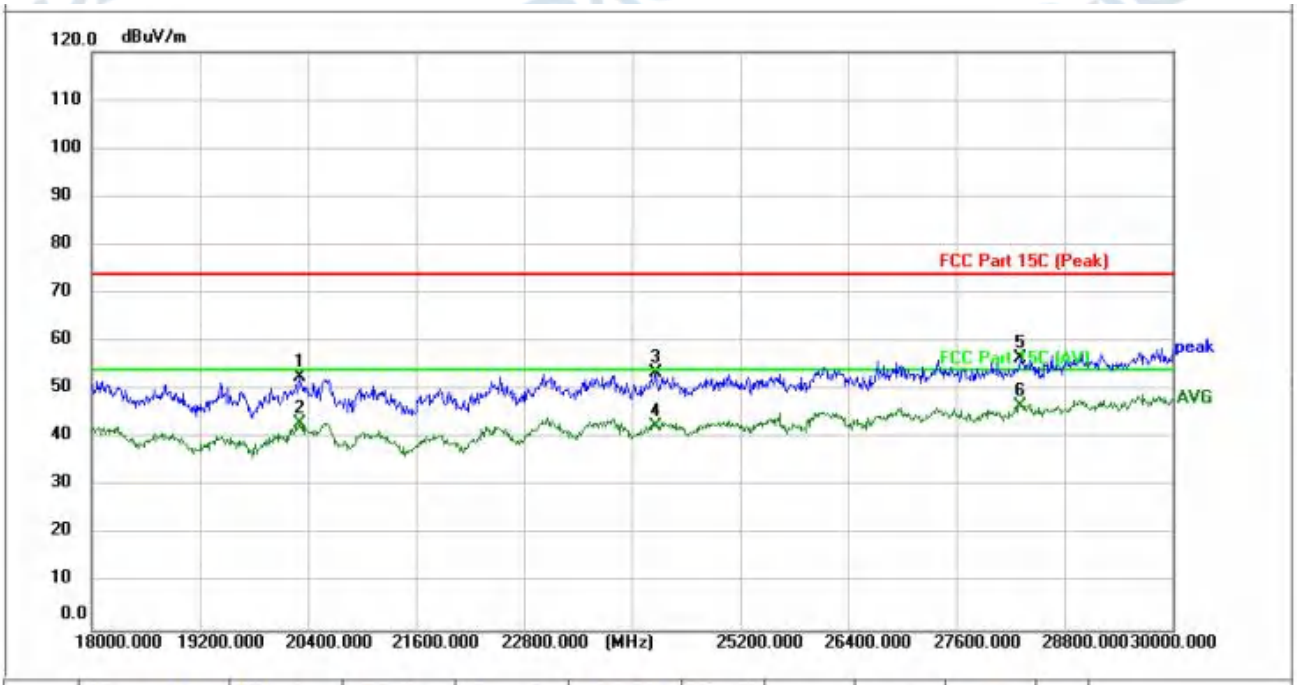
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	19416.000	45.61	4.89	50.50	74.00	-23.50	peak	149		P	
2	19416.000	35.13	4.89	40.02	54.00	-13.98	AVG	149		P	
3	23088.000	47.06	5.77	52.83	74.00	-21.17	peak	149		P	
4	23088.000	37.79	5.77	43.56	54.00	-10.44	AVG	149		P	
5	28428.000	46.74	9.45	56.19	74.00	-17.81	peak	149		P	
6 *	28428.000	36.96	9.45	46.41	54.00	-7.59	AVG	149		P	

TM1 / Polarization: Vertical / Noise Floor



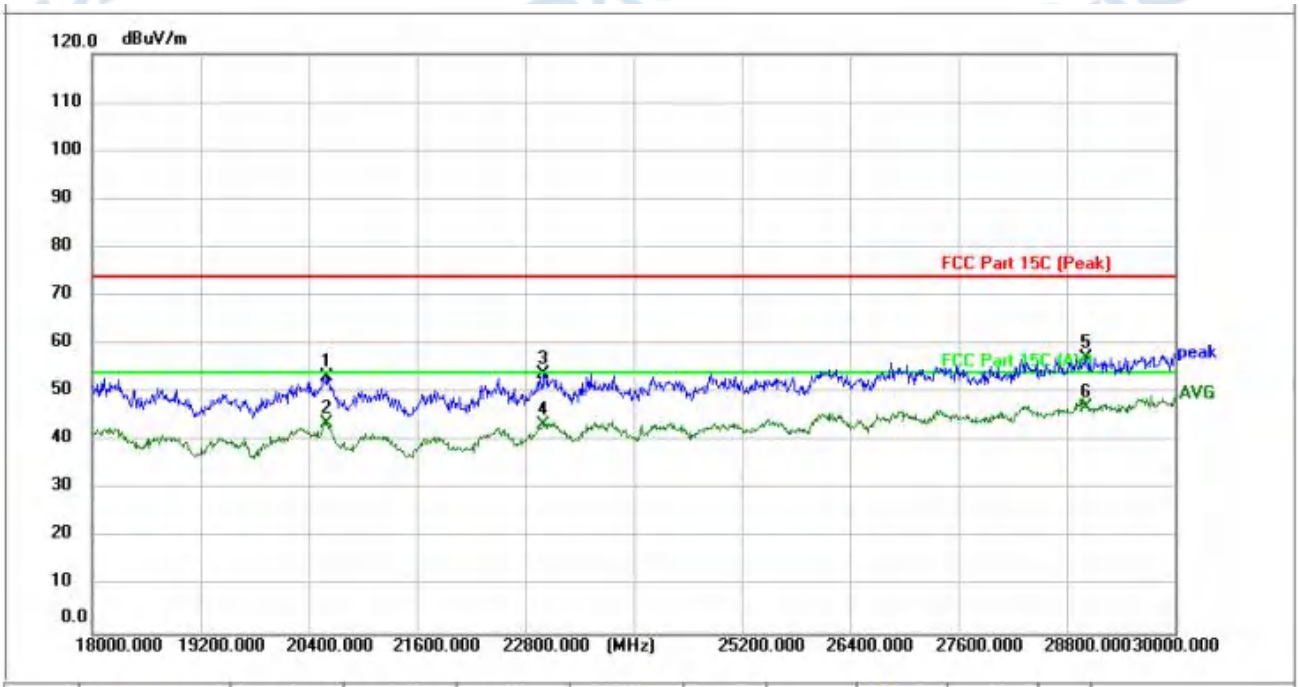
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	20580.000	48.39	4.48	52.87	74.00	-21.13	peak	149		P	
2	20580.000	38.67	4.48	43.15	54.00	-10.85	AVG	149		P	
3	23076.000	49.76	5.78	55.54	74.00	-18.46	peak	149		P	
4	23076.000	38.28	5.78	44.06	54.00	-9.94	AVG	149		P	
5	28992.000	46.55	10.12	56.67	74.00	-17.33	peak	149		P	
6 *	28992.000	37.52	10.12	47.64	54.00	-6.36	AVG	149		P	

TM1 / Polarization: Horizontal / Noise Floor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	20304.000	48.02	4.51	52.53	74.00	-21.47	peak	149		P	
2	20304.000	38.54	4.51	43.05	54.00	-10.95	AVG	149		P	
3	24264.000	48.19	5.37	53.56	74.00	-20.44	peak	149		P	
4	24264.000	37.03	5.37	42.40	54.00	-11.60	AVG	149		P	
5	28308.000	47.35	9.31	56.66	74.00	-17.34	peak	149		P	
6 *	28308.000	37.45	9.31	46.76	54.00	-7.24	AVG	149		P	

TM1 / Polarization: Vertical / Noise Floor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	20604.000	48.68	4.48	53.16	74.00	-20.84	peak	149		P	
2	20604.000	39.04	4.48	43.52	54.00	-10.48	AVG	149		P	
3	23004.000	48.08	5.80	53.88	74.00	-20.12	peak	149		P	
4	23004.000	37.68	5.80	43.48	54.00	-10.52	AVG	149		P	
5	29016.000	47.07	10.12	57.19	74.00	-16.81	peak	149		P	
6 *	29016.000	36.94	10.12	47.06	54.00	-6.94	AVG	149		P	

Remark: Margin=Level - Limit, Level=Test receiver reading + correction factor

The EUT was tested in the low, high channel and the worst case position data was reported, and the test results show that a-mode data is the worst, only a-mode test chart is put. Test Mode: 802.11a20 low channel (the worst).

Testing is carried out with frequency rang 9kHz to the tenth harmonics, other than listed in the table above are attenuated more than 6dB below the permissible limits or the field strength is too small to be measured.t

5 TEST SETUP PHOTOS

Refer to Appendix - Test Setup Photos

6 PHOTOS OF THE EUT

Refer to Appendix - EUT Photos

Appendix