



FCC TEST REPORT

FCC ID: 2AIYW-EP01

On Behalf of

EZLO INC.

Module

Model No.: EP01

Prepared for : EZLO INC.

Address : 200 Broadacres Drive 2nd Floor Bloomfield New Jersey United
States 07003

Prepared By : Shenzhen PSI Testing Co., Ltd.

Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Report Number : psi2604194-C01-R02

Date of Receipt : April 22, 2026

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Date of Report : April 30, 2026

Version Number : V0

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TEST REPORT DECLARATION

Applicant : EZLO INC.
Address : 200 Broadacres Drive 2nd Floor Bloomfield New Jersey United States 07003
Manufacturer : MOKO TECHNOLOGY LTD.
Address : 4F, Building 2, Guanghui Technology Park, Mingqing Rd, Longhua, Shenzhen, China
Factory : MOKO TECHNOLOGY LTD.
Address : NO.107 Pinshun Rd, Guixiang, Guanlan St., Longhua District, 518110 Shenzhen, China
EUT Description : Module
(A) Model No. : EP01
(B) Trademark : N/A

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247

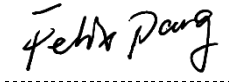
Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC Part 15C requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

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

Felix Pang
Test Engineer



Approved by (name + signature).....:

Simple Guan
Project Manager



Date of issue.....:

April 30, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	April 30, 2026	Initial released Issue	Felix Pang

1. Summary Of Standards And Results

1.1. Description of Standards and Results

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

Test Item	Standards Paragraph	Result
Conducted Emission	FCC Part 15: 15.207 ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
6dB Bandwidth	FCC PART 15:15.247(a)(2), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Output Power	FCC Part 15: 15.247(b)(3), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Radiated Spurious Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Conducted Spurious & Band Edge Emission	FCC Part 15: 15.247(d), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Power Spectral Density	FCC PART 15:15.247(e), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Radiated Band Edge Emission	FCC Part 15: 15.247(d), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Antenna Requirement	FCC Part 15: 15.203	P
Note: 1. P is an abbreviation for Pass. 2. F is an abbreviation for Fail. 3. N/A is an abbreviation for Not Applicable. 4. Conclusion determination rules of this report: Unless there are clear provisions on measurement uncertainty in the standard or customer requirements, decision by actual test data without considering measurement uncertainty. 5. Measurement method usage KDB 558074 D01 15.247 Meas Guidance v05r02.		

2. General Information

2.1. Description of Device (EUT)

Product Name : Module
Model : EP01
Diff : N/A
Test Voltage : DC 3.3V from USB

Radio technology	: 2.4G WiFi
Operation frequency	: 2412MHz-2462MHz for IEEE 802.11 b, g, n/HT20 2422MHz-2452MHz for IEEE 802.11 n/HT40
Channel No.	: 802.11b/802.11g/802.11n(HT20): 11CH 802.11(HT40): 7CH
Modulation type	: IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n:OFDM(64QAM, 16QAM, QPSK, BPSK)
Antenna Type	: Internal antenna, Maximum Gain is -0.58dBi.
PMN	: N/A
HVIN	: N/A
Software version	: N/A
Hardware version/FVIN	: N/A
Note	: Antenna information is provided by applicant. Testing lab is not responsible for the accuracy of the information.

2.2. Accessories of Device (EUT)

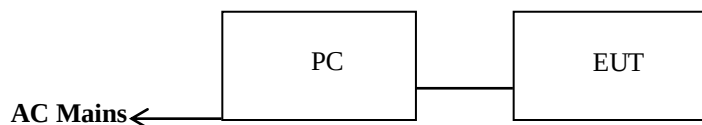
Accessories 1 : USB frequency stabilizer board
 Manufacturer : MOKO TECHNOLOGY LTD.
 Model : EP01

2.3. Tested Supporting System Details

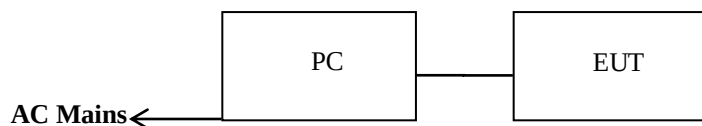
No.	Description	Manufacturer	Model	Serial Number
1	USB TO TTL	FTDI	FT232RL	N/A
2	Notebook PC	Dell	Latitude 3490	N/A

2.4. Block Diagram of Connection Between EUT and Simulators

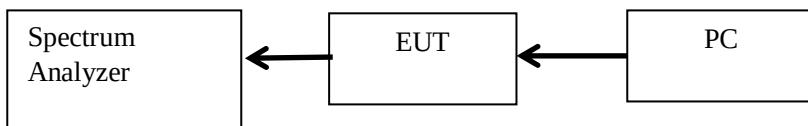
Spurious Emission



Power Line Conducted Emission



RF



2.5. Test Mode Description

Keeping TX			
Mode	Data rate (Mbps)	Channel	Frequency(MHz)
IEEE 802.11 b	1	Low :CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
IEEE 802.11 g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
IEEE 802.11 n/HT20	6.5	Low :CH1	2412
	6.5	Middle: CH6	2437
	6.5	High: CH11	2462
IEEE 802.11n HT40	13.5	Low :CH3	2422
	13.5	Middle: CH6	2437
	13.5	High: CH9	2452
Note: According exploratory test, EUT will have maximum output power in those data rate. So those data rate were used for all test.			

Channel list:					
For IEEE 802.11b, g, n/HT20					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH1	2412	CH5	2432	CH9	2452
CH2	2417	CH6	2437	CH10	2457
CH3	2422	CH7	2442	CH11	2462
CH4	2427	CH8	2447		
For IEEE 802.11n/HT40					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH3	2422	CH7	2442		
CH4	2427	CH8	2447		
CH5	2432	CH9	2452		
CH6	2437				

2.6. Software test version and power setting information

Software testing version	EspRFTTestTool_v3.6_Manual.exe		
Mode	The client 's preset testing software is used to control the operation of EUT in continuous transmission mode and select the testing channel, wireless mode:		
Power level setup by client			
Mode	Channel	Frequency (MHz)	Soft Set
IEEE 802.11b/g/n20	Low :CH1	2412	TX level is set as defaults
	Middle: CH6	2437	TX level is set as defaults
	High: CH11	2462	TX level is set as defaults
IEEE 802.11 n40	Low :CH3	2422	TX level is set as defaults
	Middle: CH6	2437	TX level is set as defaults
	High: CH9	2452	TX level is set as defaults

2.7. Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	26℃
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

2.8. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

Designation Number: CN1362

September 21, 2023 Certificated by IC

Registration Number: 31123

CAB identifier: CN0158

2.9. Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Power Line Conducted Emissions Test	2.13dB
Radiation Emission test in 3m chamber(below 30MHz)	4.07dB
Radiation Emission test in 3m chamber(30MHz to 1GHz)	4.51dB
Radiation Emission test in 3m chamber(1GHz to 18GHz)	5.07dB
Radiation Emission test in 3m chamber(18GHz to 40GHz)	5.21dB
Radio Frequency	48.24KHz
Conducted RF Power	0.41dB
Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Duty Cycle	1%
Conducted-Spurious Emission	1.26dB

2.10.Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2025.12.18	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV 216	102282	/	2025.12.18	1 Year
4.	L.I.S.N.#2	EMCO	3810-2	00094944	/	2025.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV40-N	101648	3.70	2025.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LNPA_0118G-50	SK2022032901	/	2025.12.18	1 Year
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_1840G-50	SK2019040302	/	2025.12.18	1 Year
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02-1111533-Fz	/	2025.12.18	1 Year
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P008	/	2025.12.18	1 Year
14.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2025.12.18	1 Year
15.	Temp. & Humid Chamber	Auchno	9606	/	/	2025.12.18	1 Year
16.	Regulated DC Power Supply	Xinouhua	ADC120V10A	202211251638	/	2025.12.18	1 Year
17.	Cable	SKET	Cable-RE-1	#02/#03	/	2025.12.18	1 Year
18.	Cable	SKET	Cable-RE-2	#01	/	2025.12.18	1 Year
19.	Cable	SKET	Cable-RE-3	#04	/	2025.12.18	1 Year
20.	Cable	SKET	Cable-CE-1	A-E-24	/	2025.12.18	1 Year
21.	6dB Attenuator	Schwarzbeck	DGA 9552N 6dB	CK4186	/	2025.12.18	1 Year
22.	Power meter	Agilent	E4419B	GB40202121	/	2025.12.18	1 Year
23.	Comprehensive Test Instrument	Rohde&Schwarz	CMW 500	145266	/	2025.12.18	1 Year
24.	Band-stop filter	HX-Microwave	MSF5000-6000MS-1150	/	/	2025.12.18	1 Year
For Test Software Information							
Item	Software Name	Manufacturer			Version		
RE	EZ EMC	Farad			PSI-3A1		
CE	EZ EMC	Farad			PSI-3A1		
RF	RTS	TACHOY			V1.0.0		

3. Spurious Emission

3.1. Test Limits

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

Note: The peak limit is 20 dB higher than the average limit

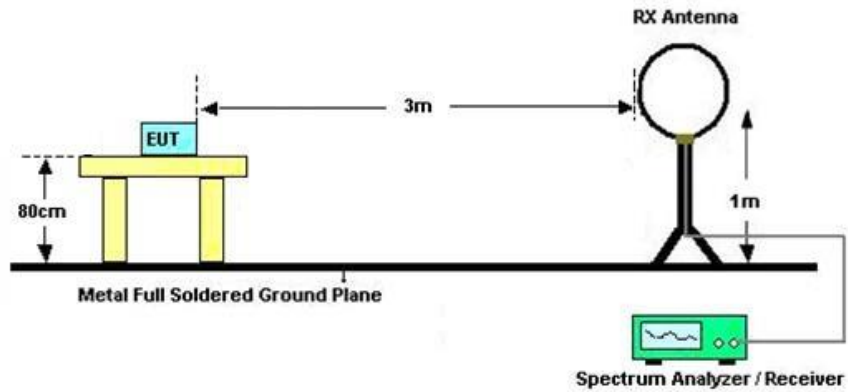
All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band

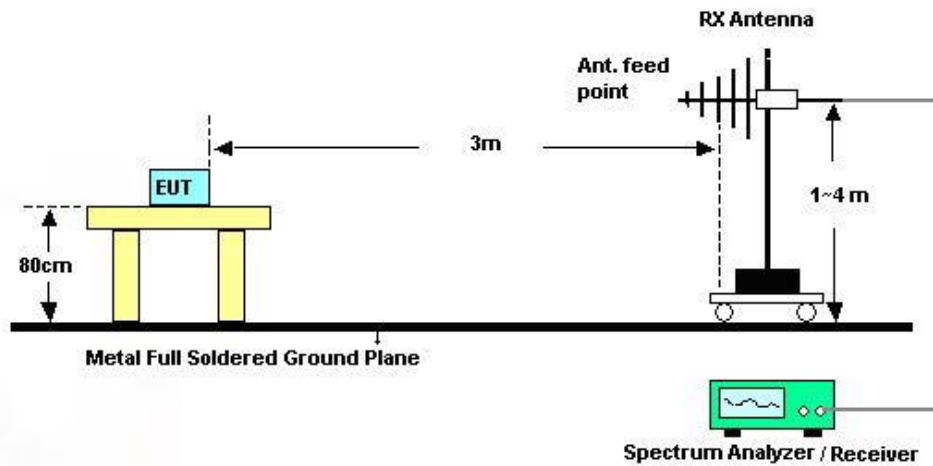
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

3.2. Block Diagram of Test setup

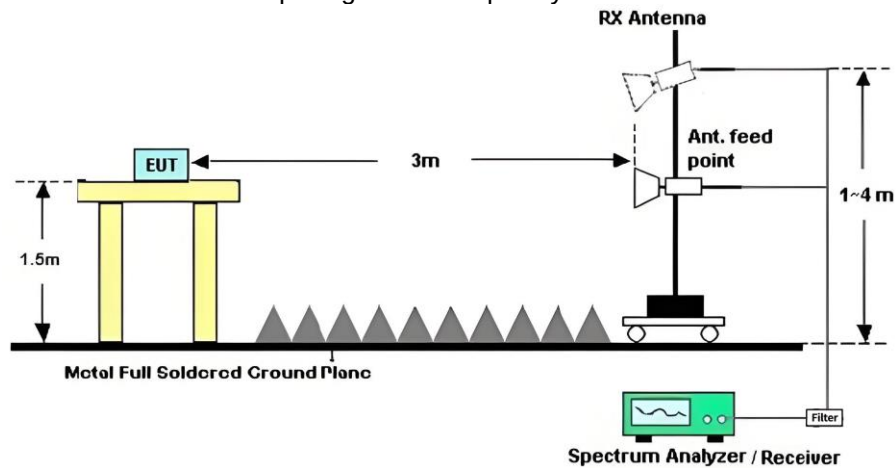
(1) In 3m Anechoic Chamber Test Setup Diagram for below 30MHz



(2) In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



(3) In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



3.3. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and simulator
- (3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
 - (a) Change work frequency or channel of device if practicable.
 - (b) Change modulation type of device if practicable.
 - (c) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated
- (5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on Radiated Emission test.
- (6) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure.

Test setup information:

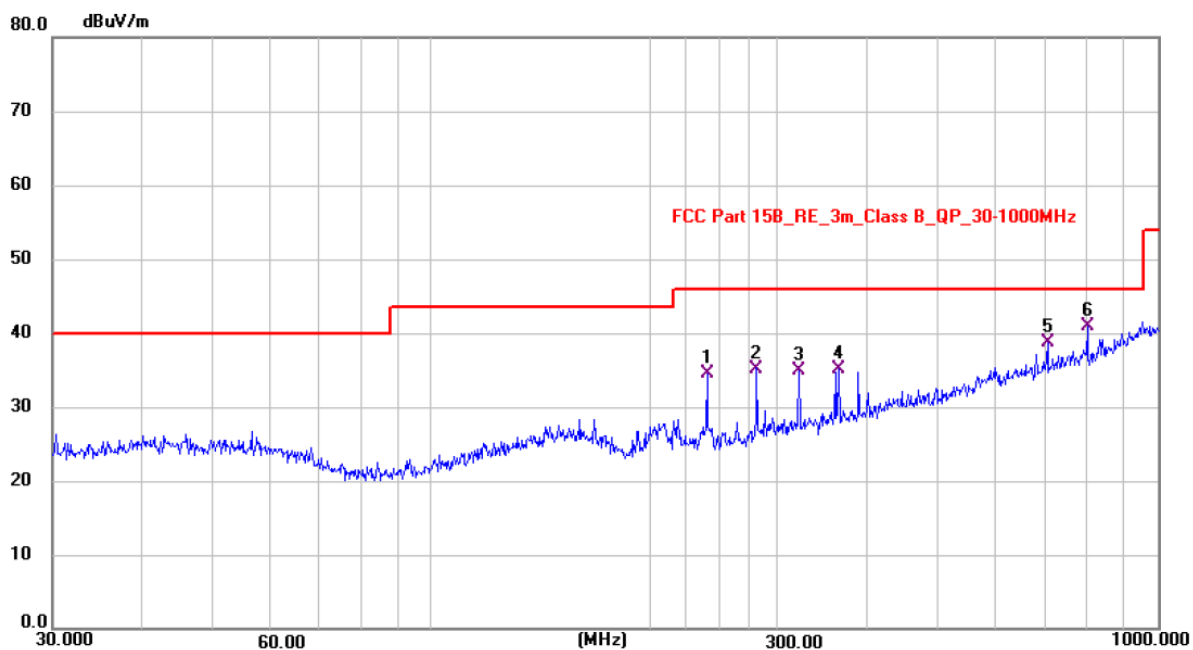
9KHz~150KHz	RBW200Hz	VBW1KHz
150KHz~30MHz	RBW9KHz	VBW 30KHz
30MHZ~1GHz	RBW120KHz	VBW 300KHz
Above1GHz	RBW1MHz	VBW 3MHz

3.4. Test Results

We have scanned from 9kHz to the 10th harmonic of the EUT's highest frequency.
Detailed information please see the following page.

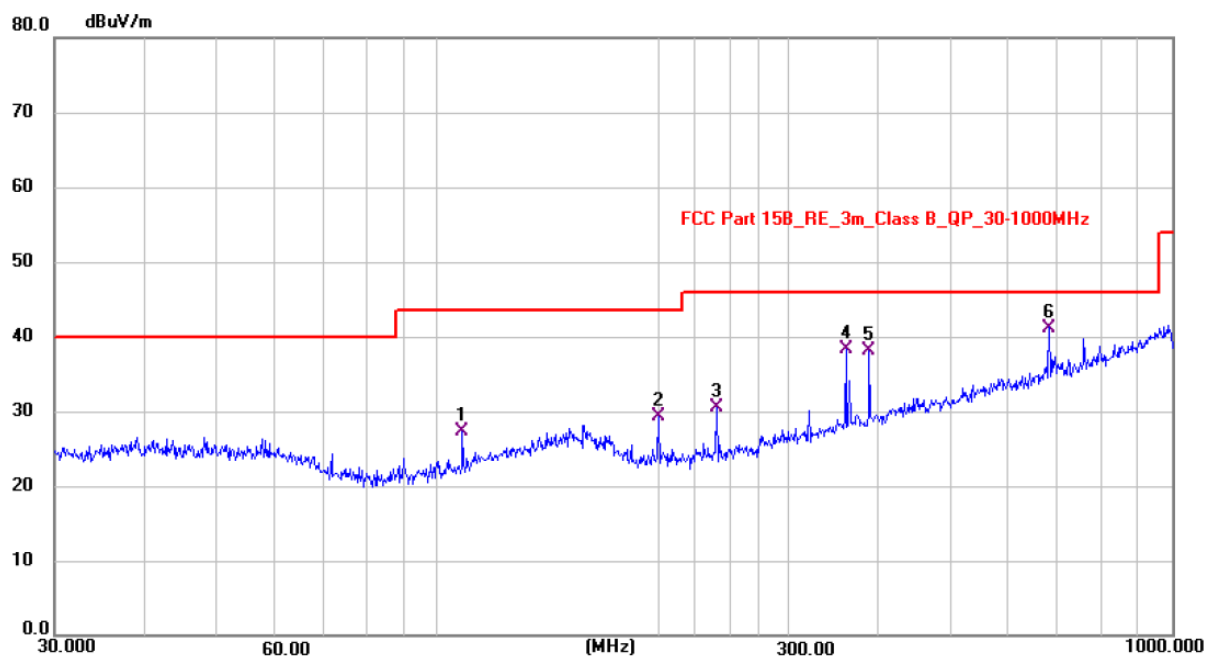
From 9KHz to 30MHz:	
Test Date : 2026.04.28	Temperature : 26℃
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : IEEE 802.11b mode	
Test Voltage : DC 3.3V	
Test Results : PASS	
Note:	The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

From 30MHz to 1000MHz:	
Test Date : 2026.04.28	Temperature : 26℃
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : IEEE 802.11b mode	
Test voltage : DC 3.3V	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. All modes have been tested, and only worst data of IEEE 802.11b mode, Channel 2412MHz was listed in this report.

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	239.9873	21.23	13.26	34.49	46.00	-11.51	QP
2	280.0237	20.69	14.51	35.20	46.00	-10.80	QP
3	320.0772	19.18	15.72	34.90	46.00	-11.10	QP
4	364.1000	18.29	16.85	35.14	46.00	-10.86	QP
5	705.4620	14.83	23.89	38.72	46.00	-7.28	QP
6 *	800.0310	15.83	25.15	40.98	46.00	-5.02	QP

Level = Reading + Factor Margin = Level - Limit

Polarization: Vertical

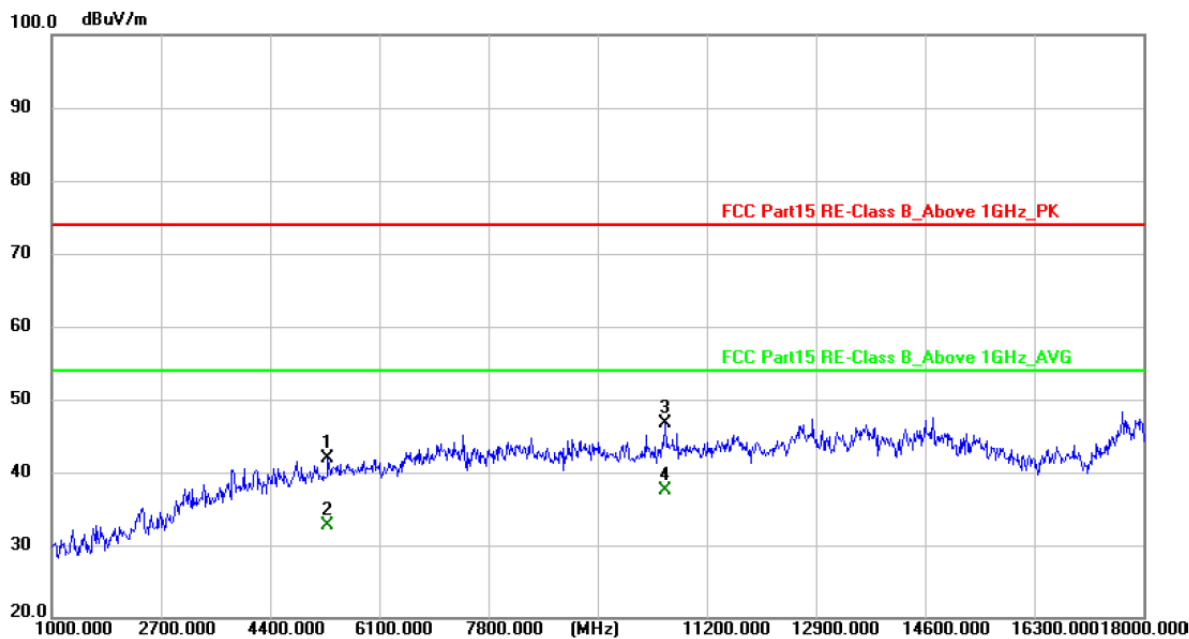
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	108.0297	15.50	11.80	27.30	43.50	-16.20	QP
2	199.9856	17.83	11.48	29.31	43.50	-14.19	QP
3	240.0926	17.15	13.26	30.41	46.00	-15.59	QP
4	360.1319	21.59	16.77	38.36	46.00	-7.64	QP
5	387.6520	20.88	17.31	38.19	46.00	-7.81	QP
6 *	680.2581	17.72	23.48	41.20	46.00	-4.80	QP

Level = Reading + Factor Margin = Level - Limit

From 1GHz to 25GHz:	
Test Date : 2026.04.28	Temperature : 26℃
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : WIFI mode	
Test voltage : DC 3.3V	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.

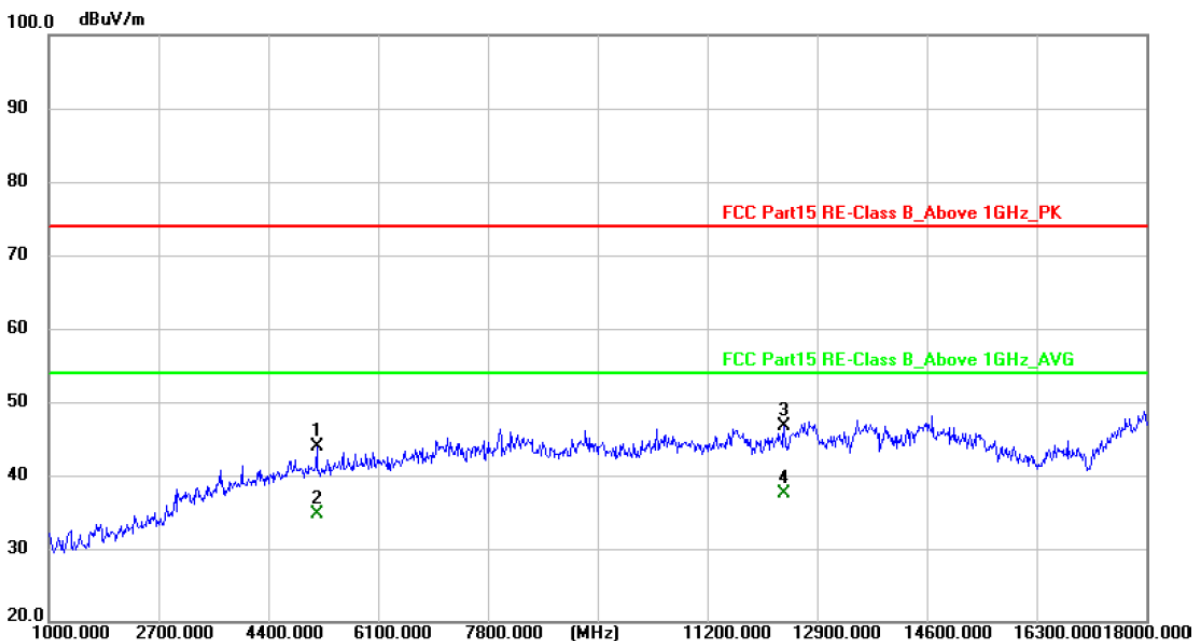
Test Mode : B 2412MHz

Polarization: Horizontal



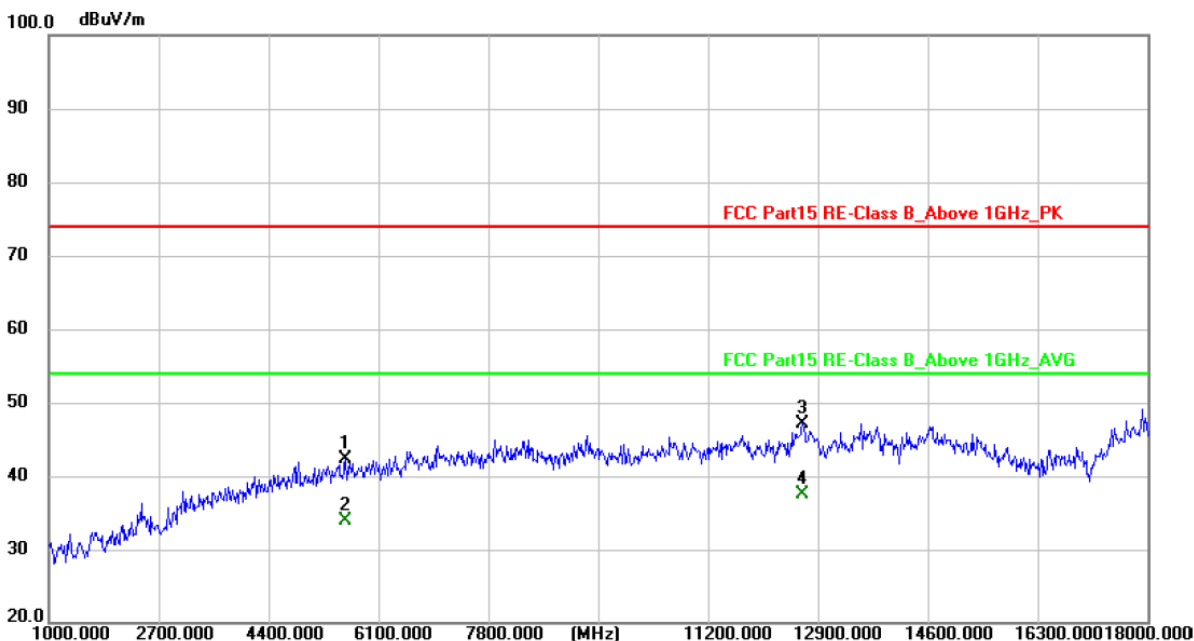
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5303.125	57.15	-15.17	41.98	74.00	-32.02	peak
2	5303.125	47.82	-15.17	32.65	54.00	-21.35	AVG
3	10554.000	56.12	-9.39	46.73	74.00	-27.27	peak
4 *	10554.000	46.84	-9.39	37.45	54.00	-16.55	AVG

Test Mode : B 2412MHz

Polarization: Vertical

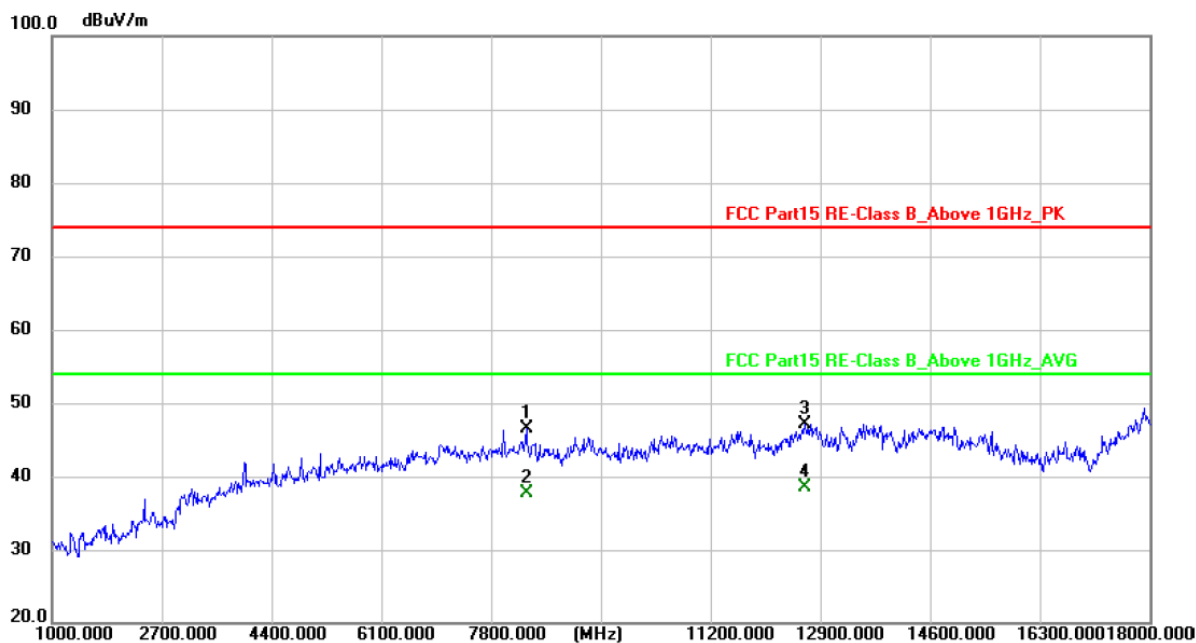
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5160.750	59.31	-15.47	43.84	74.00	-30.16	peak
2	5160.750	50.26	-15.47	34.79	54.00	-19.21	AVG
3	12398.500	54.95	-8.23	46.72	74.00	-27.28	peak
4 *	12398.500	45.79	-8.23	37.56	54.00	-16.44	AVG

Test Mode : B 2437MHz

Polarization: Horizontal

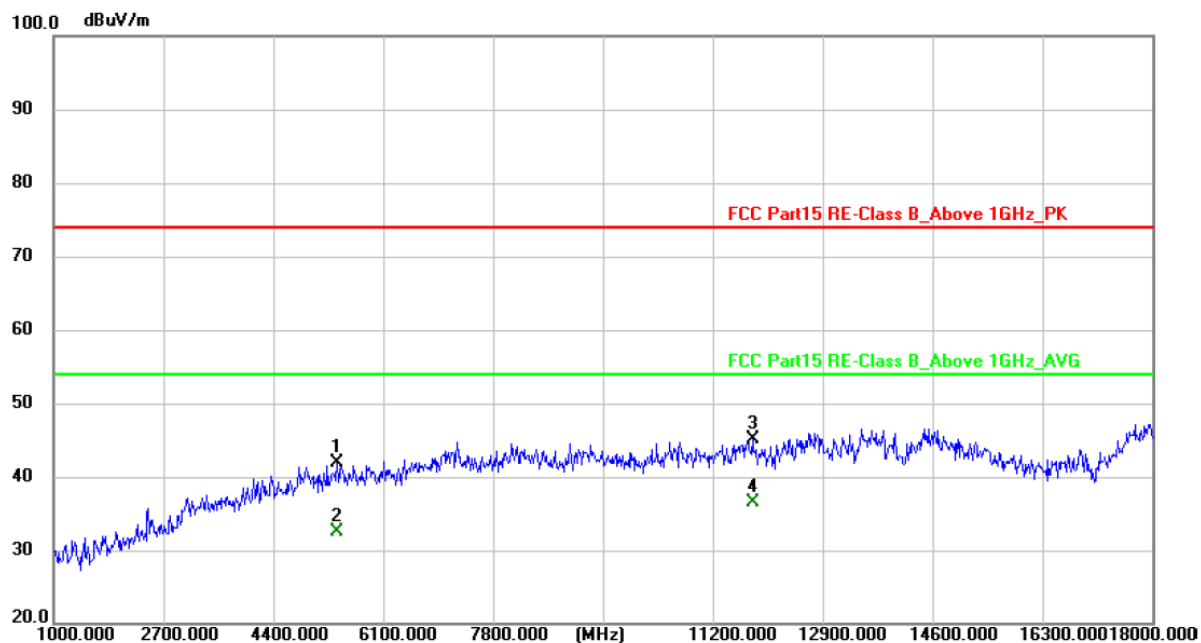
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5602.750	56.92	-14.54	42.38	74.00	-31.62	peak
2	5602.750	48.36	-14.54	33.82	54.00	-20.18	AVG
3	12676.875	55.14	-7.94	47.20	74.00	-26.80	peak
4 *	12676.875	45.46	-7.94	37.52	54.00	-16.48	AVG

Test Mode : B 2437MHz

Polarization: Vertical

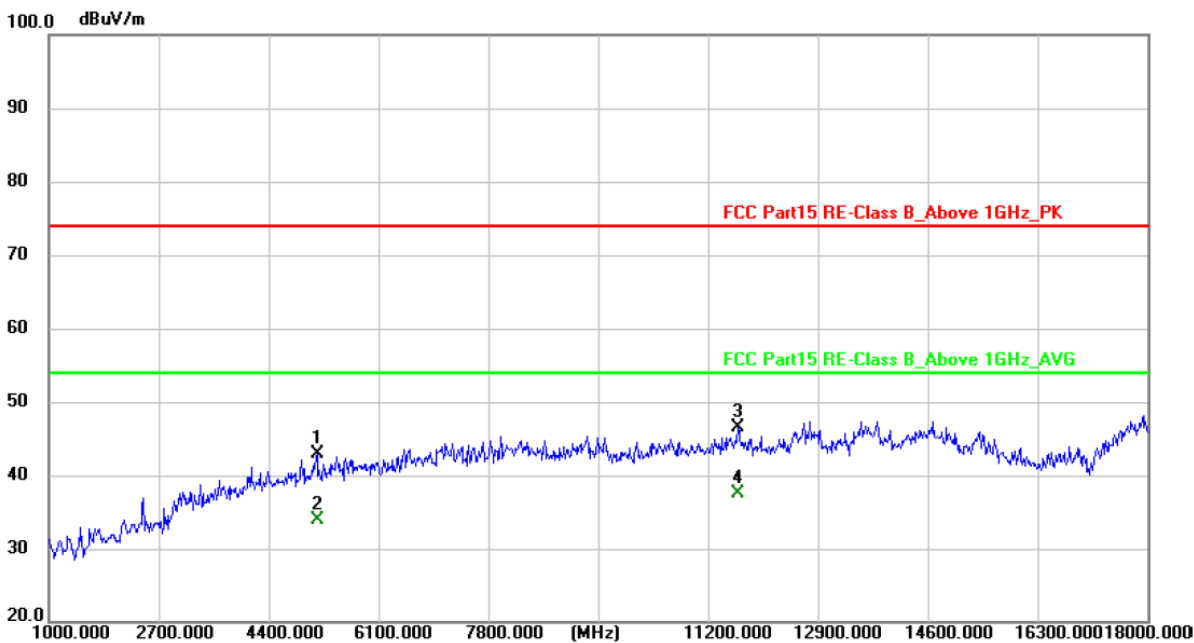
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	8350.375	57.09	-10.57	46.52	74.00	-27.48	peak
2	8350.375	48.25	-10.57	37.68	54.00	-16.32	AVG
3	12674.750	55.10	-7.95	47.15	74.00	-26.85	peak
4 *	12674.750	46.38	-7.95	38.43	54.00	-15.57	AVG

Test Mode : B 2462MHz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5392.375	56.87	-14.98	41.89	74.00	-32.11	peak
2	5392.375	47.55	-14.98	32.57	54.00	-21.43	AVG
3	11820.500	53.81	-8.69	45.12	74.00	-28.88	peak
4 *	11820.500	45.12	-8.69	36.43	54.00	-17.57	AVG

Test Mode : B 2462MHz

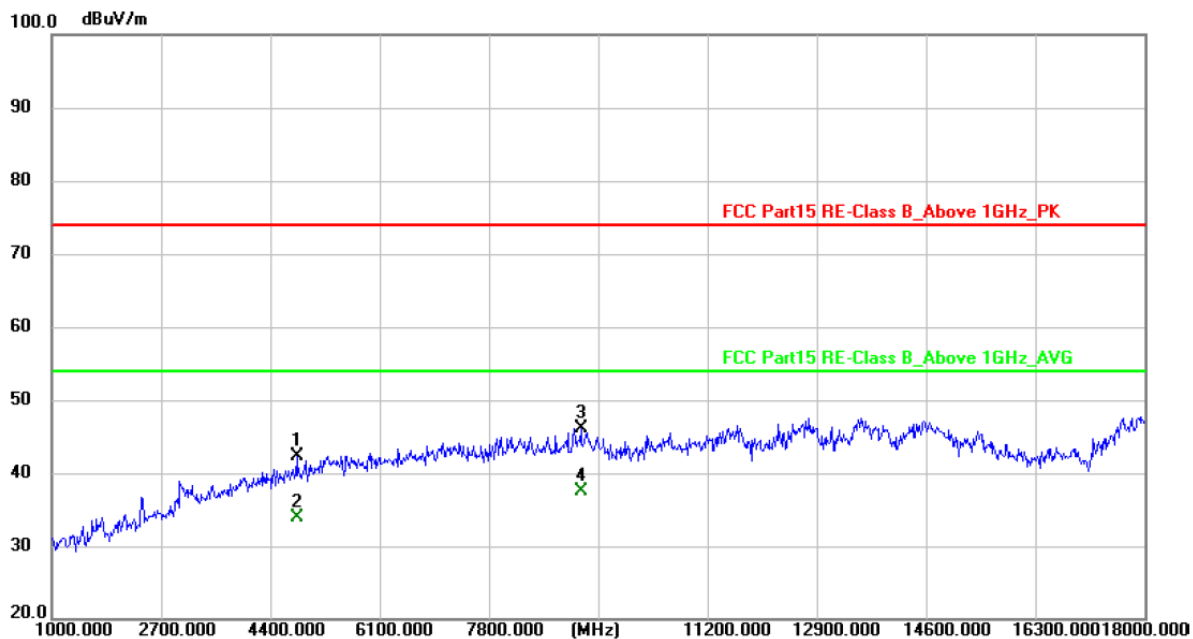
Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5148.000	58.40	-15.50	42.90	74.00	-31.10	peak
2	5148.000	49.37	-15.50	33.87	54.00	-20.13	AVG
3	11669.625	55.17	-8.74	46.43	74.00	-27.57	peak
4 *	11669.625	46.25	-8.74	37.51	54.00	-16.49	AVG

Note:

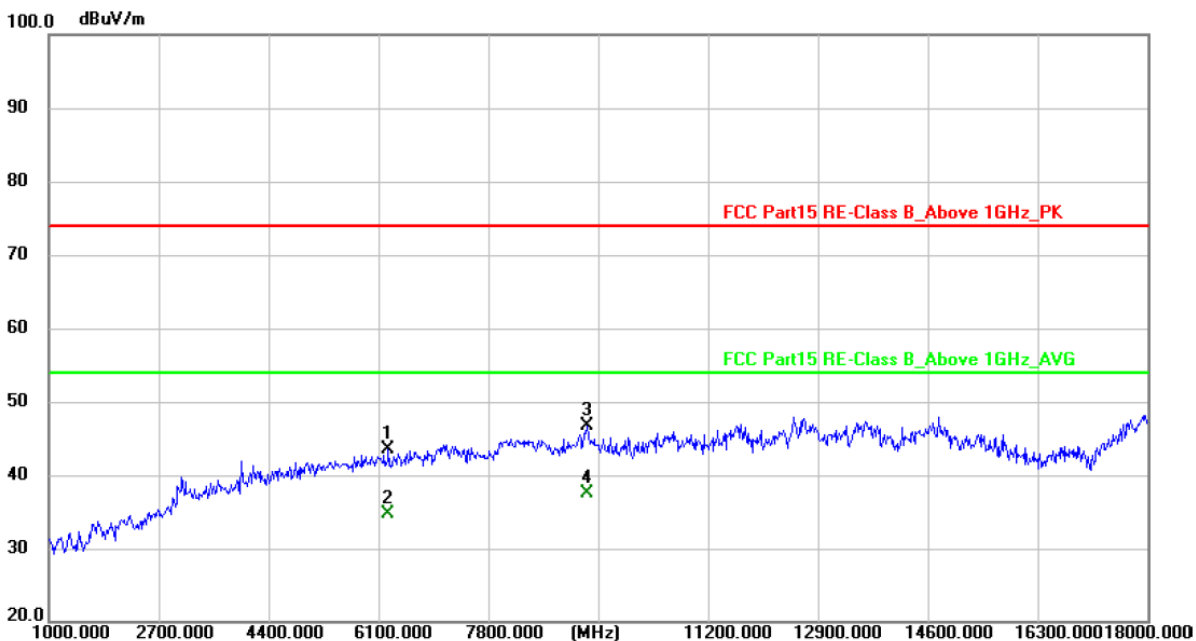
1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.
2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.
Result=Reading + Correct Factor, Margin= Result-Limit.

Test Mode : G 2412MHz

Polarization: Horizontal

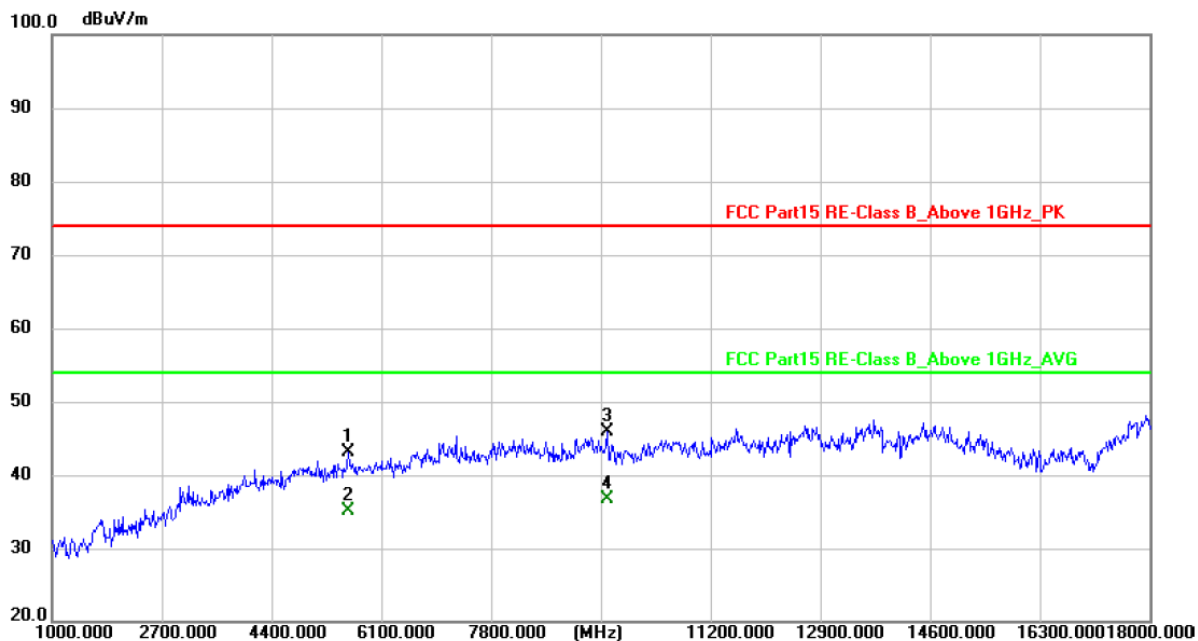
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4822.875	58.76	-16.38	42.38	74.00	-31.62	peak
2	4822.875	50.23	-16.38	33.85	54.00	-20.15	AVG
3	9232.250	56.36	-10.29	46.07	74.00	-27.93	peak
4 *	9232.250	47.71	-10.29	37.42	54.00	-16.58	AVG

Test Mode : G 2412MHz

Polarization: Vertical

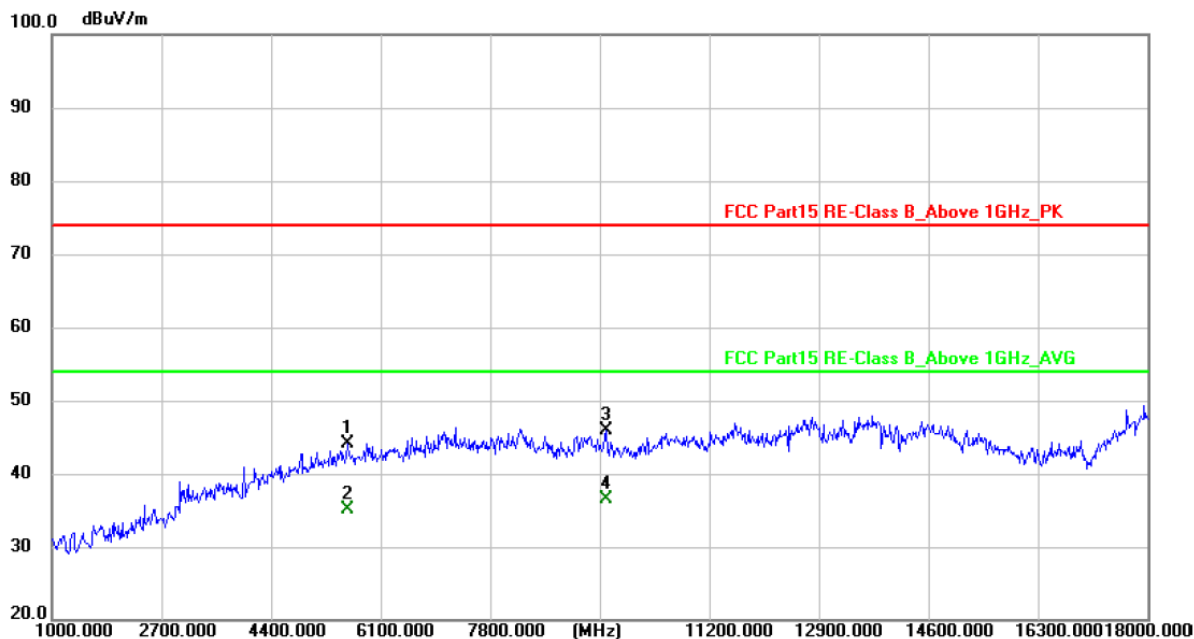
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	6261.500	56.50	-13.08	43.42	74.00	-30.58	peak
2	6261.500	47.69	-13.08	34.61	54.00	-19.39	AVG
3	9340.625	57.01	-10.24	46.77	74.00	-27.23	peak
4 *	9340.625	47.69	-10.24	37.45	54.00	-16.55	AVG

Test Mode : G 2437MHz

Polarization: Horizontal

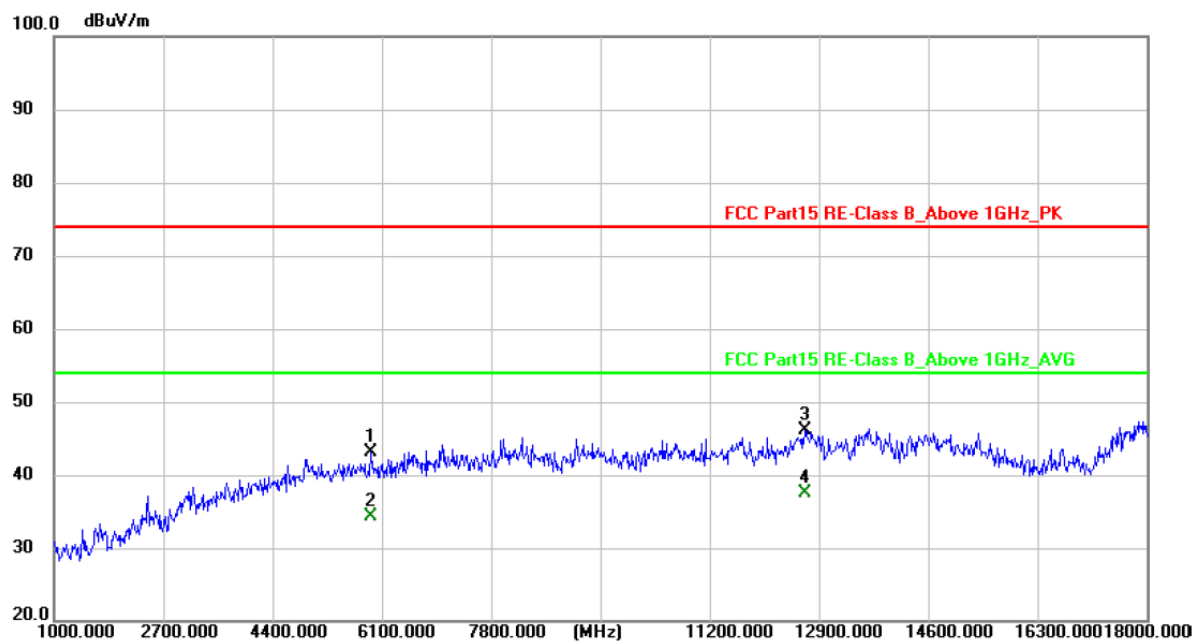
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5600.625	57.63	-14.54	43.09	74.00	-30.91	peak
2	5600.625	49.70	-14.54	35.16	54.00	-18.84	AVG
3	9604.125	55.96	-10.13	45.83	74.00	-28.17	peak
4 *	9604.125	46.78	-10.13	36.65	54.00	-17.35	AVG

Test Mode : B 2437MHz

Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5600.625	58.63	-14.54	44.09	74.00	-29.91	peak
2	5600.625	49.70	-14.54	35.16	54.00	-18.84	AVG
3	9604.125	55.96	-10.13	45.83	74.00	-28.17	peak
4 *	9604.125	46.62	-10.13	36.49	54.00	-17.51	AVG

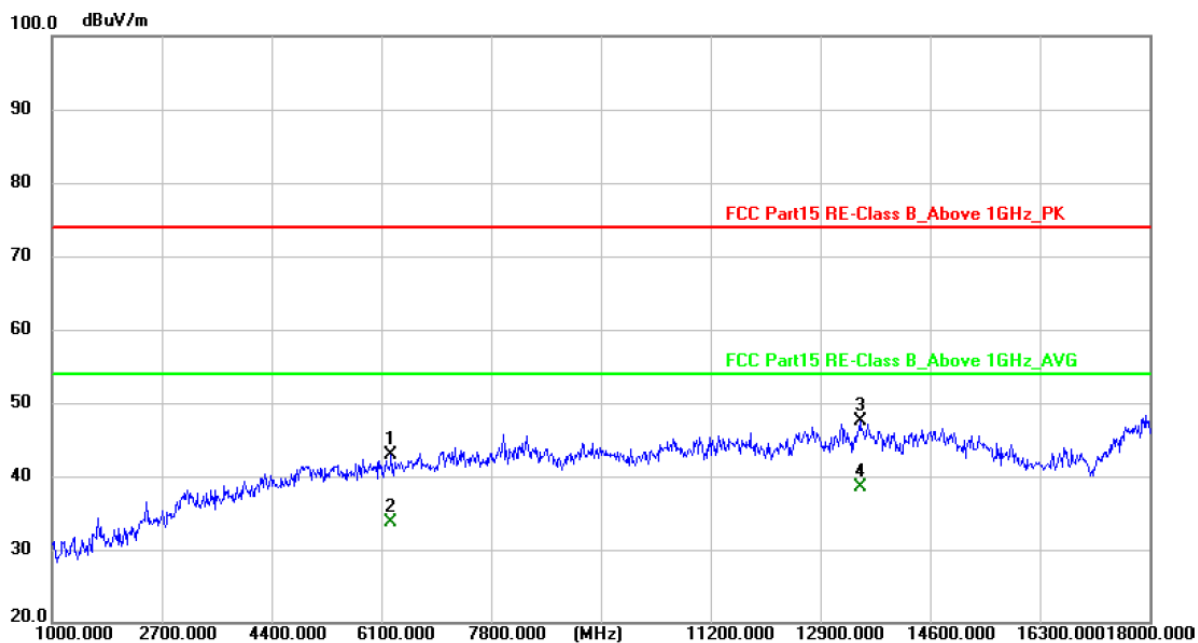
Test Mode : G 2462MHz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5932.125	56.93	-13.83	43.10	74.00	-30.90	peak
2	5932.125	48.10	-13.83	34.27	54.00	-19.73	AVG
3	12681.125	53.99	-7.94	46.05	74.00	-27.95	peak
4 *	12681.125	45.41	-7.94	37.47	54.00	-16.53	AVG

Test Mode : G 2462MHz

Polarization: Vertical



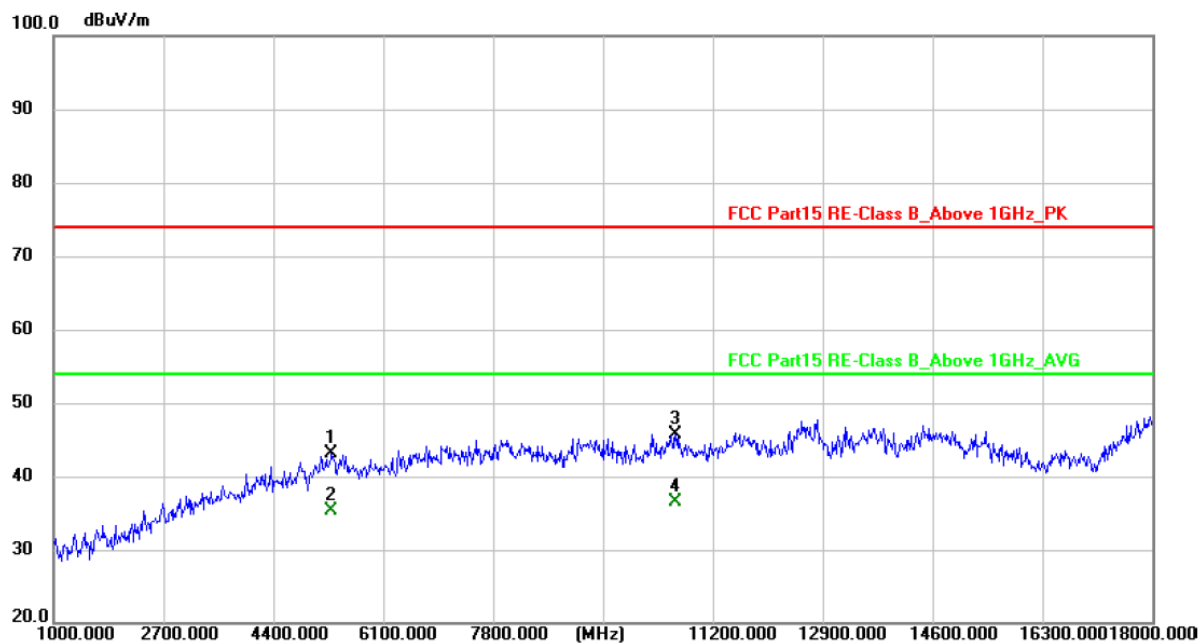
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	6267.875	56.06	-13.07	42.99	74.00	-31.01	peak
2	6267.875	46.85	-13.07	33.78	54.00	-20.22	AVG
3	13526.875	54.81	-7.23	47.58	74.00	-26.42	peak
4 *	13526.875	45.65	-7.23	38.42	54.00	-15.58	AVG

Note:

1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.
2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.
Result=Reading + Correct Factor, Margin= Result-Limit.

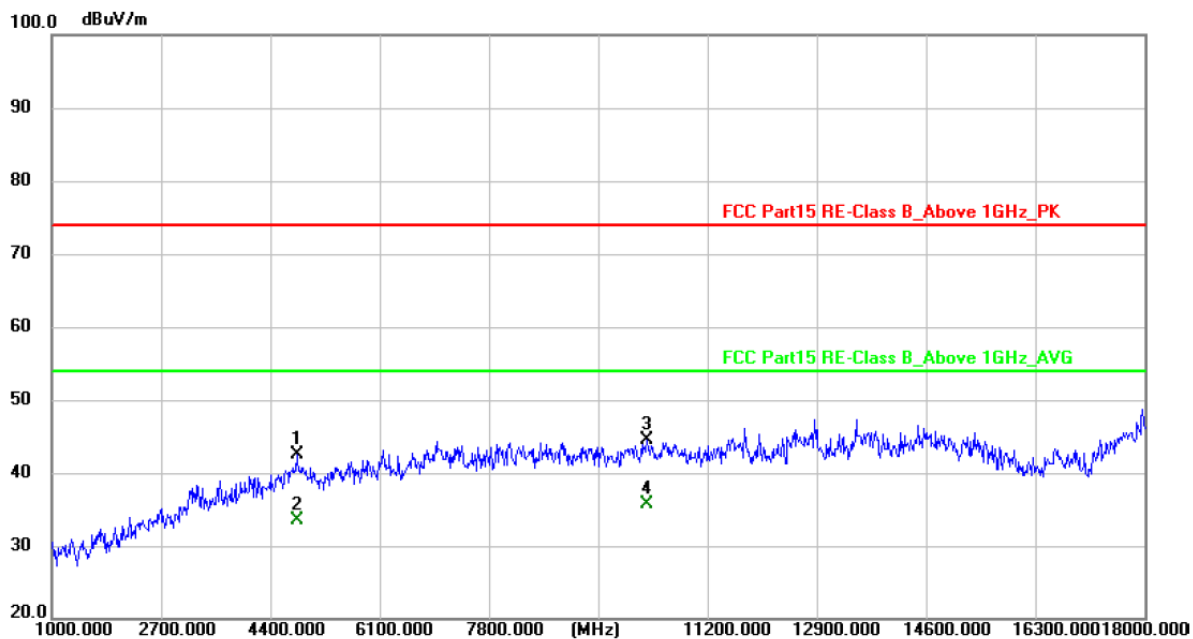
Test Mode : N20 2412MHz

Polarization: Horizontal



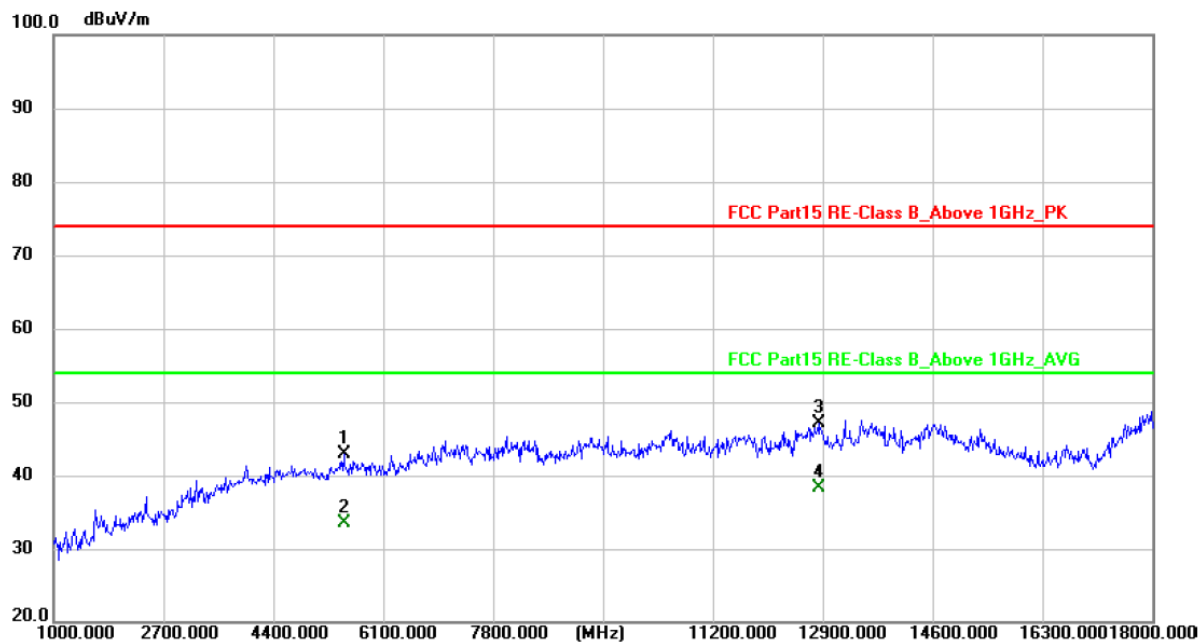
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5313.750	58.32	-15.14	43.18	74.00	-30.82	peak
2	5313.750	50.40	-15.14	35.26	54.00	-18.74	AVG
3	10622.000	55.11	-9.33	45.78	74.00	-28.22	peak
4 *	10622.000	45.83	-9.33	36.50	54.00	-17.50	AVG

Test Mode : N20 2412MHz

Polarization: Vertical

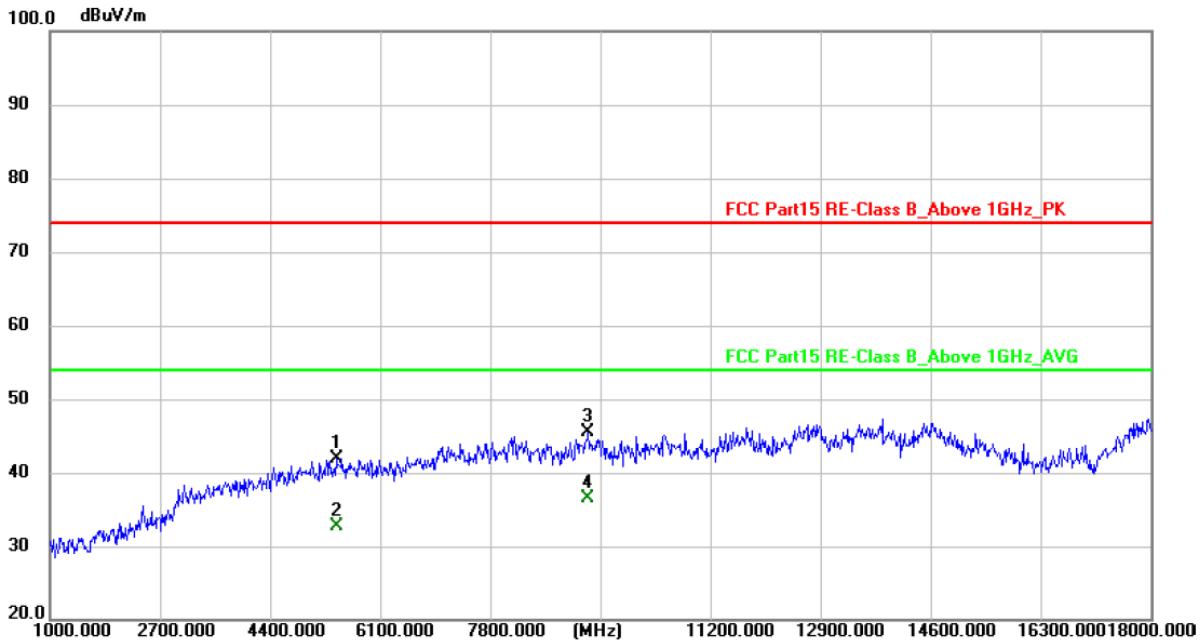
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4822.875	58.96	-16.38	42.58	74.00	-31.42	peak
2	4822.875	49.85	-16.38	33.47	54.00	-20.53	AVG
3	10250.125	54.28	-9.70	44.58	74.00	-29.42	peak
4 *	10250.125	45.31	-9.70	35.61	54.00	-18.39	AVG

Test Mode : N20 2437MHz

Polarization: Horizontal

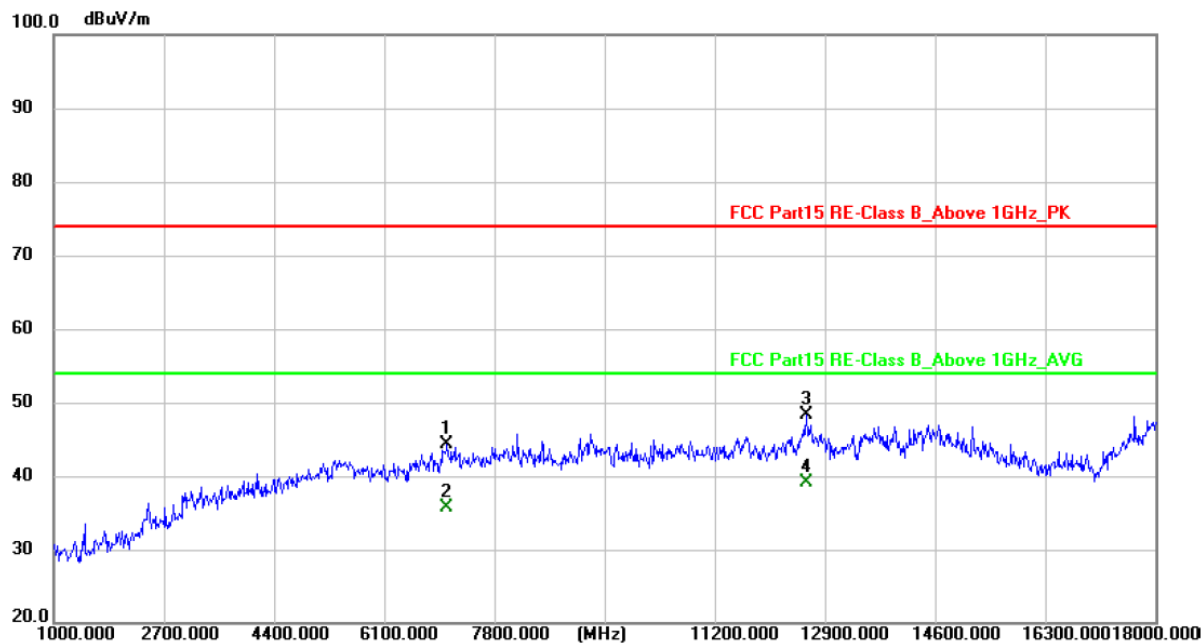
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5498.625	57.68	-14.75	42.93	74.00	-31.07	peak
2	5498.625	48.20	-14.75	33.45	54.00	-20.55	AVG
3	12834.125	54.87	-7.79	47.08	74.00	-26.92	peak
4 *	12834.125	46.04	-7.79	38.25	54.00	-15.75	AVG

Test Mode : N20 2437MHz

Polarization: Vertical

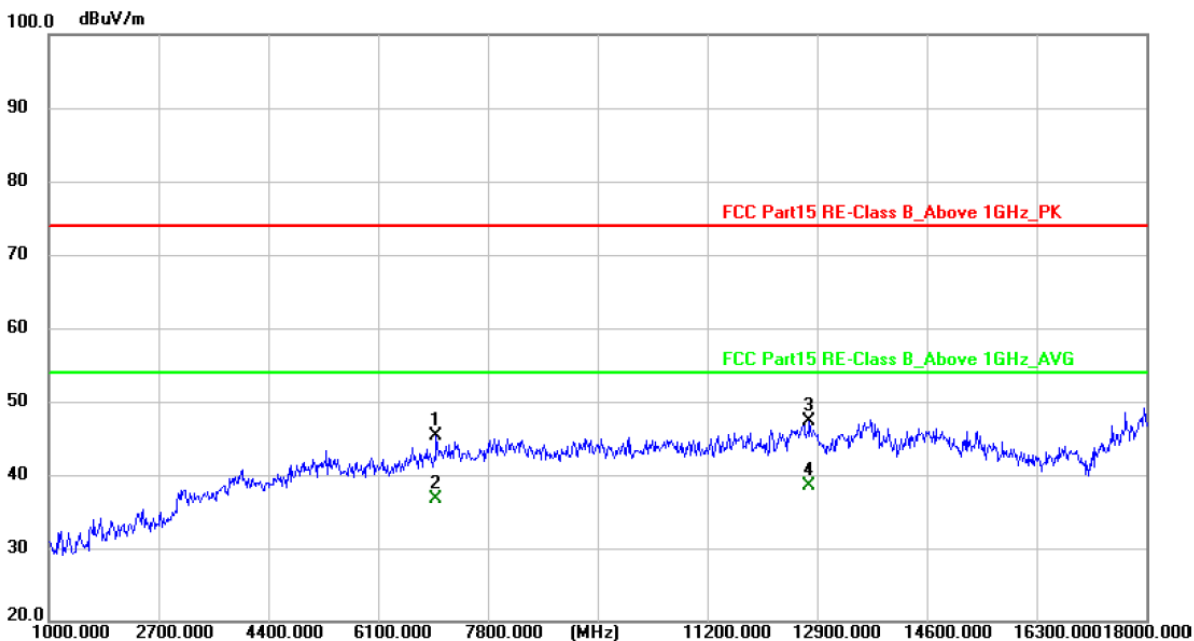
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5430.625	56.74	-14.90	41.84	74.00	-32.16	peak
2	5430.625	47.69	-14.90	32.79	54.00	-21.21	AVG
3	9315.125	55.70	-10.26	45.44	74.00	-28.56	peak
4 *	9315.125	46.86	-10.26	36.60	54.00	-17.40	AVG

Test Mode : N20 2462MHz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	7081.750	55.65	-11.31	44.34	74.00	-29.66	peak
2	7081.750	47.08	-11.31	35.77	54.00	-18.23	AVG
3	12615.250	56.28	-8.01	48.27	74.00	-25.73	peak
4 *	12615.250	47.13	-8.01	39.12	54.00	-14.88	AVG

Test Mode : N20 2462MHz

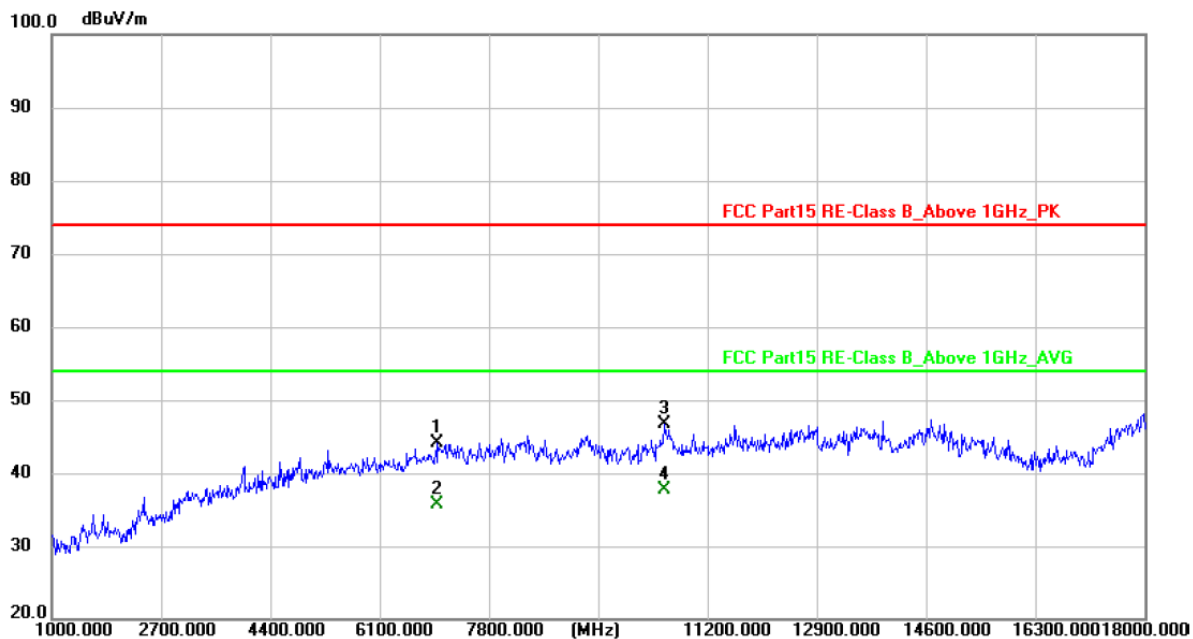
Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	7005.250	56.69	-11.36	45.33	74.00	-28.67	peak
2	7005.250	48.08	-11.36	36.72	54.00	-17.28	AVG
3	12781.000	55.08	-7.84	47.24	74.00	-26.76	peak
4 *	12781.000	46.41	-7.84	38.57	54.00	-15.43	AVG

Note:

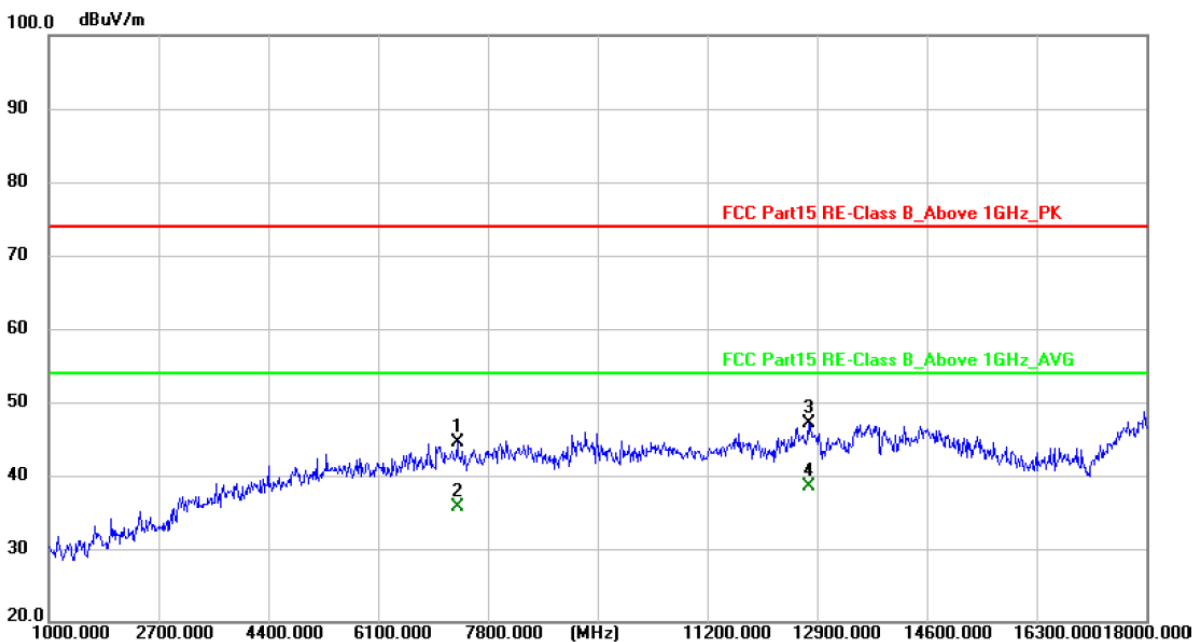
1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.
2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.
Result=Reading + Correct Factor, Margin= Result-Limit.

Test Mode : N40 2422MHz

Polarization: Horizontal

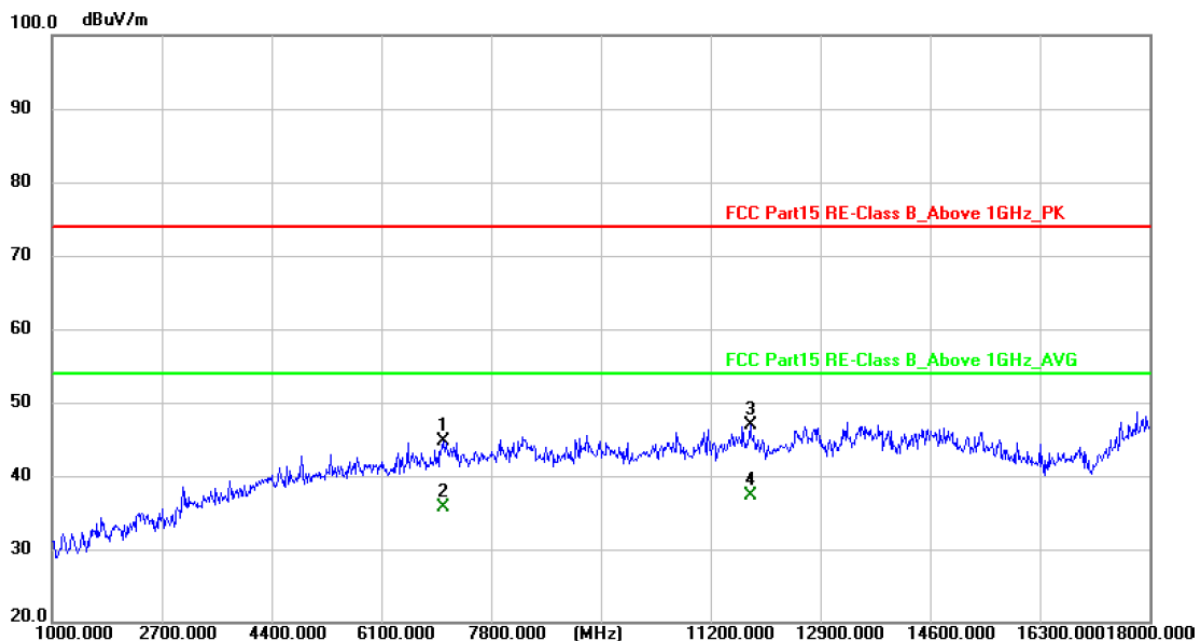
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	7005.250	55.51	-11.36	44.15	74.00	-29.85	peak
2	7005.250	47.09	-11.36	35.73	54.00	-18.27	AVG
3	10524.250	56.08	-9.43	46.65	74.00	-27.35	peak
4 *	10524.250	47.12	-9.43	37.69	54.00	-16.31	AVG

Test Mode : N40 2422MHz

Polarization: Vertical

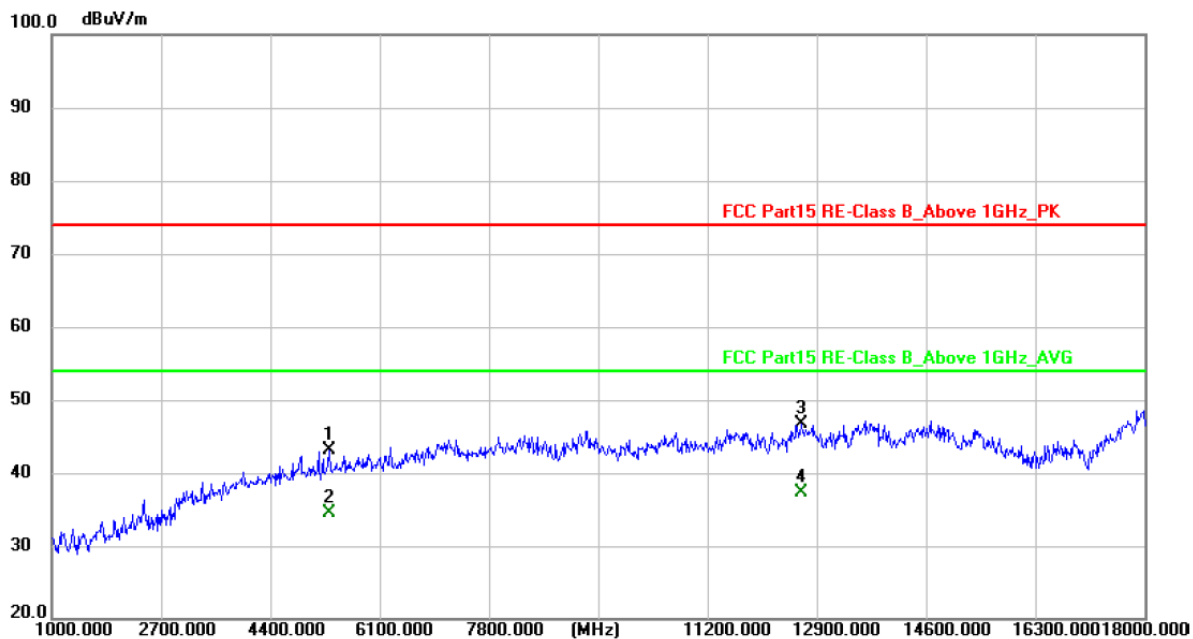
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	7334.625	55.67	-11.13	44.54	74.00	-29.46	peak
2	7334.625	46.91	-11.13	35.78	54.00	-18.22	AVG
3	12764.000	54.97	-7.87	47.10	74.00	-26.90	peak
4 *	12764.000	46.46	-7.87	38.59	54.00	-15.41	AVG

Test Mode : N40 2437MHz

Polarization: Horizontal

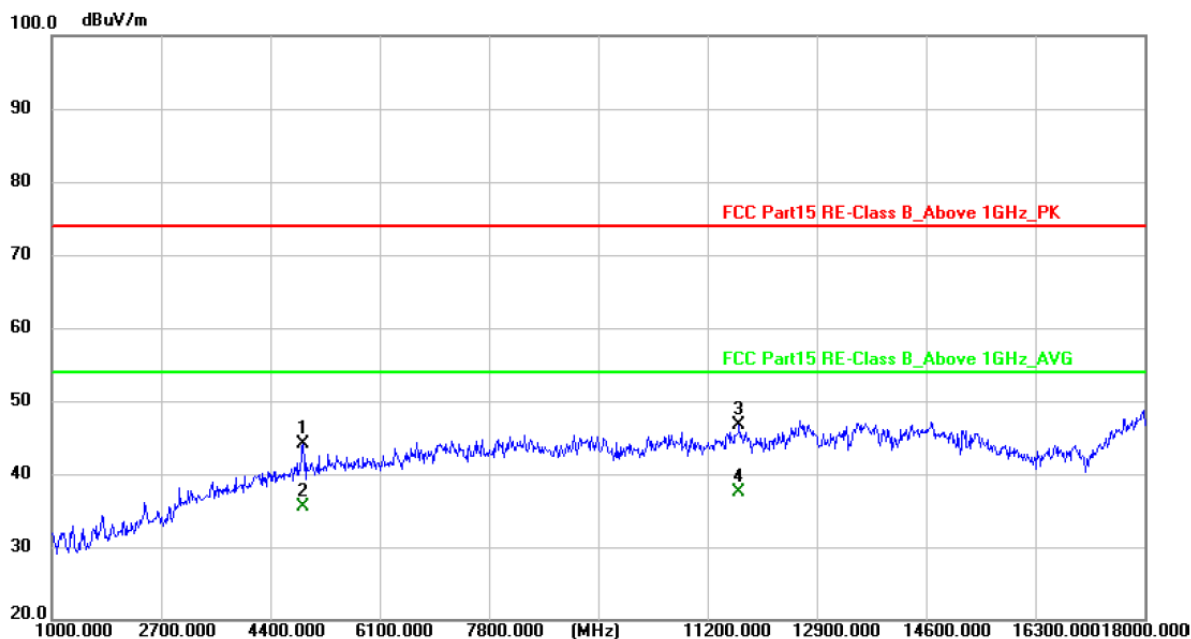
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	7052.000	56.09	-11.32	44.77	74.00	-29.23	peak
2	7052.000	47.12	-11.32	35.80	54.00	-18.20	AVG
3	11814.125	55.68	-8.69	46.99	74.00	-27.01	peak
4 *	11814.125	46.05	-8.69	37.36	54.00	-16.64	AVG

Test Mode : N40 2437MHz

Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5330.750	58.30	-15.11	43.19	74.00	-30.81	peak
2	5330.750	49.56	-15.11	34.45	54.00	-19.55	AVG
3	12666.250	54.70	-7.96	46.74	74.00	-27.26	peak
4 *	12666.250	45.24	-7.96	37.28	54.00	-16.72	AVG

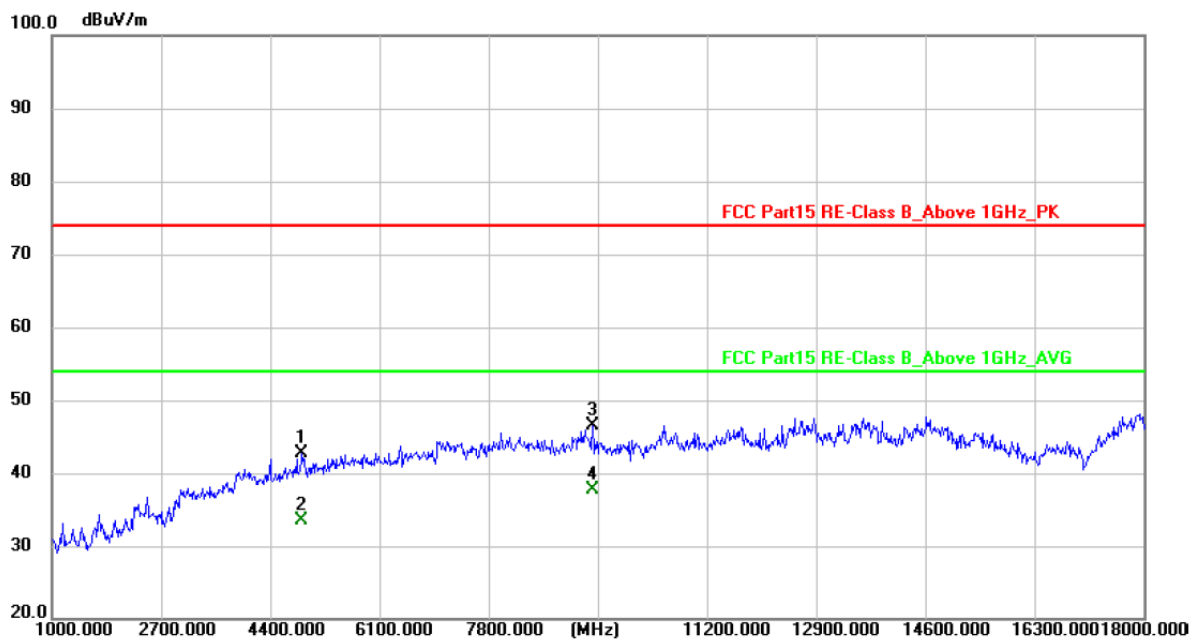
Test Mode : N40 2452MHz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4910.000	60.12	-16.10	44.02	74.00	-29.98	peak
2	4910.000	51.66	-16.10	35.56	54.00	-18.44	AVG
3	11699.375	55.34	-8.73	46.61	74.00	-27.39	peak
4 *	11699.375	46.32	-8.73	37.59	54.00	-16.41	AVG

Test Mode : N40 2452MHz

Polarization: Vertical

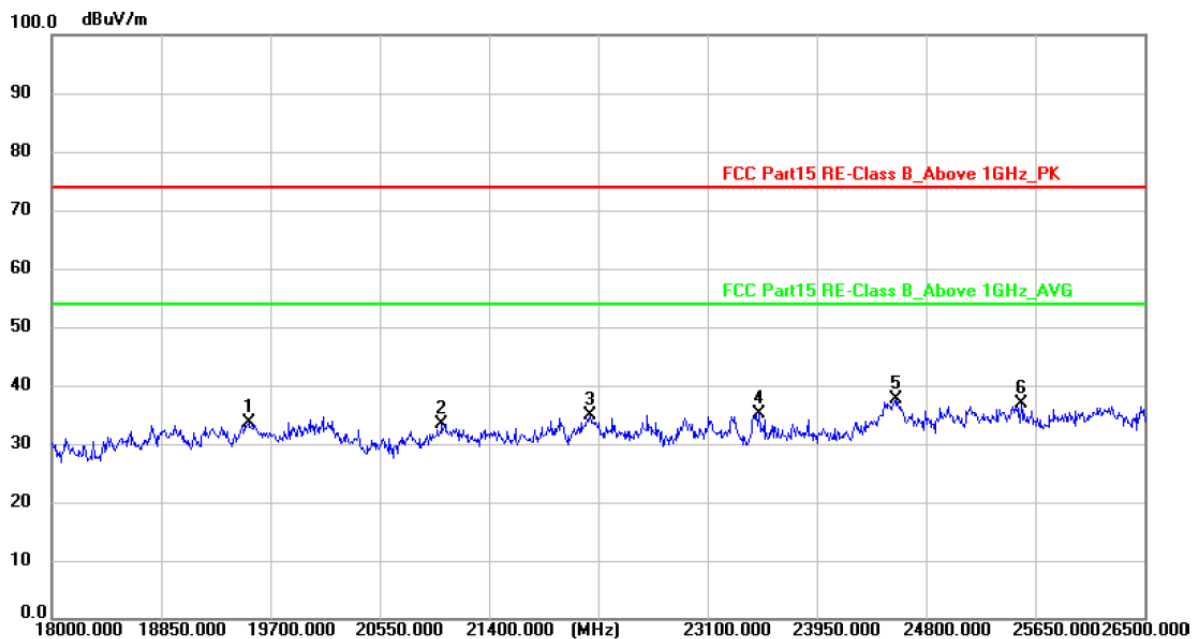


Note:

1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.
2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.
Result=Reading + Correct Factor, Margin= Result-Limit.

From 18GHz to 25GHz:	
Test Date : 2026.07.20	Temperature : 26℃
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : GFSK mode	
Test voltage : DC 3.7V	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. 4. Data from 18 GHz to 26.5 G and above is background noise, only B Mode TX Low channel test data was presented in the report.

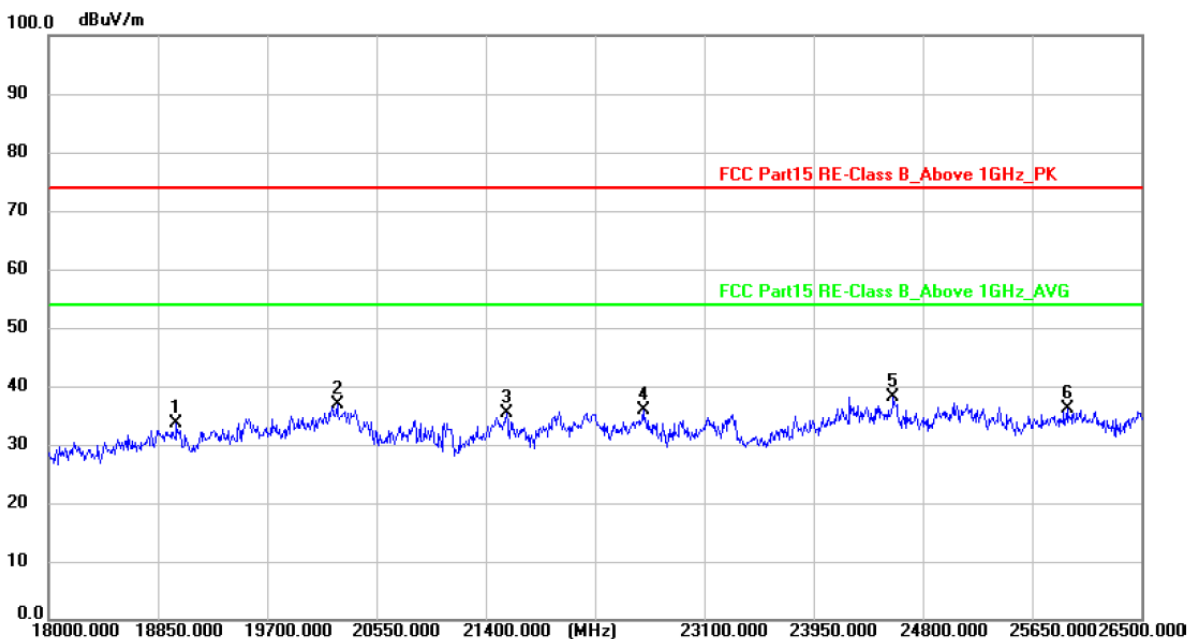
Test Mode : BLE 1M 2402MHz

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	19530.000	41.22	-7.66	33.56	74.00	-40.44	peak
2	21037.688	40.02	-6.68	33.34	74.00	-40.66	peak
3	22183.063	41.88	-7.07	34.81	74.00	-39.19	peak
4	23500.563	41.13	-6.05	35.08	74.00	-38.92	peak
5 *	24562.000	42.38	-4.84	37.54	74.00	-36.46	peak
6	25542.688	41.28	-4.33	36.95	74.00	-37.05	peak

Test Mode : BLE 1M 2402MHz

Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18998.750	41.25	-7.64	33.61	74.00	-40.39	peak
2	20246.125	44.27	-7.43	36.84	74.00	-37.16	peak
3	21566.813	42.32	-7.00	35.32	74.00	-38.68	peak
4	22631.438	42.59	-6.62	35.97	74.00	-38.03	peak
5 *	24577.938	43.03	-4.81	38.22	74.00	-35.78	peak
6	25924.125	40.55	-4.53	36.02	74.00	-37.98	peak

4. Power Line Conducted Emission

4.1. Test Limits

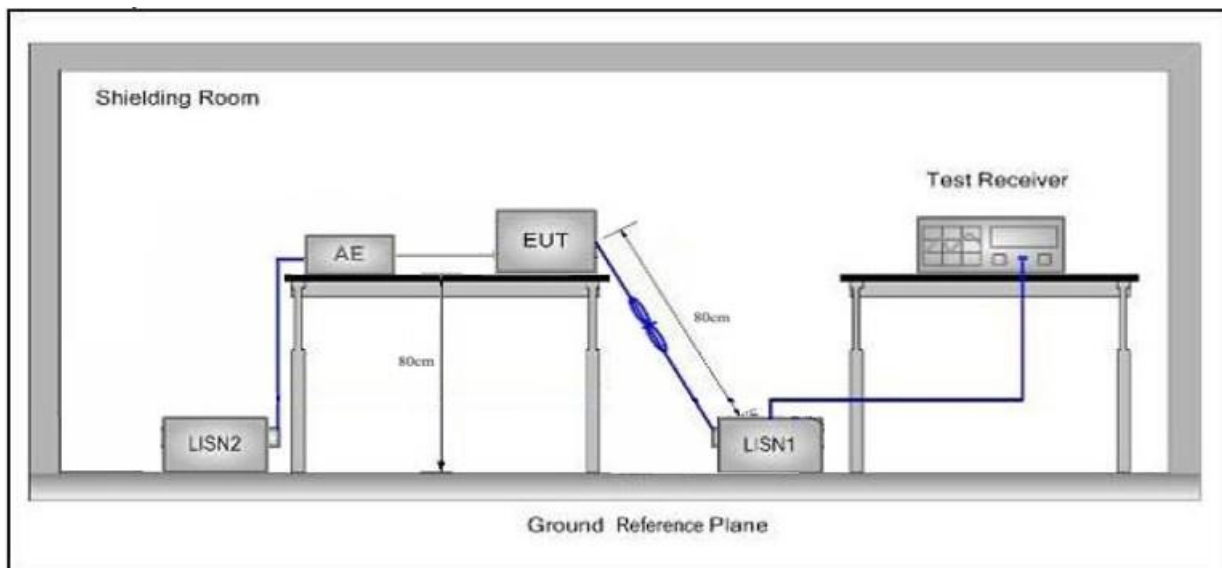
Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 -0.50	66 -56*	56 - 46*
0.50 -5.00	56	46
5.00 -30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
 2. The lower limit shall apply at the transition frequencies.
 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

4.2. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on Conducted Emission Measurement. The bandwidth of test receiver is set at 9 kHz.

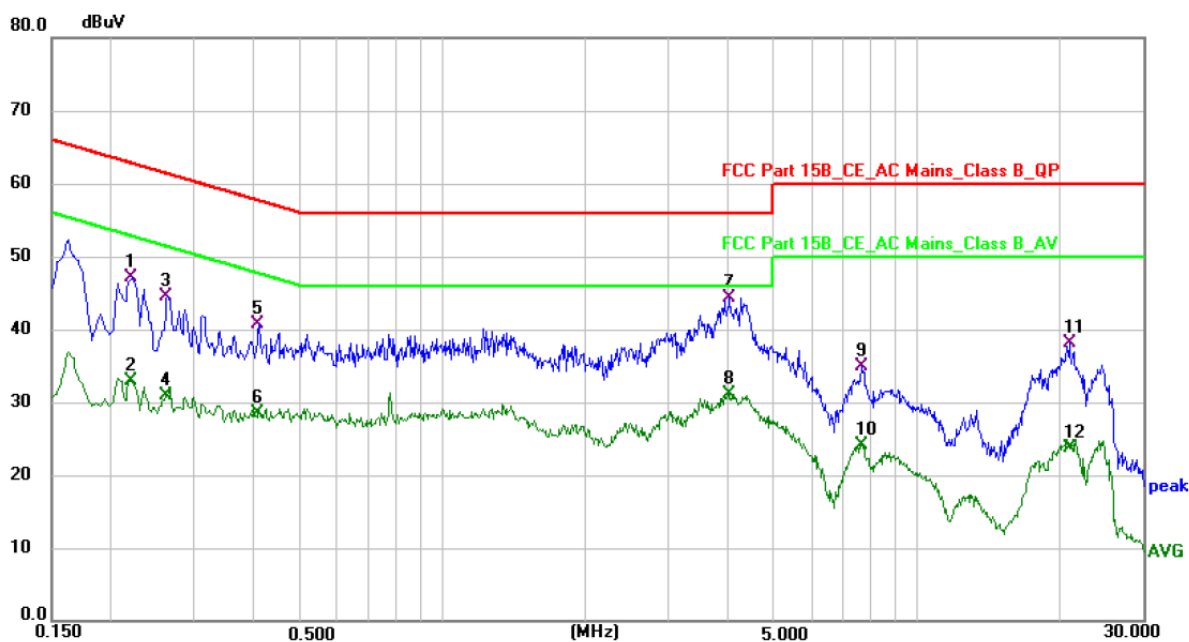
4.3. Test Setup



4.4. Test Results

Test Date	: 2026.04.24	Temperature	: 26℃
Test Engineer	: Felix Pang	Humidity	: 54%
Test Mode	: WIFI mode		
Test Voltage	: DC 3.3V		
Test Results	: PASS		
Note:	1. The test results are listed in next pages.		
	2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out.		
	3. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.		
	4. All modes have been tested, and only worst data of b mode, Channel 2412MHz was listed in this report.		

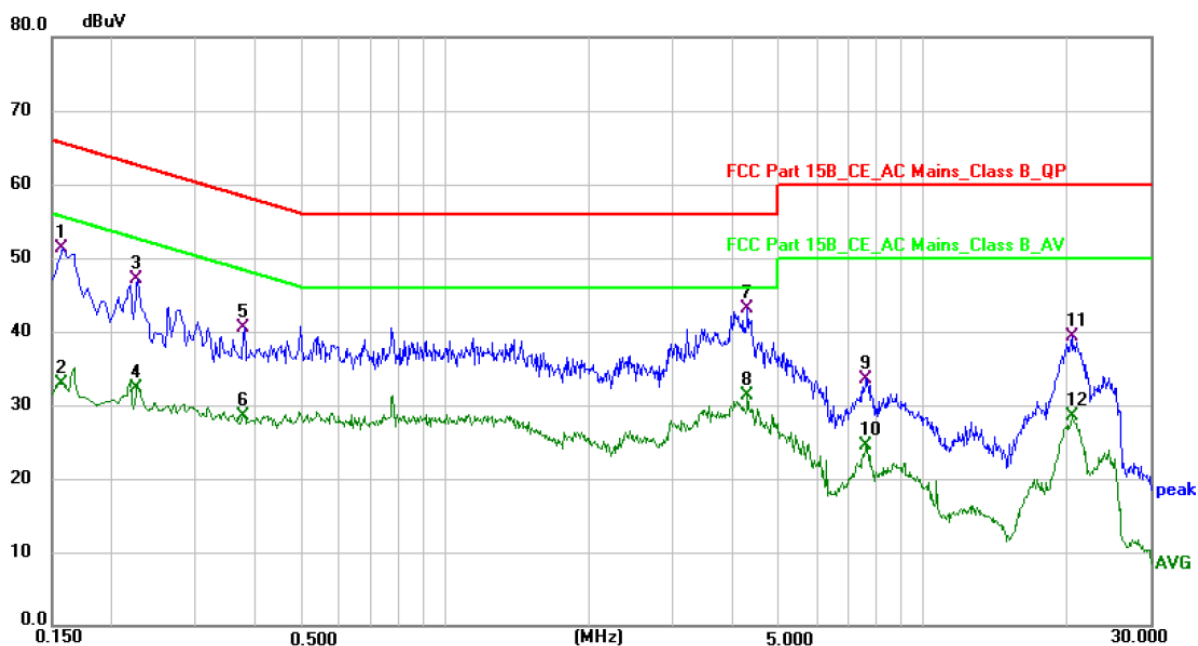
Polarization: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2220	37.63	9.40	47.03	62.74	-15.71	QP
2	0.2220	23.50	9.40	32.90	52.74	-19.84	AVG
3	0.2620	35.17	9.40	44.57	61.37	-16.80	QP
4	0.2620	21.54	9.40	30.94	51.37	-20.43	AVG
5	0.4100	31.30	9.43	40.73	57.65	-16.92	QP
6	0.4100	19.03	9.43	28.46	47.65	-19.19	AVG
7 *	4.0460	34.45	9.80	44.25	56.00	-11.75	QP
8	4.0460	21.28	9.80	31.08	46.00	-14.92	AVG
9	7.6860	25.08	9.75	34.83	60.00	-25.17	QP
10	7.6860	14.37	9.75	24.12	50.00	-25.88	AVG
11	21.0100	28.46	9.60	38.06	60.00	-21.94	QP
12	21.0100	14.16	9.60	23.76	50.00	-26.24	AVG

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	41.72	9.57	51.29	65.57	-14.28	QP
2	0.1580	23.37	9.57	32.94	55.57	-22.63	AVG
3	0.2260	37.70	9.40	47.10	62.60	-15.50	QP
4	0.2260	22.98	9.40	32.38	52.60	-20.22	AVG
5	0.3780	31.05	9.40	40.45	58.32	-17.87	QP
6	0.3780	19.16	9.40	28.56	48.32	-19.76	AVG
7 *	4.3100	33.53	9.60	43.13	56.00	-12.87	QP
8	4.3100	21.61	9.60	31.21	46.00	-14.79	AVG
9	7.6380	23.86	9.64	33.50	60.00	-26.50	QP
10	7.6380	14.78	9.64	24.42	50.00	-25.58	AVG
11	20.5060	29.95	9.35	39.30	60.00	-20.70	QP
12	20.5060	19.16	9.35	28.51	50.00	-21.49	AVG

Note: Level = Reading + Factor Margin = Level - Limit

5. Out-of-band Emissions

5.1. Test Limits

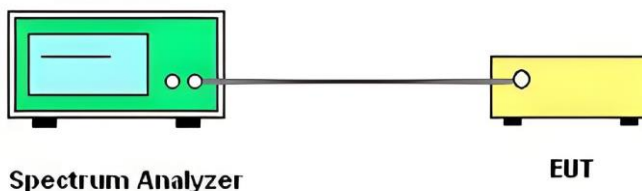
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the 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.

5.2. Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 11.11.1, Section 11.11.2, Section 11.11.3

Connect the transmitter output to spectrum analyzer using a low loss RF cable, and set the spectrum analyzer to RBW=100 kHz, VBW= 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, band edge and out-of-band emissions.

5.3. Test Setup



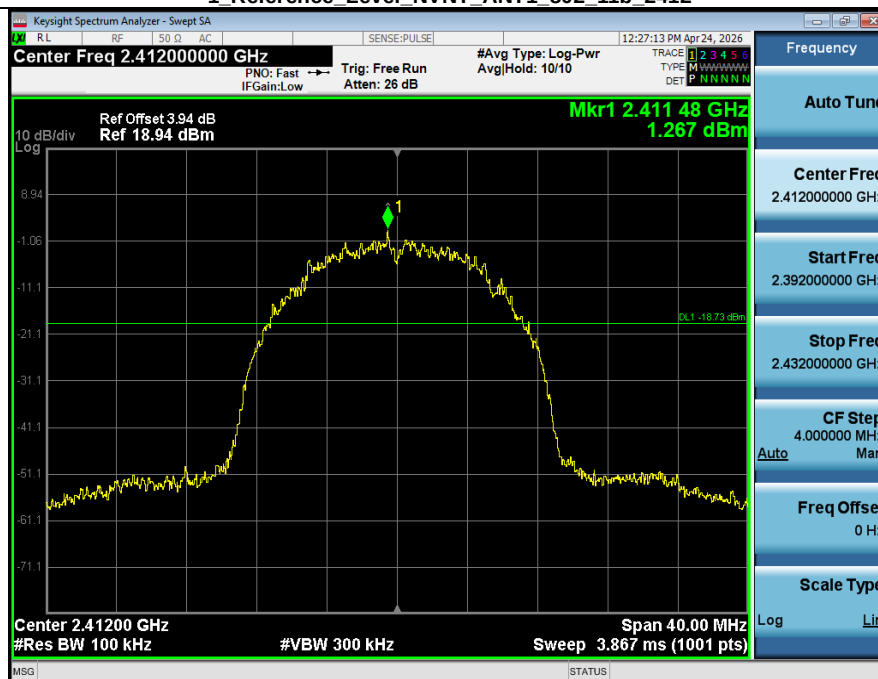
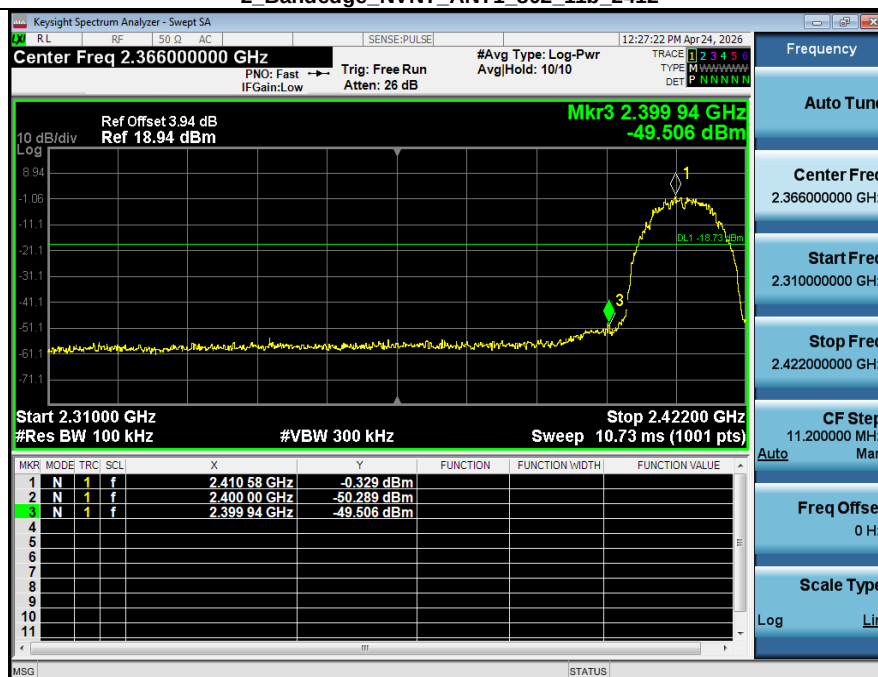
5.4. Test Results

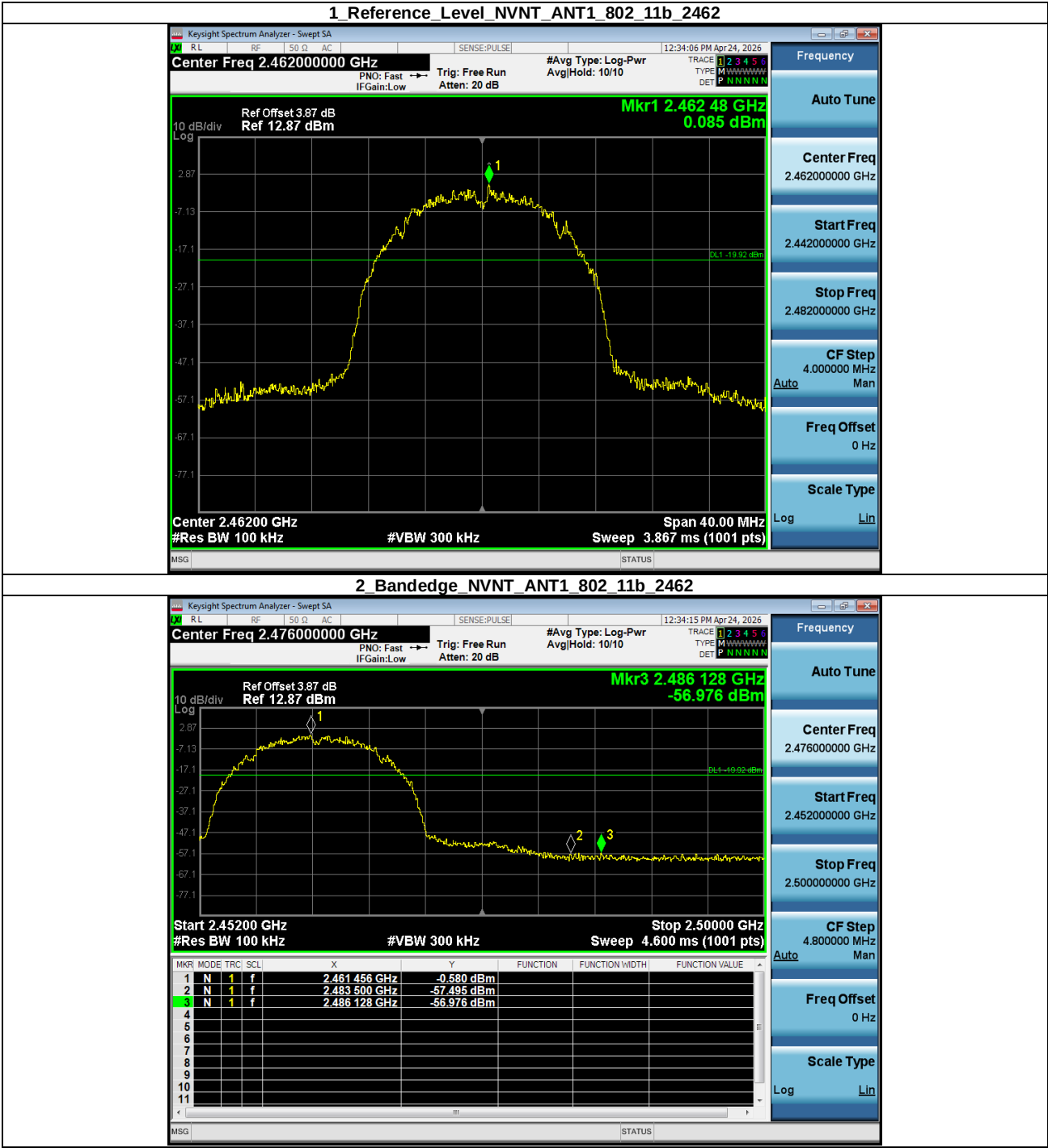
PASS.

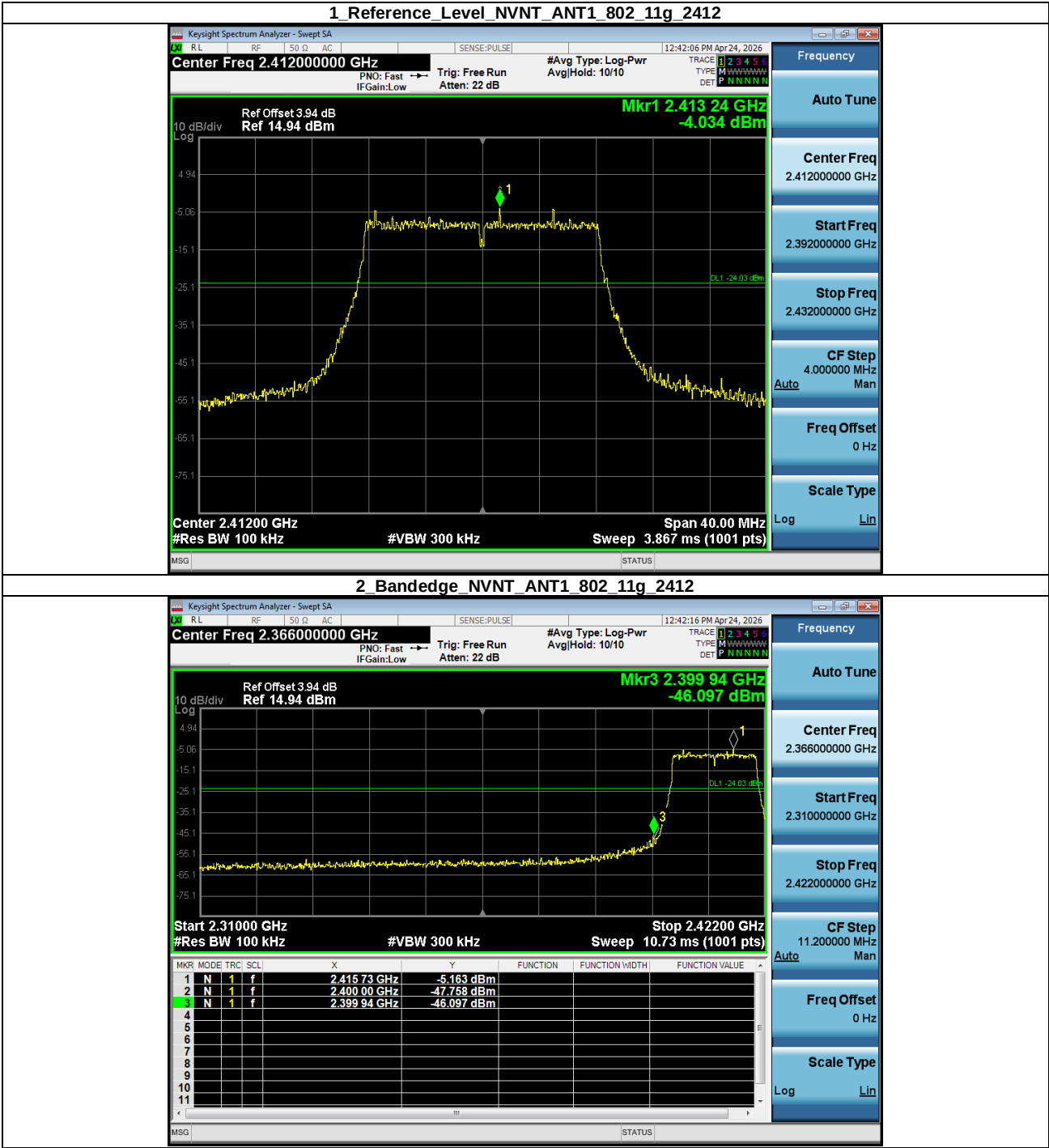
The test results are listed in next pages.

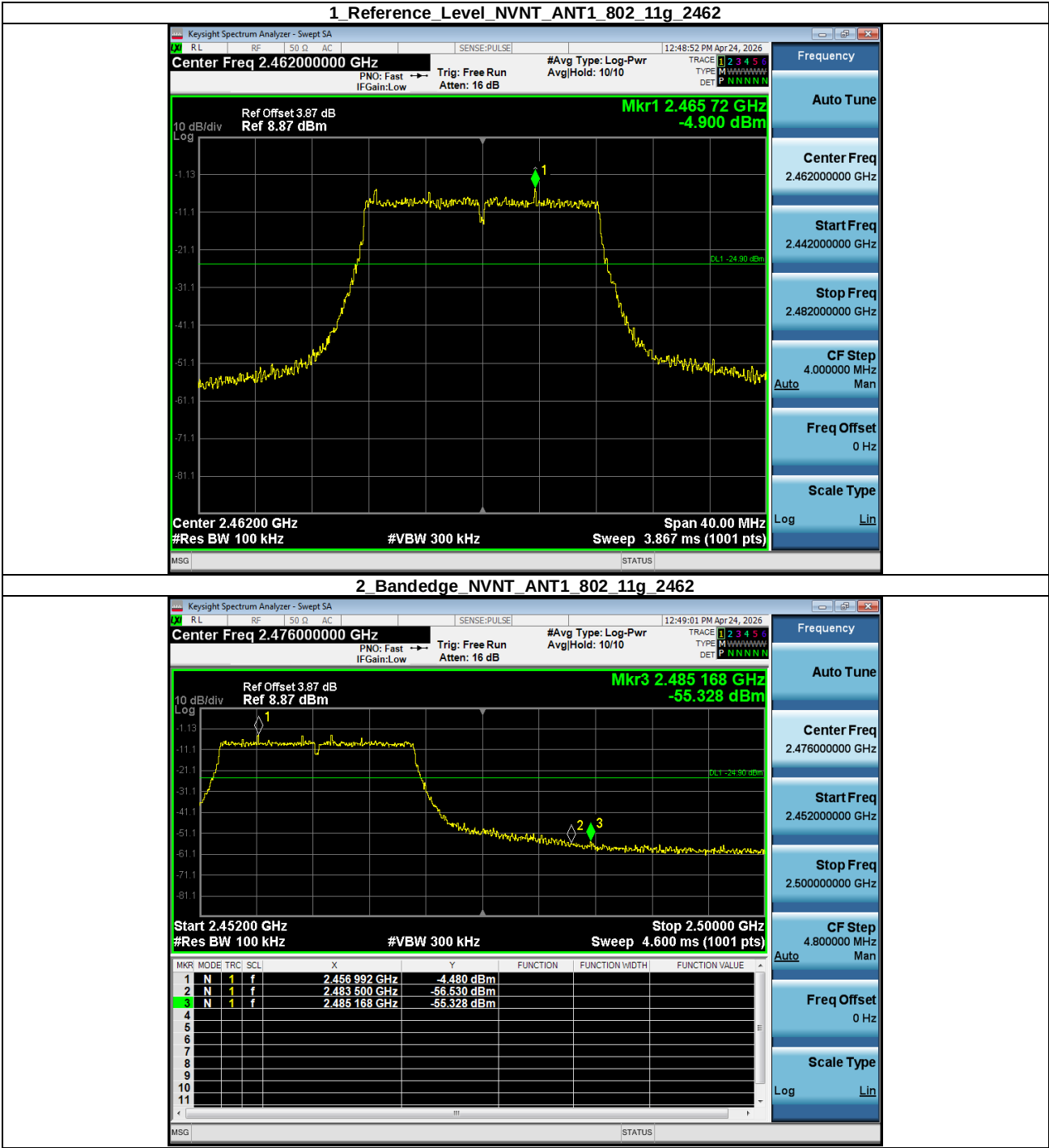
Band Edge: Pass

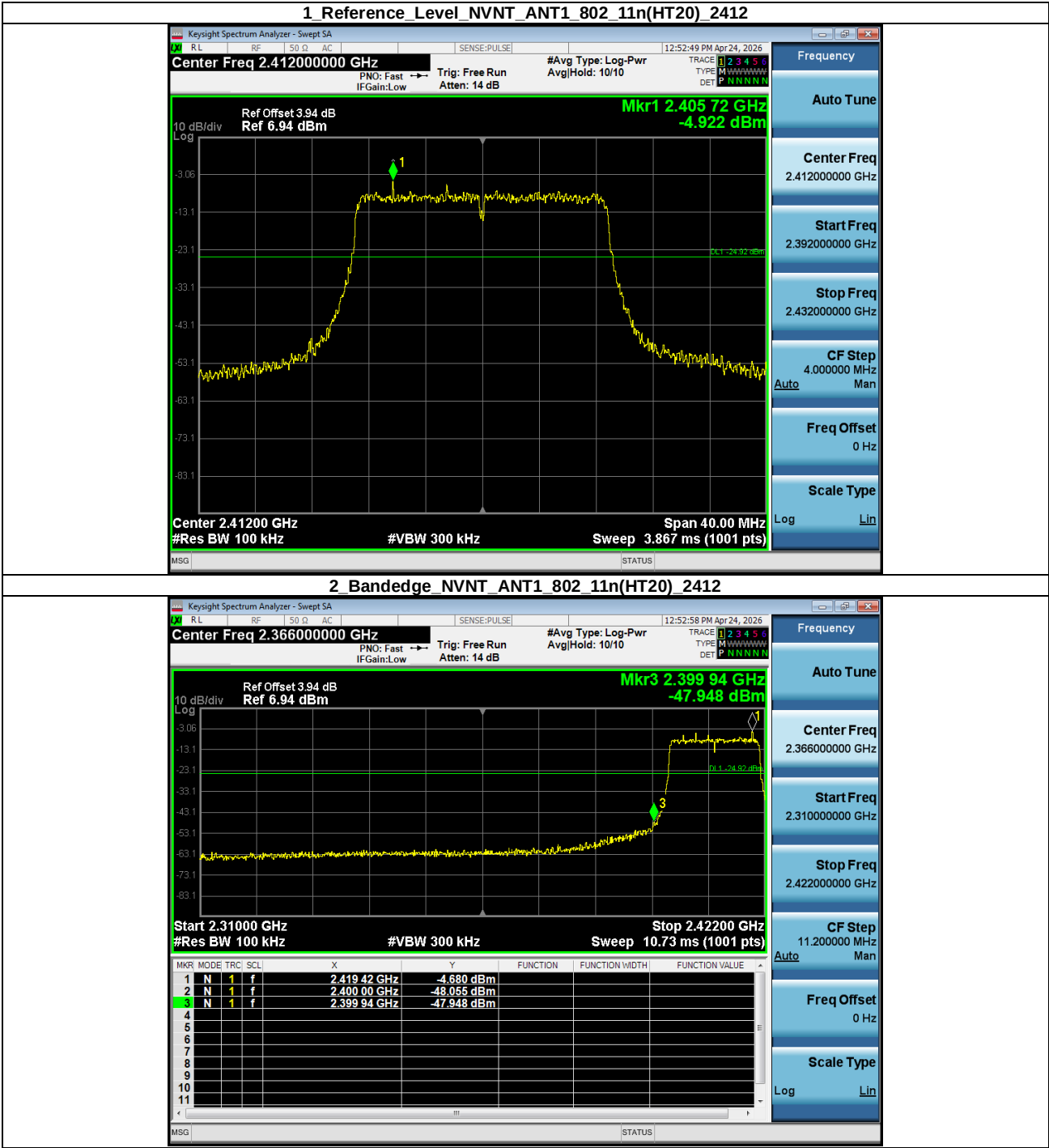
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	1.267	-49.506	-18.733	Pass
NVNT	ANT1	802.11b	2462.00	2486.128	0.085	-56.976	-19.915	Pass
NVNT	ANT1	802.11g	2412.00	2399.936	-4.034	-46.097	-24.034	Pass
NVNT	ANT1	802.11g	2462.00	2485.168	-4.900	-55.328	-24.900	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.936	-4.922	-47.948	-24.922	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.632	-4.913	-55.132	-24.913	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	-8.125	-45.031	-28.125	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2486.944	-8.486	-53.143	-28.486	Pass

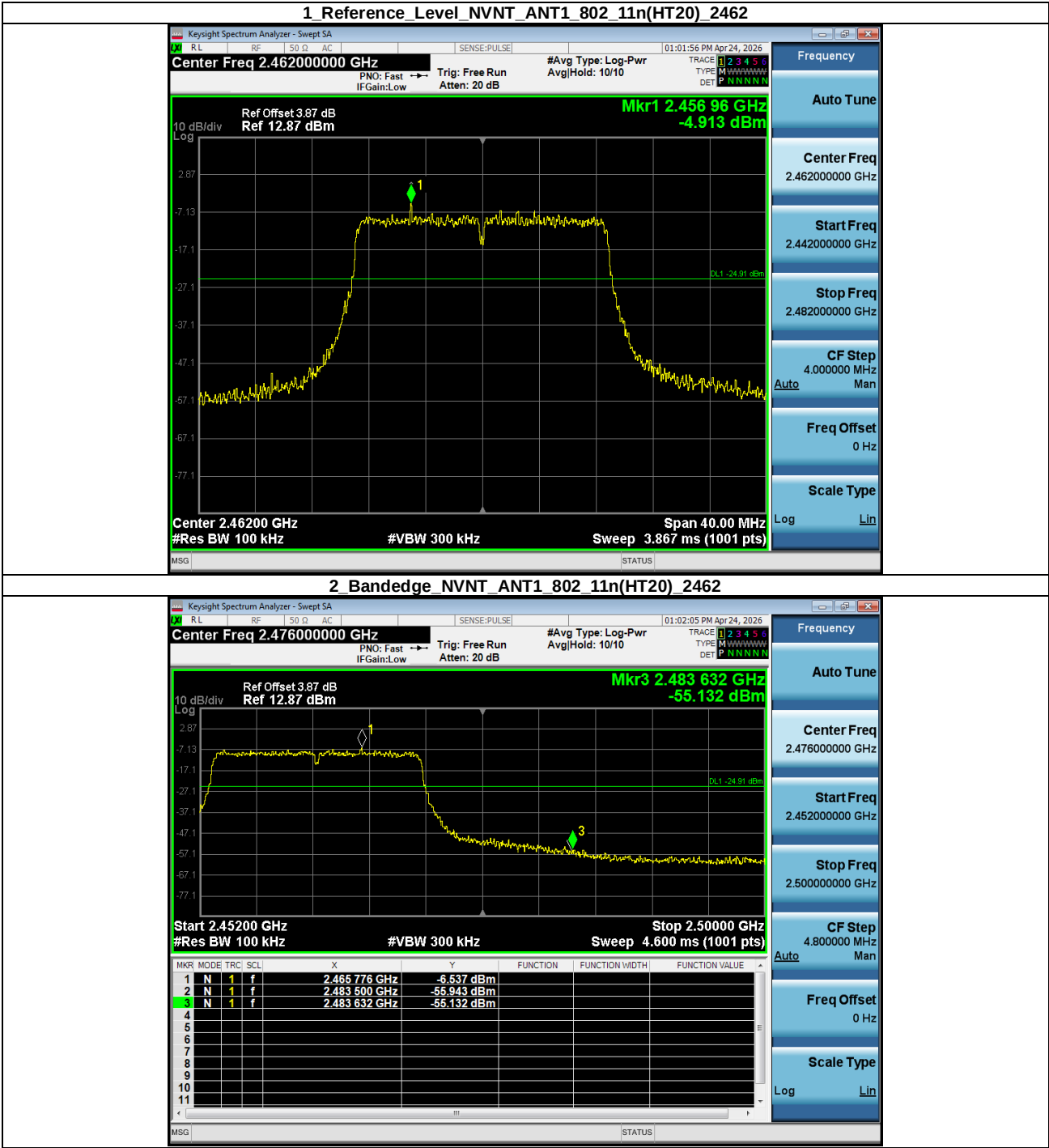
1 Reference Level NVNT ANT1 802 11b 2412**2 Bandedge NVNT ANT1 802 11b 2412**

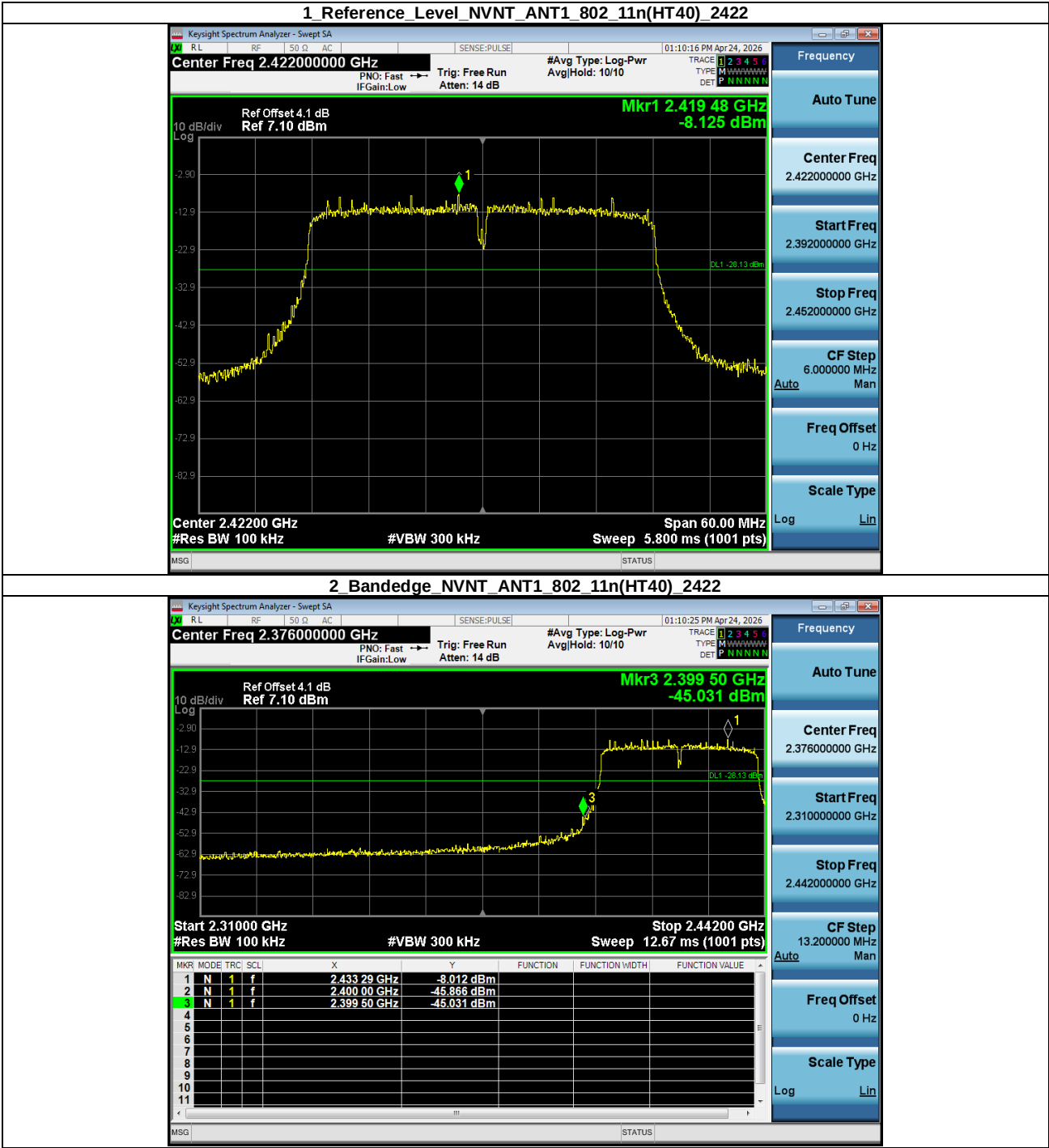


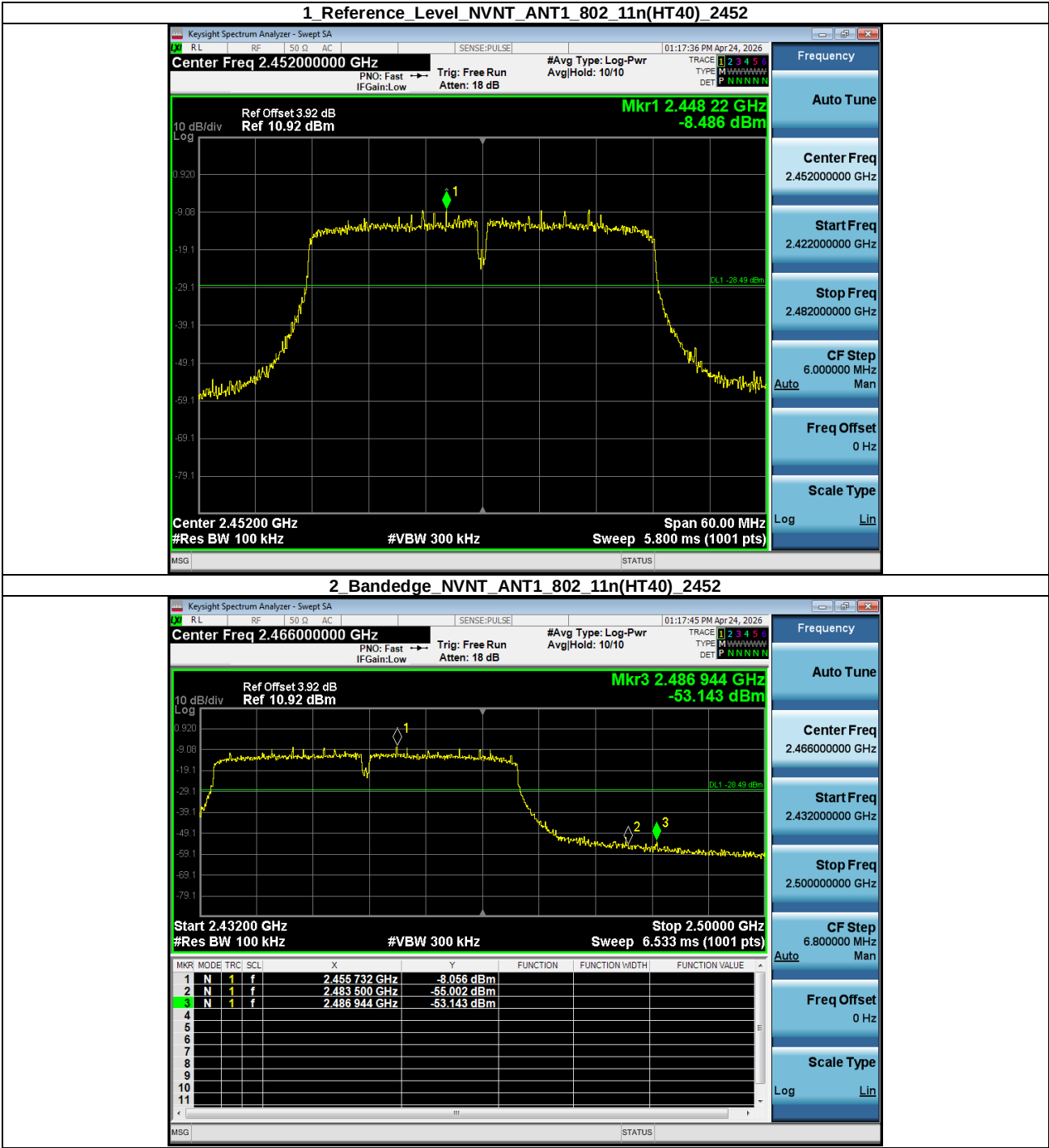












Conducted spurious emission: Pass

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24403.217	1.267	-47.120	-18.733	Pass
NVNT	ANT1	802.11b	2437.00	1945.199	-1.146	-37.139	-21.146	Pass
NVNT	ANT1	802.11b	2462.00	24558.031	0.085	-52.751	-19.915	Pass
NVNT	ANT1	802.11g	2412.00	24592.989	-4.034	-51.118	-24.034	Pass
NVNT	ANT1	802.11g	2437.00	24378.247	-5.183	-57.229	-25.183	Pass
NVNT	ANT1	802.11g	2462.00	2559.461	-4.900	-56.534	-24.900	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24533.061	-4.922	-59.090	-24.922	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2559.461	-4.728	-56.304	-24.728	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24510.588	-4.913	-51.712	-24.913	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	1945.199	-8.125	-43.358	-28.125	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24655.414	-8.619	-54.434	-28.619	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24360.768	-8.486	-55.216	-28.486	Pass