

TEST REPORT

On behalf of

Savant Technologies LLC, dba GE Lighting, a Savant company

Product Name: Dual sockets indoor plug

Model No.: CPLGID2BLW1MS

FCC ID: PUU-CPLGID2BLW1

Prepared For: Savant Technologies LLC, dba GE Lighting, a Savant company
1975 Noble Road Cleveland, Ohio United States 44112

Prepared By: Audix Technology (Shanghai) Co., Ltd.
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File No. : C1D2605003
Report No. : ACI-F26127
Date of Test : 2026.05.27-07.16
Date of Report : 2026.07.22

The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

TABLE OF CONTENTS

	Page
1 SUMMARY OF STANDARDS AND RESULTS	5
1.1 Description of Standards and Results.....	5
2 GENERAL INFORMATION.....	6
2.1 Description of Equipment Under Test.....	6
2.2 EUT Specifications Assessed in Current Report.....	7
2.3 Test Information	7
2.4 Duty Cycle Check	8
2.5 Sample Description	9
2.6 Supported equipment.....	9
2.7 Description of Test Facility	9
3 CONDUCTED EMISSION TEST	10
3.1 Test Equipment.....	10
3.2 Block Diagram of Test Setup	10
3.3 Conducted Emission Limits (§15.207).....	11
3.4 Test Configuration.....	11
3.5 Operating Condition of EUT	11
3.6 Test Procedures	11
3.7 Test Results	12
4 RADIATED EMISSION TEST.....	15
4.1 Test Equipment.....	15
4.2 Block Diagram of Test Setup	15
4.3 Radiated Emission Limit (§15.209)	17
4.4 Test Configuration.....	18
4.5 Operating Condition of EUT	18
4.6 Test Procedures	18
4.7 Test Results	19
5 99% OCCUPIED BANDWIDTH MEASUREMENT	73
5.1 Test Equipment.....	73
5.2 Block Diagram of Test Setup	73
5.3 Operating Condition of EUT	73
5.4 Test Procedure.....	73
5.5 Test Results	74
6 6 DB BANDWIDTH MEASUREMENT	78
6.1 Test Equipment.....	78
6.2 Block Diagram of Test Setup	78
6.3 Specification Limits (§15.247(a)(2)).....	78
6.4 Operating Condition of EUT	78
6.5 Test Procedure.....	78
6.6 Test Results	79
7 MAXIMUM OUTPUT POWER MEASUREMENT.....	83
7.1 Test Equipment.....	83
7.2 Block Diagram of Test Setup	83
7.3 Specification Limits ((§15.247(b)(3))	83
7.4 Operating Condition of EUT	83
7.5 Test Procedure.....	83
7.6 Test Results	84

8	EMISSION LIMITATIONS MEASUREMENT	88
8.1	Test Equipment	88
8.2	Block Diagram of Test Setup	88
8.3	Specification Limits (§15.247(d))	88
8.4	Operating Condition of EUT	88
8.5	Test Procedure	88
8.6	Test Results	90
9	POWER SPECTRAL DENSITY MEASUREMENT	100
9.1	Test Equipment	100
9.2	Block Diagram of Test Setup	100
9.3	Specification Limits (§15.247(e))	100
9.4	Operating Condition of EUT	100
9.5	Test Procedure	100
9.6	Test Results	101
10	ANTENNA REQUIREMENT	105
10.1	Specification Limits (§15.203)	105
10.2	Result	105
11	MEASUREMENT UNCERTAINTY LIST	106
APPENDIX I PHOTOGRAPHS OF TEST		TOTAL 5 PAGES
APPENDIX II PHOTOGRAPHS OF EUT		TOTAL 12 PAGES

TEST REPORT

Applicant : Savant Technologies LLC, dba GE Lighting, a Savant company
EUT Description : Dual sockets indoor plug
(A) Model No. : Refer to Sec.2.1
(B) Power Supply : 120V AC 60Hz
(C) Test Voltage : 120V/60Hz, DC 3.3V from test fixture

Test Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits.

The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. This report also shows that the EUT (M/N: Refer to Sec2.1), which was tested is technically compliance with the FCC limits.

This report applies to above tested Sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

The test results for EUT's BLE function are contained in No.ACI-F26126 report.

Date of Test : 2026.05.27-07.16 Date of Report : 2026.07.22

Producer :

Huimin Yan

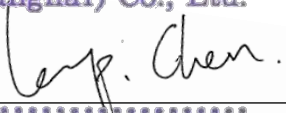
HUIMIN YAN / Assistant

Review :

Jarey Lu

 For and on behalf of
Audix Technology (Shanghai) Co., Ltd.

Signatory :


Authorized Signature(s) KAMP CHEN / Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

The result is determined according to the decision rules of customer selection in the ASC-403 application service form.

1. According to IEC GUIDE 115 Procedure 2 and ILAC-G8, the uncertainties value is not used in determining the PASS/FAIL results.

2. If the required specification or standard already contains the decision rules, it will be carried out in accordance with the regulations or standard documents or the requirements of the competent units. If the required specification or standard does not contain a decision rule, the same paragraph 1.

3. If your company has a required decision rule, it will be implemented in accordance with the requirements and ISO/IEC Guide 98-4 specifications.

The EUT have been tested according to the applicable standards as referenced below:

Description / Test Item	Test Standard	Results	Meets Limit
EMISSION			
Conducted Emission	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.207
Radiated Emission	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.209(a) 15.205(a)(c)
6 dB Bandwidth Measurement	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.247(a)(2)
Maximum Output Power Measurement	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.247(b)(3)
Emission Limitations Measurement	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.247(d)
Band Edge Measurement	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.247(d)
Power Spectral Density Measurement	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.247(e)
Antenna Requirement	FCC RULES AND REGULATIONS PART 15 SUBPART C AND ANSI C63.10:2020	Pass	15.203
N/A is an abbreviation for Not Applicable.			

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : Dual sockets indoor plug

Type of EUT : ☒ Production ☐ Pre-product ☐ Pro-type

Model Number : CPLGID2BLW1MS

Radio Tech : BLE 4.2;
IEEE 802.11 b/g/n.

Channel Freq. : BLE: 2402MHz-2480MHz;
802.11b/g/n20: 2412MHz-2462MHz.

Modulation : BLE: GFSK;
802.11b: DSSS (CCK, DQPSK, DBPSK);
802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK).

Antenna Info. : Transmit Type: 1T1X.
The EUT shipped one of antennas which list as below:

Antenna No.	#1	#2
Antenna Model	WA-F-LA-03-313	JHCHHR2605-168-A
Connector Type	IPEX	IPEX
Antenna Type	PIFA	PIFA
Frequency range	2.4GHz	2.4GHz
Antenna Gain	4.74dBi	3.34dBi

Note#1 : The Antenna information was provided by the customer.
We selected Antenna#1 to do the full test, and antenna#2 do the additional test for spurious emissions in this report.

Applicant : Savant Technologies LLC, dba GE Lighting, a Savant company
1975 Noble Road Cleveland, Ohio United States 44112

Manufacturer : same as Applicant

Factory#1 : Sichuan Hongrui Electric Co., ltd
Building #201, Comprehensive Bonded Zone, feiyun
road, East No.261, High-TechPark, Mianyang

Factory#2 : VIETNAM CHANGHONG ELECTRIC COMPANY
LIMITED
Workshop W4 (leased by WWWHP), Land plot 4.2B,
Dinh Vu Industrial Zone, Dong Hai 2 Ward, Hai An
District, Haiphong City, VN.

2.2 EUT Specifications Assessed in Current Report

Mode	Modulation	Data Rate(Mbps)
802.11b	DSSS (DQPSK, DBPSK, CCK)	Up to 11
802.11g	OFDM (64-QAM, 16-QAM, QPSK, BPSK)	Up to 54
802.11n-HT 20	OFDM (64-QAM, 16-QAM, QPSK, BPSK)	Up to 72.2

Channel List			
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437		

2.3 Test Information

The test software “UI_mptool.exe” was used to control EUT work in TX mode, Power Index and select test channel.

Mode	data rate (Mbps)	Power Level Index Setting	Test Channel		Frequency (MHz)
802.11b	11	auto(91) *	Low:	1	2412
		auto(90) *	Middle:	6	2437
		auto(90) *	High:	11	2462
802.11g	6	auto(92) *	Low:	1	2412
		auto(103) *	Middle:	6	2437
		auto(86) *	High:	11	2462
802.11n20	MCS0	auto(88) *	Low:	1	2412
		auto(99) *	Middle:	6	2437
		auto(86) *	High:	11	2462

Note: The setting information was provided by the customer.

*: The “Pwridx by Rate and Limit” function in test software “UI_mptool.exe” was selected during the test.

2.4 Duty Cycle Check

Mode	Transmission Duration (ms)	Transmission Period (ms)	D (Duty Cycle) (%)	Correct Factor [10log(1/D)]
802.11b	12.42	12.56	98.89	0.05
802.11g	2.063	2.194	94.03	0.27
802.11n20	1.921	2.05	93.71	0.28



2.5 Sample Description

Test Item	Model Number	Sample Number	Date of received
Conducted Emission	CPLGID2BLW1MS	E20260507-01-02/04	2026.05.07
Radiated Emission	CPLGID2BLW1MS	E20260507-01-02/04	2026.05.07
Conducted RF Test	CPLGID2BLW1MS	E20260507-01-01/04	2026.05.07

2.6 Supported equipment

Brand : Acer
Product Name: : Notebook PC
Model Name : TravelMate P238 series
Model Number : N15W8

Product Name : Test Fixture
Product Function : USB to TTL

2.7 Description of Test Facility

Name of Firm : Audix Technology (Shanghai) Co., Ltd.
Site Location : 3F, Building 34, No. 680 Guiping Rd.,
Caohejing, Hi-Tech Park,
Shanghai 200233, China
Accredited by NVLAP, Lab Code : 200371-0
FCC Designation Number : CN5027
Test Firm Registration Number : 954668

3 CONDUCTED EMISSION TEST

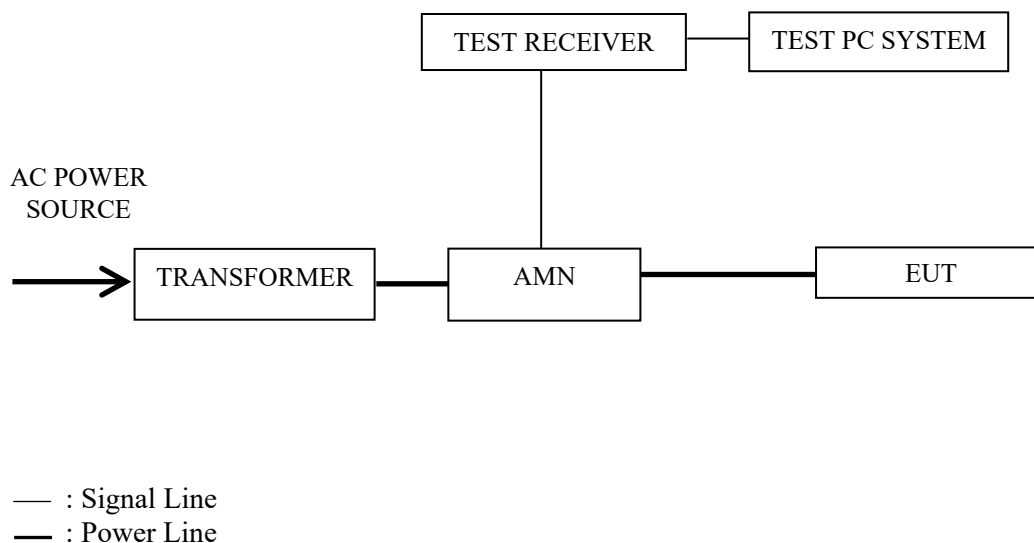
3.1 Test Equipment

The following test equipments are used during the conducted emission test in a shielded room:

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Test Receiver	R&S	ESCI	101302	2026.02.24	1 Year
2.	Artificial Mains Network (AMN)	R&S	ESH2-Z5	843890/011	2026.02.24	1 Year
3.	Fixed Attenuator	SHYL	TTS-1	001	2026.02.24	1 Year
4.	50Ω Coaxial Switch	Anritsu	MP59B	6200655085	2026.02.24	1 Year
5.	Coaxial Cable	Audix	CE Cable	CE-SH1-001	2026.02.24	1 Year
6.	Software	Audix	e3	e3.v9.210616	--	--

3.2 Block Diagram of Test Setup

3.2.1 Conducted Disturbance Test Setup



3.3 Conducted Emission Limits (§15.207)

Frequency Range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0.15 ~ 0.5	66~56	56~46
0.5 ~ 5	56	46
5 ~ 30	60	50
NOTE 1 – The lower limit shall apply at the transition frequencies. NOTE 2 – The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz~0.50 MHz		

3.4 Test Configuration

The EUT (listed in Sec.2.1) was installed as shown on Sec.3.2 to meet FCC requirement and operating in a manner which tends to maximize its emission level in a normal application.

3.5 Operating Condition of EUT

3.5.1 Setup the EUT as shown in Sec. 3.2.

3.5.2 Turn on the power of all equipment.

3.5.3 Turn the EUT on the test mode, and then test.

3.6 Test Procedures

The EUT was placed upon a non-metallic table, which is 0.8 m above the horizontal conducting ground plane and 0.4 m from a vertical reference plane. The EUT was connected to the power mains through an Artificial Mains Network (AMN) to provide a 50 Ω coupling impedance for the measuring equipment. Both sides of AC line (Line & Neutral) were checked to find out the maximum conducted emission according to FCC Part 15 Subpart C and ANSI C63.10:2020 requirements during conducted disturbance test.

The I.F. bandwidth of Test Receiver ESCI was set at 9 kHz.

The frequency range from 150 kHz to 30 MHz was checked.

Test with a dummy load in lieu of the antenna to determine compliance with Section 15.207 limits within the transmitter's fundamental emission band. (According to KDB 174176 D01 Line Conducted FAQ)

The test modes were done on conducted disturbance test and all the test results are listed in Sec. 3.7

3.7 Test Results

< **PASS** >

The frequency and amplitude of the highest conducted emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

Worst case emission:

No.	Operation	Mode	Channel	Frequency (MHz)	Data Page
1.	Transmitting	802.11b	1	2412	P13-14

NOTE 1 –Emission Level (dB μ V/m) = Read Level (dB μ V) + AMN Factor (dB) + Aux Factor (dB) + Cable Loss (dB)

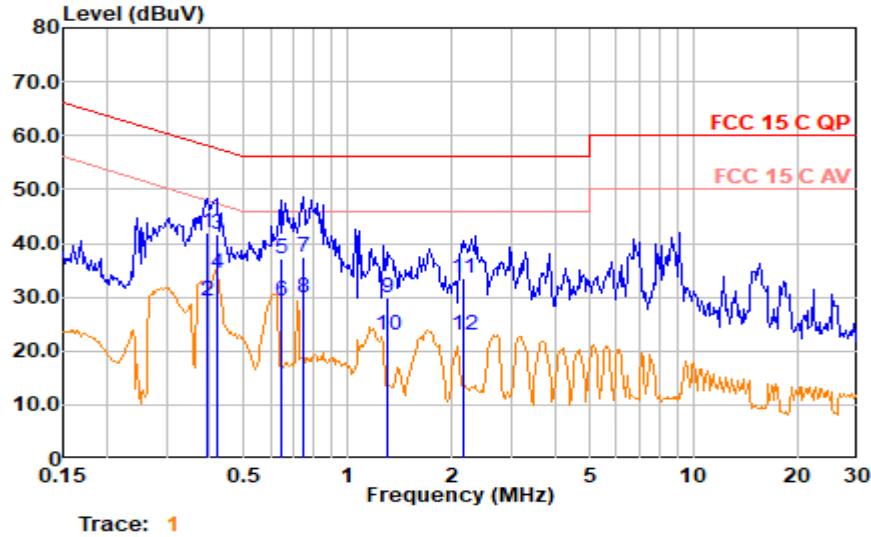
Margin (dB) = Limits (dB μ V) - Emission Level (dB μ V)

NOTE 2 – “QP” means “Quasi-Peak” values

NOTE 3 – The emission levels which not reported are too low against the official limit.

Worst case emission

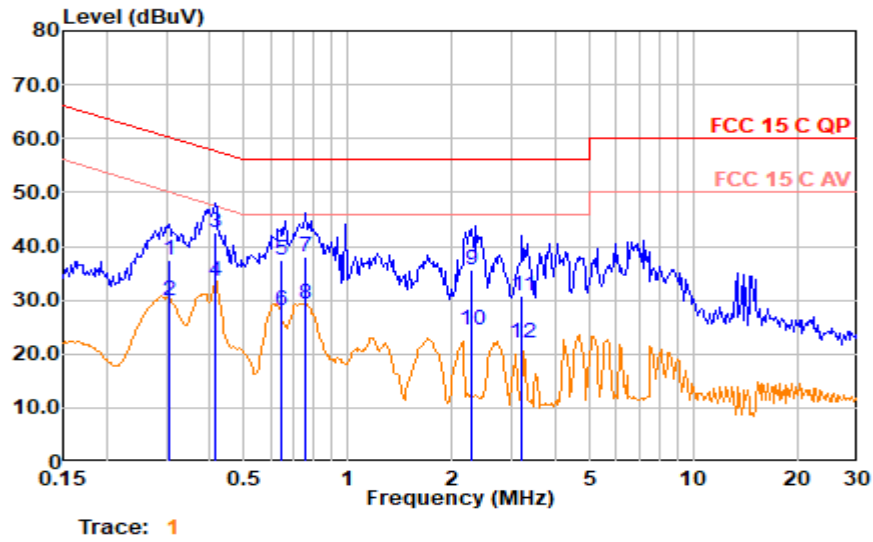
Test Date:	2026.06.11	Temp./Hum.:	22°C/51%RH	Test By:	Jarey
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Mode: IEEE 802.11b CH2412MHz

Polarization at Line

Frequency (MHz)	Meter Reading dB (μV)	AMN Factor (dB)	Aux Factor (dB)	Cable Loss (dB)	Emission Level dB (μV)	Limits dB (μV)	Margin (dB)	Remark
0.393	32.24	0.10	9.50	0.12	41.96	57.99	16.03	QP
0.393	19.67	0.10	9.50	0.12	29.39	47.99	18.61	Average
0.422	31.88	0.12	9.50	0.12	41.63	57.41	15.79	QP
0.422	24.75	0.12	9.50	0.12	34.50	47.41	12.92	Average
0.640	27.22	0.20	9.50	0.14	37.06	56.00	18.94	QP
0.640	19.51	0.20	9.50	0.14	29.35	46.00	16.65	Average
0.743	27.68	0.20	9.50	0.15	37.53	56.00	18.47	QP
0.743	20.03	0.20	9.50	0.15	29.88	46.00	16.12	Average
1.310	20.07	0.20	9.50	0.17	29.94	56.00	26.06	QP
1.310	12.96	0.20	9.50	0.17	22.83	46.00	23.17	Average
2.153	23.66	0.23	9.50	0.17	33.56	56.00	22.44	QP
2.153	13.04	0.23	9.50	0.17	22.94	46.00	23.06	Average

Mode: IEEE 802.11b CH2412MHz



Polarization at Neutral

Frequency (MHz)	Meter Reading dB (μV)	AMN Factor (dB)	Aux Factor (dB)	Cable Loss (dB)	Emission Level dB (μV)	Limits dB (μV)	Margin (dB)	Remark
0.304	27.68	0.10	9.50	0.12	37.40	60.14	22.74	QP
0.304	20.19	0.10	9.50	0.12	29.91	50.14	20.23	Average
0.413	32.82	0.10	9.50	0.12	42.54	57.58	15.04	QP
0.413	23.66	0.10	9.50	0.12	33.38	47.58	14.20	Average
0.640	27.49	0.16	9.50	0.14	37.28	56.00	18.72	QP
0.640	18.28	0.16	9.50	0.14	28.07	46.00	17.93	Average
0.758	28.18	0.16	9.50	0.15	37.99	56.00	18.01	QP
0.758	19.33	0.16	9.50	0.15	29.14	46.00	16.86	Average
2.286	25.84	0.20	9.50	0.17	35.71	56.00	20.29	QP
2.286	14.46	0.20	9.50	0.17	24.33	46.00	21.67	Average
3.205	20.80	0.22	9.50	0.18	30.70	56.00	25.30	QP
3.205	12.08	0.22	9.50	0.18	21.98	46.00	24.02	Average

4 RADIATED EMISSION TEST

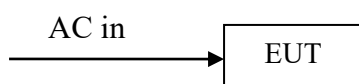
4.1 Test Equipment

The following test equipment are used during the radiated emission test in a semi-anechoic chamber:

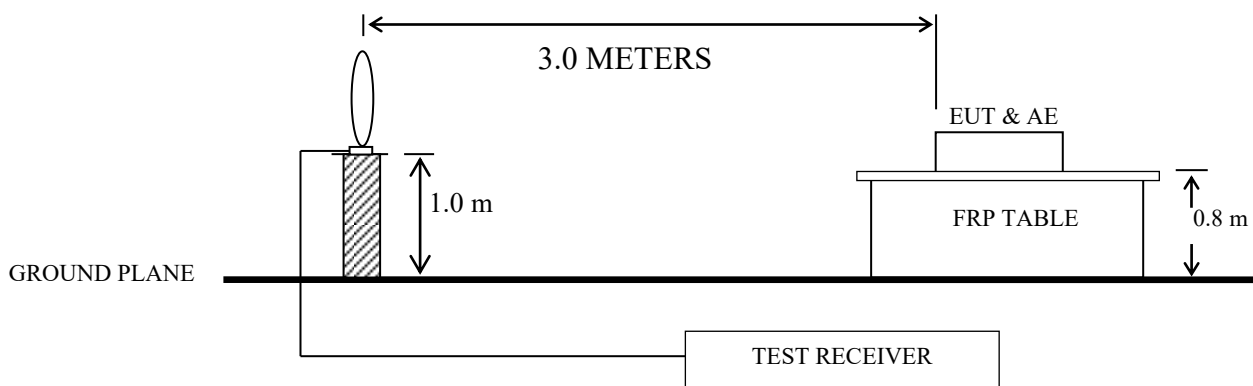
Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Preamplifier	Agilent	8447D	2944A10548	2026.02.24	1 Year
2.	Preamplifier	HP	8449B	3008A00864	2026.02.24	1 Year
3.	EXA Signal Analyzer	Agilent	N9010A	MY52221182	2025.08.09	1 Year
4.	Test Receiver	R&S	ESCI	101303	2026.02.24	1 Year
5.	Loop Antenna	Schaffner	HLA6120	1193	2025.08.04	1 Year
6.	Bilog Antenna+ 6dB Attenuator	Schwarzbeck	VULB 9168+ EMCI-N-6-06	707+AT-N0637	2025.08.06	1 Year
7.	Horn Antenna	EMCO	3115	96074878	2025.07.25	1 Year
8.	Horn Antenna	EMCO	3116	00062643	2026.02.24	2 Year
9.	RE Cable-1m+ Coaxial Switch	HARBOUR+ ANRITSU	RE Cable-1m+ MP59B	RE-1m-00x+ 6200655086	2026.02.24	1 Year
10.	RE Cable-3m+ RE Cable-10m	TIMES+ SCHAFFNER	LMR400-NMNM -3.0M+RG 212U-MIL C 17	20250211-0001 +RE-10m-001	2026.02.24	1 Year
11.	Coaxial Cable(CH.3)	Mini-Circuits	FLC-2FT-SMSM+	21112086	2026.02.24	1 Year
12.	RE Cable-5m	TIMES	SFT205-SMNM -5.0M	20250211-0001	2026.02.24	1 Year
13.	Software	Audix	e3	e3.v9.210616	--	--

4.2 Block Diagram of Test Setup

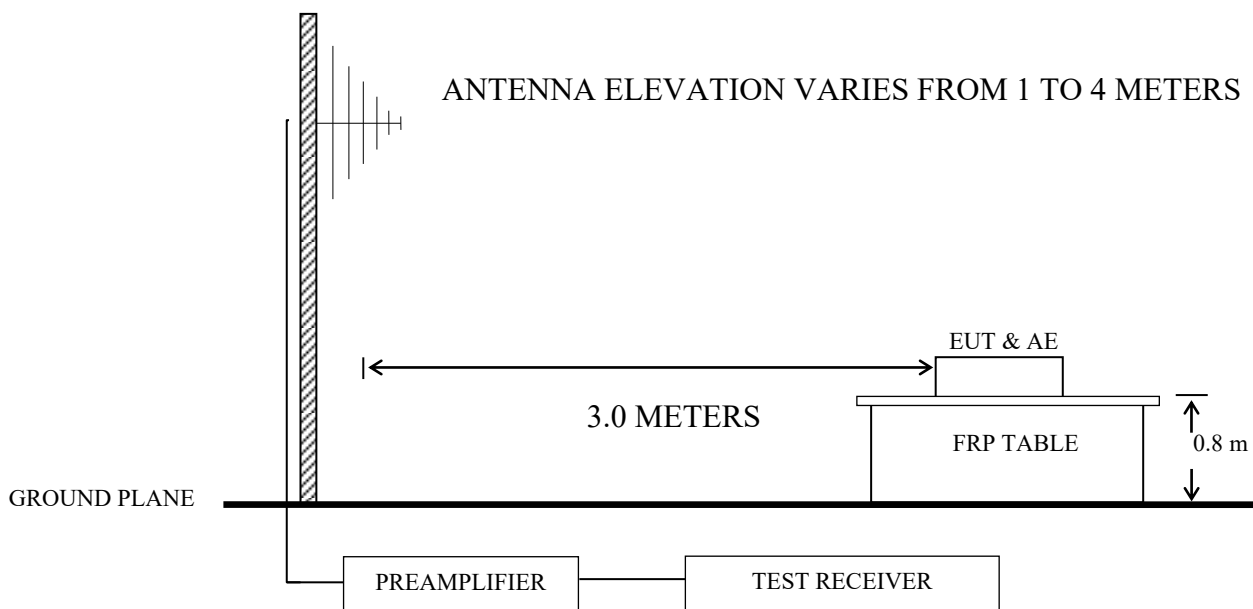
4.2.1 EUT & Peripherals



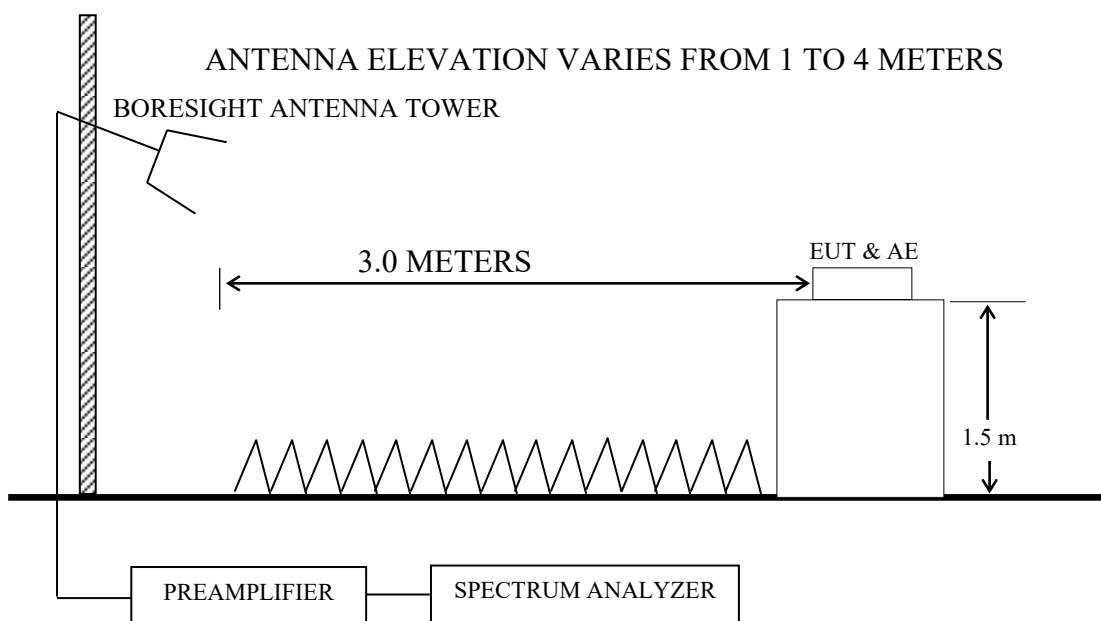
4.2.2 9kHz to 30MHz



4.2.3 30MHz to 1GHz



4.2.4 Above 1GHz



4.3 Radiated Emission Limit (§15.209)

Frequency (MHz)	Distance (m)	Field strength limits (μV/m)	
		(μV/m)	dB (μV/m)
0.009 ~ 0.490	300	2400/F(kHz)	20log(2400/F(kHz))
0.490 ~ 1.705	30	24000/F(kHz)	20log(24000/F(kHz))
1.705 ~ 30	30	30	29.5
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

NOTE 1 - Emission Level dB (μV/m) = 20 log Emission Level (μV/m)

NOTE 2 - The tighter limit applies at the band edges.

NOTE 3 - Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

NOTE 4 - The limits shown are based on Quasi-peak value detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. The limits in these three bands are based on average detector.

NOTE 5 - Above 1 GHz, the limit on peak emission is 20 dB above the maximum permitted average emission limit applicable to the EUT

4.4 Test Configuration

The EUT (listed in Sec.2.1) and the simulators (listed in Sec.2.2) were installed as shown on Sec.4.2 to meet FCC requirements and operating in a manner that tends to maximize its emission level in a normal application.

4.5 Operating Condition of EUT

4.5.1 Setup the EUT as shown in Sec. 4.2.

4.5.2 Turn the EUT on.

4.5.3 Connect the EUT and the TTL terminal of Test Fixture through four HCI cables of EUT, as follows (TX to RXD, RX to TXD, GND to GND). Plug the USB terminal of Test Fixture to the USB port of Notebook PC.

4.5.4 Use the software as section 2.3 to select the test mode, then remove Test Fixture and Notebook PC, then do the test.

4.5.5 Repeat step 4.5.3 and 4.5.4, until the test of all modes finished.

4.6 Test Procedures

Radiated emission test applies to harmonics/spurs that fall in the restricted bands listed in Section 15.205. The maximum permitted average field strength is listed in Section 15.209. A pre-amp is necessary for this measurement. For measurement above 1 GHz, set RBW = 1MHz, VBW = 10 Hz, Sweep: Auto. If the emission is pulsed, modify the unit for continuous operation; use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.

The EUT was placed on a turntable. Below 1 GHz, the table height is 80 cm above the reference ground plane. Above 1 GHz, the table height is 1.5 m. The turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (Calibrated Bilog Antenna) or Horn antenna was used as receiving antenna. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to ANSI C63.10:2020 requirements during radiated emission test.

The resolution bandwidth of Test Receiver R&S ESCI was set at 200 Hz from 9kHz to 150kHz, set 9kHz from 150kHz to 30MHz, and set at 120 kHz from 30MHz to 1000MHz.

The resolution bandwidth of Agilent N9010A was set at 1MHz for above 1GHz.

The frequency range from 9 kHz to 25 GHz (Up to 10th harmonics from fundamental frequency) was checked.

All the test results are listed in Sec.4.7.

4.7 Test Results

<PASS>

The frequency and amplitude of the highest radiated emission relative the limit is reported. All the emissions not reported below are too low against the FCC limit.

Frequency range: below 1GHz (Worst case emission)

No.	Operation	Mode	Channel	Frequency	Antenna	Data Page
1.	Transmitting	802.11b	1	2412 MHz	#1	P21-22
2.			1	2412 MHz	#2	P23-24

Note: The emissions between 9kHz to 30MHz were too low against the limit.

Frequency range: 1GHz to 18GHz (Worst case emission)

No.	Operation	Mode	Channel	Frequency	Antenna	Data Page
1.	Transmitting	802.11b	11	2462 MHz	#1	P25-28
2.		802.11g	1	2412 MHz	#1	P29-32
3.		802.11n20	1	2412 MHz	#1	P33-36
4.		802.11b	11	2462 MHz	#2	P37-40
5.		802.11g	1	2412 MHz	#2	P41-44
6.		802.11n20	1	2412 MHz	#2	P45-48

Frequency range: above 18GHz (Worst case emission)

No.	Operation	Mode	Channel	Frequency	Antenna	Data Page
1.	Transmitting	802.11b	11	2462 MHz	#1	P49-50
2.		802.11g	1	2412 MHz	#1	P51-52
3.		802.11n20	1	2412 MHz	#1	P53-54
4.		802.11b	11	2462 MHz	#2	P55-56
5.		802.11g	1	2412 MHz	#2	P57-58
6.		802.11n20	1	2412 MHz	#2	P59-60

Band-Edge and Restricted bands: (Worst case emission)

No.	Operation	Mode	Channel	Frequency	Antenna	Data Page
1.	Transmitting	802.11b	1	2412 MHz	#1	P61-62
2.			11	2462 MHz	#1	P63-64
3.		802.11g	1	2412 MHz	#1	P65-66
4.			11	2462 MHz	#1	P67-68
5.		802.11n20	1	2412 MHz	#1	P69-70
6.			11	2462 MHz	#1	P71-72

NOTE 1 – Emission Level (dBμV/m) = Read Level (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Preamp Factor (dB)

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m).

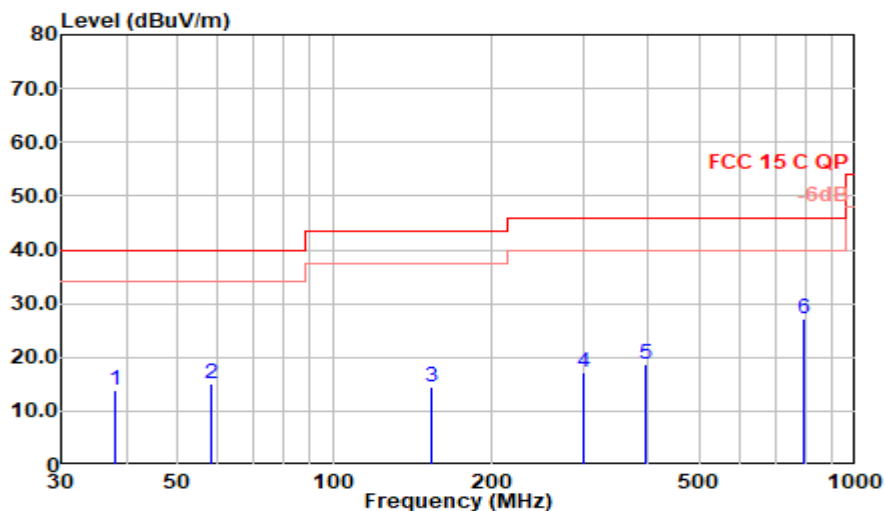
NOTE 2 – “QP” means “Quasi-Peak” values

NOTE 3 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

- NOTE 4 – The emission levels which not reported are too low against the official limit.
- NOTE 5 – The emission levels recorded below is data of EUT configured in Side direction, for this direction was the maximum emission direction during the test. The data of Stand & Lying direction are too low against the official limit to be reported.
- NOTE 6 – All reading are Quasi-Peak values below or equal to 1GHz, Peak and Average values above 1GHz.
For above 1GHz test, if the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.
- NOTE 7 – The frequency range 2310-2390MHz & 2483.5-2500MHz were tested for Restricted bands. And the EUT with antenna#1 and with antenna#2 had done the pre-test, the worst case result (with antenna#1) was record in this report.

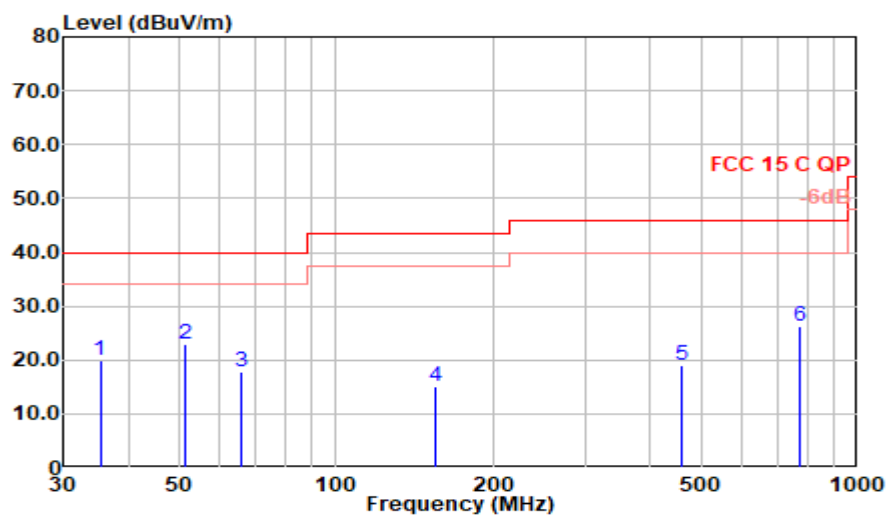
Radiated emission < 1GHz

Test Date:	2026.06.01-11	Temp./Hum.:	22°C/51%RH	Test By:	Jarey
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Mode: 802.11b CH2412MHz**With Antenna#1**

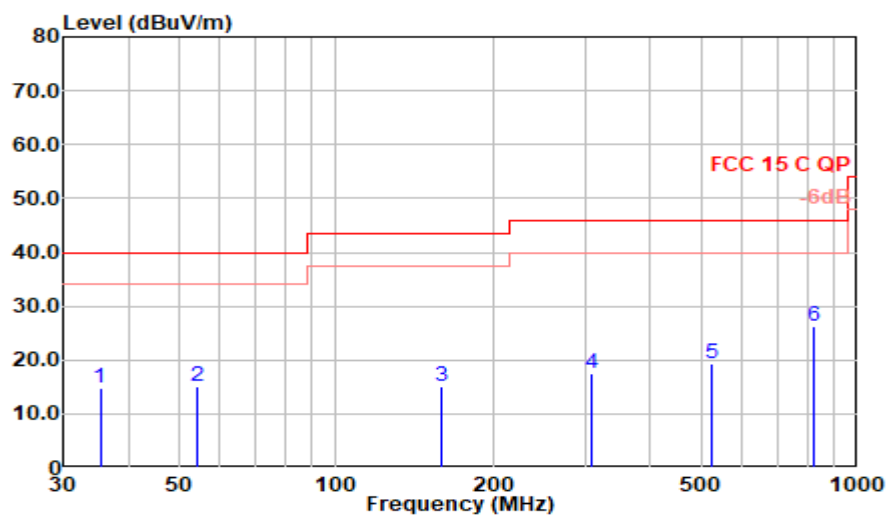
Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
38.245	23.42	19.48	0.59	29.55	13.93	40.00	26.07	QP
58.130	24.19	19.59	0.66	29.47	14.97	40.00	25.03	QP
153.675	22.92	19.50	0.93	29.00	14.34	43.50	29.16	QP
300.145	24.73	19.30	1.41	28.20	17.24	46.00	28.76	QP
394.235	24.40	21.50	1.54	28.79	18.65	46.00	27.35	QP
791.935	24.35	28.30	2.20	27.63	27.23	46.00	18.77	QP

Mode: 802.11b CH2412MHz**With Antenna#1**

Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
35.335	29.47	19.47	0.58	29.57	19.95	40.00	20.05	QP
51.340	32.02	19.77	0.64	29.49	22.93	40.00	17.07	QP
65.890	27.80	18.90	0.68	29.44	17.94	40.00	22.06	QP
154.645	23.81	19.50	0.93	29.00	15.24	43.50	28.26	QP
458.255	23.32	23.20	1.68	29.17	19.03	46.00	26.97	QP
771.080	23.98	28.10	2.16	27.96	26.28	46.00	19.72	QP

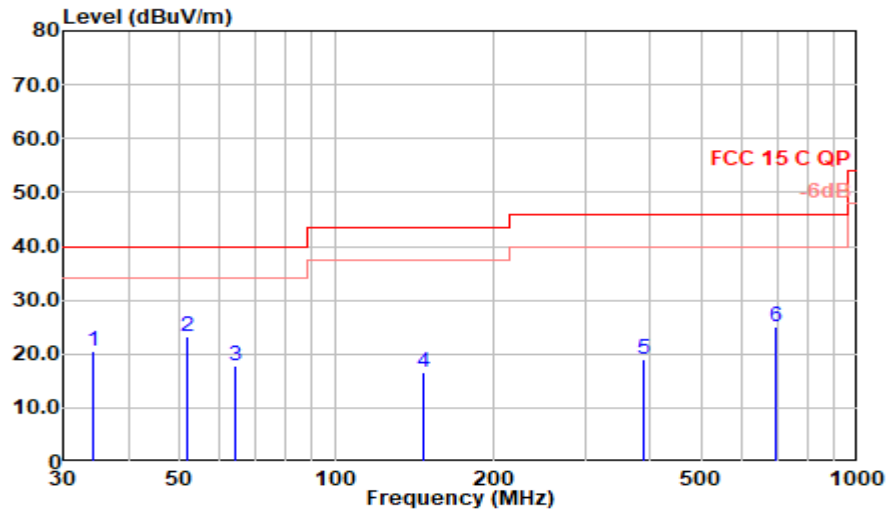
Mode: 802.11b CH2412MHz**With Antenna#2**

Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μ V)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μ V/m)	Limits dB (μ V/m)	Margin (dB)	Remark
35.335	24.30	19.47	0.58	29.57	14.78	40.00	25.22	QP
54.250	24.20	19.73	0.65	29.48	15.09	40.00	24.91	QP
159.495	23.55	19.50	0.94	29.00	14.99	43.50	28.51	QP
307.905	24.87	19.52	1.42	28.28	17.52	46.00	28.48	QP
525.670	22.61	23.91	1.80	29.03	19.30	46.00	26.70	QP
820.550	23.18	28.41	2.25	27.63	26.21	46.00	19.79	QP

Mode: 802.11b CH2412MHz

With Antenna#2

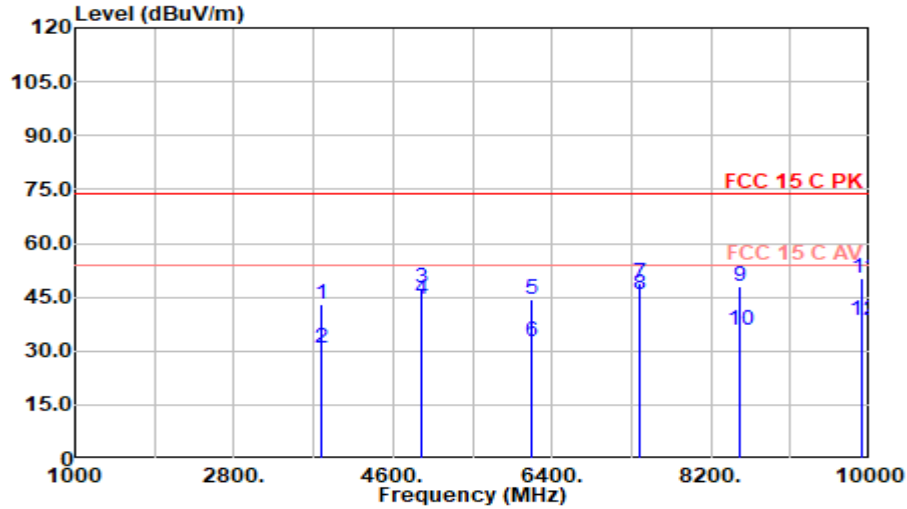


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
34.365	29.92	19.50	0.58	29.57	20.42	40.00	19.58	QP
51.825	32.39	19.72	0.64	29.49	23.26	40.00	16.74	QP
63.950	27.47	19.11	0.68	29.45	17.81	40.00	22.19	QP
147.370	25.32	19.30	0.91	29.03	16.50	43.50	27.00	QP
389.385	24.78	21.49	1.53	28.78	19.02	46.00	26.98	QP
693.965	24.66	26.68	2.01	28.25	25.11	46.00	20.89	QP

Radiated Emission 1GHz to 18GHz

Test Date:	2026.06.01-07.16	Temp./Hum.:	22°C/51%RH	Test By:	Jarey
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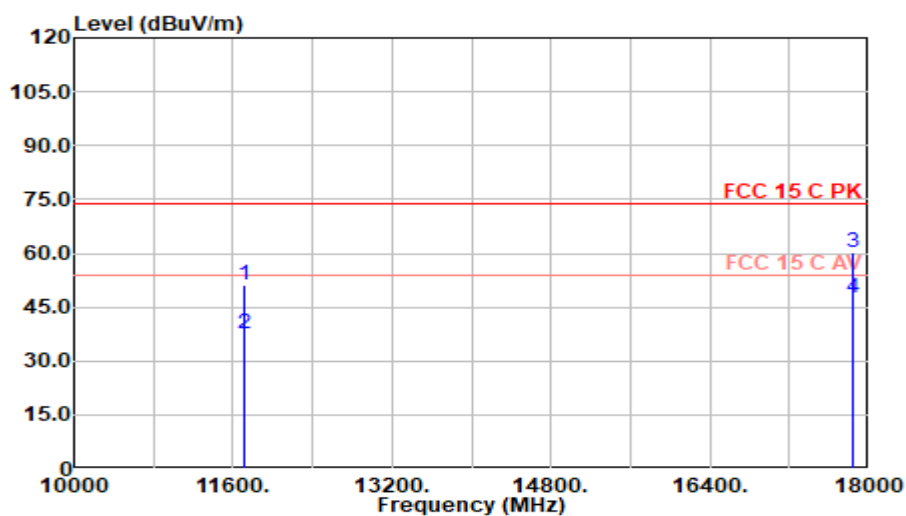
Mode: 11b CH2462MHz**With Antenna1**

Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
3794.375	43.46	31.67	3.73	35.97	42.89	74.00	31.11	Peak
3794.375	31.15	31.67	3.73	35.97	30.57	54.00	23.43	Average
4924.875	47.28	32.25	4.33	36.47	47.39	74.00	26.61	Peak
4924.875	44.43	32.25	4.33	36.47	44.54	54.00	9.46	Average
6159.500	42.22	33.82	5.06	36.82	44.28	74.00	29.72	Peak
6159.500	30.32	33.82	5.06	36.82	32.38	54.00	21.62	Average
7383.500	44.30	36.07	5.41	37.06	48.71	74.00	25.29	Peak
7383.500	41.53	36.07	5.41	37.06	45.94	54.00	8.06	Average
8537.375	42.43	37.40	5.56	37.30	48.09	74.00	25.91	Peak
8537.375	30.24	37.40	5.56	37.30	35.90	54.00	18.10	Average
9918.625	43.48	37.64	6.24	37.02	50.33	74.00	23.67	Peak
9918.625	31.55	37.64	6.24	37.02	38.40	54.00	15.60	Average

Mode: 11B CH2462MHz

With Antenna1

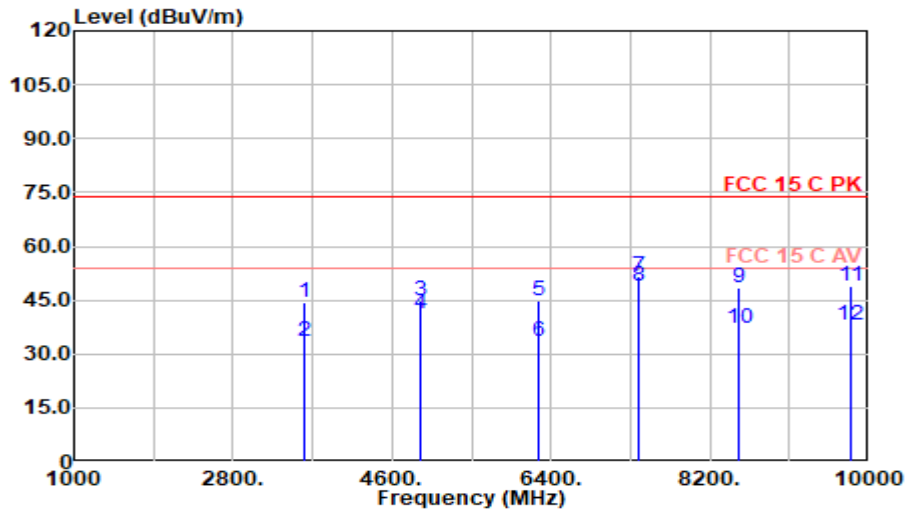


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
11705.750	41.89	38.89	7.19	36.73	51.25	74.00	22.75	Peak
11705.750	28.39	38.89	7.19	36.73	37.75	54.00	16.25	Average
17838.500	41.44	45.78	9.45	36.23	60.43	74.00	13.57	Peak
17838.500	28.54	45.78	9.45	36.23	47.54	54.00	6.46	Average

Mode: 11B CH2462MHz

With Antenna1

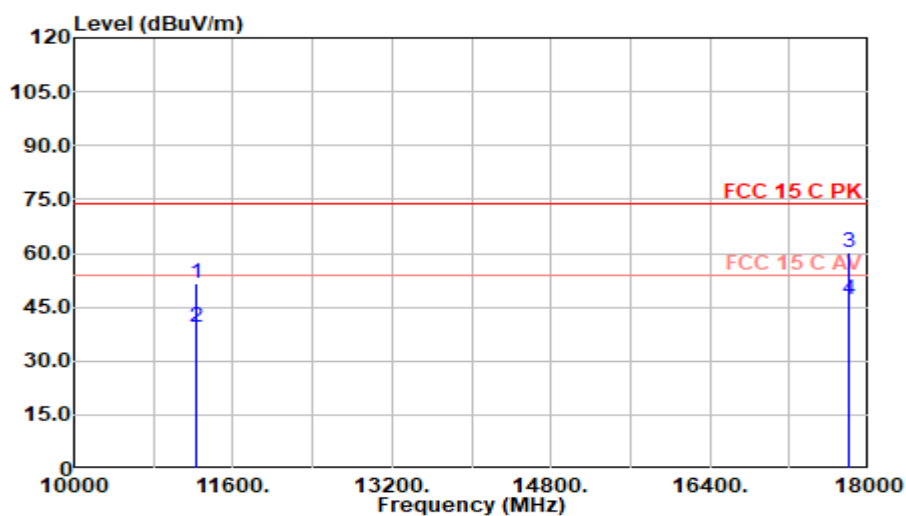


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
3607.375	46.08	30.51	3.64	35.85	44.39	74.00	29.61	Peak
3607.375	35.41	30.51	3.64	35.85	33.71	54.00	20.29	Average
4922.750	44.86	32.25	4.33	36.47	44.97	74.00	29.03	Peak
4922.750	41.29	32.25	4.33	36.47	41.40	54.00	12.60	Average
6255.125	42.57	33.89	5.09	36.83	44.73	74.00	29.27	Peak
6255.125	31.26	33.89	5.09	36.83	33.41	54.00	20.59	Average
7385.625	47.27	36.07	5.41	37.06	51.69	74.00	22.31	Peak
7385.625	44.53	36.07	5.41	37.06	48.95	54.00	5.05	Average
8518.250	42.99	37.40	5.56	37.30	48.65	74.00	25.35	Peak
8518.250	31.34	37.40	5.56	37.30	37.00	54.00	17.00	Average
9784.750	42.32	37.44	6.15	37.06	48.85	74.00	25.15	Peak
9784.750	31.53	37.44	6.15	37.06	38.06	54.00	15.94	Average

Mode: 11B CH2462MHz

With Antenna1

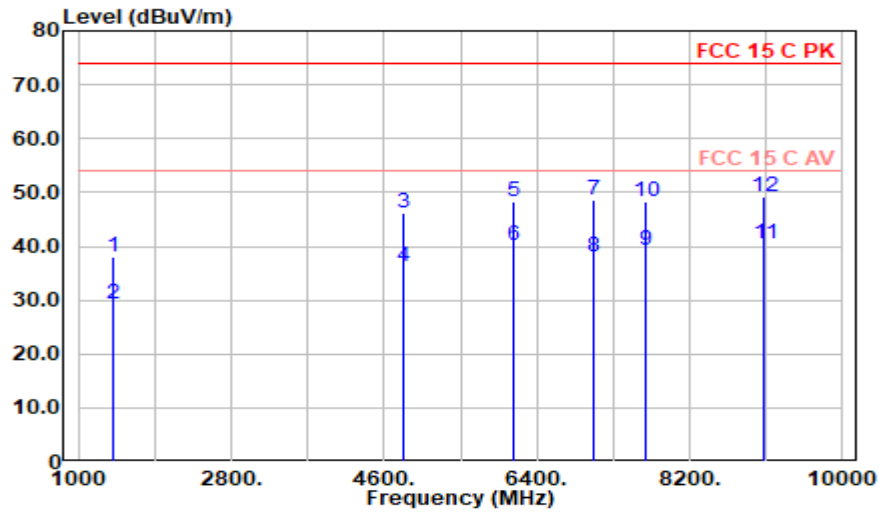


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
11231.880	43.31	38.00	6.95	36.78	51.49	74.00	22.51	Peak
11231.880	31.43	38.00	6.95	36.78	39.60	54.00	14.40	Average
17793.880	41.19	45.67	9.43	36.24	60.05	74.00	13.95	Peak
17793.880	28.42	45.67	9.43	36.24	47.28	54.00	6.72	Average

Mode: 11g CH2412MHz

With Antenna1

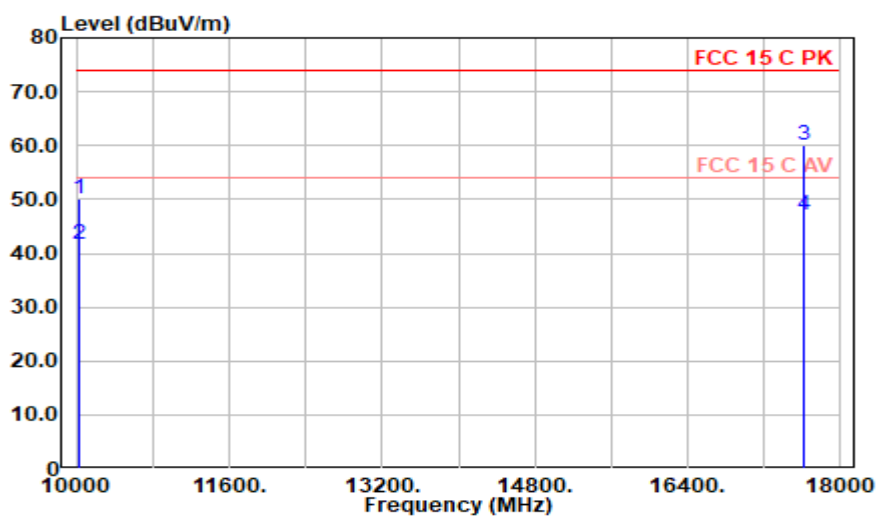


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
1403.75	47.94	24.69	2.31	37.01	37.93	74.00	36.07	Peak
1403.75	39.35	24.69	2.31	37.01	29.34	54.00	24.66	Average
4822.88	46.20	32.25	4.28	36.44	46.28	74.00	27.72	Peak
4822.88	35.99	32.25	4.28	36.44	36.08	54.00	17.92	Average
6129.75	46.22	33.72	5.05	36.81	48.18	74.00	25.82	Peak
6129.75	38.13	33.72	5.05	36.81	40.08	54.00	13.92	Average
7064.75	45.38	34.86	5.29	36.93	48.60	74.00	25.40	Peak
7064.75	34.70	34.86	5.29	36.93	37.92	54.00	16.08	Average
7687.38	34.77	36.20	5.45	37.18	39.24	74.00	34.76	Peak
7687.38	43.70	36.20	5.45	37.18	48.17	54.00	5.83	Average
9081.38	34.46	37.50	5.74	37.27	40.42	74.00	33.58	Peak
9081.38	43.24	37.50	5.74	37.27	49.20	54.00	4.80	Average

Mode: 11g CH2412MHz

With Antenna1

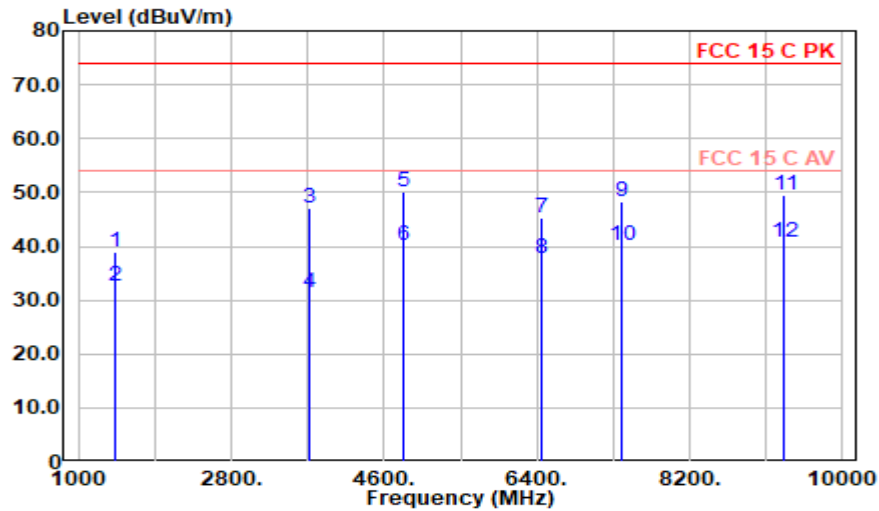


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10022.75	42.95	37.75	6.30	37.00	50.01	74.00	23.99	Peak
10022.75	34.57	37.75	6.30	37.00	41.64	54.00	12.36	Average
17611.13	42.37	44.58	9.35	36.28	60.03	74.00	13.97	Peak
17611.13	29.58	44.58	9.35	36.28	47.24	54.00	6.76	Average

Mode: 11g CH2412MHz

With Antenna1

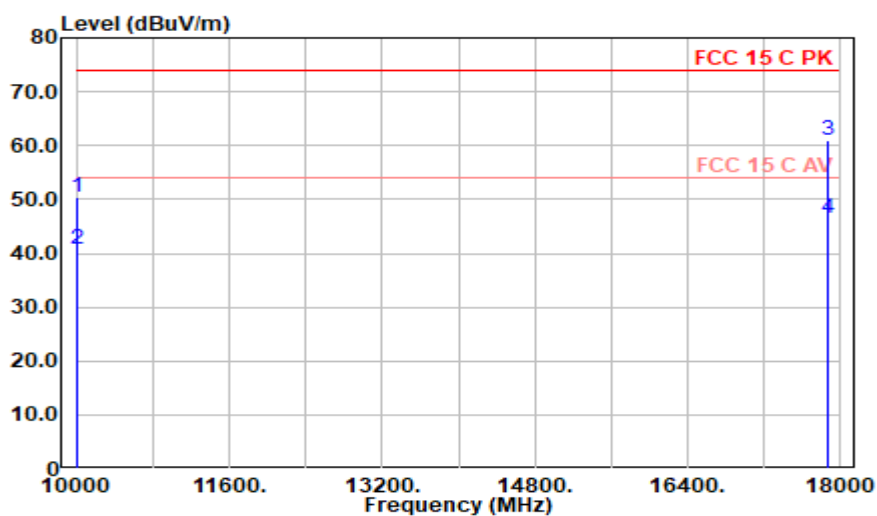


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
1429.25	49.09	24.64	2.33	36.99	39.07	74.00	34.93	Peak
1429.25	42.63	24.64	2.33	36.99	32.61	54.00	21.39	Average
3717.88	48.03	31.21	3.69	35.92	47.01	74.00	26.99	Peak
3717.88	32.44	31.21	3.69	35.92	31.42	54.00	22.58	Average
4825.00	49.95	32.25	4.28	36.44	50.04	74.00	23.96	Peak
4825.00	39.91	32.25	4.28	36.44	40.00	54.00	14.00	Average
6446.38	43.22	33.70	5.16	36.85	45.23	74.00	28.77	Peak
6446.38	35.66	33.70	5.16	36.85	37.67	54.00	16.33	Average
7404.75	43.71	36.10	5.41	37.07	48.16	74.00	25.84	Peak
7404.75	35.61	36.10	5.41	37.07	40.06	54.00	13.94	Average
9315.13	43.52	37.33	5.87	37.20	49.51	74.00	24.49	Peak
9315.13	34.61	37.33	5.87	37.20	40.61	54.00	13.39	Average

Mode: 11g CH2412MHz

With Antenna1

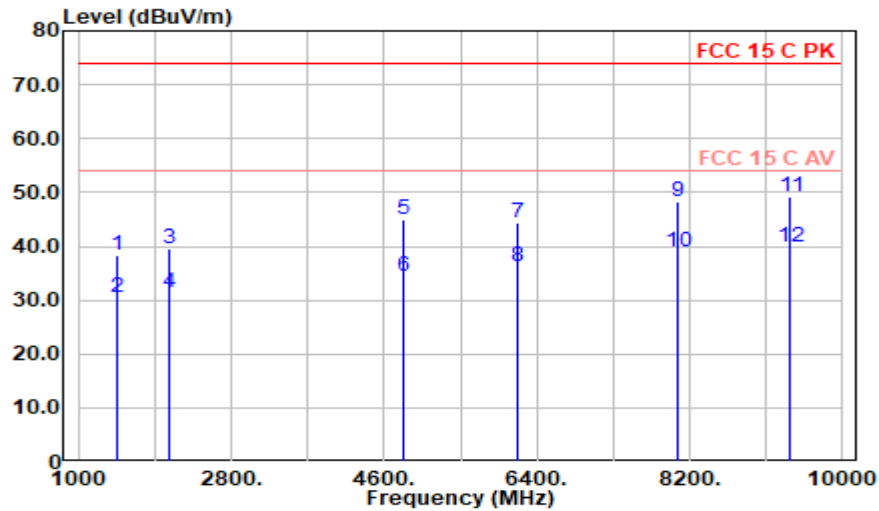


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10010.00	43.22	37.78	6.30	37.00	50.30	74.00	23.70	Peak
10010.00	33.66	37.78	6.30	37.00	40.74	54.00	13.26	Average
17870.38	41.98	45.84	9.46	36.23	61.05	74.00	12.95	Peak
17870.38	27.33	45.84	9.46	36.23	46.40	54.00	7.60	Average

Mode: 11n CH2412MHz

With Antenna1

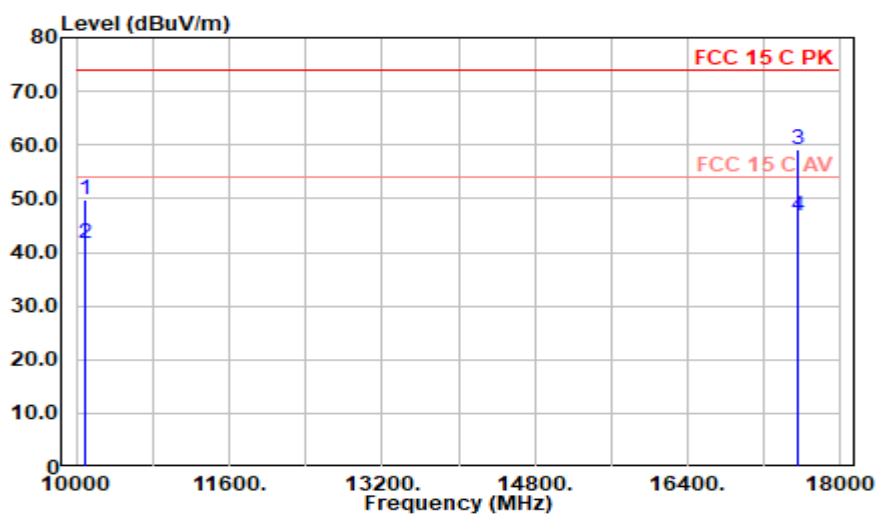


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
1461.13	48.25	24.62	2.35	36.97	38.25	74.00	35.75	Peak
1461.13	40.37	24.62	2.35	36.97	30.37	54.00	23.63	Average
2075.25	46.65	26.85	2.76	36.58	39.68	74.00	34.32	Peak
2075.25	38.22	26.85	2.76	36.58	31.25	54.00	22.75	Average
4827.13	44.97	32.25	4.28	36.44	45.06	74.00	28.94	Peak
4827.13	34.32	32.25	4.28	36.44	34.42	54.00	19.58	Average
6180.75	42.24	33.86	5.07	36.82	44.35	74.00	29.65	Peak
6180.75	33.99	33.86	5.07	36.82	36.09	54.00	17.91	Average
8061.38	43.41	36.82	5.47	37.30	48.40	74.00	25.60	Peak
8061.38	34.02	36.82	5.47	37.30	39.01	54.00	14.99	Average
9383.13	43.16	37.33	5.91	37.18	49.22	74.00	24.78	Peak
9383.13	33.65	37.33	5.91	37.18	39.71	54.00	14.29	Average

Mode: 11n CH2412MHz

With Antenna1

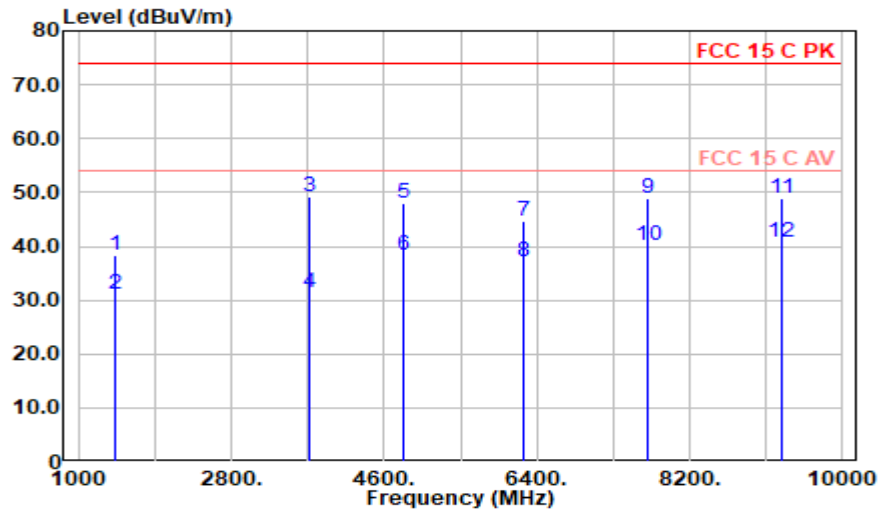


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10086.50	42.73	37.63	6.33	36.98	49.71	74.00	24.29	Peak
10086.50	34.65	37.63	6.33	36.98	41.63	54.00	12.37	Average
17555.88	42.09	44.10	9.33	36.29	59.24	74.00	14.76	Peak
17555.88	29.66	44.10	9.33	36.29	46.80	54.00	7.20	Average

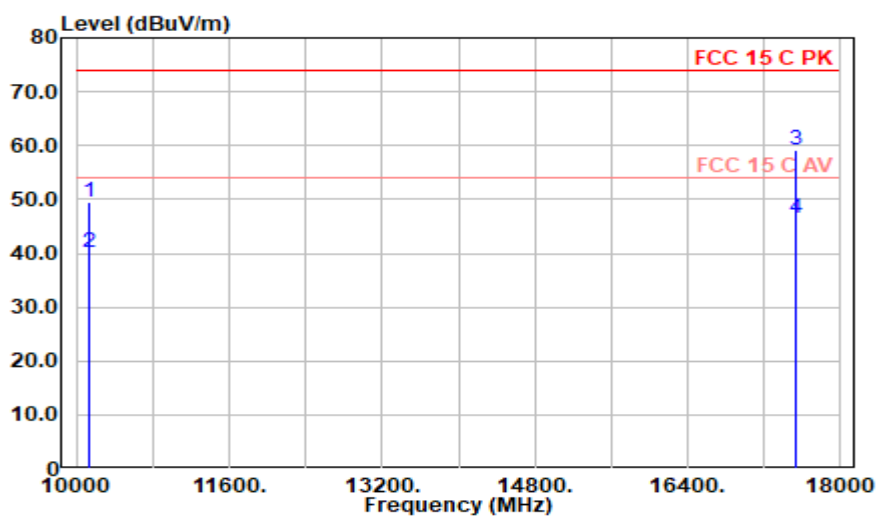
Mode: 11n CH2412MHz

With Antenna1



Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
1435.63	48.50	24.63	2.33	36.99	38.47	74.00	35.53	Peak
1435.63	41.22	24.63	2.33	36.99	31.19	54.00	22.81	Average
3730.63	50.04	31.28	3.70	35.93	49.09	74.00	24.91	Peak
3730.63	32.34	31.28	3.70	35.93	31.39	54.00	22.61	Average
4818.63	48.05	32.24	4.28	36.43	48.13	74.00	25.87	Peak
4818.63	38.16	32.24	4.28	36.43	38.24	54.00	15.76	Average
6238.13	42.40	33.90	5.09	36.83	44.56	74.00	29.44	Peak
6238.13	34.99	33.90	5.09	36.83	37.15	54.00	16.85	Average
7700.13	44.41	36.20	5.45	37.19	48.88	74.00	25.12	Peak
7700.13	35.63	36.20	5.45	37.19	40.09	54.00	13.91	Average
9272.63	43.01	37.35	5.84	37.22	48.99	74.00	25.01	Peak
9272.63	34.65	37.35	5.84	37.22	40.64	54.00	13.36	Average

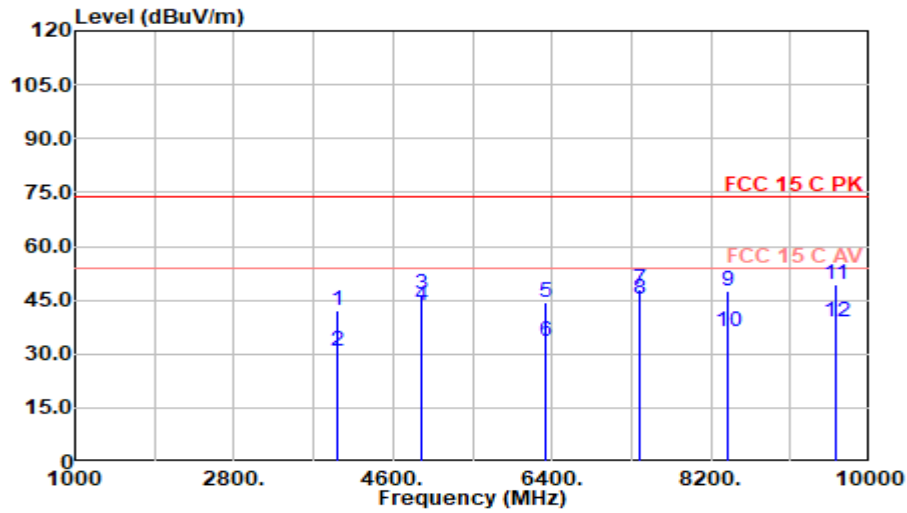
Mode: 11n CH2412MHz**With Antenna1**

Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10126.88	42.65	37.60	6.35	36.97	49.64	74.00	24.36	Peak
10126.88	33.13	37.60	6.35	36.97	40.11	54.00	13.89	Average
17524.00	42.23	43.82	9.32	36.29	59.07	74.00	14.93	Peak
17524.00	29.66	43.82	9.32	36.29	46.50	54.00	7.50	Average

Mode: 11B CH2462MHz

With Antenna2

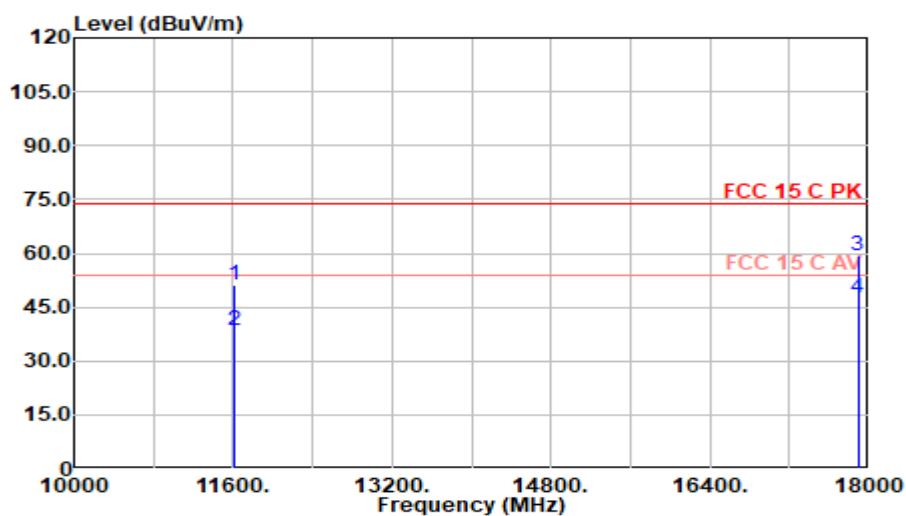


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
3975.000	42.75	31.70	3.82	36.08	42.18	74.00	31.82	Peak
3975.000	31.47	31.70	3.82	36.08	30.91	54.00	23.09	Average
4924.875	46.43	32.25	4.33	36.47	46.54	74.00	27.46	Peak
4924.875	43.14	32.25	4.33	36.47	43.25	54.00	10.75	Average
6331.625	42.17	33.80	5.12	36.83	44.26	74.00	29.74	Peak
6331.625	31.52	33.80	5.12	36.83	33.60	54.00	20.40	Average
7383.500	43.70	36.07	5.41	37.06	48.11	74.00	25.89	Peak
7383.500	40.65	36.07	5.41	37.06	45.07	54.00	8.93	Average
8382.250	41.85	37.36	5.53	37.30	47.45	74.00	26.55	Peak
8382.250	30.49	37.36	5.53	37.30	36.08	54.00	17.92	Average
9612.625	43.15	37.40	6.04	37.11	49.48	74.00	24.52	Peak
9612.625	32.51	37.40	6.04	37.11	38.85	54.00	15.15	Average

Mode: 11B CH2462MHz

With Antenna2

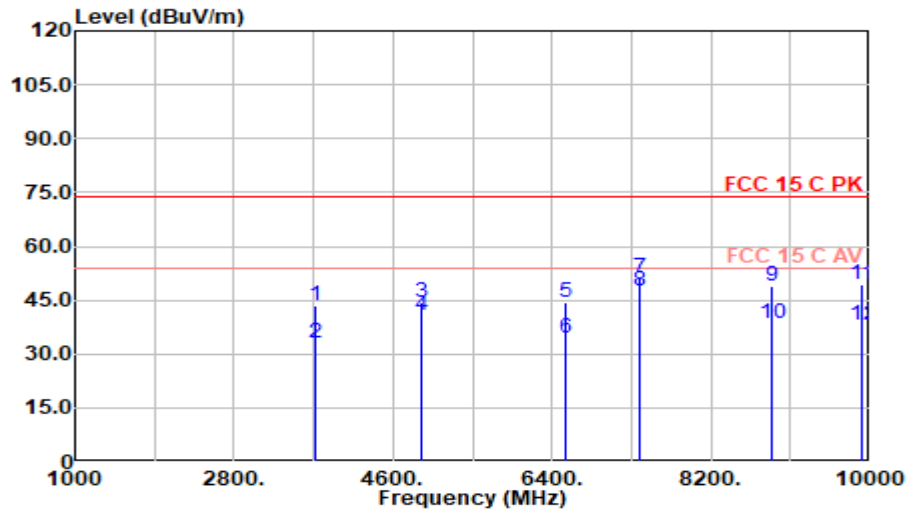


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
11614.380	41.92	38.64	7.21	36.74	51.03	74.00	22.97	Peak
11614.380	29.39	38.64	7.21	36.74	38.51	54.00	15.49	Average
17889.500	40.04	45.88	9.47	36.22	59.16	74.00	14.84	Peak
17889.500	28.40	45.88	9.47	36.22	47.53	54.00	6.47	Average

Mode: 11B CH2462MHz

With Antenna2

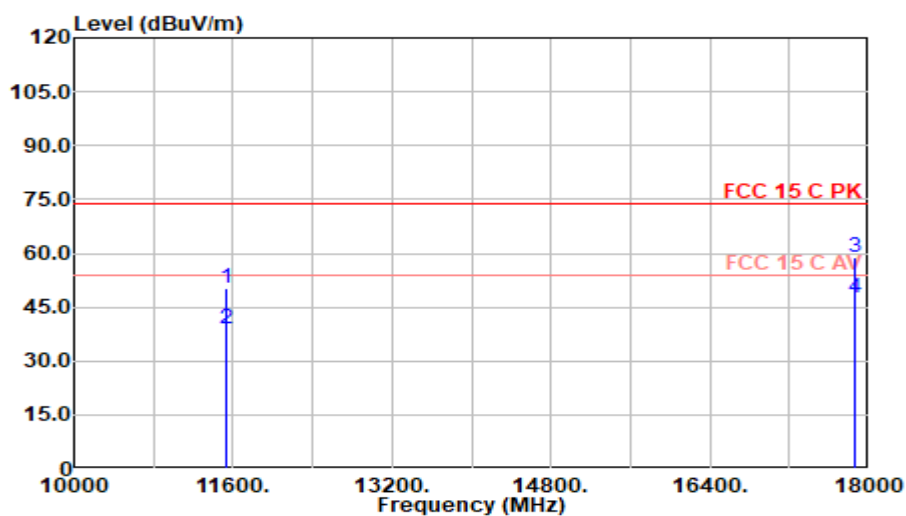


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
3728.500	44.40	31.27	3.70	35.93	43.45	74.00	30.56	Peak
3728.500	34.14	31.27	3.70	35.93	33.18	54.00	20.82	Average
4922.750	44.19	32.25	4.33	36.47	44.30	74.00	29.70	Peak
4922.750	40.53	32.25	4.33	36.47	40.64	54.00	13.36	Average
6544.125	42.46	33.79	5.19	36.86	44.58	74.00	29.42	Peak
6544.125	32.25	33.79	5.19	36.86	34.37	54.00	19.63	Average
7385.625	46.53	36.07	5.41	37.06	50.95	74.00	23.05	Peak
7385.625	43.15	36.07	5.41	37.06	47.57	54.00	6.43	Average
8888.000	43.05	37.45	5.66	37.30	48.86	74.00	25.14	Peak
8888.000	32.51	37.45	5.66	37.30	38.32	54.00	15.68	Average
9901.625	42.62	37.60	6.23	37.03	49.42	74.00	24.58	Peak
9901.625	31.26	37.60	6.23	37.03	38.07	54.00	15.93	Average

Mode: 11B CH2462MHz

With Antenna2

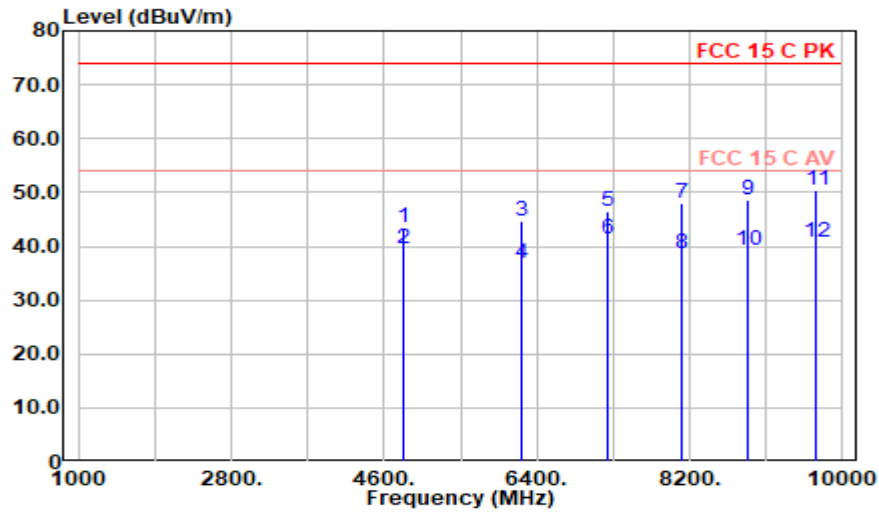


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
11540.000	41.48	38.36	7.22	36.74	50.32	74.00	23.68	Peak
11540.000	30.15	38.36	7.22	36.74	38.99	54.00	15.01	Average
17859.750	39.84	45.82	9.45	36.23	58.88	74.00	15.12	Peak
17859.750	28.38	45.82	9.45	36.23	47.43	54.00	6.57	Average

Mode: 11g CH2412MHz

With Antenna2

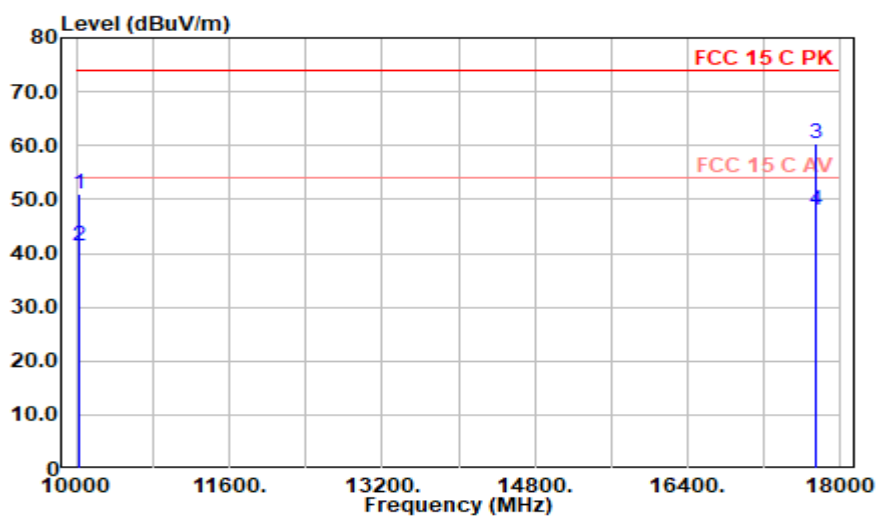


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
4825.00	43.41	32.25	4.28	36.44	43.50	74.00	30.50	Peak
4825.00	39.32	32.25	4.28	36.44	39.41	54.00	14.59	Average
6229.63	42.64	33.90	5.08	36.82	44.80	74.00	29.20	Peak
6229.63	34.52	33.90	5.08	36.82	36.68	54.00	17.32	Average
7236.88	42.54	35.65	5.35	37.00	46.54	74.00	27.46	Peak
7236.88	37.37	35.65	5.35	37.00	41.36	54.00	12.64	Average
8108.13	42.82	36.90	5.48	37.30	47.90	74.00	26.10	Peak
8108.13	33.66	36.90	5.48	37.30	38.74	54.00	15.26	Average
8892.25	42.87	37.47	5.66	37.30	48.70	74.00	25.30	Peak
8892.25	33.52	37.47	5.66	37.30	39.34	54.00	14.66	Average
9689.13	44.07	37.32	6.09	37.09	50.40	74.00	23.60	Peak
9689.13	34.33	37.32	6.09	37.09	40.66	54.00	13.34	Average

Mode: 11g CH2412MHz

With Antenna2

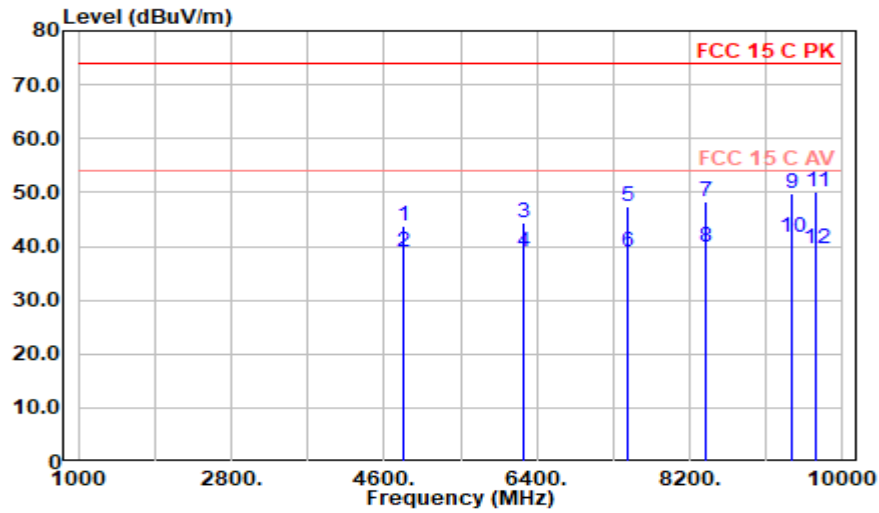


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10027.00	43.92	37.75	6.30	36.99	50.98	74.00	23.02	Peak
10027.00	34.21	37.75	6.30	36.99	41.27	54.00	12.73	Average
17740.75	41.80	45.40	9.41	36.25	60.36	74.00	13.64	Peak
17740.75	29.36	45.40	9.41	36.25	47.92	54.00	6.08	Average

Mode: 11g CH2412MHz

With Antenna2

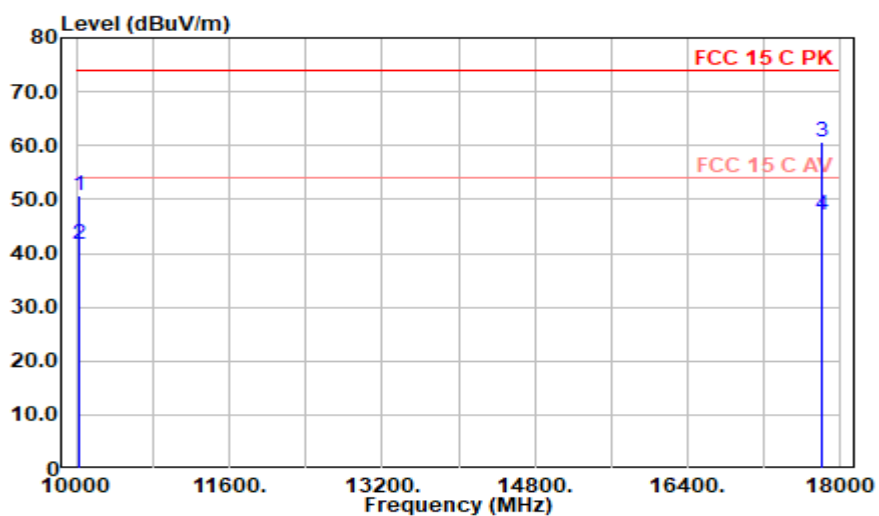


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
4820.75	43.78	32.24	4.28	36.43	43.86	74.00	30.14	Peak
4820.75	39.00	32.24	4.28	36.43	39.08	54.00	14.92	Average
6246.63	42.32	33.90	5.09	36.83	44.49	74.00	29.51	Peak
6246.63	36.66	33.90	5.09	36.83	38.82	54.00	15.18	Average
7464.25	42.93	36.10	5.44	37.09	47.37	74.00	26.63	Peak
7464.25	34.45	36.10	5.44	37.09	38.90	54.00	15.10	Average
8386.50	42.70	37.37	5.53	37.30	48.30	74.00	25.70	Peak
8386.50	34.33	37.37	5.53	37.30	39.93	54.00	14.07	Average
9393.75	43.73	37.31	5.91	37.18	49.78	74.00	24.22	Peak
9393.75	35.57	37.31	5.91	37.18	41.61	54.00	12.39	Average
9689.13	43.89	37.32	6.09	37.09	50.22	74.00	23.78	Peak
9689.13	33.26	37.32	6.09	37.09	39.59	54.00	14.41	Average

Mode: 11g CH2412MHz

With Antenna2

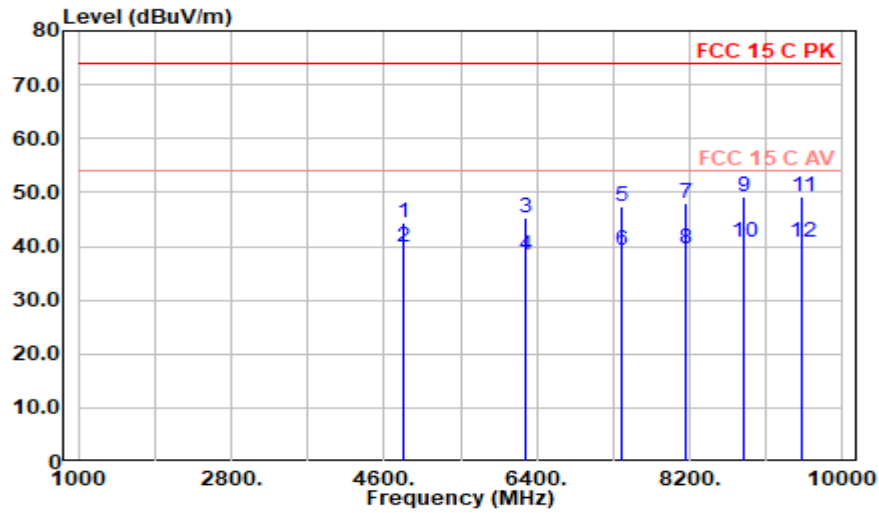


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10024.88	43.58	37.75	6.30	36.99	50.64	74.00	23.36	Peak
10024.88	34.65	37.75	6.30	36.99	41.71	54.00	12.29	Average
17796.00	41.68	45.68	9.43	36.24	60.55	74.00	13.45	Peak
17796.00	28.22	45.68	9.43	36.24	47.09	54.00	6.91	Average

Mode: 11n CH2412MHz

With Antenna2

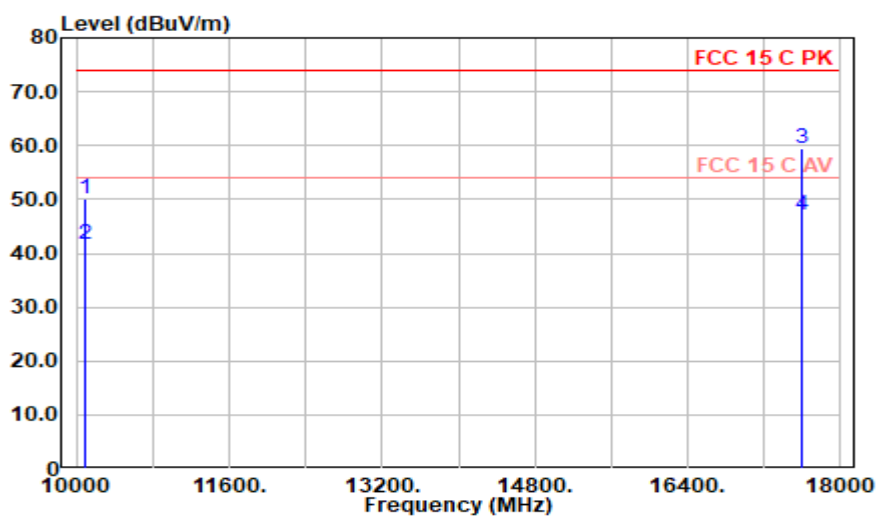


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
4827.13	44.13	32.25	4.28	36.44	44.23	74.00	29.77	Peak
4827.13	39.65	32.25	4.28	36.44	39.75	54.00	14.25	Average
6270.00	43.12	33.86	5.10	36.83	45.25	74.00	28.75	Peak
6270.00	36.15	33.86	5.10	36.83	38.29	54.00	15.71	Average
7404.75	42.91	36.10	5.41	37.07	47.36	74.00	26.64	Peak
7404.75	34.66	36.10	5.41	37.07	39.10	54.00	14.90	Average
8146.38	43.06	36.90	5.49	37.30	48.15	74.00	25.85	Peak
8146.38	34.59	36.90	5.49	37.30	39.67	54.00	14.33	Average
8847.63	43.48	37.30	5.65	37.30	49.13	74.00	24.87	Peak
8847.63	35.25	37.30	5.65	37.30	40.90	54.00	13.10	Average
9525.50	42.95	37.40	5.99	37.14	49.20	74.00	24.80	Peak
9525.50	34.63	37.40	5.99	37.14	40.87	54.00	13.13	Average

Mode: 11n CH2412MHz

With Antenna2

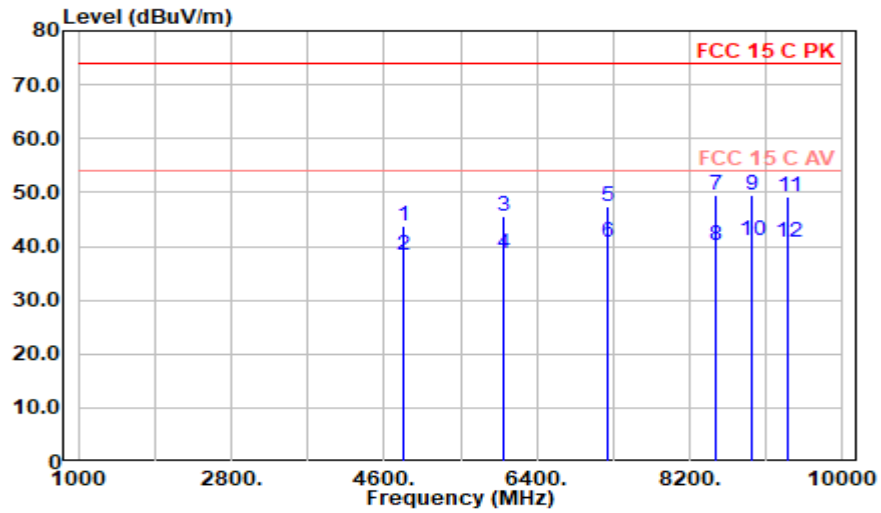


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10095.00	43.10	37.61	6.34	36.98	50.06	74.00	23.94	Peak
10095.00	34.66	37.61	6.34	36.98	41.63	54.00	12.37	Average
17596.25	42.03	44.47	9.35	36.28	59.57	74.00	14.43	Peak
17596.25	29.65	44.47	9.35	36.28	47.19	54.00	6.81	Average

Mode: 11n CH2412MHz

With Antenna2

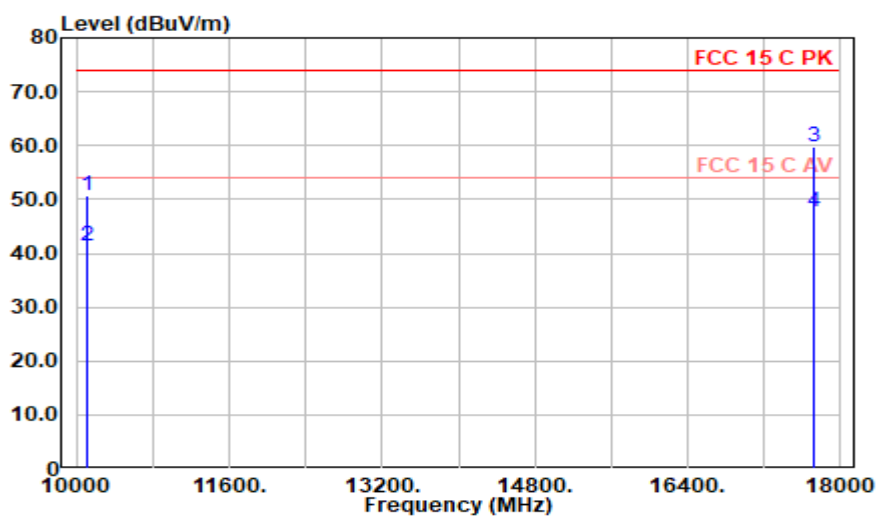


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
4827.13	43.61	32.25	4.28	36.44	43.70	74.00	30.30	Peak
4827.13	38.26	32.25	4.28	36.44	38.35	54.00	15.65	Average
6002.25	44.01	33.30	5.00	36.80	45.51	74.00	28.49	Peak
6002.25	37.22	33.30	5.00	36.80	38.72	54.00	15.28	Average
7234.75	43.40	35.64	5.35	37.00	47.39	74.00	26.61	Peak
7234.75	36.66	35.64	5.35	37.00	40.65	54.00	13.35	Average
8499.13	43.75	37.40	5.55	37.30	49.40	74.00	24.60	Peak
8499.13	34.57	37.40	5.55	37.30	40.22	54.00	13.78	Average
8924.13	43.58	37.55	5.67	37.30	49.50	74.00	24.50	Peak
8924.13	35.27	37.55	5.67	37.30	41.18	54.00	12.82	Average
9359.75	43.19	37.38	5.89	37.19	49.28	74.00	24.72	Peak
9359.75	34.66	37.38	5.89	37.19	40.74	54.00	13.26	Average

Mode: 11n CH2412MHz

With Antenna2



Polarization at Vertical

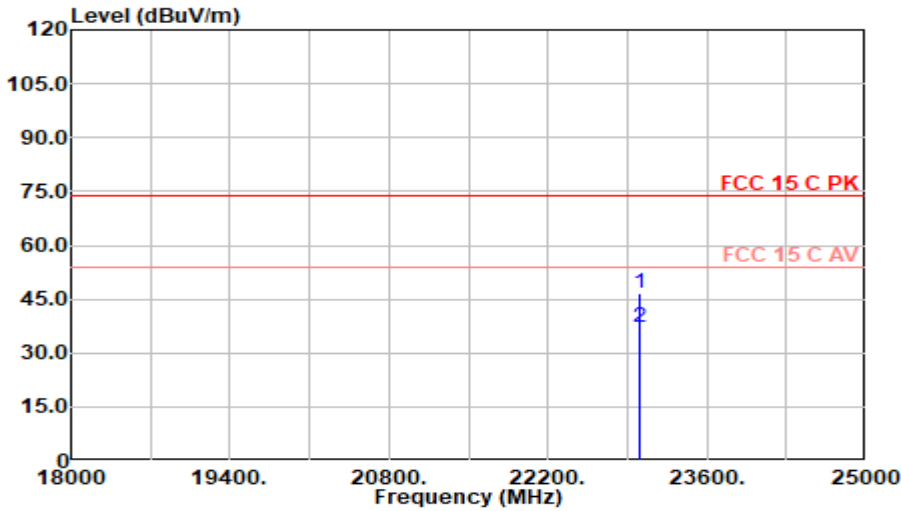
Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
10103.50	43.62	37.60	6.34	36.98	50.59	74.00	23.41	Peak
10103.50	34.25	37.60	6.34	36.98	41.22	54.00	12.78	Average
17723.75	41.23	45.32	9.40	36.25	59.70	74.00	14.30	Peak
17723.75	29.35	45.32	9.40	36.25	47.82	54.00	6.18	Average

Radiated Emission > 18GHz

Test Date:	2026.06.01-07.16	Temp./Hum.:	22°C/51%RH	Test By:	Jarey
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Mode: 11B CH2462MHz

With Antenna1

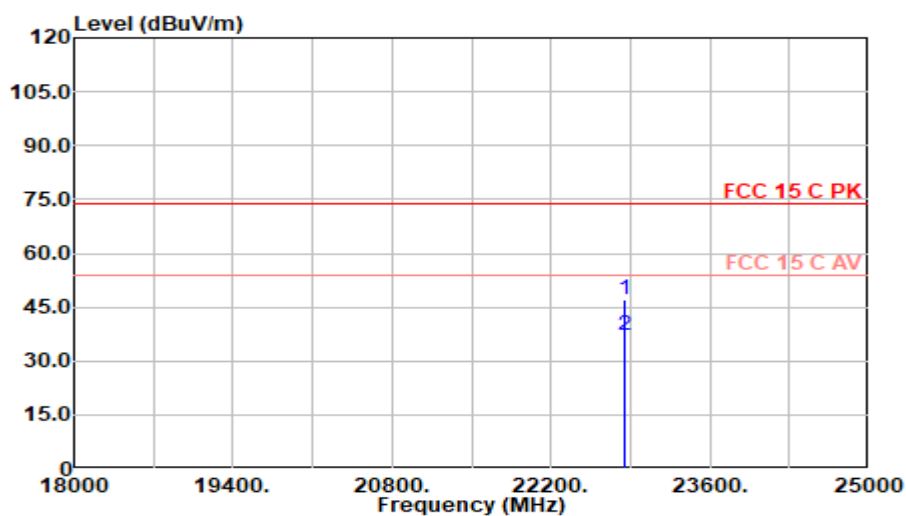


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
23013.000	47.15	45.01	8.44	53.81	46.79	74.00	27.21	Peak
23013.000	37.41	45.01	8.44	53.81	37.06	54.00	16.94	Average

Mode: 11B CH2462MHz

With Antenna1

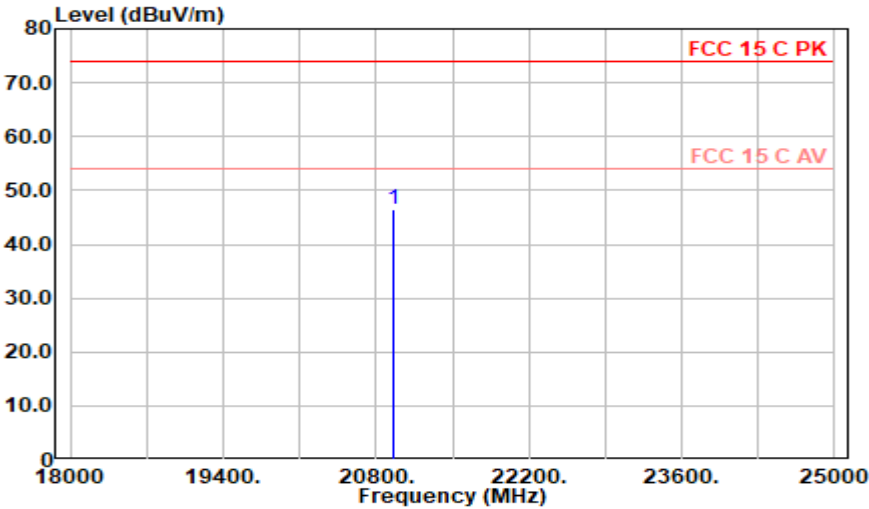


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
22842.000	47.22	45.06	8.42	53.83	46.87	74.00	27.13	Peak
22842.000	37.63	45.06	8.42	53.83	37.28	54.00	16.72	Average

Mode: 11g CH2412MHz

With Antenna1

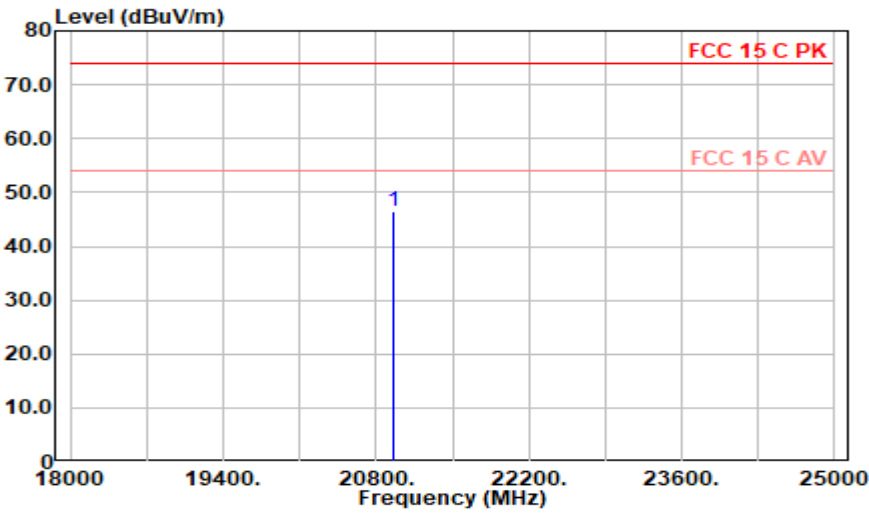


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
20956.00	46.99	45.25	8.11	54.00	46.34	74.00	27.66	Peak

Mode: 11g CH2412MHz

With Antenna1

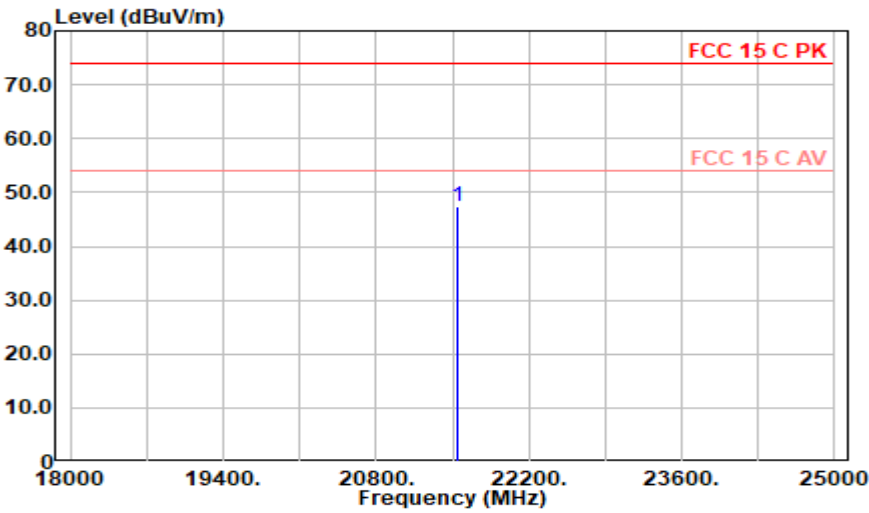


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
20956.00	46.99	45.25	8.11	54.00	46.34	74.00	27.66	Peak

Mode: 11n CH2412MHz

With Antenna1

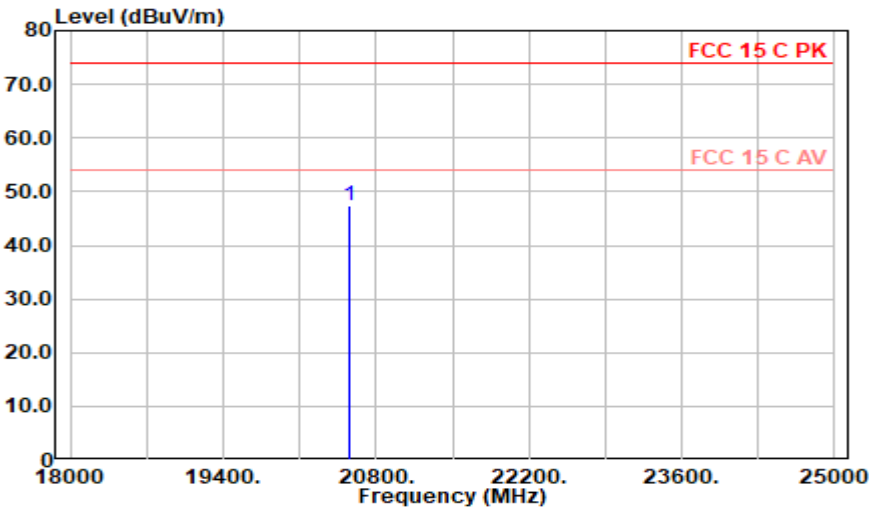


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
21541.00	47.96	45.07	8.23	54.00	47.26	74.00	26.74	Peak

Mode: 11n CH2412MHz

With Antenna1

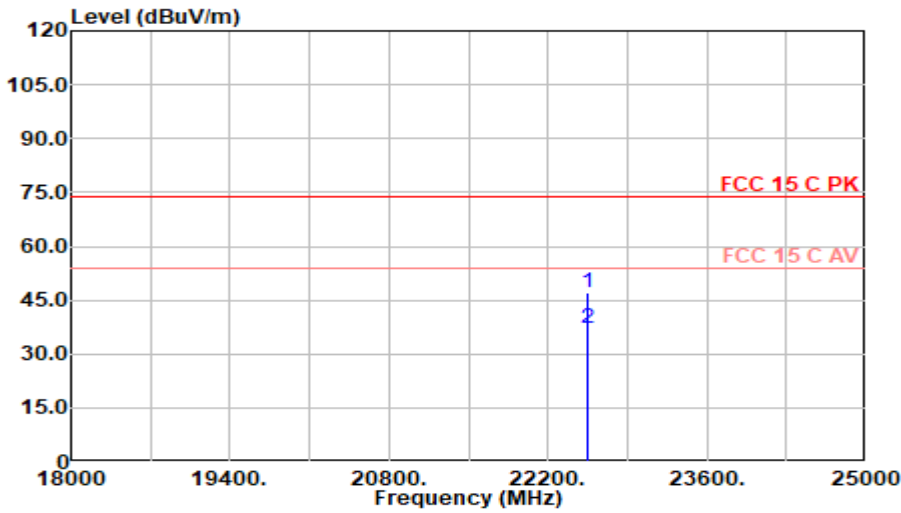


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
20548.00	48.58	44.84	7.97	54.04	47.35	74.00	26.65	Peak

Mode: 11B CH2462MHz

With Antenna2

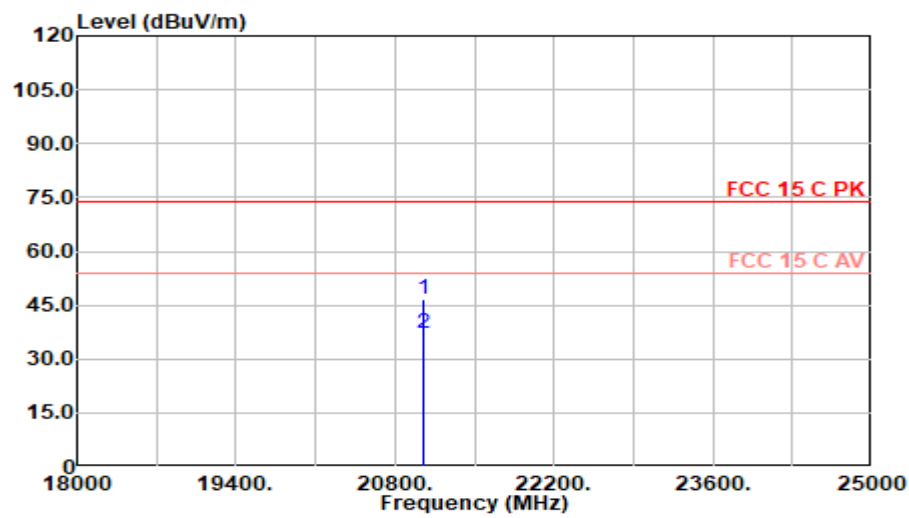


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
22546.000	47.53	45.18	8.39	53.89	47.21	74.00	26.79	Peak
22546.000	37.25	45.18	8.39	53.89	36.93	54.00	17.07	Average

Mode: 11B CH2462MHz

With Antenna2

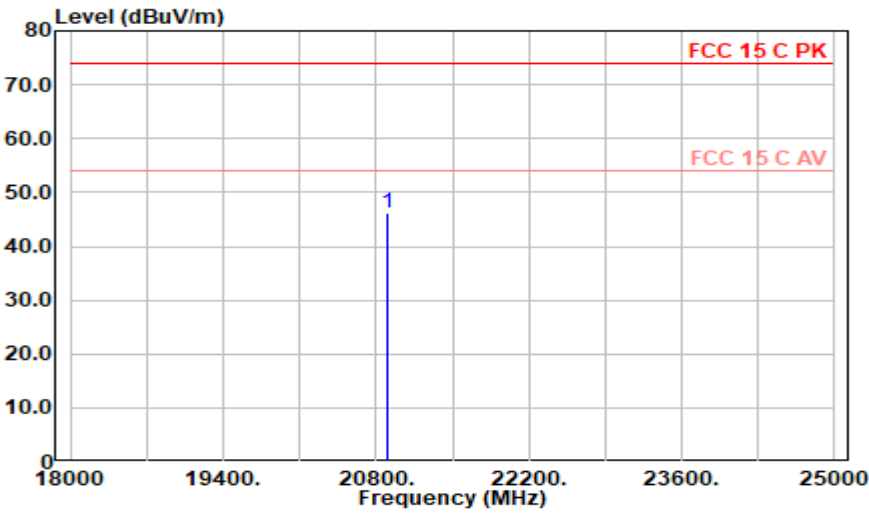


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
21057.000	47.16	45.28	8.14	54.00	46.58	74.00	27.42	Peak
21057.000	37.52	45.28	8.14	54.00	36.93	54.00	17.07	Average

Mode: 11g CH2412MHz

With Antenna2

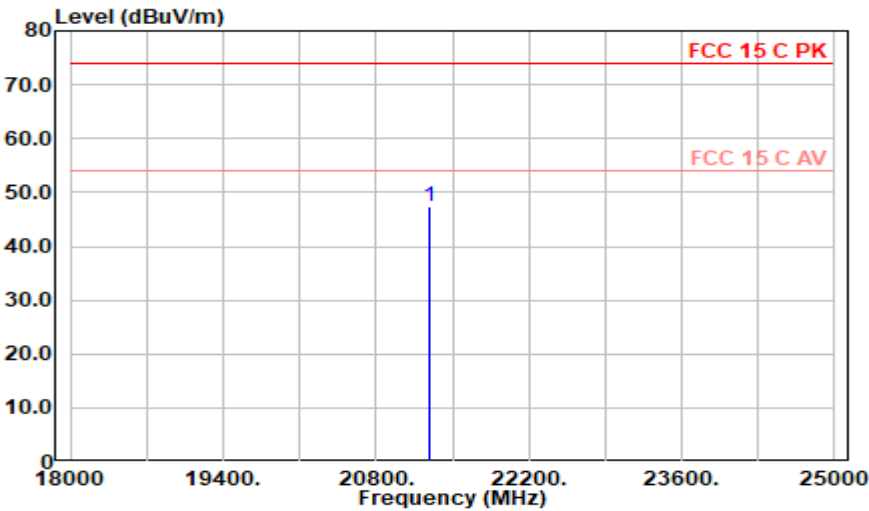


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
20898.00	46.99	45.18	8.10	54.01	46.25	74.00	27.75	Peak

Mode: 11g CH2412MHz

With Antenna2

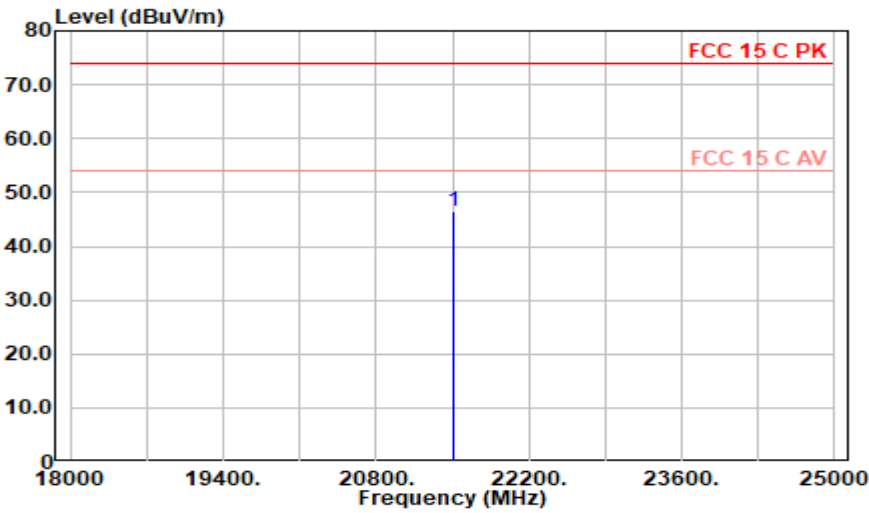


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
21284.00	48.01	45.19	8.18	54.00	47.38	74.00	26.62	Peak

Mode: 11n CH2412MHz

With Antenna2

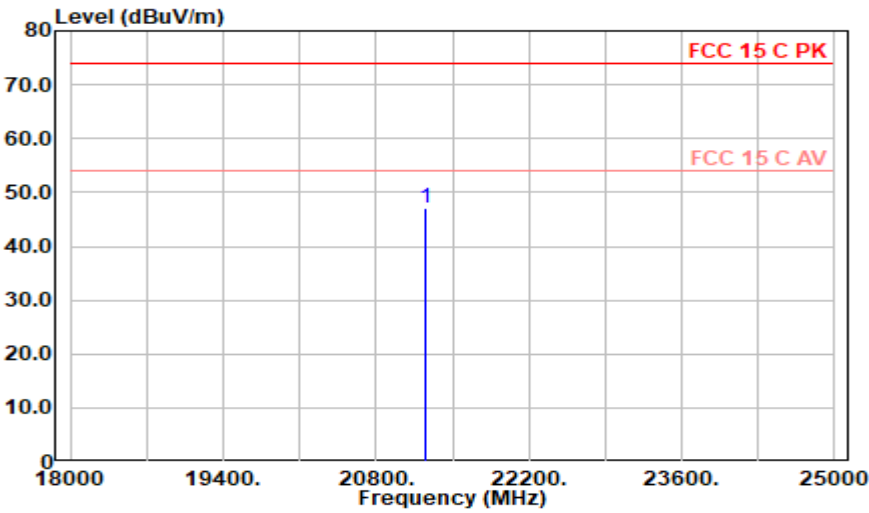


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
21512.00	47.24	45.09	8.23	54.00	46.56	74.00	27.44	Peak

Mode: 11n CH2412MHz

With Antenna2

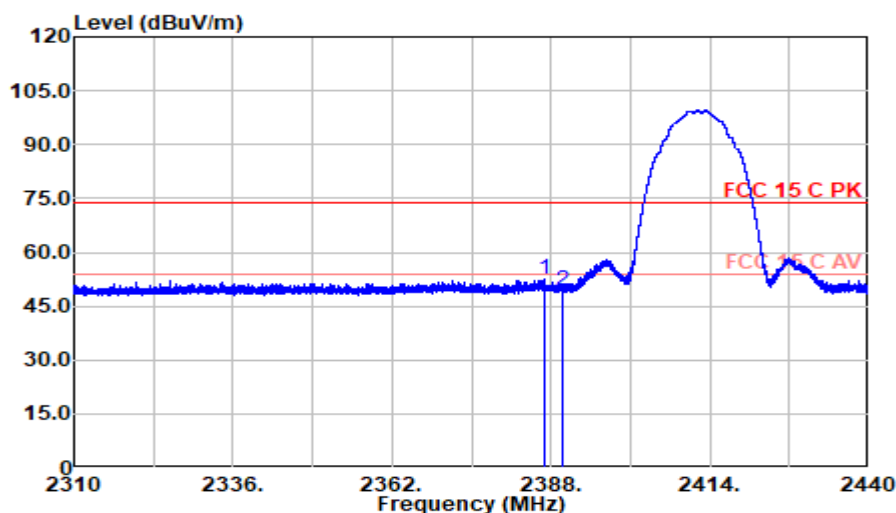


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
21245.00	47.65	45.20	8.18	54.00	47.03	74.00	26.97	Peak

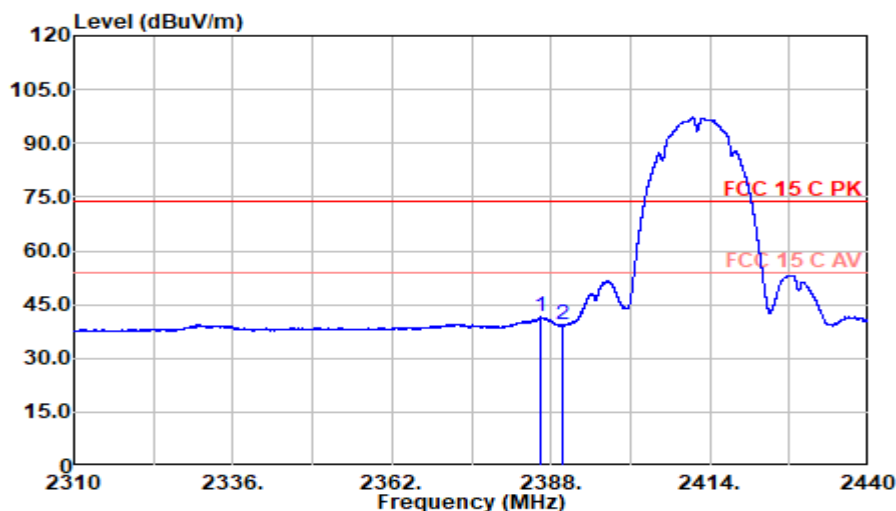
Band-Edge and Restricted bands:

Test Date:	2026.05.31-07.16	Temp./Hum.:	22°C/51%RH	Test By:	Jarey
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Mode: 802.11b CH2412MHz**With Antenna1**

Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2386.814	57.75	27.80	2.93	36.13	52.35	74.00	21.65	Peak
2390.000	54.94	27.80	2.94	36.13	49.54	74.00	24.46	Peak

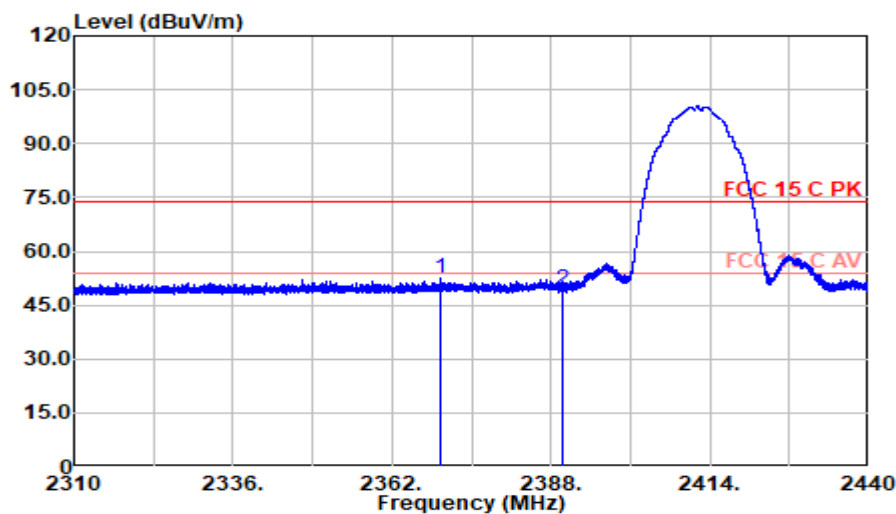
Mode: 802.11b CH2412MHz**With Antenna1**

Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2386.343	46.87	27.80	2.93	36.13	41.47	54.00	12.53	Average
2390.000	44.70	27.80	2.94	36.13	39.31	54.00	14.69	Average

Mode: 802.11b CH2412MHz

With Antenna1

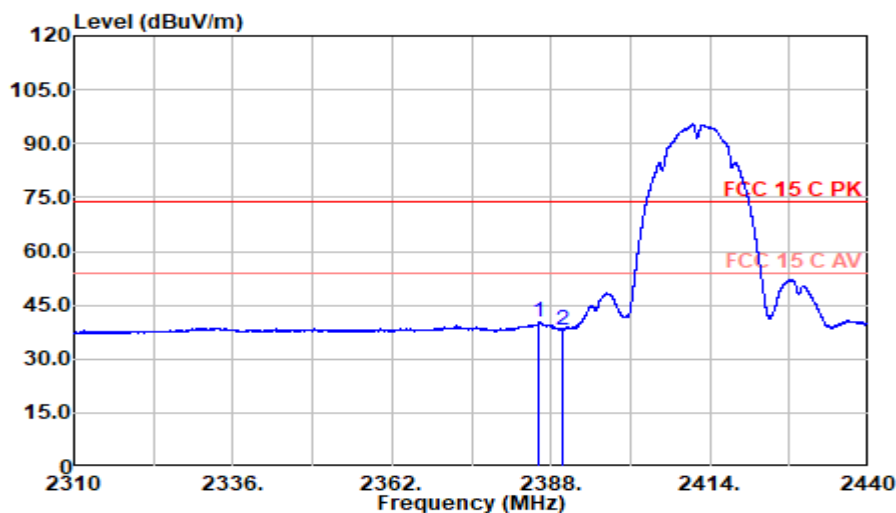


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2369.816	57.83	27.80	2.93	36.16	52.40	74.00	21.60	Peak
2390.000	54.72	27.80	2.94	36.13	49.33	74.00	24.67	Peak

Mode: 802.11b CH2412MHz

With Antenna1

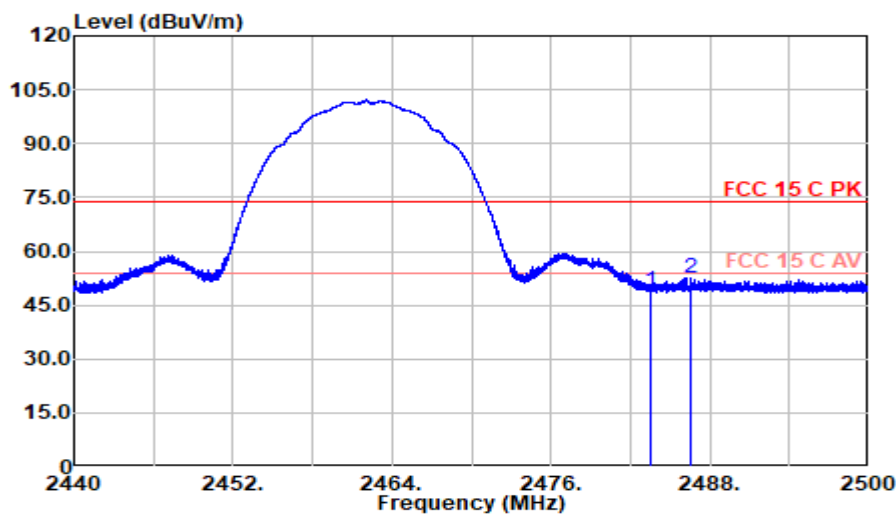


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2386.066	45.59	27.80	2.93	36.13	40.19	54.00	13.81	Average
2390.000	43.54	27.80	2.94	36.13	38.15	54.00	15.85	Average

Mode: 802.11b CH2462MHz

With Antenna1

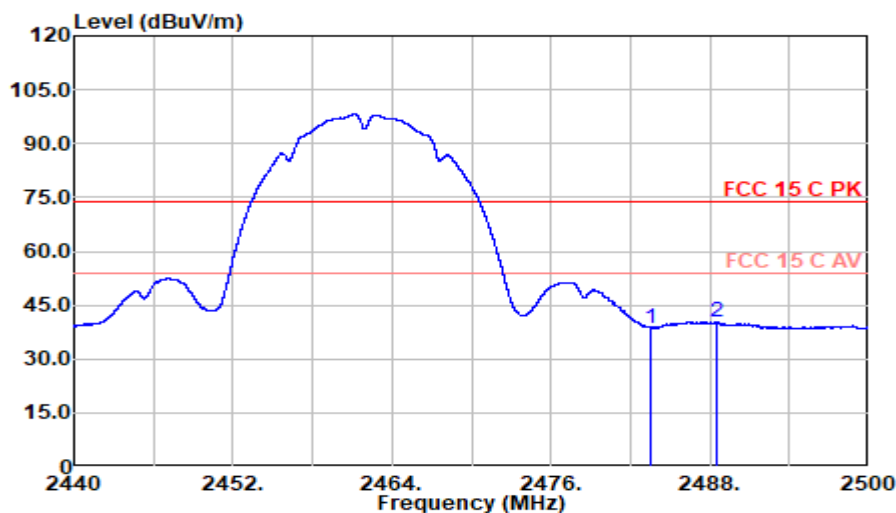


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.500	54.65	27.50	2.98	36.01	49.13	74.00	24.87	Peak
2486.500	58.11	27.50	2.98	36.00	52.60	74.00	21.40	Peak

Mode: 802.11b CH2462MHz

With Antenna1

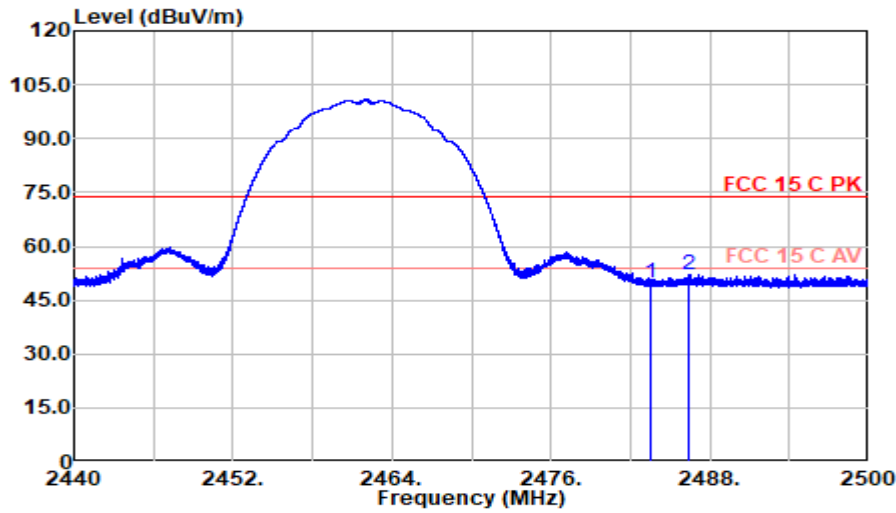


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.500	44.13	27.50	2.98	36.01	38.61	54.00	15.39	Average
2486.500	45.69	27.50	2.98	36.00	40.17	54.00	13.83	Average

Mode: 802.11b CH2462MHz

With Antenna1

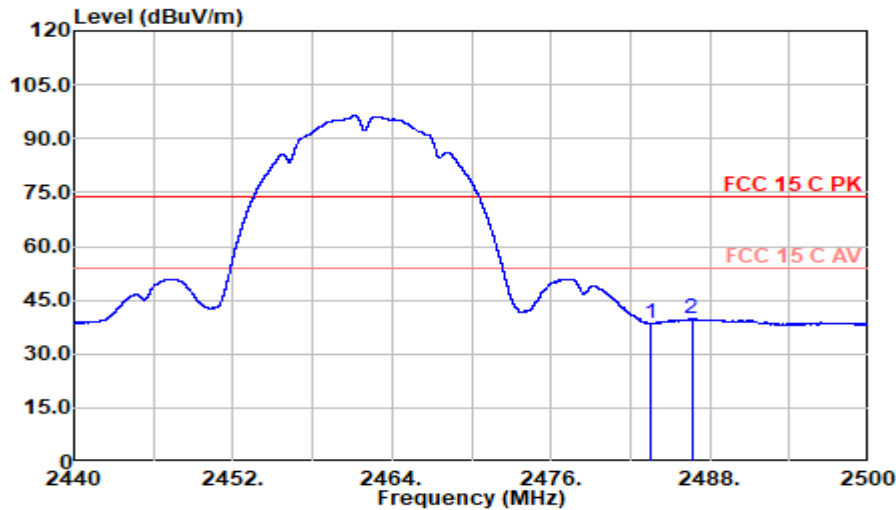


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.500	55.28	27.50	2.98	36.01	49.76	74.00	24.24	Peak
2486.462	57.78	27.50	2.98	36.00	52.27	74.00	21.73	Peak

Mode: 802.11b CH2462MHz

With Antenna1

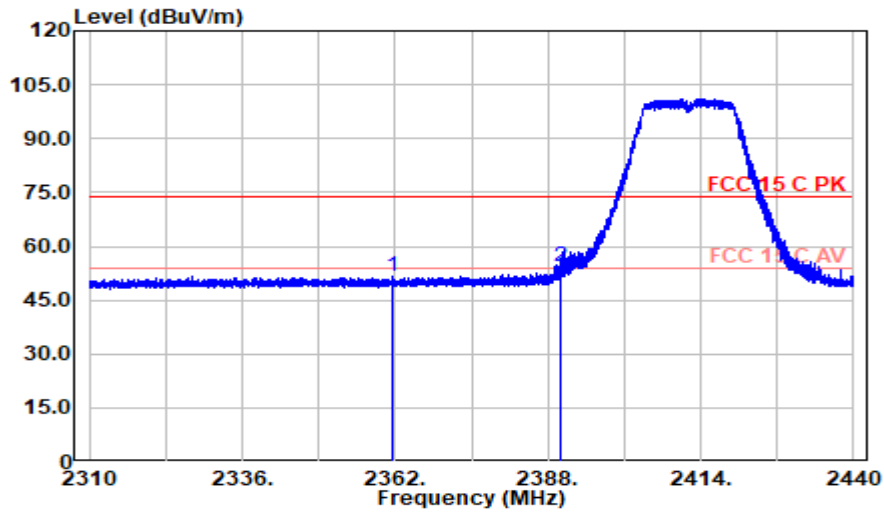


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.500	43.97	27.50	2.98	36.01	38.45	54.00	15.55	Average
2486.627	45.22	27.50	2.98	36.00	39.70	54.00	14.30	Average

Mode: 11g CH2412MHz

With Antenna1

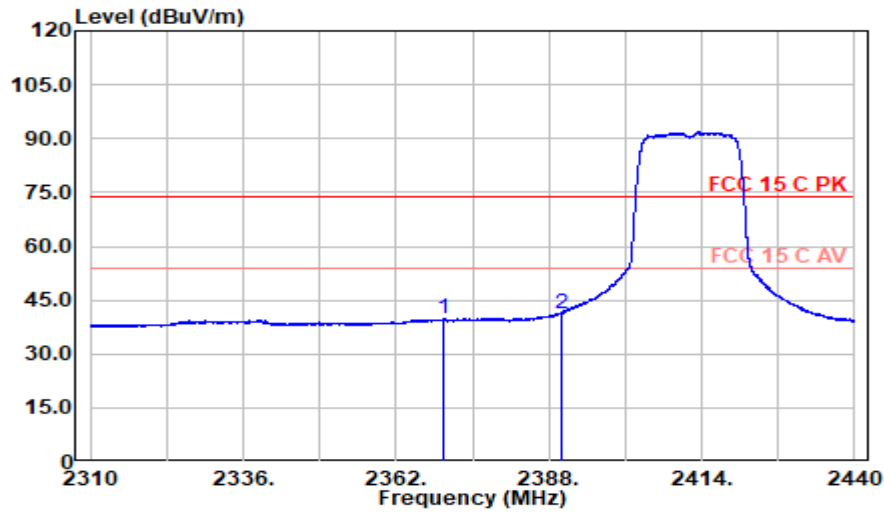


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μ V)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μ V/m)	Limits dB (μ V/m)	Margin (dB)	Remark
2361.63	57.26	27.80	2.92	36.17	51.82	74.00	22.18	Peak
2390.00	59.77	27.80	2.94	36.13	54.38	74.00	19.62	Peak

Mode: 11g CH2412MHz

With Antenna1

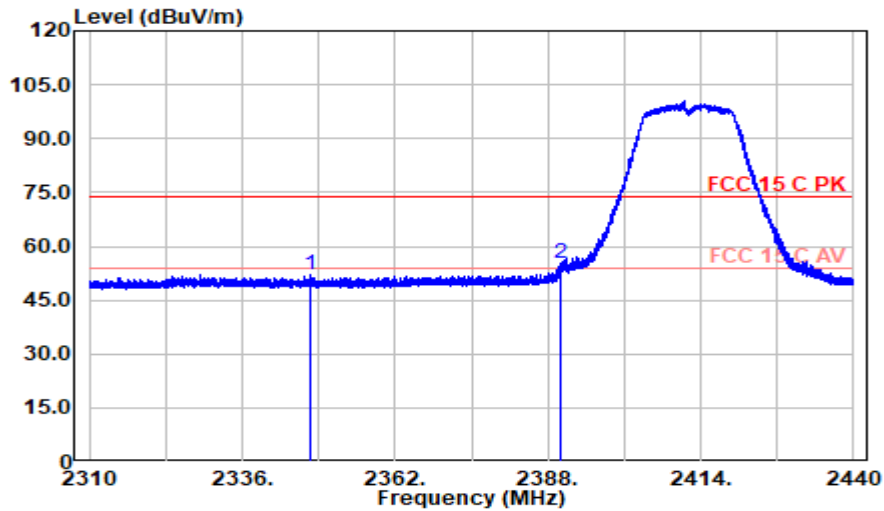


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μ V)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μ V/m)	Limits dB (μ V/m)	Margin (dB)	Remark
2369.93	45.16	27.80	2.93	36.16	39.73	54.00	14.27	Average
2390.00	46.80	27.80	2.94	36.13	41.41	54.00	12.59	Average

Mode: 11g CH2412MHz

With Antenna1

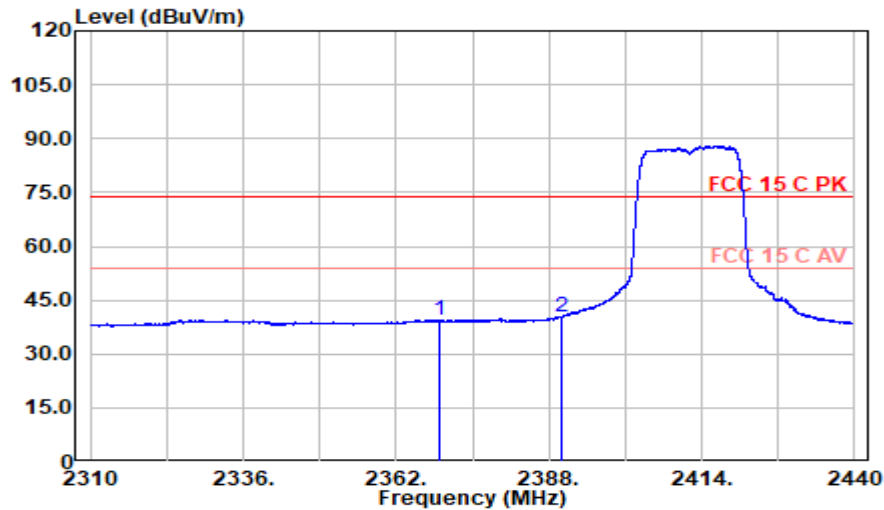


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2347.70	57.70	27.78	2.91	36.19	52.21	74.00	21.79	Peak
2390.00	60.46	27.80	2.94	36.13	55.07	74.00	18.93	Peak

Mode: 11g CH2412MHz

With Antenna1

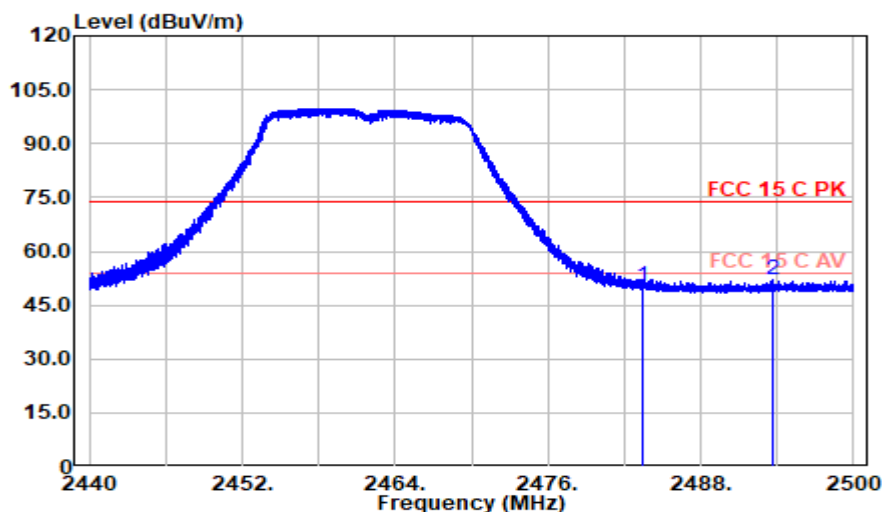


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2369.43	44.90	27.80	2.93	36.16	39.47	54.00	14.53	Average
2390.00	45.65	27.80	2.94	36.13	40.26	54.00	13.74	Average

Mode: 11g CH2462MHz

With Antenna1

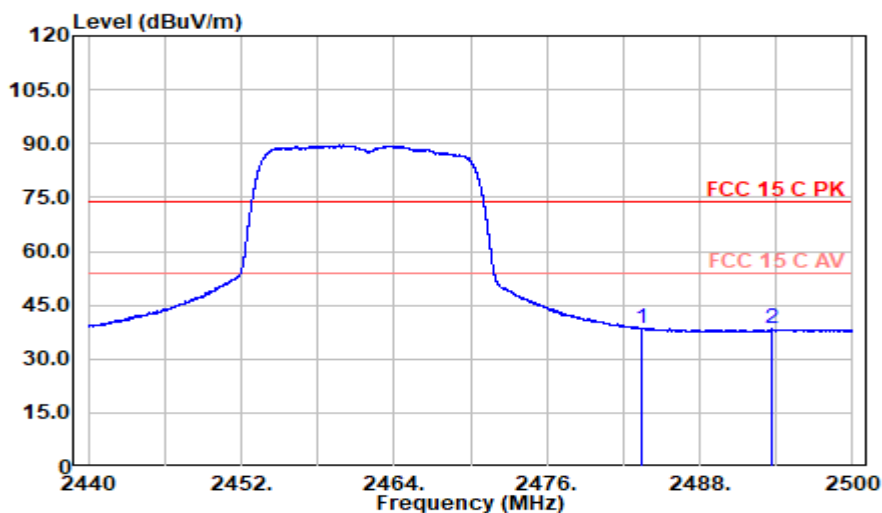


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	55.78	27.50	2.98	36.01	50.26	74.00	23.74	Peak
2493.63	57.57	27.50	2.99	35.99	52.06	74.00	21.94	Peak

Mode: 11g CH2462MHz

With Antenna1

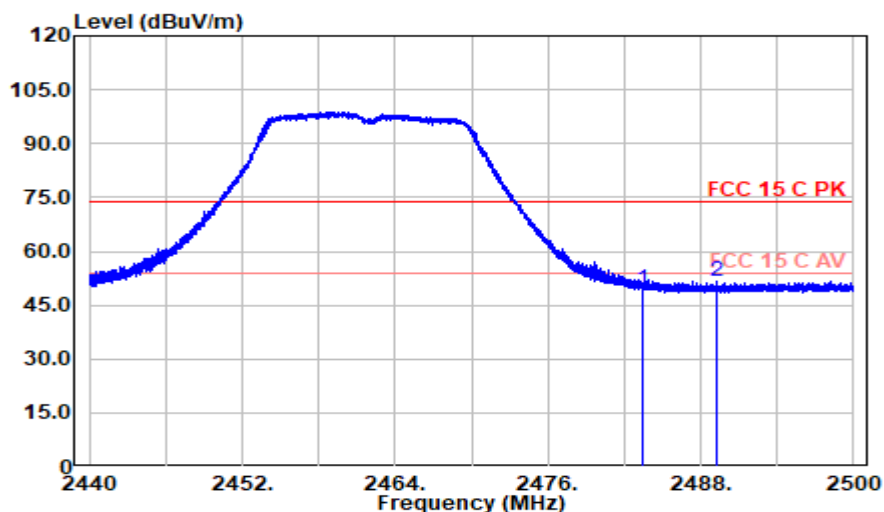


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	44.14	27.50	2.98	36.01	38.62	54.00	15.38	Average
2493.60	43.80	27.50	2.99	35.99	38.30	54.00	15.70	Average

Mode: 11g CH2462MHz

With Antenna1

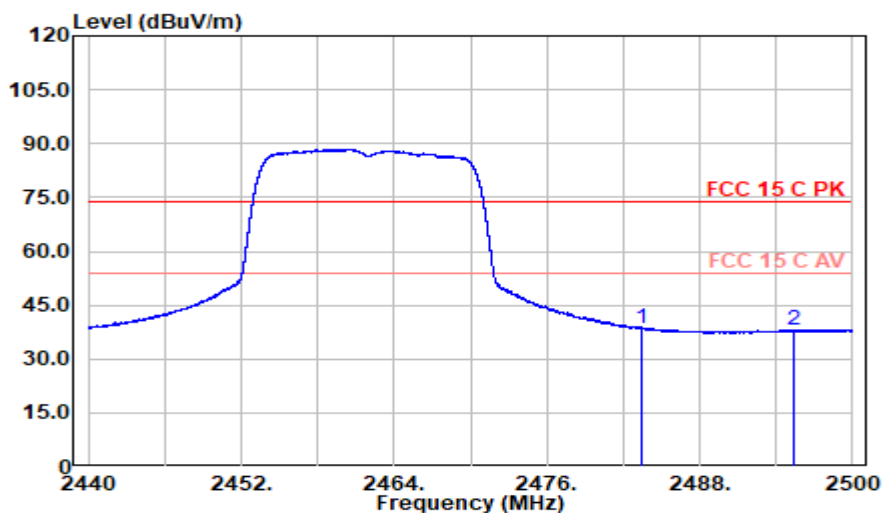


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	54.81	27.50	2.98	36.01	49.29	74.00	24.71	Peak
2489.26	57.16	27.50	2.98	36.00	51.65	74.00	22.35	Peak

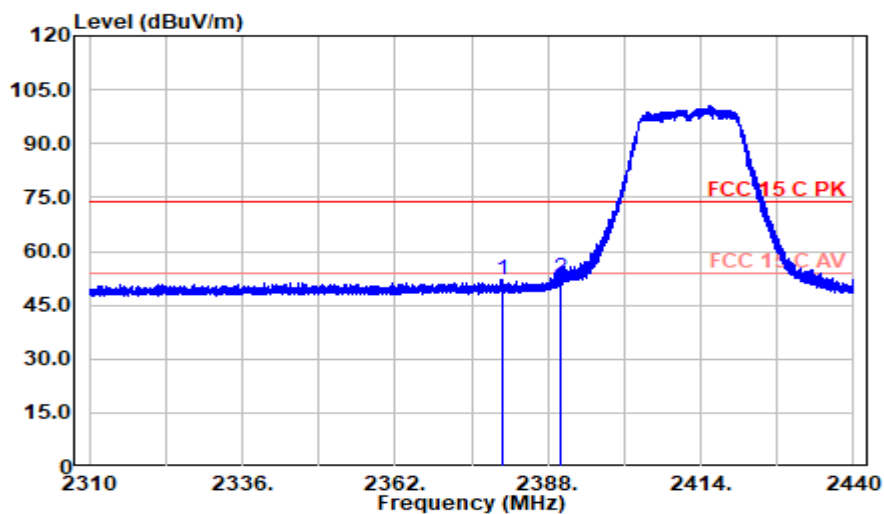
Mode: 11g CH2462MHz

With Antenna1



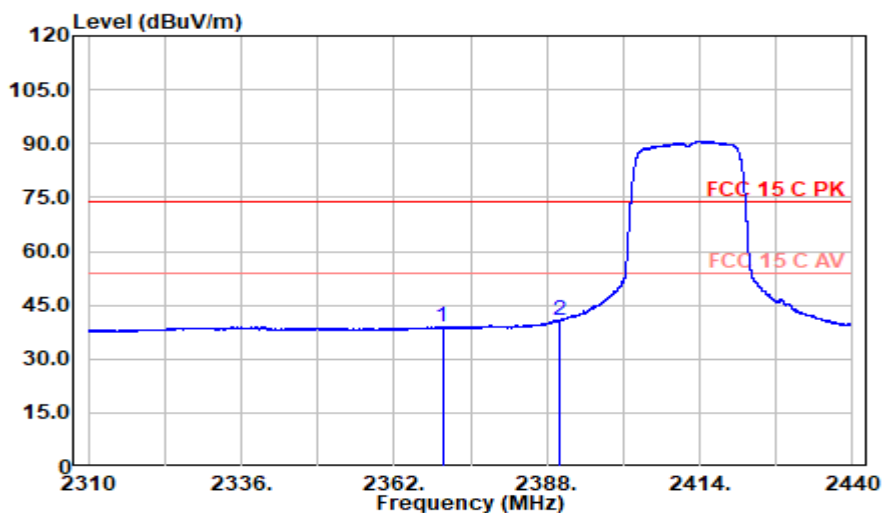
Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	43.93	27.50	2.98	36.01	38.41	54.00	15.59	Average
2495.42	43.63	27.50	2.99	35.99	38.13	54.00	15.87	Average

Mode: 11n CH2412MHz**With Antenna1**

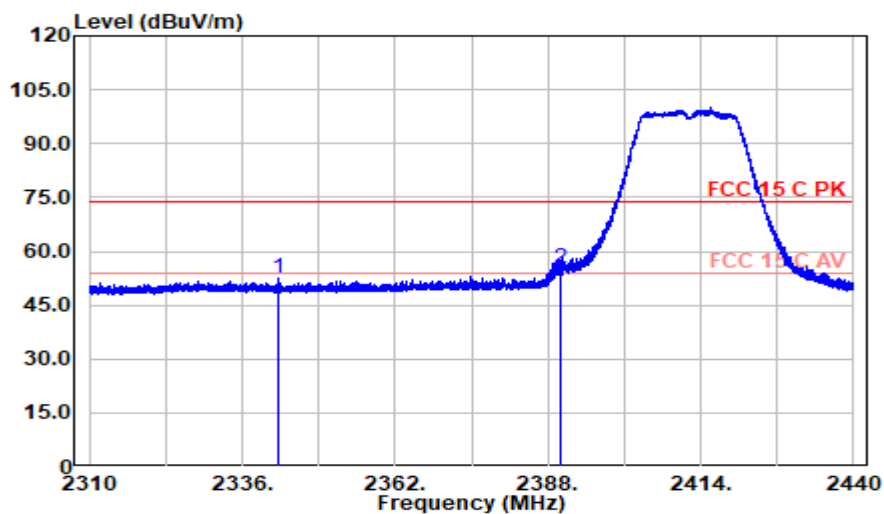
Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2380.44	57.42	27.80	2.93	36.14	52.00	74.00	22.00	Peak
2390.00	57.85	27.80	2.94	36.13	52.46	74.00	21.54	Peak

Mode: 11n CH2412MHz**With Antenna1**

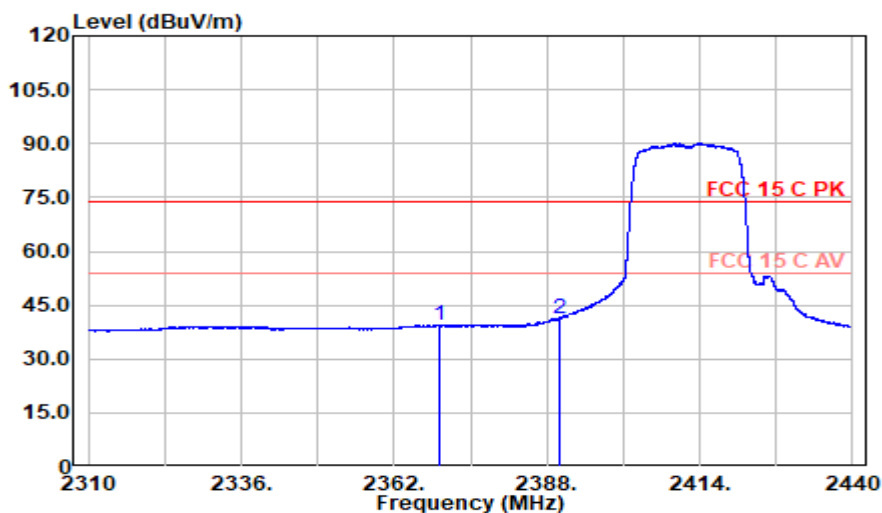
Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2370.24	44.43	27.80	2.93	36.16	39.00	54.00	15.00	Average
2390.00	46.20	27.80	2.94	36.13	40.81	54.00	13.19	Average

Mode: 11n CH2412MHz**With Antenna1**

Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μ V)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μ V/m)	Limits dB (μ V/m)	Margin (dB)	Remark
2342.16	58.22	27.74	2.91	36.19	52.68	74.00	21.32	Peak
2390.00	60.82	27.80	2.94	36.13	55.43	74.00	18.57	Peak

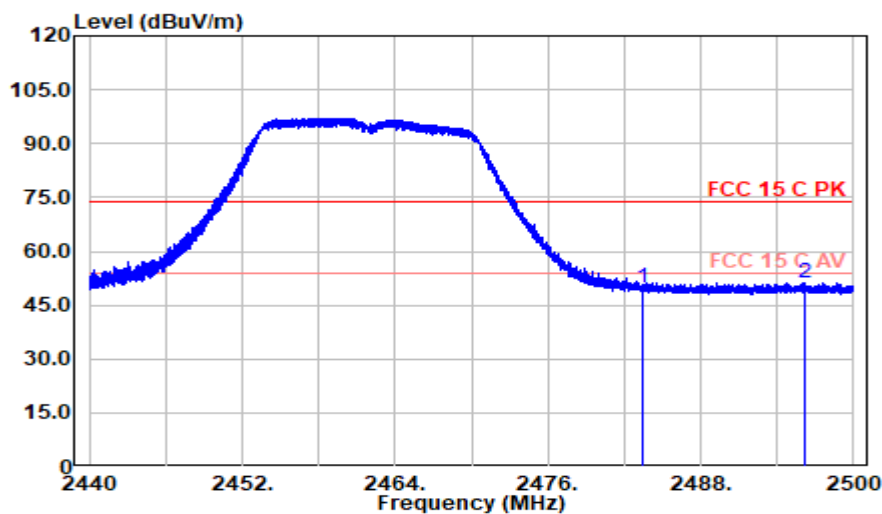
Mode: 11n CH2412MHz**With Antenna1**

Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μ V)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μ V/m)	Limits dB (μ V/m)	Margin (dB)	Remark
2369.88	45.02	27.80	2.93	36.16	39.59	54.00	14.41	Average
2390.00	46.60	27.80	2.94	36.13	41.21	54.00	12.79	Average

Mode: 11n CH2462MHz

With Antenna1

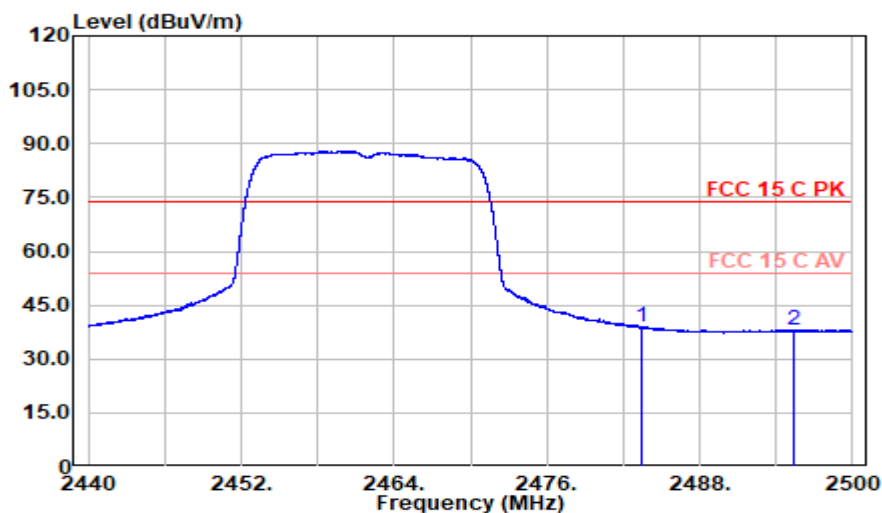


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	55.49	27.50	2.98	36.01	49.97	74.00	24.03	Peak
2496.15	56.77	27.50	2.99	35.99	51.27	74.00	22.73	Peak

Mode: 11n CH2462MHz

With Antenna1

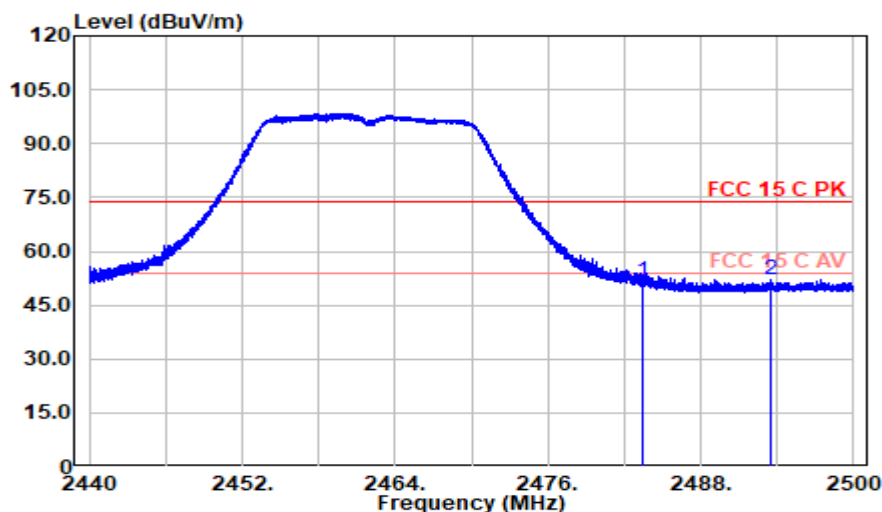


Polarization at Horizontal

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	44.42	27.50	2.98	36.01	38.90	54.00	15.10	Average
2495.32	43.56	27.50	2.99	35.99	38.06	54.00	15.94	Average

Mode: 11n CH2462MHz

With Antenna1

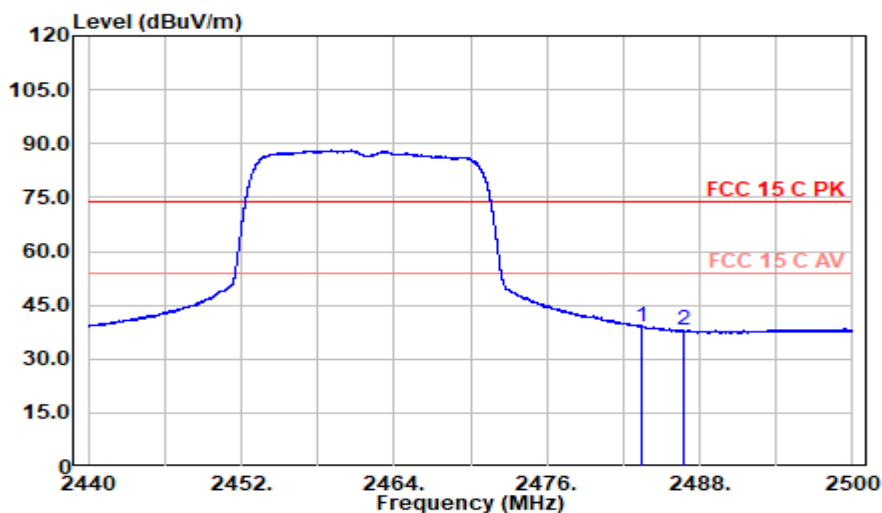


Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	57.02	27.50	2.98	36.01	51.49	74.00	22.51	Peak
2493.51	57.76	27.50	2.99	35.99	52.25	74.00	21.75	Peak

Mode: 11n CH2462MHz

With Antenna1



Polarization at Vertical

Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)	Remark
2483.50	44.60	27.50	2.98	36.01	39.08	54.00	14.92	Average
2486.67	43.52	27.50	2.98	36.00	38.00	54.00	16.00	Average

5 99% OCCUPIED BANDWIDTH MEASUREMENT

5.1 Test Equipment

The following test equipment was used during the Emission Bandwidth measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9010A	MY52221182	2025.08.09	1 Year
2.	RF Cable	Mini-Circuits	FLC-3FT-SM SM+	22022838	2025.08.09	1 Year
3.	20 dB Attenuator	Mini-Circuits	BW-S20W2+	2172	2026.02.24	1 Year

5.2 Block Diagram of Test Setup



5.3 Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one.

5.4 Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of 99% power bandwidth was measure by spectrum analyzer with settings: Span = between 1.5 times and 5.0 times of the OBW, RBW = 1% to 5% of the OBW, VBW $\geq 3 \times$ RBW, Detector = Peak, Trace = Max Hold. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

The test procedure is defined in ANSI C63.10:2020 (the 6.9.3 Measurement Procedure “Occupied bandwidth—power bandwidth (99%) measurement procedure” was used).

5.5 Test Results

PASSED.

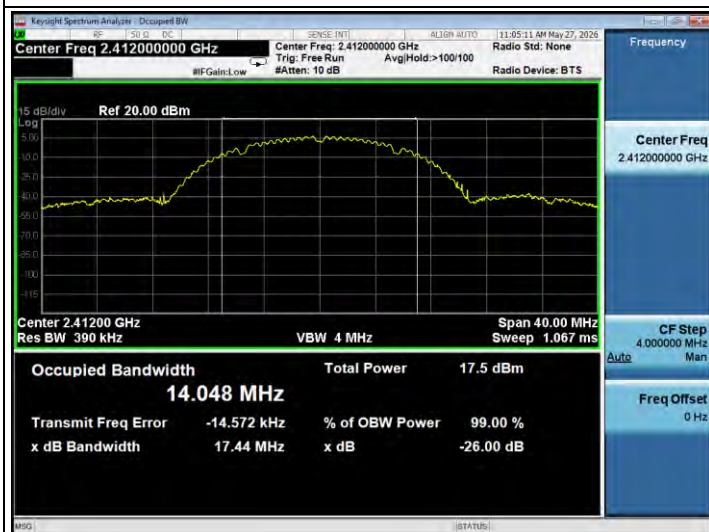
All the test results are attached in next pages.

(Test Date: 2026.05.27 Temperature: 23°C Humidity: 51 %)

Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)
802.11b	1	2412	14.048
	6	2437	14.006
	11	2462	14.02
802.11g	1	2412	17.346
	6	2437	17.537
	11	2462	17.373
802.11n20	1	2412	18.189
	6	2437	18.294
	11	2462	18.255

802.11b

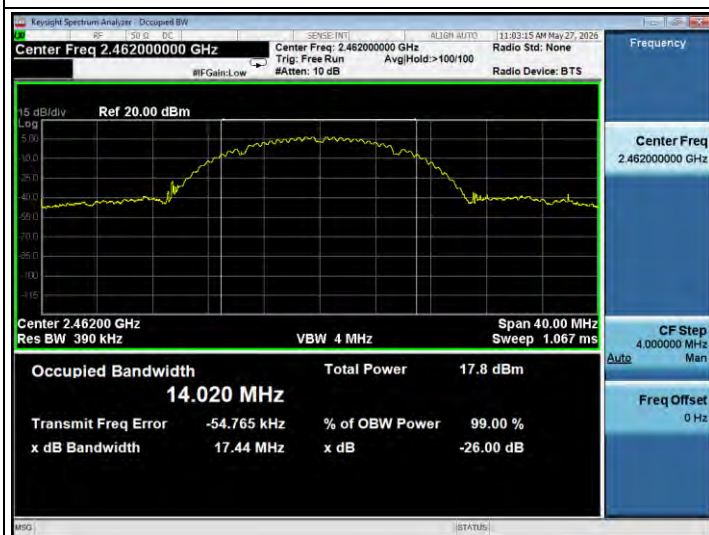
CH2412



CH2437



CH2462



802.11g

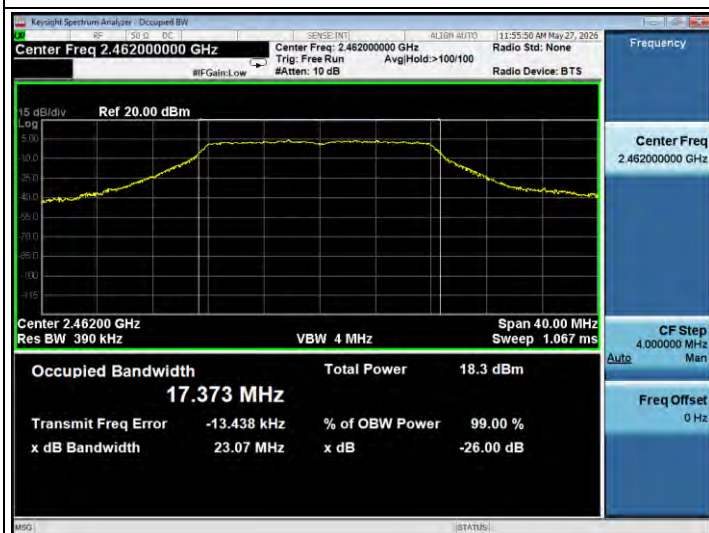
CH2412



CH2437

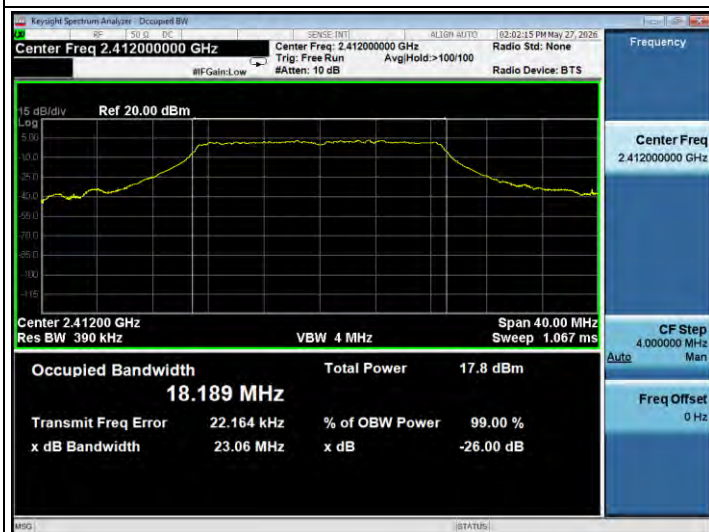


CH2462

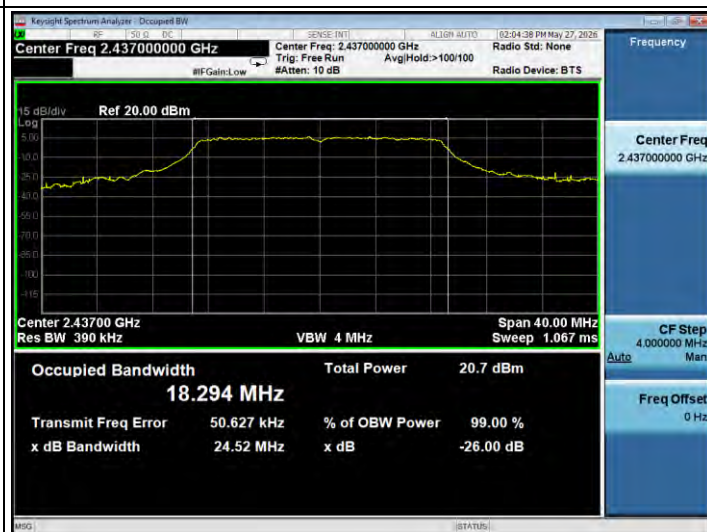


802.11n20

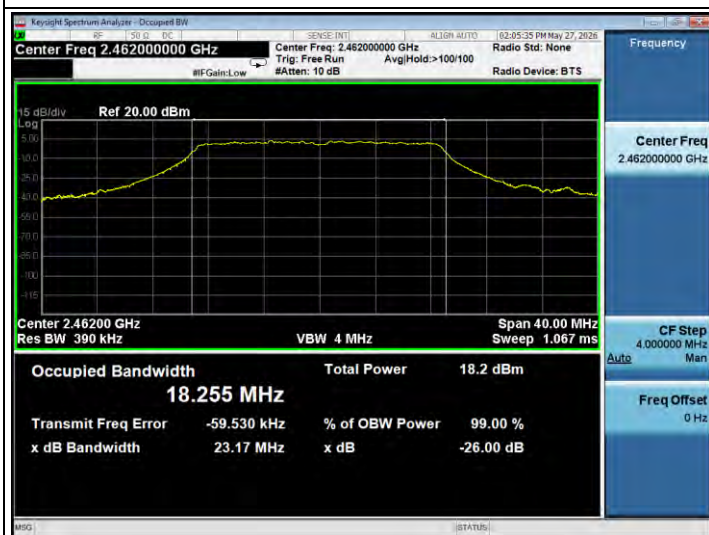
CH2412



CH2437



CH2462



6 6 dB BANDWIDTH MEASUREMENT

6.1 Test Equipment

The Same as Section. 5.1.

6.2 Block Diagram of Test Setup

The Same as Section. 5.2.

6.3 Specification Limits (§15.247(a)(2))

The minimum 6 dB bandwidth shall be at least 500 kHz.

6.4 Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one.

6.5 Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with settings: RBW = 100kHz, VBW $\geq 3 \times$ RBW.

The 6 dB bandwidth is defined as the total spectrum the power of which is lower than peak power minus 6 dB .

The test procedure is defined in ANSI C63.10:2020 (the 11.8.2 Measurement Procedure “Option 2” was used).

6.6 Test Results

PASSED.

All the test results are attached in next pages.

(Test Date: 2026.05.27 Temperature: 23°C Humidity: 51 %)

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit
802.11b	1	2412	9.09	500 kHz
	6	2437	9.087	500 kHz
	11	2462	9.089	500 kHz
802.11g	1	2412	16.35	500 kHz
	6	2437	16.34	500 kHz
	11	2462	16.34	500 kHz
802.11n20	1	2412	17.55	500 kHz
	6	2437	16.94	500 kHz
	11	2462	17.56	500 kHz

802.11b

CH2412



CH2437



CH2462



802.11g

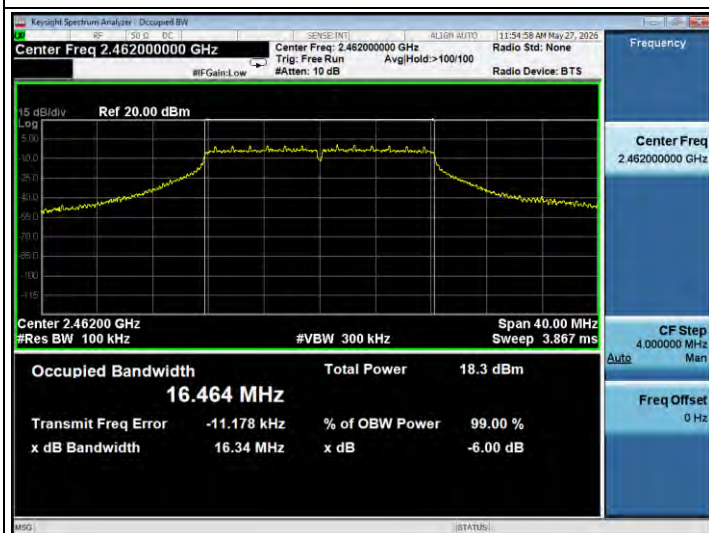
CH2412



CH2437



CH2462



802.11n20

CH2412



CH2437



CH2462



7 MAXIMUM OUTPUT POWER MEASUREMENT

7.1 Test Equipment

The Same as Section. 5.1.

7.2 Block Diagram of Test Setup

The Same as Section. 5.2.

7.3 Specification Limits ((§15.247(b)(3))

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5 MHz is: 1 Watt. (30 dBm)

7.4 Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one.

7.5 Test Procedure

The transmitter output was connected to the spectrum analyzer.

Method AVGSA-2 uses trace averaging across ON and OFF times of the EUT transmissions, followed by duty cycle correction.

The procedure for this method is as follows:

- a) Measure the duty cycle D of the transmitter output signal.
- b) Set span to at least 1.5 times the OBW.
- c) Set RBW = 1% to 5% of the OBW, not to exceed 1 MHz.
- d) Set VBW $\geq [3 \times \text{RBW}]$.
- e) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- f) Sweep time = auto.
- g) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- h) Do not use sweep triggering. Allow the sweep to “free run.”
- i) Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.
- j) Compute power by integrating the spectrum across the OBW of the signal using the instrument’s band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
- k) Add $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the ON and OFF times of the transmission). For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is 25%.

The test procedure is defined in ANSI C63.10-2020 (11.9.2.2.4 Measurement Procedure “ Method AVGSA-2” was used).

7.6 Test Results

PASSED.

All the test results are listed below.

(Test Date: 2026.05.27 Temperature: 23°C Humidity: 51 %)

Mode	Channel	Frequency (MHz)	Average conducted (average) Output Power (dBm)	Correct Factor (dB)	Maximum conducted (average) Output Power (dBm)	Limit (dBm)
802.11b	1	2412	14.37	0.05	14.42	30
	6	2437	14.63	0.05	14.68	30
	11	2462	14.64	0.05	14.69	30
802.11g	1	2412	11.38	0.27	11.65	30
	6	2437	14.4	0.27	14.67	30
	11	2462	11.08	0.27	11.35	30
802.11n20	1	2412	10.04	0.28	10.32	30
	6	2437	13.19	0.28	13.47	30
	11	2462	10.63	0.28	10.91	30

Note1: Maximum conducted (average) Output Power = Average conducted (average) Output Power + Correct Factor.

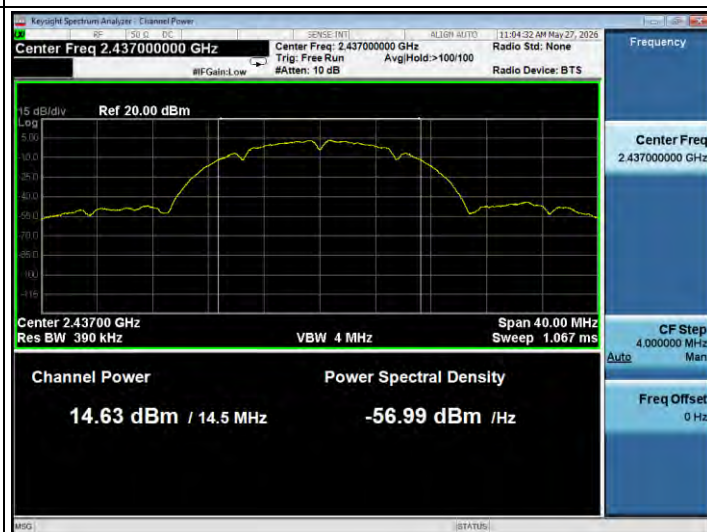
Note2: The Correct Factor = $10\log(1/D)$, that was shows on section 2.4.

802.11b

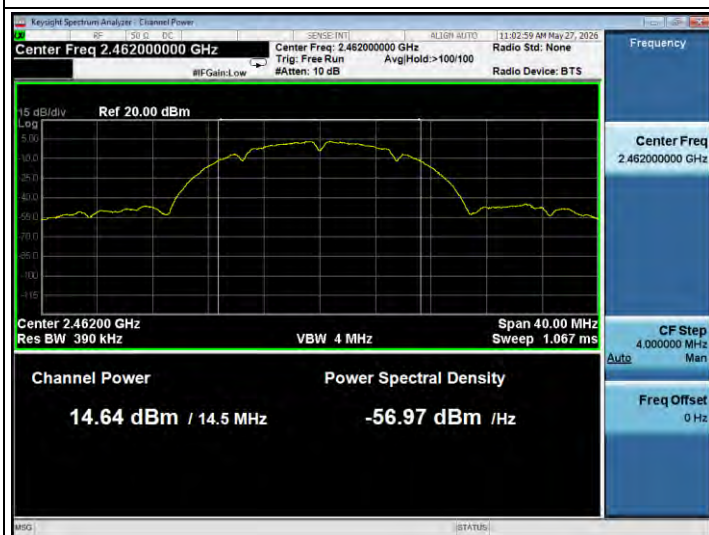
CH2412



CH2437

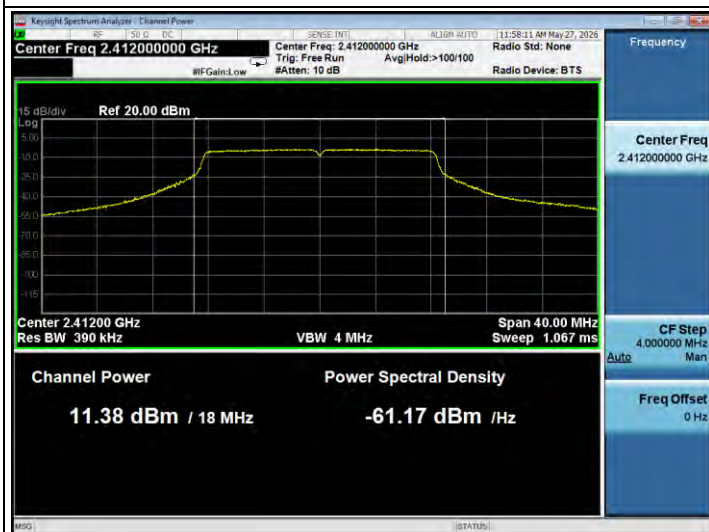


CH2462

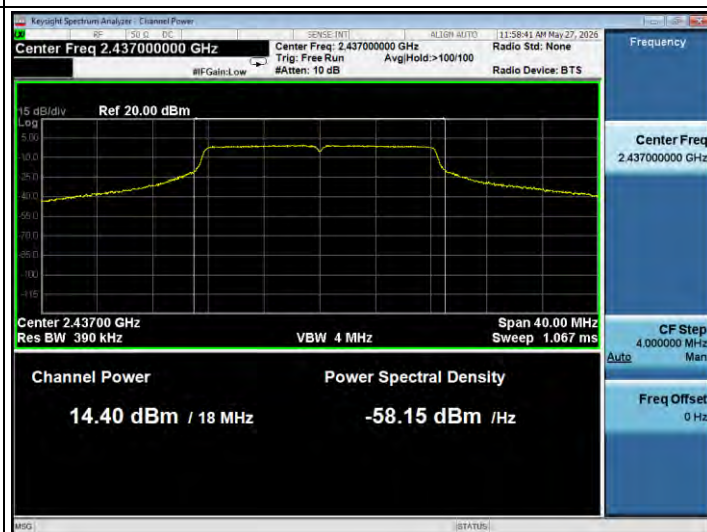


802.11g

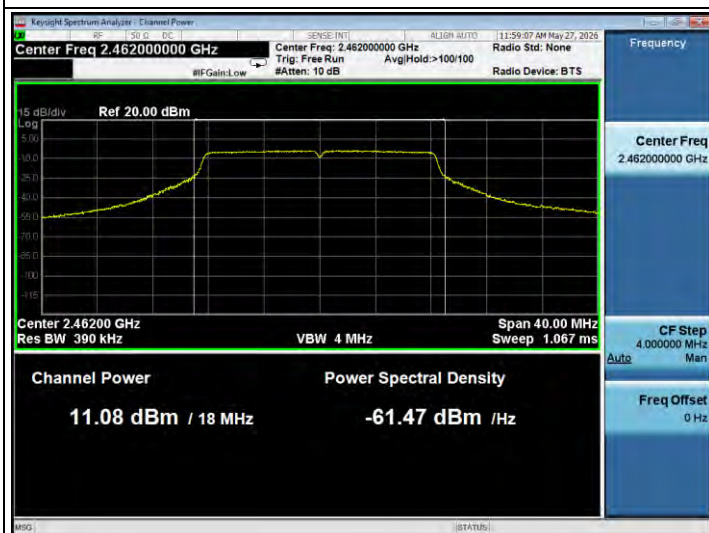
CH2412



CH2437

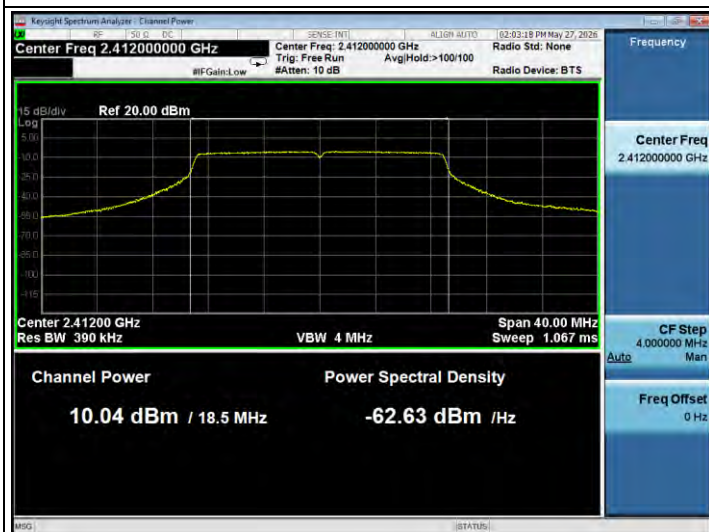


CH2462

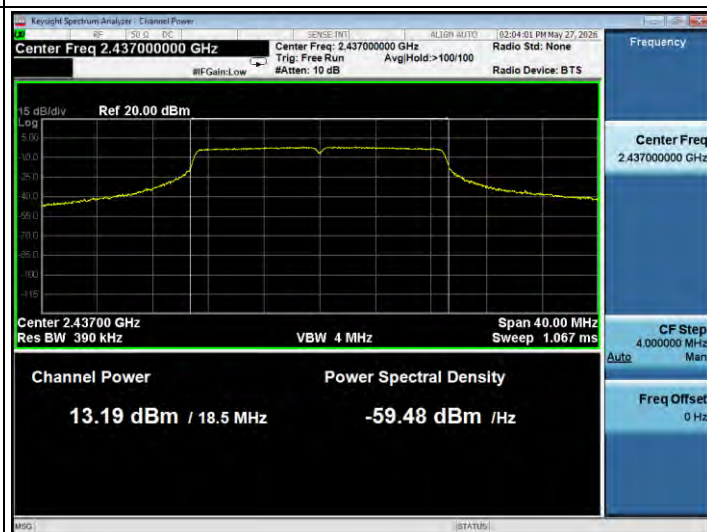


802.11n20

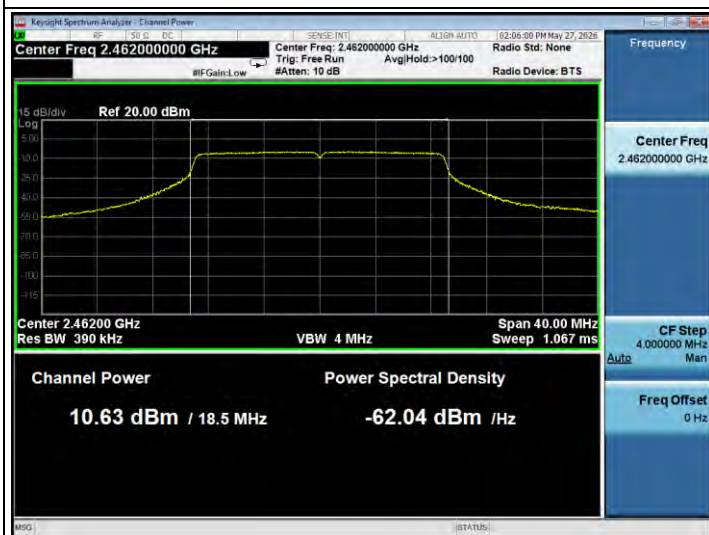
CH2412



CH2437



CH2462



8 EMISSION LIMITATIONS MEASUREMENT

8.1 Test Equipment

The Same as Section. 5.1.

8.2 Block Diagram of Test Setup

The Same as Section. 5.2.

8.3 Specification Limits (§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.

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)). (※ This test result attaching to Section. 3.7)

8.4 Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one.

8.5 Test Procedure

The transmitter output was connected to the spectrum analyzer.

Establish a reference level by using the following procedure:

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

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

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.

- c) Set the VBW $\geq [3 \times \text{RBW}]$.
 - d) Detector = peak.
 - e) Sweep time = auto couple.
 - f) Trace mode = max hold.
 - g) Allow trace to fully stabilize.
 - h) Use the peak marker function to determine the maximum amplitude level.
- Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

Scan up through 10th harmonic.

The test procedure is defined in ANSI C63.10:2020 (11.11.2 Reference level measurement and 11.11.3 Emission level measurement was used).

8.6 Test Results

PASSED.

The test data was attached in the next pages.

(Test Date: 2026.05.27 Temperature: 23°C Humidity: 51 %)

Mode	Channel	Frequency (MHz)	Data Page
802.11b	1	2412	P91
	6	2437	P92
	11	2462	P93
802.11g	1	2412	P94
	6	2437	P95
	11	2462	P96
802.11n20	1	2412	P97
	6	2437	P98
	11	2462	P99

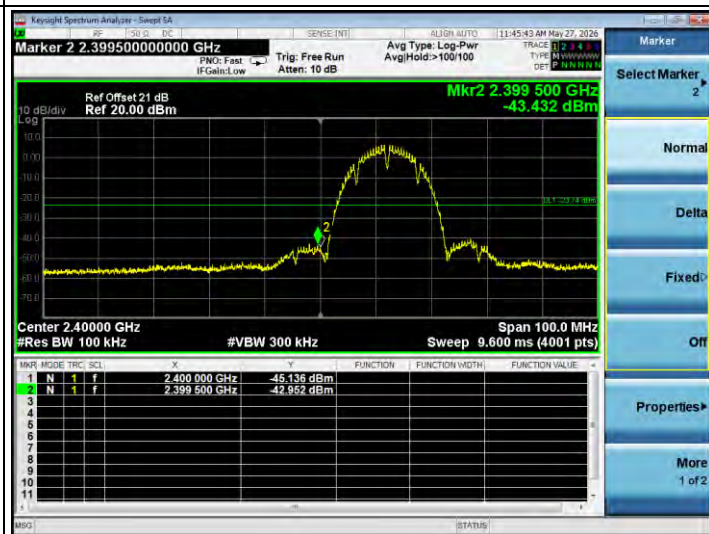
802.11b

CH2412

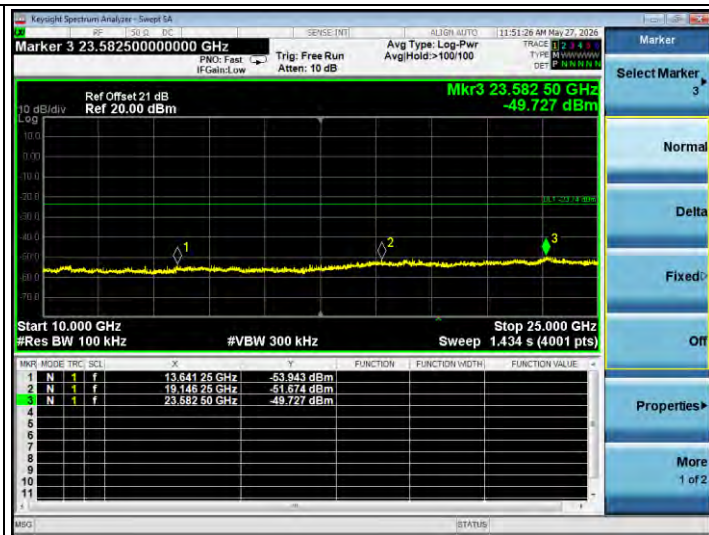
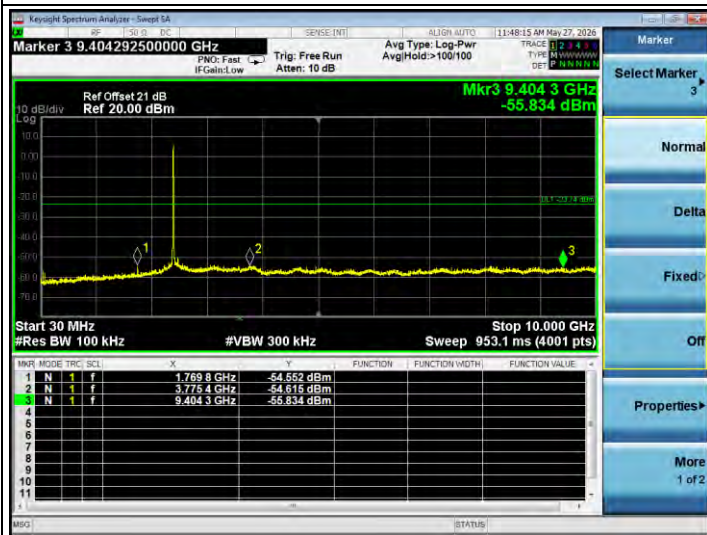
Reference Level



Lower Edge



Emission Level



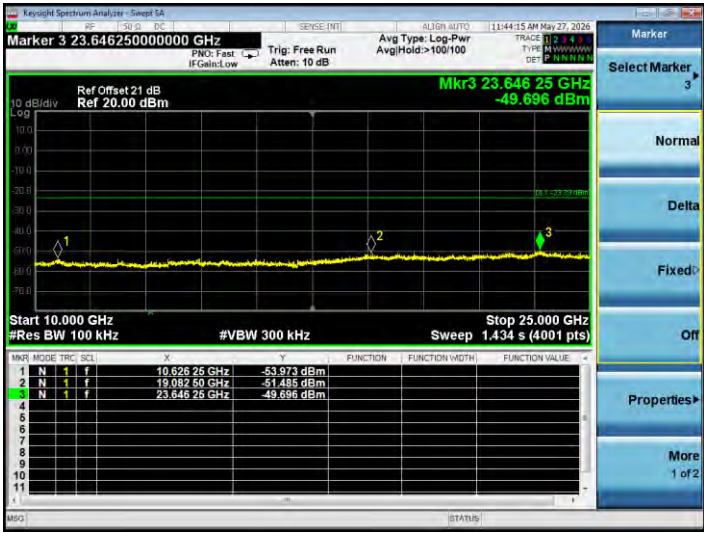
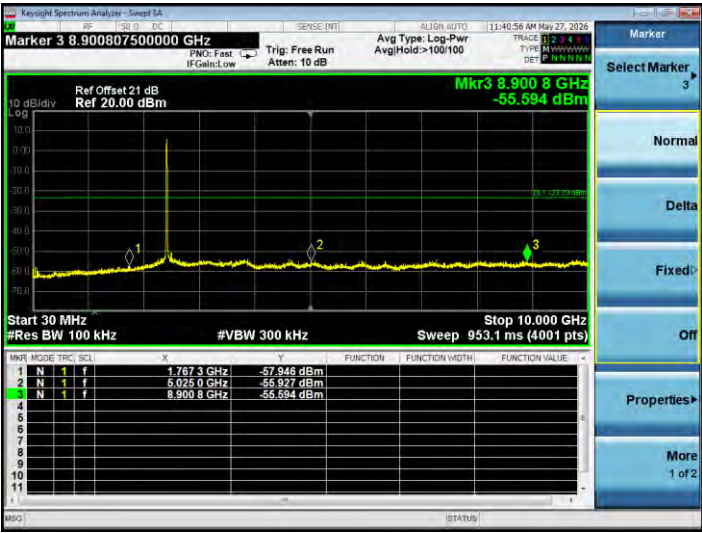
802.11b

CH2437

Reference Level



Emission Level



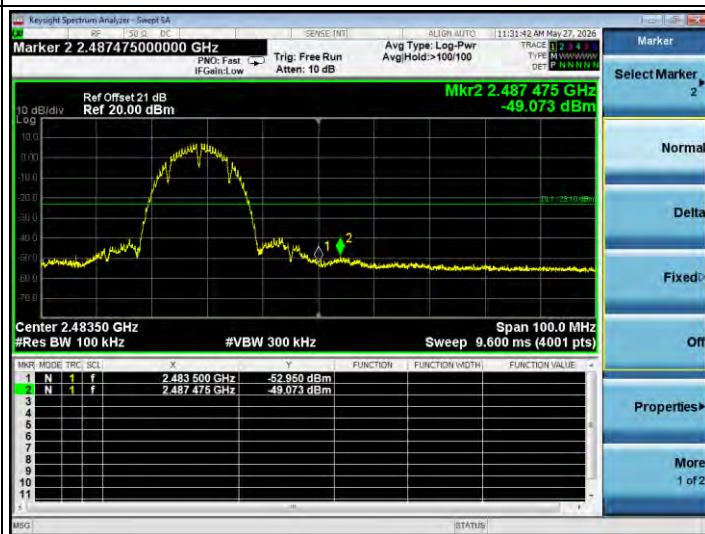
802.11b

CH2462

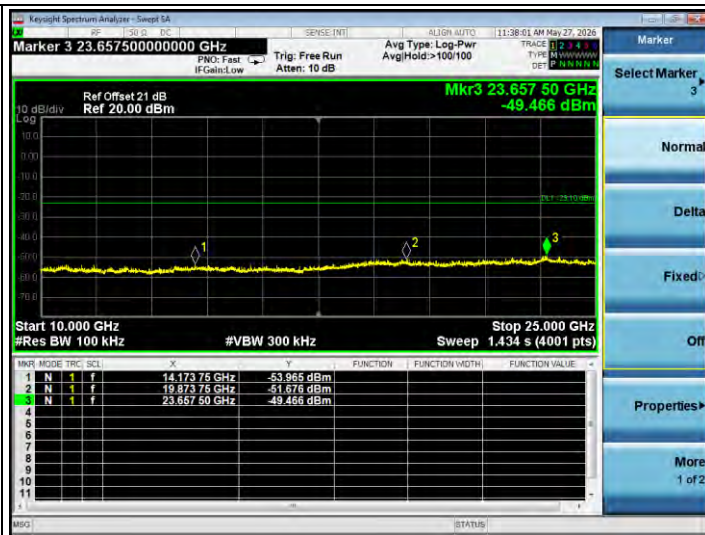
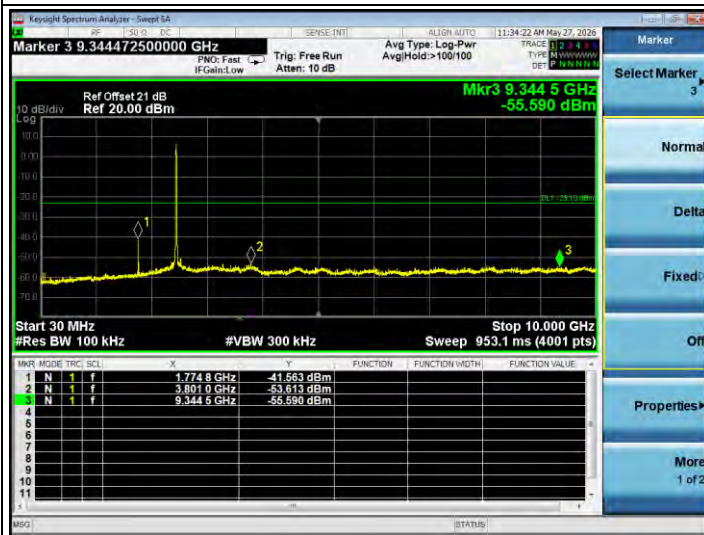
Reference Level



Higher Edge



Emission Level



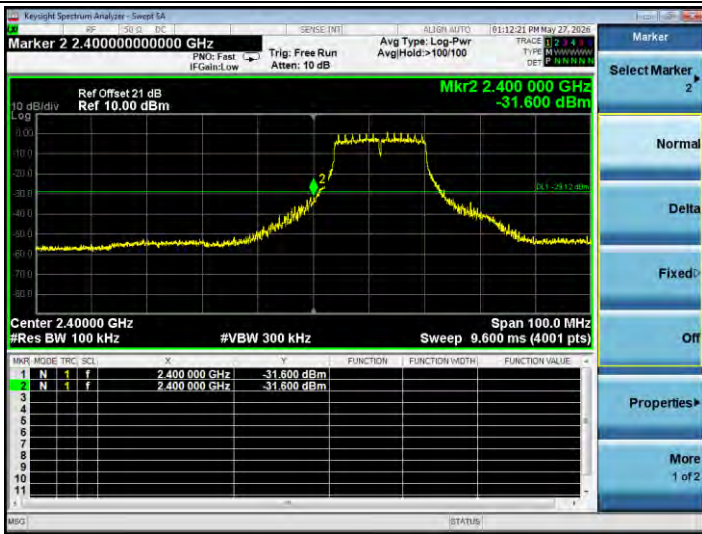
802.11g

CH2412

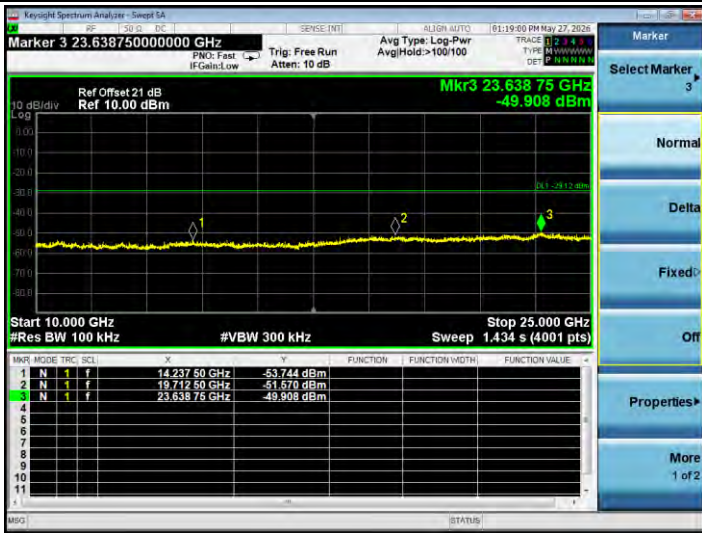
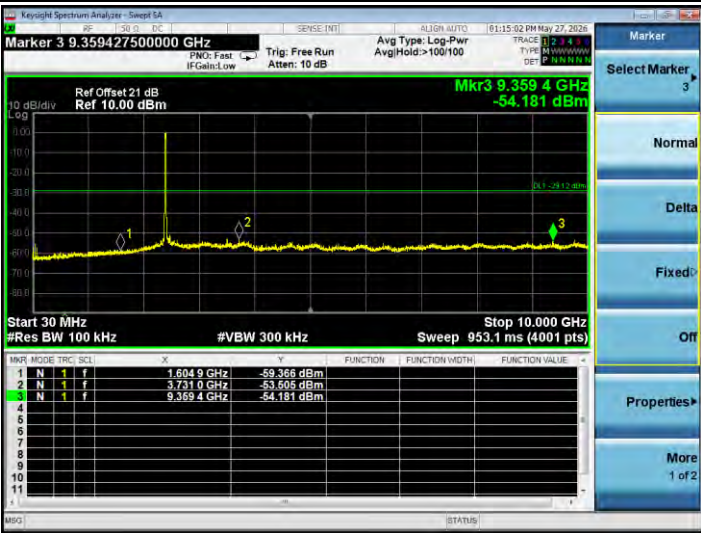
Reference Level



Lower Edge



Emission Level



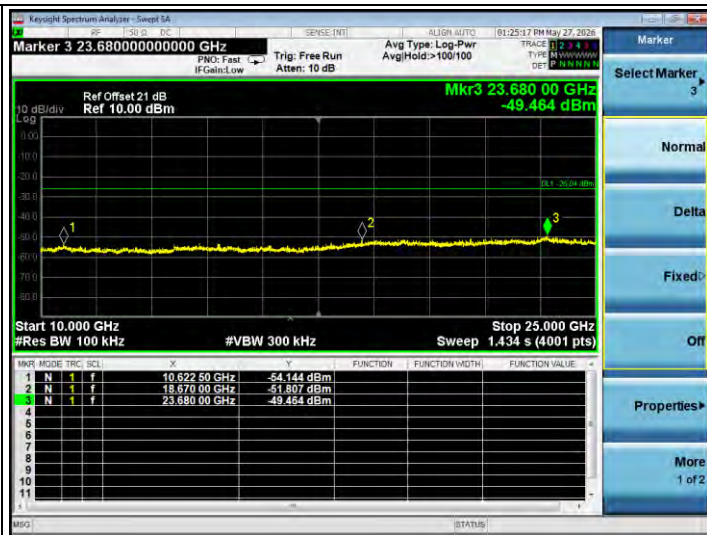
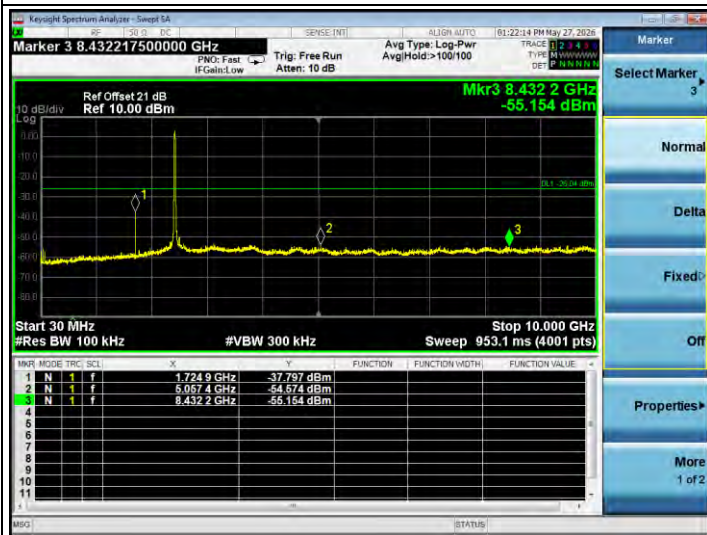
802.11g

CH2437

Reference Level



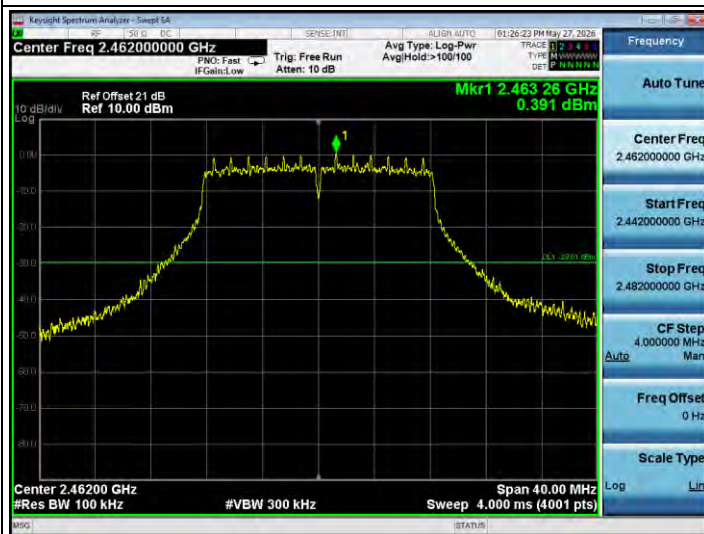
Emission Level



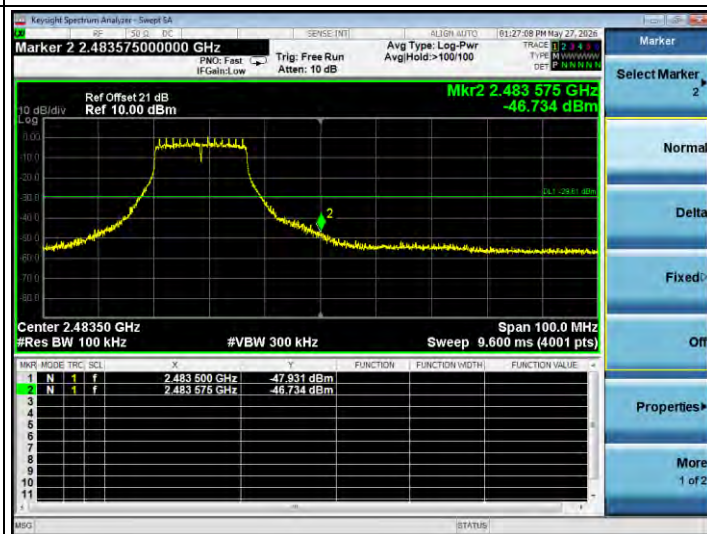
802.11g

CH2462

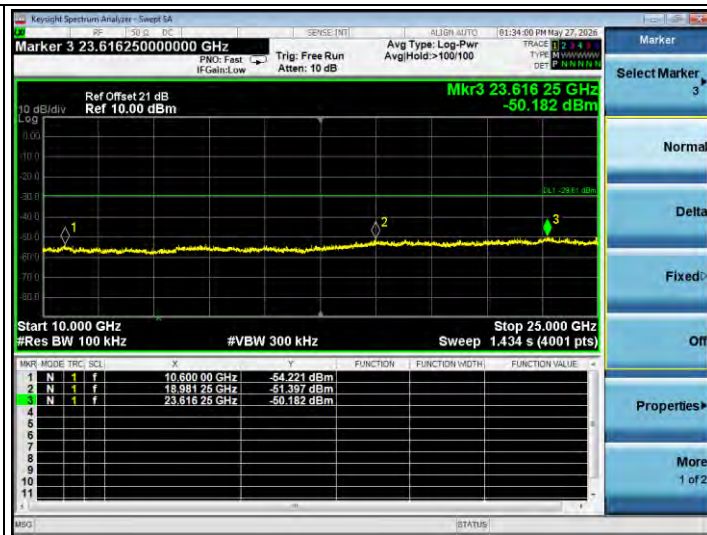
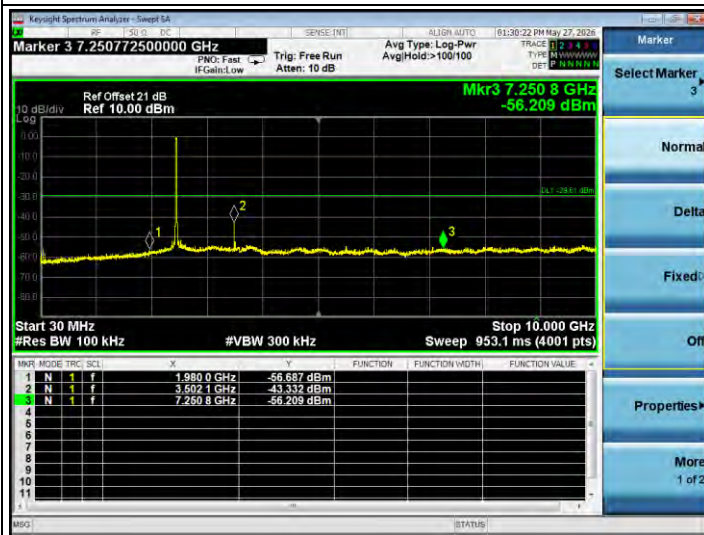
Reference Level



Higher Edge



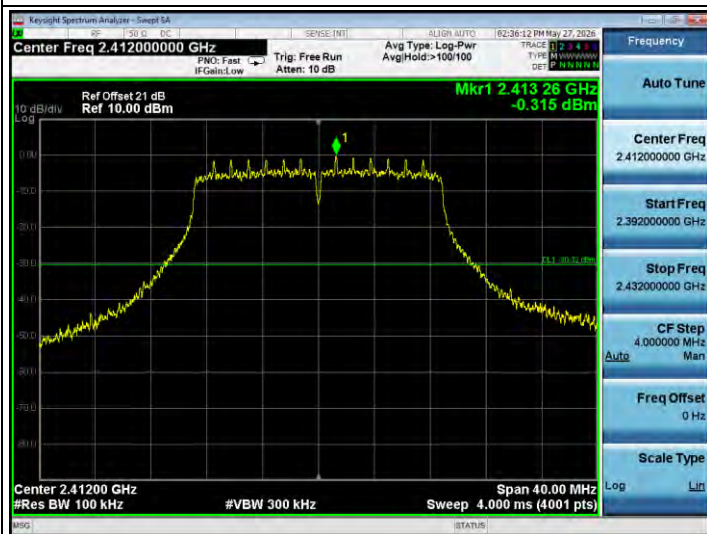
Emission Level



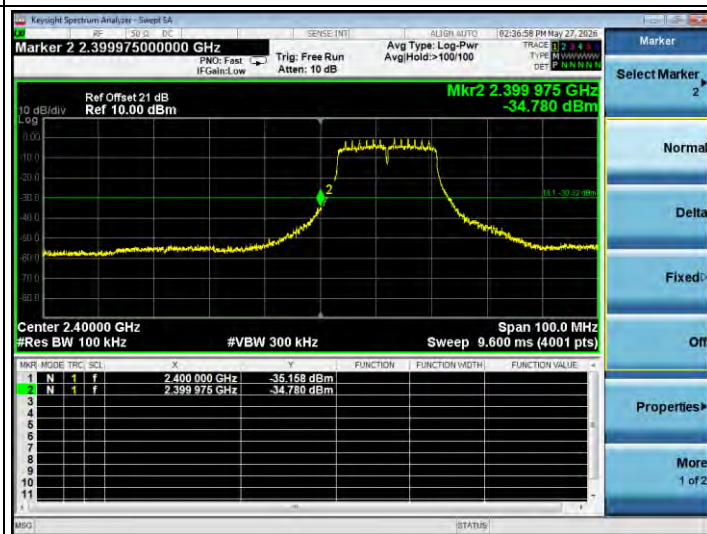
802.11n20

CH2412

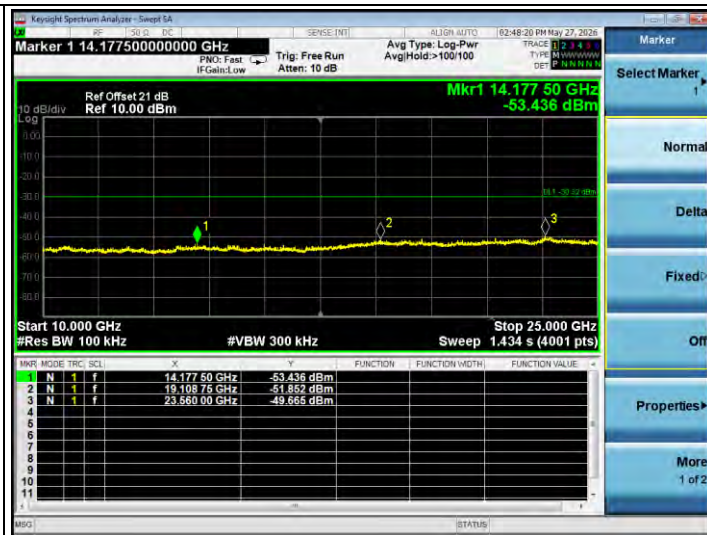
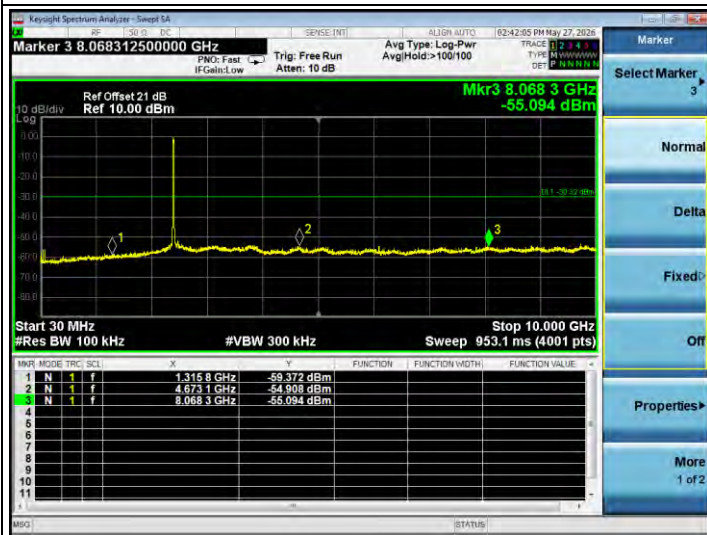
Reference Level



Lower Edge



Emission Level



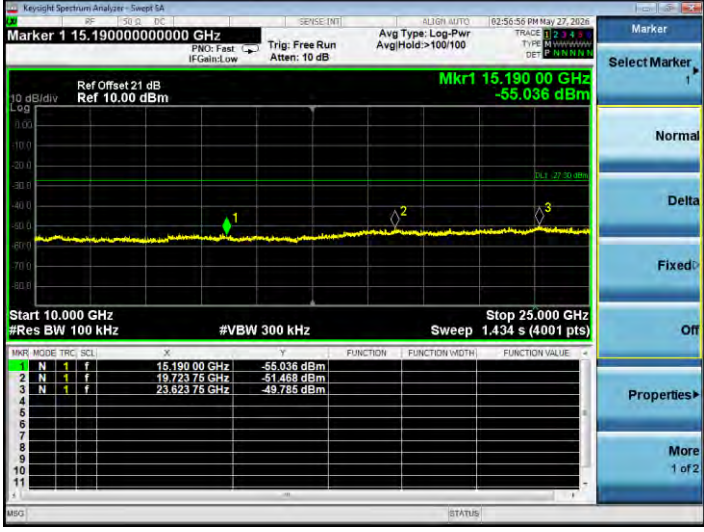
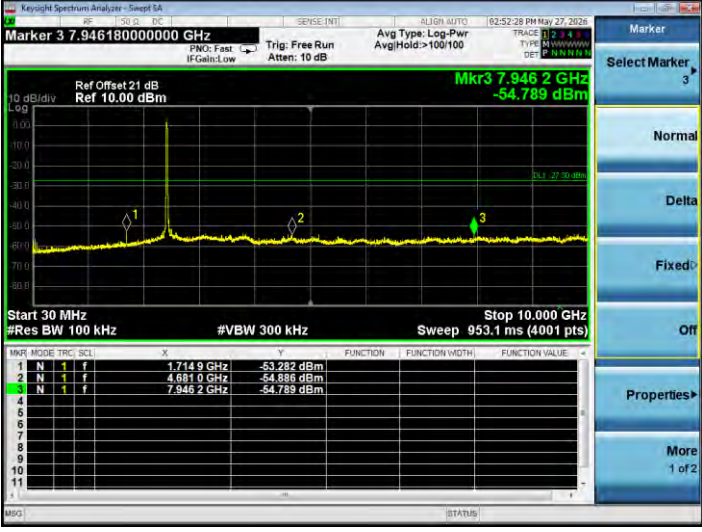
802.11n20

CH2437

Reference Level



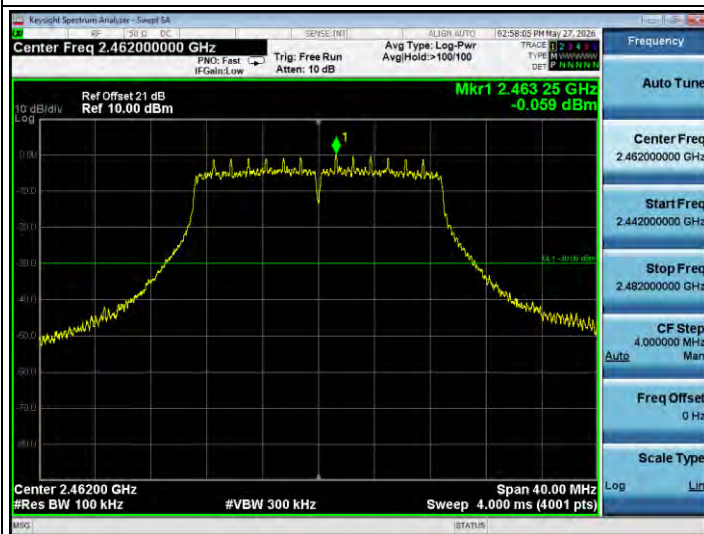
Emission Level



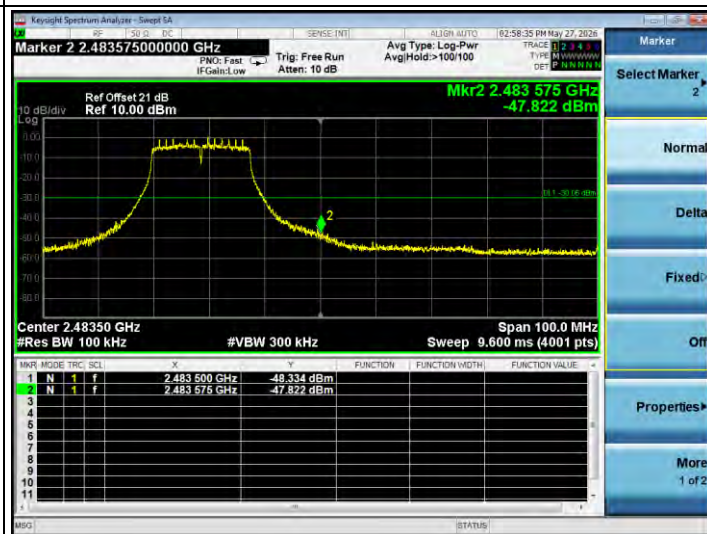
802.11n20

CH2462

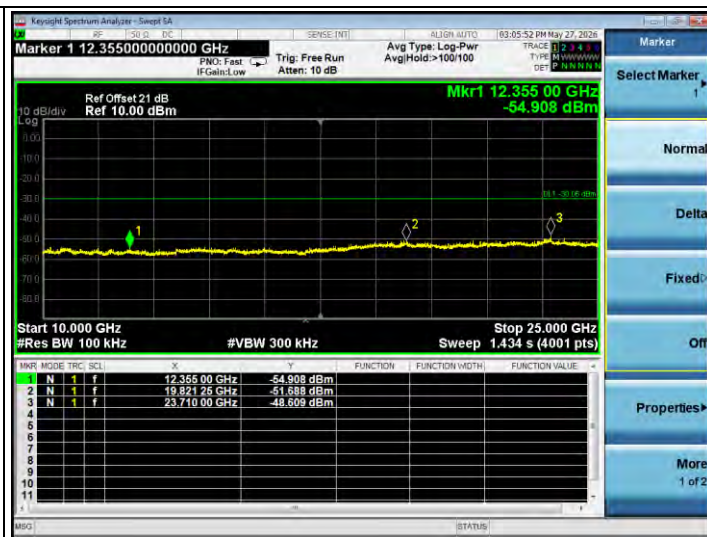
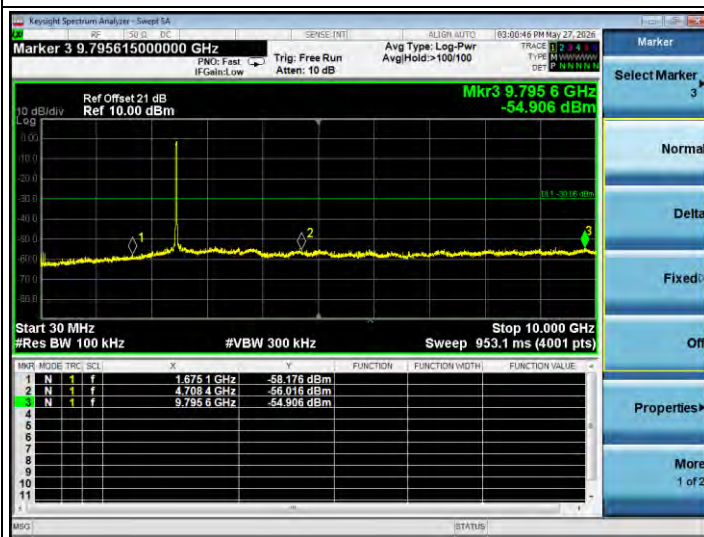
Reference Level



Higher Edge



Emission Level



9 POWER SPECTRAL DENSITY MEASUREMENT

9.1 Test Equipment

The Same as Section. 5.1.

9.2 Block Diagram of Test Setup

The Same as section 5.2.

9.3 Specification Limits (§15.247(e))

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band. The same method of determining the conducted output power shall be used to determine the power spectral density.

9.4 Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one.

9.5 Test Procedure

The transmitter output was connected to the spectrum analyzer.

Method AVGPS-2 uses trace averaging across ON and OFF times of the EUT transmissions, followed by duty cycle correction.

- a) Measure the duty cycle (D) of the transmitter output signal.
- b) Set analyzer center frequency to DTS channel center frequency.
- c) Set the span to at least 1.5 times the OBW.
- d) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- e) Set the VBW $\geq [3 \times \text{RBW}]$.
- f) Detector = power averaging (rms) or sample detector (when rms not available).
- g) Ensure that the number of measurement points in the sweep $\geq [2 \times \text{span} / \text{RBW}]$.
- h) Sweep time = auto couple.
- i) Do not use sweep triggering; allow sweep to “free run.”
- j) Employ trace averaging (rms) mode over a minimum of 100 traces.
- k) Use the peak marker function to determine the maximum amplitude level.
- l) Add $[10 \log (1 / D)]$, where D is the duty cycle measured in step a), to the measured PSD to compute the average PSD during the actual transmission time.
- m) If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

The test procedure is defined in ANSI C63.10-2020 (11.10.5 Measurement Procedure “Method AVGPS-2” was used).

9.6 Test Results

PASSED.

All the test results are attached in next pages.

(Test Date: 2026.05.27 Temperature: 23°C Humidity: 51 %)

Mode	Channel	Frequency (MHz)	Average Power Spectral Density (dBm/3kHz)	Correct Factor (dB)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	1	2412	-17.27	0.05	-17.22	8
	6	2437	-16.815	0.05	-16.765	8
	11	2462	-16.602	0.05	-16.552	8
802.11g	1	2412	-21.058	0.27	-20.788	8
	6	2437	-17.154	0.27	-16.884	8
	11	2462	-22.015	0.27	-21.745	8
802.11n20	1	2412	-21.761	0.28	-21.481	8
	6	2437	-18.111	0.28	-17.831	8
	11	2462	-21.987	0.28	-21.707	8

Note1: Power Spectral Density = Average Power Spectral Density + Correct Factor,

Note2: The correct factor = $10\log(1/D)$, that was shows on section 2.4.

802.11b

CH2412



CH2437

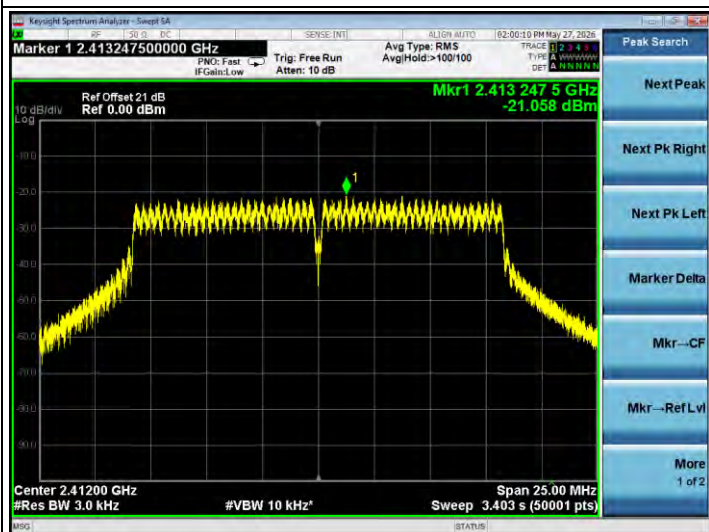


CH2462

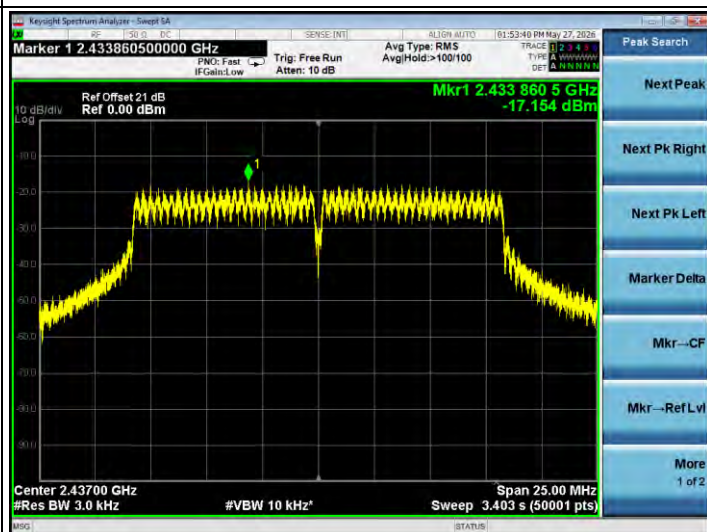


802.11g

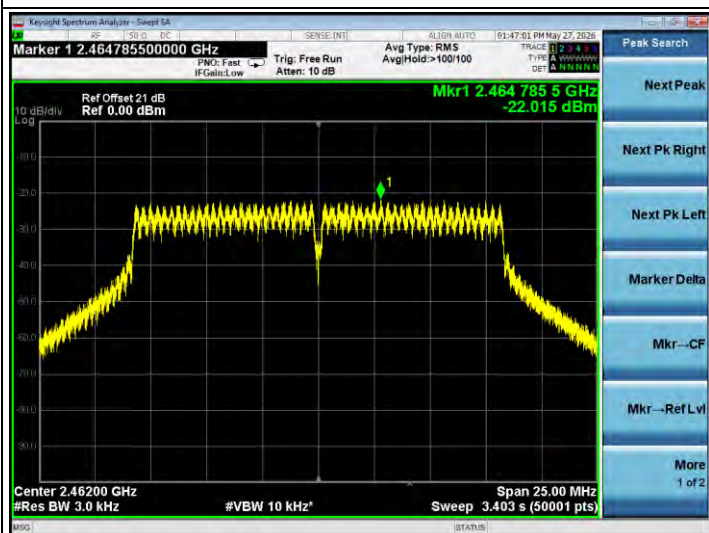
CH2412



CH2437

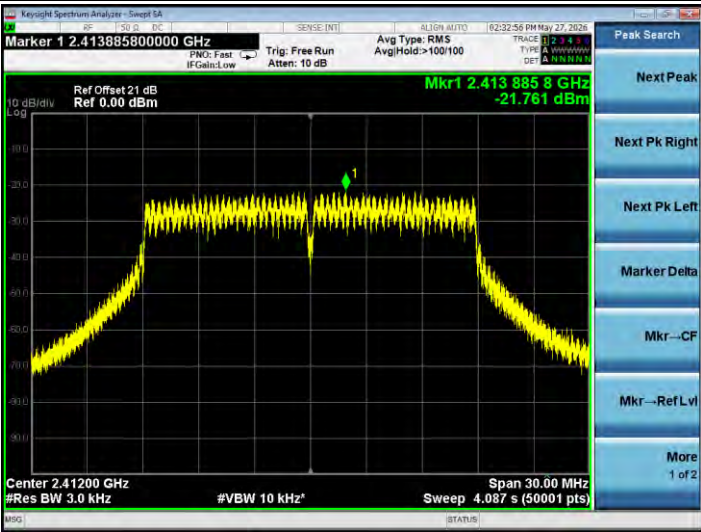


CH2462

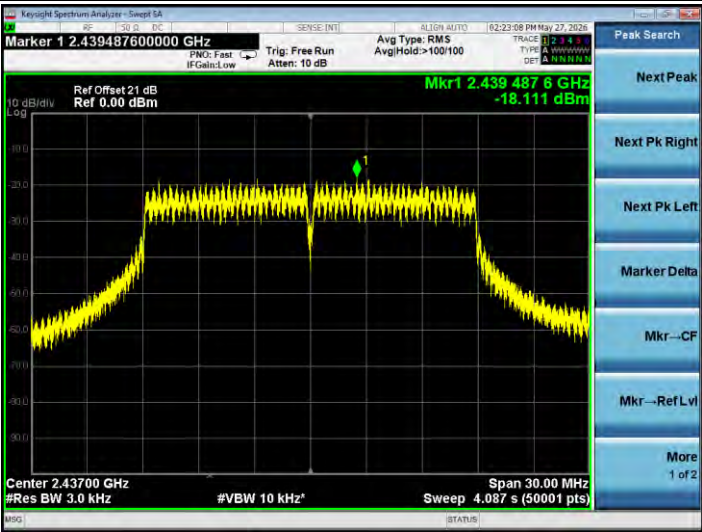


802.11n20

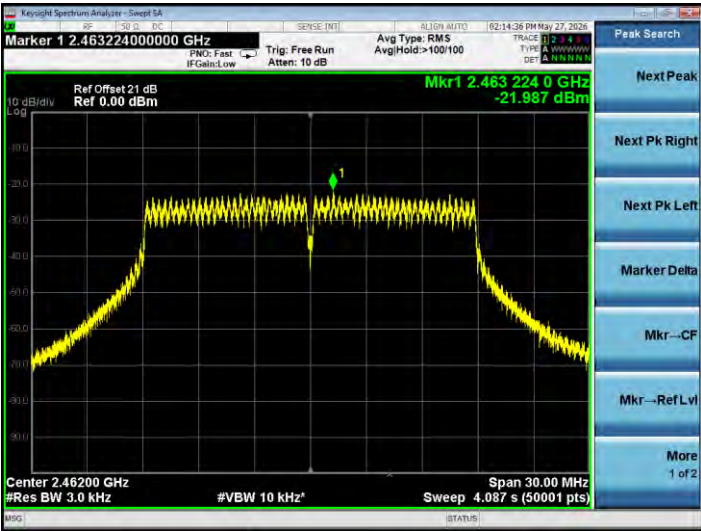
CH2412



CH2437



CH2462



10 ANTENNA REQUIREMENT

10.1 Specification Limits (§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.

10.2 Result

According to KDB 353028 D1, the following describes the three ways that can be used to demonstrate compliance to Section 15.203:

- a) Antenna permanently attached.
- b) Unique (non-standard) antenna connector.
- c) Professional installation.

For this product, the antenna is:

- ☐ Antenna permanently attached
- ☒ Unique (non-standard) antenna connector
- ☐ Professional installation
- ☐ not meet any of ways list above

that

- ☒ compliant
- ☐ not compliant

with the requirement of Section 15.203.

11 MEASUREMENT UNCERTAINTY LIST

The measurement uncertainty was estimated for test on the EUT according to CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage of K=2.

The uncertainties value is not used in determining the PASS/FAIL results.

Test Items/Facilities	Frequency/Equipment/Unit	Uncertainty
Conducted Emission No.1 Shielded Room	9kHz~150kHz	±3.1 dB
	150kHz~30MHz	±2.6 dB
Conducted Emission No.3 Shielded Room	9kHz~150kHz	±3.1 dB
	150kHz~30MHz	±2.6 dB
Radiated Emission	30MHz~200MHz, Horizontal	±3.8 dB
	30MHz~200MHz, Vertical	±4.1 dB
	200MHz~1000MHz, Horizontal	±3.6 dB
	200MHz~1000MHz, Vertical	±5.1 dB
	1GHz~6GHz	±5.3 dB
	6GHz~18GHz	±5.3 dB
	18GHz~40GHz	±3.5 dB
Output Power Test	50MHz~18GHz	0.77 dB
Power Density Test	9kHz~6GHz	1.08 dB
RF Frequency Test	9kHz~40GHz	6×10^{-4}
Bandwidth Test	9kHz~6GHz	1.5×10^{-3}
RF Radiated Power Test	30MHz~1000MHz	3.06 dB
Conducted Output Power Test	50MHz~18GHz	0.83 dB
AC Voltage(<10kHz) Test	120V~230V	0.04 %
DC Power Test	0V~30V	0.4 %
Temperature	-40°C~+100°C	0.52 °C
Humidity	30%~95%	2.6 %

---END OF REPORT---