

FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Intel BE200

MODEL NUMBER: BE200NGW

REPORT NUMBER: 4792146700.1-RF-5

ISSUE DATE: Feb 25, 2026

FCC ID: 2BSYS-A2515

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	2/25/2026	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2020+Cor 1-2023, Clause 6.2	FCC Part 15.207	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2020+Cor 1-2023, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Conducted Output Power	ANSI C63.10-2020+Cor 1-2023, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3)	Pass
Power Spectral Density	ANSI C63.10-2020+Cor 1-2023, Clause 11.10.5	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2020+Cor 1-2023, Clause 11.11	FCC Part 15.247(d)	Pass
Radiated Band edge and Spurious Emission	ANSI C63.10-2020+Cor 1-2023, Clause 11.12	FCC Part 15.247 (d) FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2020+Cor 1-2023, Clause 11.6	None; for reporting purposes only.	Pass

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <FCC 47 CFR PART 15 SUBPART C

Note: The antenna gain of EUT is smaller than that of the RF module(FCC ID:2BSYS-A2515). So in this report the Radiated Spurious Emission, output power items were evaluated and recorded in the report. For the test results of all other test items please refer to module test reports.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Financial Future(Beijing) Information Technology Co., Ltd.
Address: Room 12-01, 10th Floor, Building 38, Haidian Street, Haidian District, Beijing

Manufacturer Information

Company Name: Financial Future(Beijing) Information Technology Co., Ltd.
Address: Room 12-01, 10th Floor, Building 38, Haidian Street, Haidian District, Beijing

EUT Information

EUT Name: Intel BE200
Model: BE200NGW
Sample Received Date: Feb 10, 2026
Sample Status: Normal
Sample ID: 9445241
Date of Tested: Feb 10, 2026- Feb 25, 2026

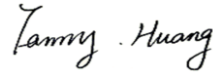
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR PART 15 SUBPART C	Pass

Prepared By:



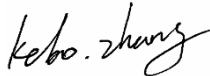
Johnson Liu
Laboratory Engineer

Checked By:



Fanny Huang
Project Engineer

Approved By:



Kebo Zhang
Operations Leader

2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC 47 CFR PART 15 SUBPART C , KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, FCC 47 CFR Part 2, ANSI C63.10-2020+Cor 1-2023

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
Duty Cycle	±0.028%
DTS and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.686 dB
Maximum Power Spectral Density Level	±0.743 dB
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Intel BE200
Model	BE200NGW

Frequency Range:	2412 MHz to 2462 MHz
Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK), IEEE 802.11g/n: OFDM(64-QAM, 16-QAM, QPSK, BPSK), IEEE 802.11ax: OFDMA(1024-QAM, 64-QAM, 16-QAM, QPSK, BPSK), IEEE 802.11be: OFDMA(4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Radio Technology:	IEEE 802.11b/g/n HT20/HT40/ax HE20/ HE40/be EHT20/ EHT40
Normal Test Voltage:	DC 20V powered by an external adapter

5.2. CHANNEL LIST

Channel List For Bandwidth=20 MHz							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452	/	/
2	2417	6	2437	10	2457	/	/
3	2422	7	2442	11	2462	/	/
4	2427	8	2447	/	/	/	/

5.3. MAXIMUM POWER

IEEE Std. 802.11	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)
b	2412 ~ 2462	1-11[11]	22.61
g	2412 ~ 2462	1-11[11]	21.14
n HT20	2412 ~ 2462	1-11[11]	23.42
n HT40	2412 ~ 2462	1-11[11]	20.70
ax HE20	2412 ~ 2462	1-11[11]	22.91
ax HE40	2412 ~ 2462	1-11[11]	20.84
be EHT20	2412 ~ 2462	1-11[11]	22.91
be EHT40	2412 ~ 2462	1-11[11]	20.84

5.4. TEST CHANNEL CONFIGURATION

IEEE Std. 802.11	Test Channel Number	Frequency
b	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel), CH12, CH13	2412 MHz, 2437 MHz, 2462 MHz
g	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel), CH12, CH13	2412 MHz, 2437 MHz, 2462 MHz
n HT20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel), CH12, CH13	2412 MHz, 2437 MHz, 2462 MHz
n HT40	CH 3(Low Channel), CH 6(MID Channel), CH 9(High Channel)	2422 MHz, 2437 MHz, 2452 MHz
ax HE20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel), CH12, CH13	2412 MHz, 2437 MHz, 2462 MHz
ax HE40	CH 3(Low Channel), CH 6(MID Channel), CH 9(High Channel)	2422 MHz, 2437 MHz, 2452 MHz
be EHT20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel), CH12, CH13	2412 MHz, 2437 MHz, 2462 MHz
be EHT40	CH 3(Low Channel), CH 6(MID Channel), CH 9(High Channel)	2422 MHz, 2437 MHz, 2452 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band	
Test Software	DRTU Tool

Mode	Freq(MHz)	Tx power level
802.11b	2412	Default
	2437	Default
	2462	Default
802.11g	2412	Default
	2437	Default
	2462	Default
802.11n 20/ax HE20/be EHT20	2412	Default
	2437	Default
	2462	Default
802.11n 40/ax HE40/be EHT40	2422	Default
	2437	Default
	2452	Default

The EUT was tested in the following configuration(s):

Controlled in test mode using a software application on the EUT supplied by customer. The application was used to enable continuous transmission and to select the mode, test channels, bandwidth, data rates as required.

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

Worst-case data rates as provided by the client were:

802.11b mode: 1 Mbps
802.11g mode: 6 Mbps
802.11n HT20 mode: MCS0
802.11ax HE20 mode: MCS0
802.11ax HE40 mode: MCS0
802.11be EHT20 mode: MCS0
802.11be EHT40 mode: MCS0

802.11b/g only support SISO mode.

802.11n HT20/ HT40/ax HE20/ HE40/be EHT20/ EHT40 support SISO and MIMO mode.

802.11b/g SISO mode, Antenna 0 and Antenna 1 have the same power setting, the antenna gain of antenna 0 is greater than antenna 1, so only Antenna 0 worst case test data were recorded in the report.

802.11n/ax/be SISO mode and MIMO mode have the same power setting, so only the worst case power mode(MIMO) will be record in the report.

The measured additional path loss was included in any path loss calculations for all RF cables used during tested.

Conducted output power, power spectral density tests separately on each port with all supported SISO & MIMO port combinations.

Conducted band edge and spurious emissions tests were performed with SISO mode, as this port was found to have the worst case in terms of power settings amongst all supported possible SISO & MIMO port combinations.

Duty cycle and 6dB DTS bandwidth/occupied channel bandwidth tests, only SISO mode and one chain were tested since the duty cycle and bandwidth does not change depending on chains used.

Radiated emissions tests were performed with the MIMO modes. These were found to be the worst modulation scheme with regards to emissions after preliminary investigations and, as this mode emits the highest conducted output power level, it was deemed to be the worst case.

The EUT supports Cyclic Shift Diversity (CDD), Space Time Coding (STBC) modes. They use the same conducted power per chain in any given mode, so we only chose the worst-case mode CDD for final testing.

For RU test configuration:

802.11ax/be mode supports OFDMA partial RU mode.

802.11be supports Multiple RU mode (52 tone+26 tone/106 tone+26 tone).

Because the SU (Single User) case is slightly different to the equivalent fully loaded channel RU (e.g. 242 Tone occupies the full 20MHz channel but is slightly different to the fully loaded 20 MHz channel RU), after preliminary investigation that we compared the power of Full RU mode and SU mode and determined that SU mode was the worst mode in all cases. Therefore, the RU size 242 tone power PSD and the other data was omitted from testing, only the worst SU mode data was recorded in the report.

DTS bandwidth was performed to measure the minimum 6dB bandwidth. Therefore, for DTS bandwidth, only the RU configuration with the minimum 6dB bandwidth from the 26-tone mode was recorded in the report.

99% bandwidth was performed to measure the maximum occupied bandwidth. So, for 99% bandwidth, only the maximum bandwidth from SU mode was recorded in this report.

Conducted band edge and radiated band edge were performed to measure the emission impact outside the working channel when the EUT is operational. Therefore, after preliminary investigation, we determined the lowest index of each RU tone type for measuring low channels and the highest index of each RU tone type for high channels as the worst case.

Conducted spurious and radiated spurious emissions were performed with the EUT set to transmit at the highest power and highest PSD modes. Based on the test results, the maximum power and maximum PSD are both in 802.11ax HE20 26 tone mode. So, for this item, only 802.11ax HE20 26 tone mode and 802.11b (different modulation) test data were recorded in the report.

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	PIFA	2.79
2	2412-2462	PIFA	2.86

MIMO output power port and MIMO PSD port summing were performed in accordance with KDB 662911 D01.

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	☒ 2TX, 2RX	ANT 1 or ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11g	☒ 2TX, 2RX	ANT 1 or ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11n HT40	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE20	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE40	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11be EHT20	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11be EHT40	☒ 2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.

Note: 1. The value of the antenna gain was declared by customers.

5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remark
/	/	/	/	/

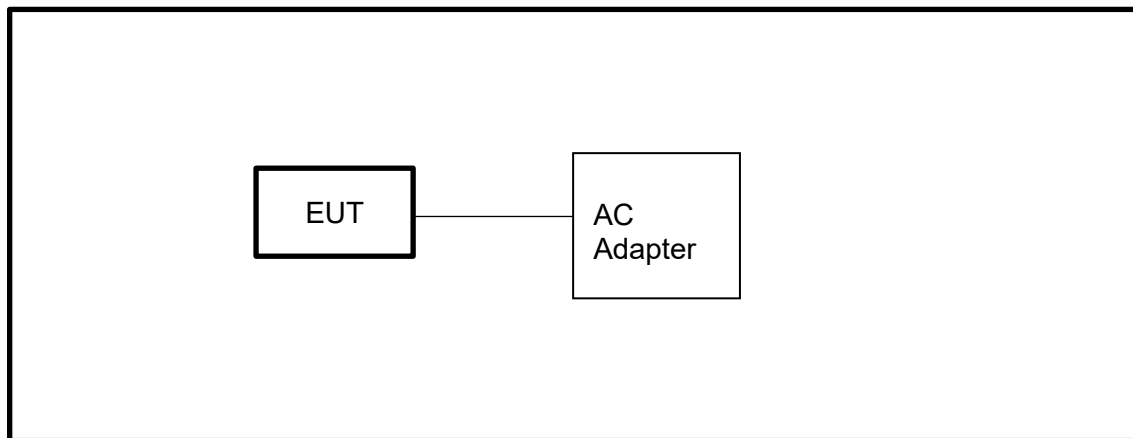
I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
/	/	/	/	/	/

ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

SETUP DIAGRAM FOR TESTS



Note: AC Adaptor only use for AC POWER LINE CONDUCTED EMISSION test

6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Power sensor, Power Meter	R&S	OSP120	100921	Dec.26,2025	Dec.25,2026
Power sensor, Power Meter	R&S	OSP120	100921	Dec.26,2025	Dec.25,2026
Vector Signal Generator	R&S	SMBV100A	261637	Sep.12, 2025	Sep.11, 2026
Signal Generator	R&S	SMB100A	178553	Sep.12, 2025	Sep.11, 2026
Signal Analyzer	R&S	FSV40	101118	Sep.12, 2025	Sep.11, 2026
Software					
Description	Manufacturer		Name	Version	
For R&S TS 8997 Test System	Rohde & Schwarz		EMC 32	10.60.10	
Tonsend RF Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Wireless Connectivity Tester	R&S	CMW270	1201.0002N75-102	Sep.12, 2025	Sep.11, 2026
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Sep.12, 2025	Sep.11, 2026
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Sep.12, 2025	Sep.11, 2026
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Sep.12, 2025	Sep.11, 2026
DC power supply	TSSTAKASAGO	ZX-400L	409150160137	Sep.12, 2025	Sep.11, 2026
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Sep.12, 2025	Sep.11, 2026
Attenuator	Aglient	8495B	2814a12853	Sep.12, 2025	Sep.11, 2026
RF Control Unit	Tonscend	JS0806-2	23B80620666	Dec.26,2025	Dec.25,2026
Software					
Description	Manufacturer	Name		Version	
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System		V3.2.22	

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Sep.12, 2025	Sep.11, 2026
Two-Line V-Network	R&S	ENV216	101983	Sep.12, 2025	Sep.11, 2026
Software					
Description			Manufacturer	Name	Version
Test Software for Conducted Emissions			Farad	EZ-EMC	Ver. UL-3A1

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep.12, 2025	Sep.11, 2026
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.12, 2025	Sep.11, 2026
EMI Measurement Receiver	R&S	ESR26	101377	Sep.12, 2025	Sep.11, 2026
Horn Antenna	TDK	HRN-0118	130940	Dec.10, 2024	Dec.11, 2027
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.12, 2025	Sep.11, 2026
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.12, 2025	Sep.11, 2026
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.12, 2025	Sep.11, 2026
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Sep.12, 2025	Sep.11, 2026
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	Sep.12, 2025	Sep.11, 2026
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Sep.16, 2025	Sep.15, 2026
Barometer	Yiyi	Baro	N/A	Sep.19, 2025	Sep.18, 2026
Attenuator	Agilent	8495B	2814a12853	Sep.12, 2025	Sep.11, 2026

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

FCC 47 CFR Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 47 CFR 15.247(b)(3)	AVG Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

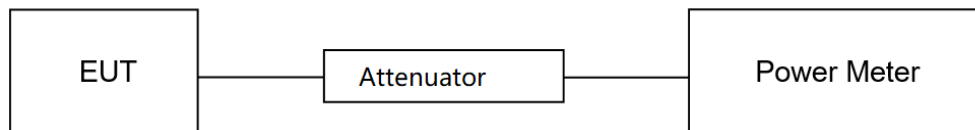
Refer to ANSI C63.10-2020+Cor 1-2023 clause 11.9.2.3.1.

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the average output power, after any corrections for external attenuators and cables.

The test result in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.2°C	Relative Humidity	59.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 20V

TEST DATE / ENGINEER

Test Date	Feb 25, 2026	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix A

8. RADIATED TEST RESULTS

LIMITS

Please refer to FCC 47 CFR §15.205 and §15.209.

Please refer to ISED RSS-GEN Clause 8.9 and Clause 8.10.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
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

ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz		
Frequency	Magnetic field strength (H-Field) (uA/m)	Measurement distance (m)
9 - 490 kHz ^{Note 1}	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

ISED Restricted bands please refer to ISED RSS-GEN Clause 8.10

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC Restricted bands of operation refer to FCC §15.205 (a):

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)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

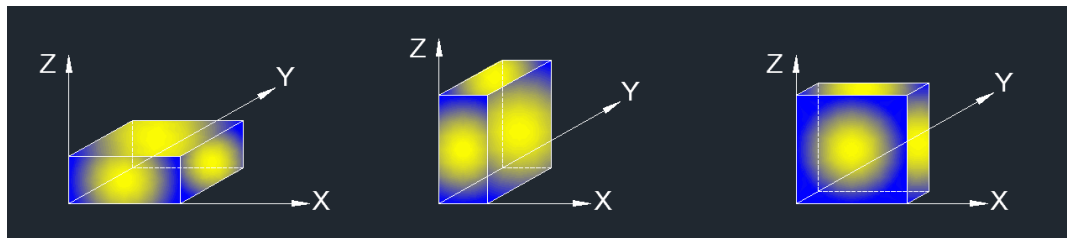
Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

For Restricted Bandedge:

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. PK=Peak: Peak detector.
4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All antennas and modes have been tested, but only the worst data was recorded in the report.
5. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}[120\pi] = \text{dBuV/m} - 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All antennas and modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (3 GHz ~ 18 GHz):

Note:

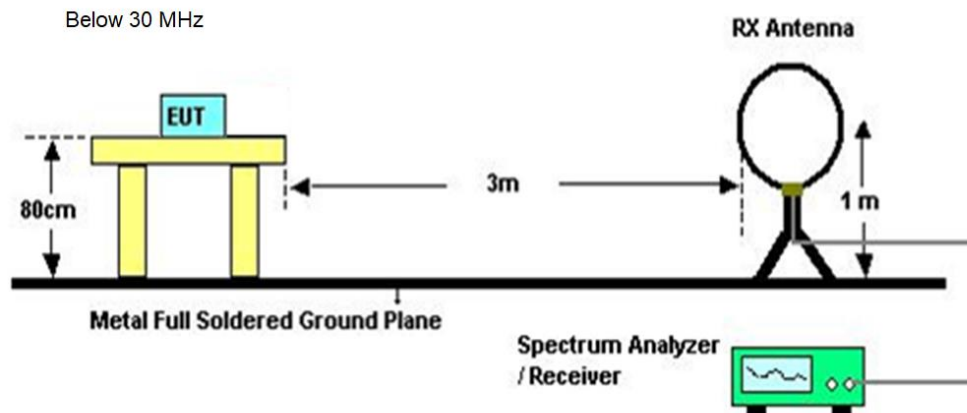
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: $VBW=1/T_{on}$, where: T_{on} is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

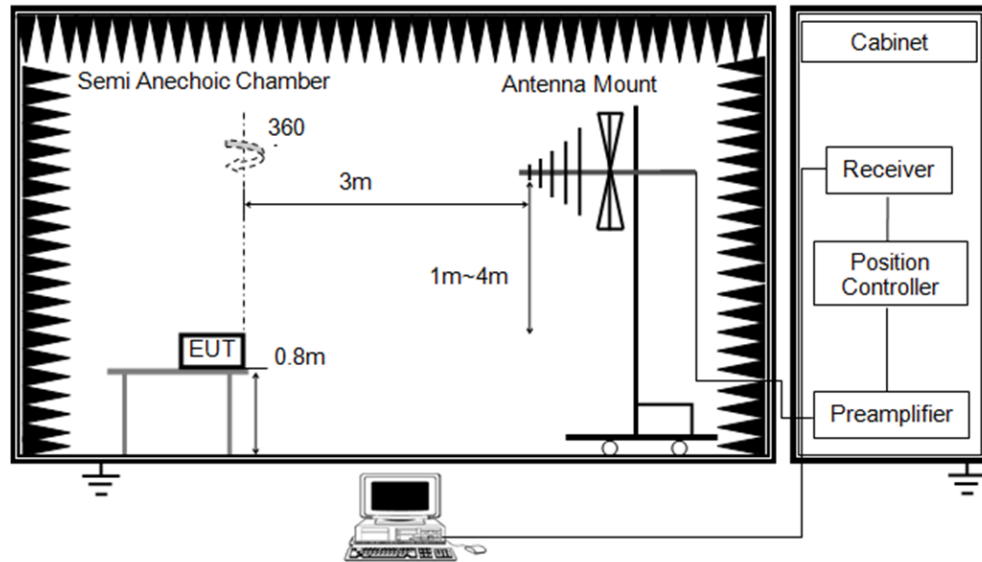
Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All antennas and modes have been tested, but only the worst data was recorded in the report.

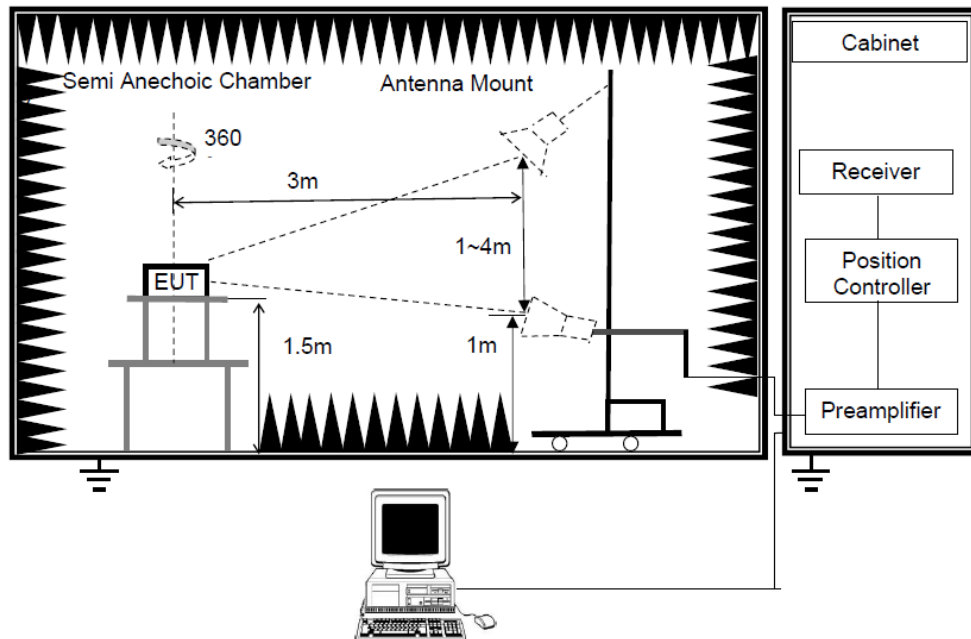
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	20.6°C	Relative Humidity	58.2%
Atmosphere Pressure	101kPa	Test Voltage	DC 20V

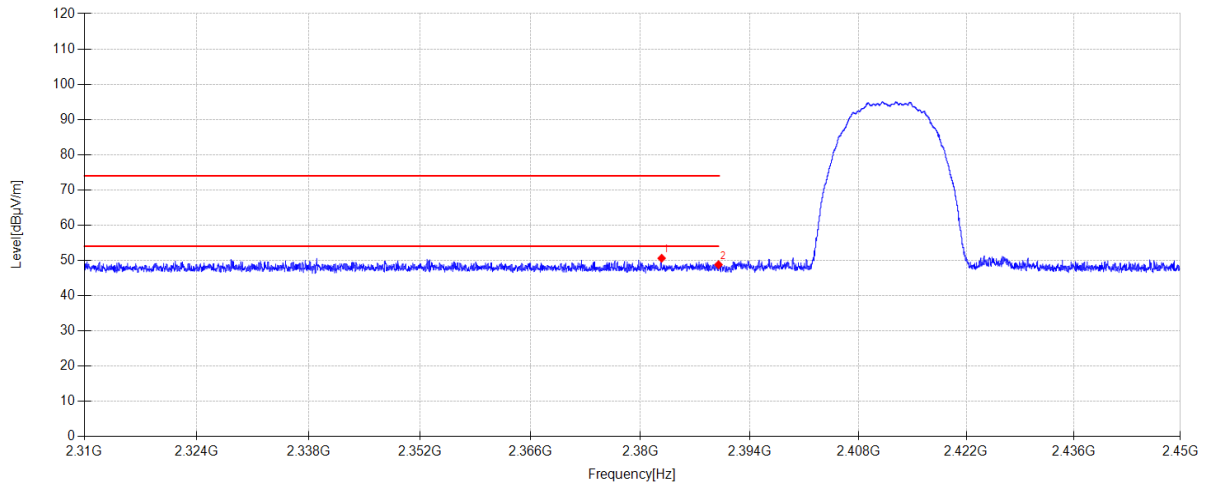
TEST DATE / ENGINEER

Test Date	Feb 10, 2026	Test By	Stipe Zheng
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TEST RESULTS

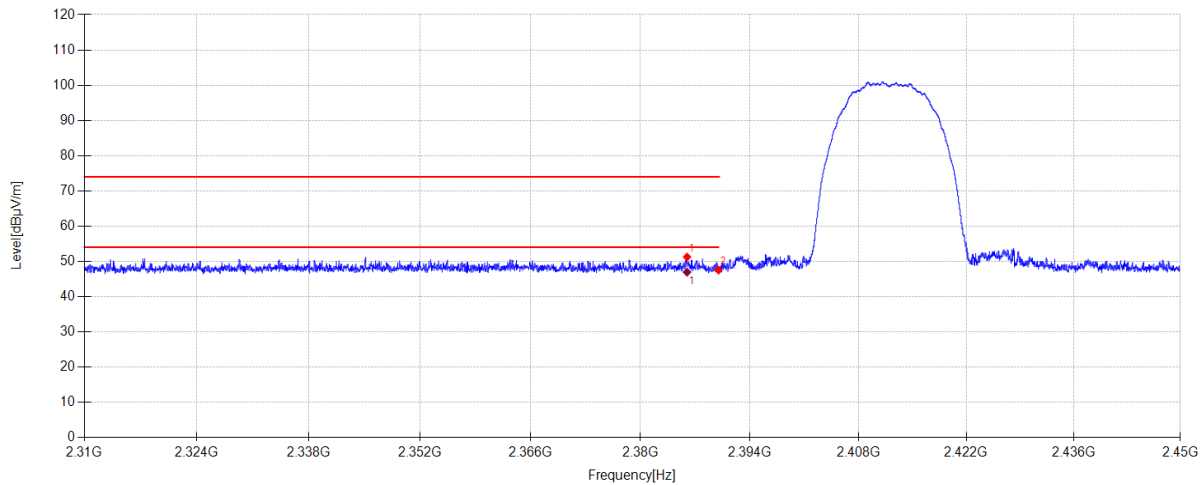
8.1. RESTRICTED BANDEDGE

Test Mode:	802.11b ANT1	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2382.716	19.34	27.50	3.77	0.00	50.61	74.00	23.39	PK
2	2390.000	17.55	27.46	3.78	0.00	48.79	74.00	25.21	PK

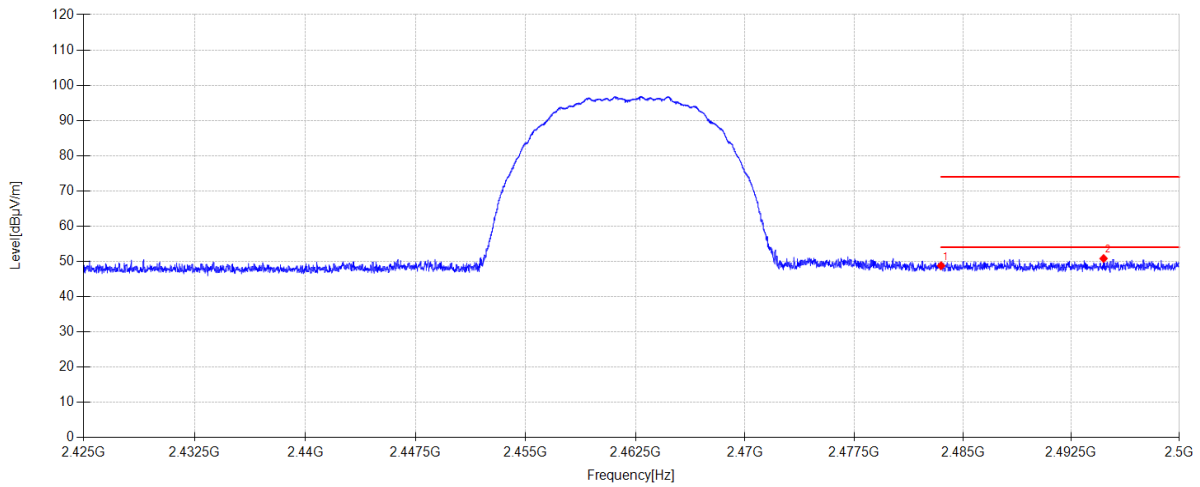
Test Mode:	802.11b ANT1	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2385.964	20.00	27.48	3.77	0.00	51.25	74.00	22.75	PK
2	2390.000	16.28	27.46	3.78	0.00	47.52	74.00	26.48	PK

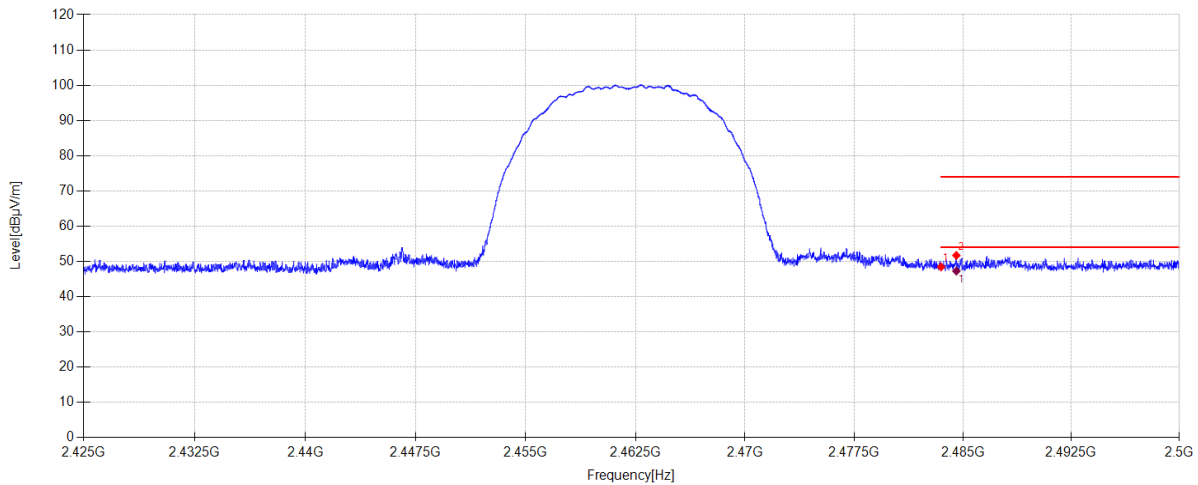
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2385.964	15.69	27.48	3.77	46.94	54.00	7.06	AV

Test Mode:	802.11b ANT1	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.35	27.54	3.88	0.00	48.77	74.00	25.23	PK
2	2494.743	19.28	27.65	3.89	0.00	50.82	74.00	23.18	PK

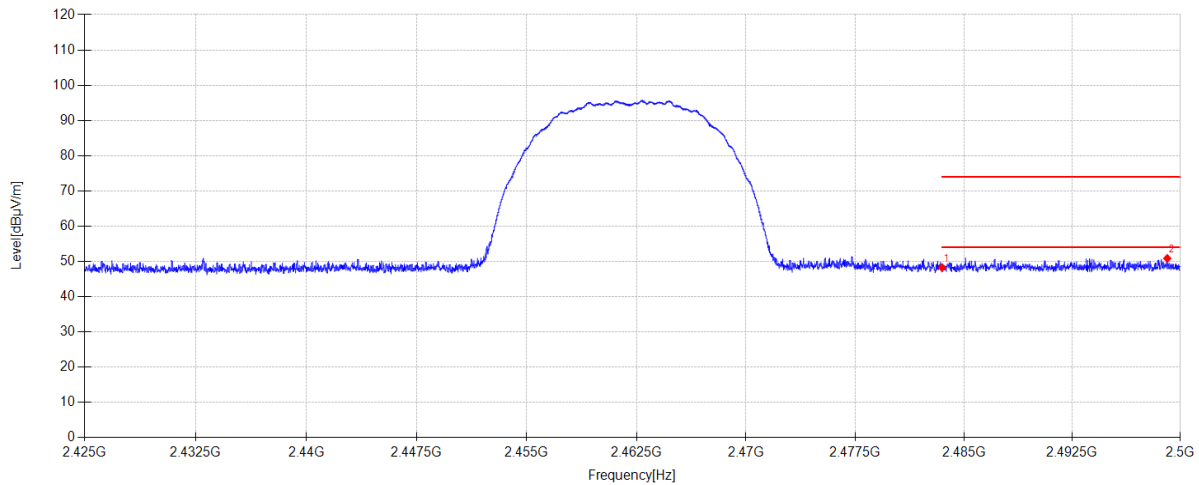
Test Mode:	802.11b ANT1	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.02	27.54	3.88	0.00	48.44	74.00	25.56	PK	Vertical
2	2484.558	20.27	27.55	3.88	0.00	51.70	74.00	22.30	PK	Vertical

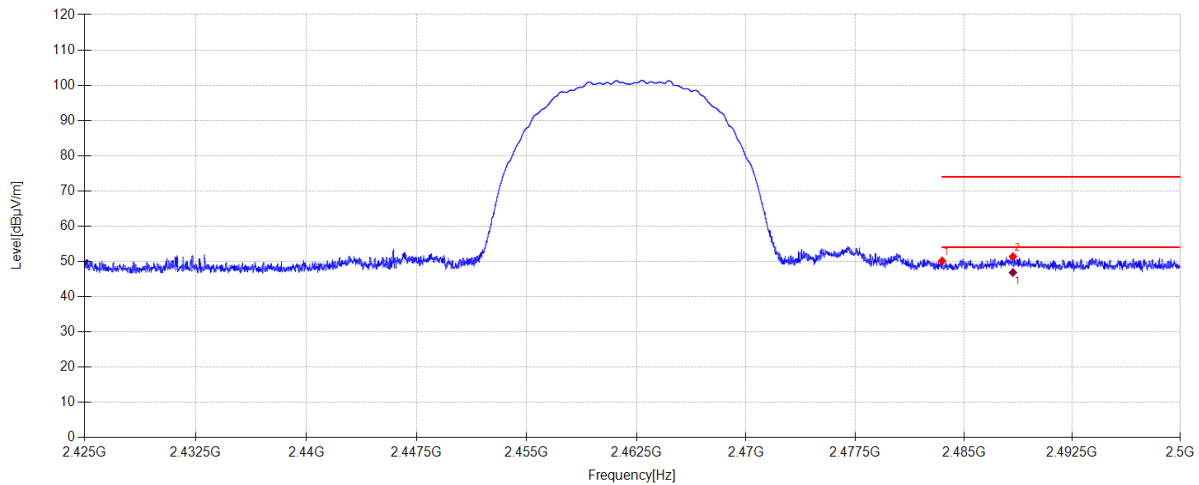
Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2484.558	15.84	27.55	3.88	47.27	54.00	6.73	AV	Vertical

Test Mode:	802.11b ANT2	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	16.85	27.54	3.88	0.00	48.27	74.00	25.73	PK
2	2499.093	19.28	27.69	3.89	0.00	50.86	74.00	23.14	PK

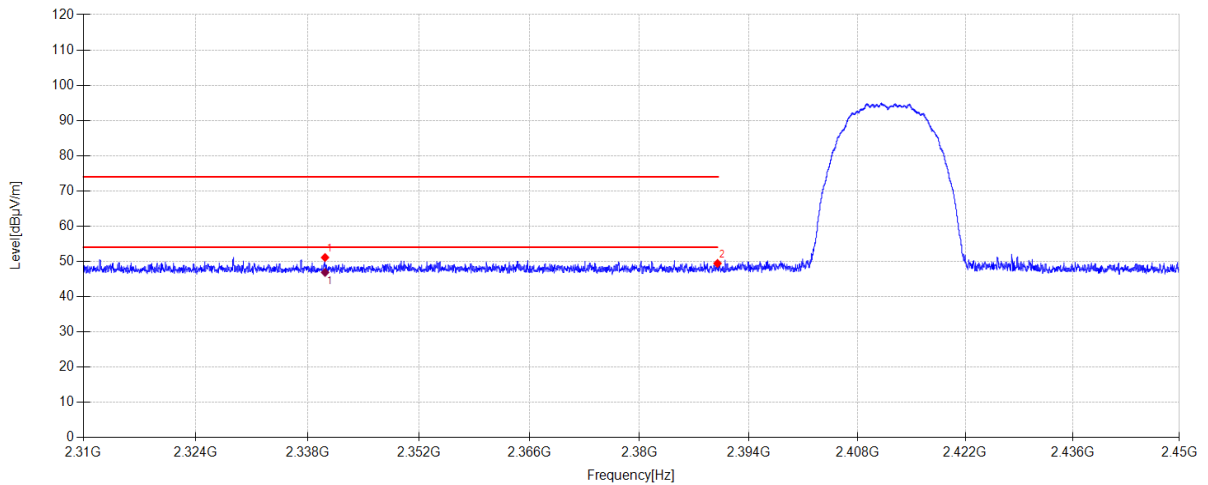
Test Mode:	802.11b ANT2	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	18.71	27.54	3.88	0.00	50.13	74.00	23.87	PK
2	2488.398	19.91	27.58	3.88	0.00	51.37	74.00	22.63	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2488.398	15.37	27.58	3.88	46.83	54.00	7.17	AV

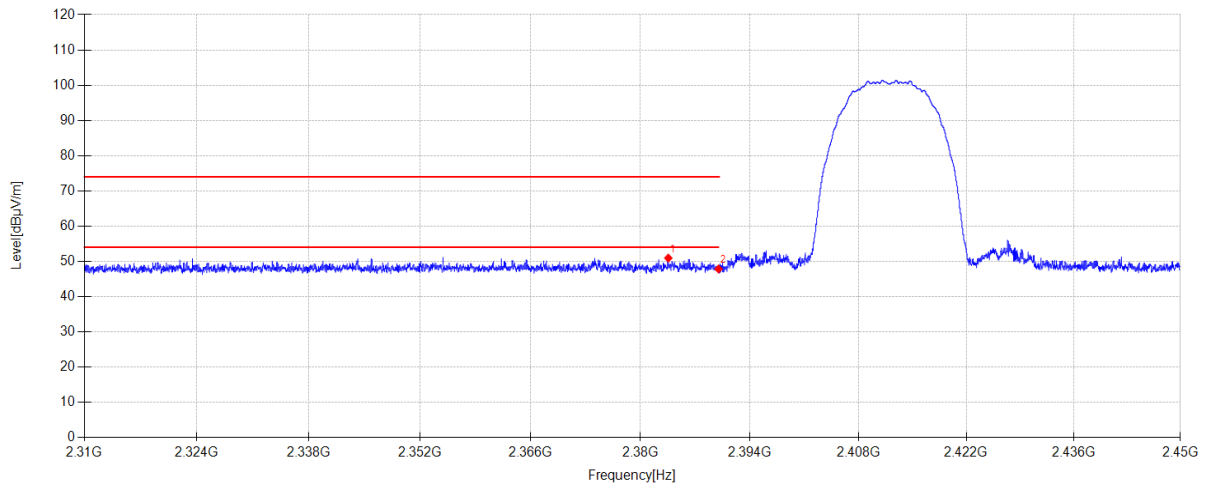
Test Mode:	802.11b ANT2	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2340.170	19.73	27.66	3.72	0.00	51.11	74.00	22.89	PK
2	2390.000	18.18	27.46	3.78	0.00	49.42	74.00	24.58	PK

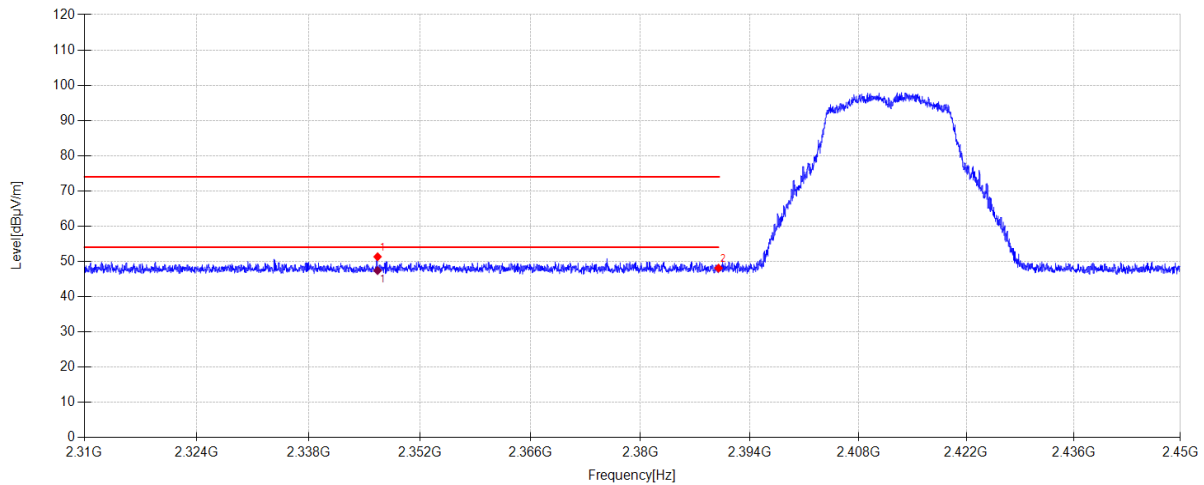
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2340.170	15.49	27.66	3.72	46.87	54.00	7.13	AV

Test Mode:	802.11b ANT2	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2383.570	19.68	27.50	3.77	0.00	50.95	74.00	23.05	PK
2	2390.000	16.61	27.46	3.78	0.00	47.85	74.00	26.15	PK

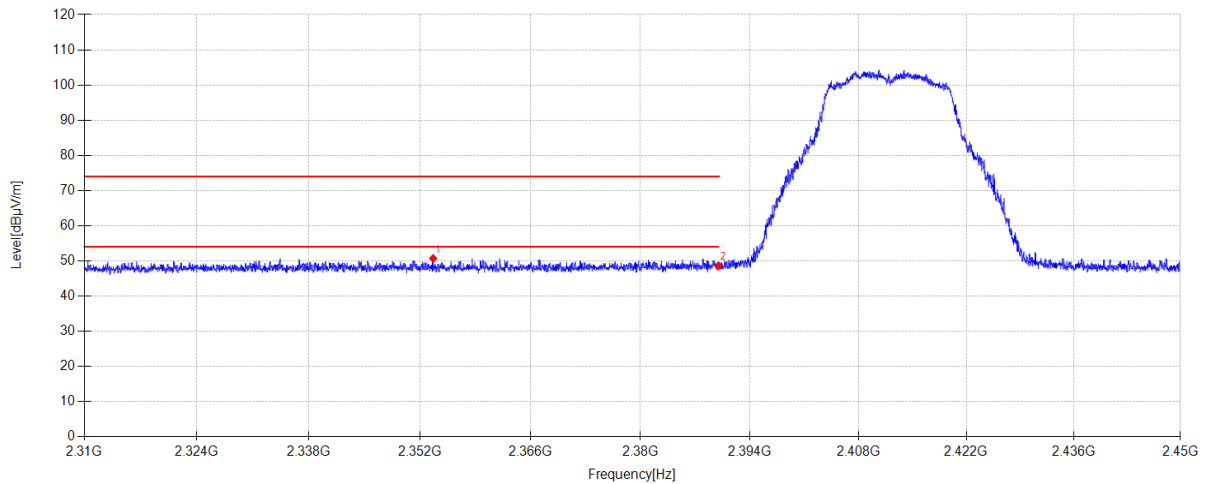
Test Mode:	802.11g ANT1	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2346.652	19.90	27.69	3.73	0.00	51.32	74.00	22.68	PK
2	2390.000	16.85	27.46	3.78	0.00	48.09	74.00	25.91	PK

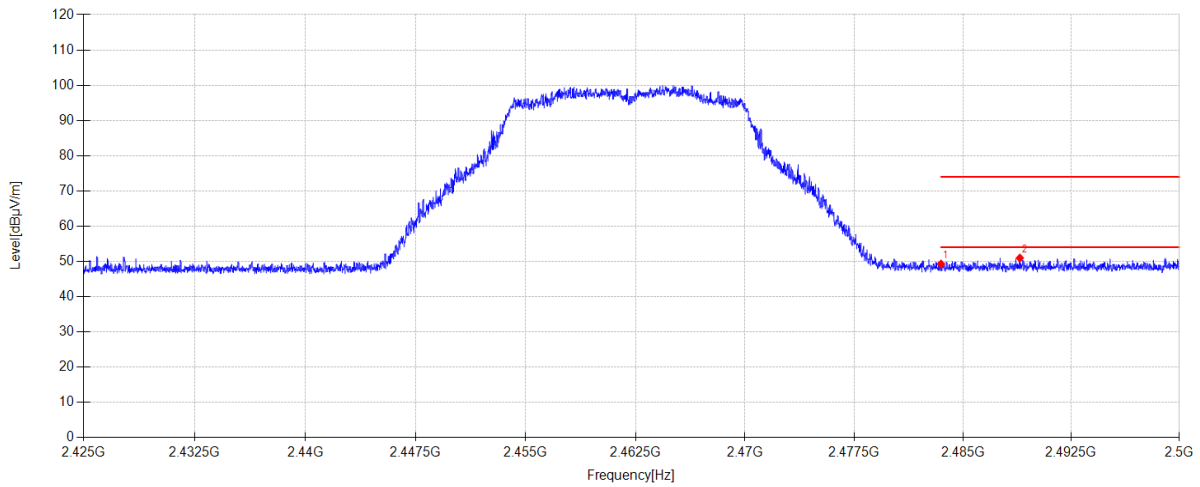
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2346.652	15.98	27.69	3.73	47.40	54.00	6.60	AV

Test Mode:	802.11g ANT1	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



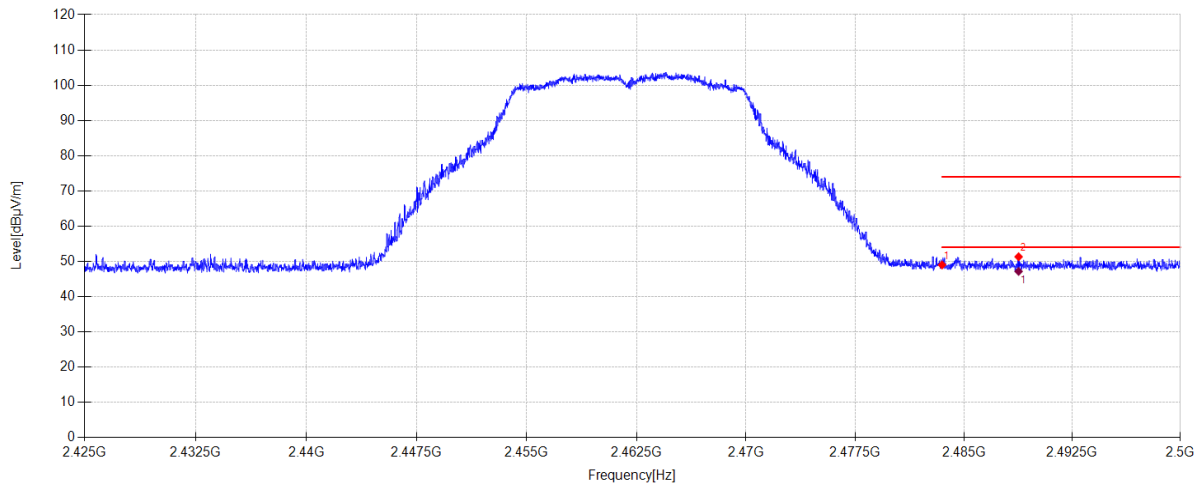
Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2353.666	19.30	27.68	3.74	0.00	50.72	74.00	23.28	PK	Vertical
2	2390.000	17.35	27.46	3.78	0.00	48.59	74.00	25.41	PK	Vertical

Test Mode:	802.11g ANT1	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.84	27.54	3.88	0.00	49.26	74.00	24.74	PK
2	2488.945	19.49	27.59	3.88	0.00	50.96	74.00	23.04	PK

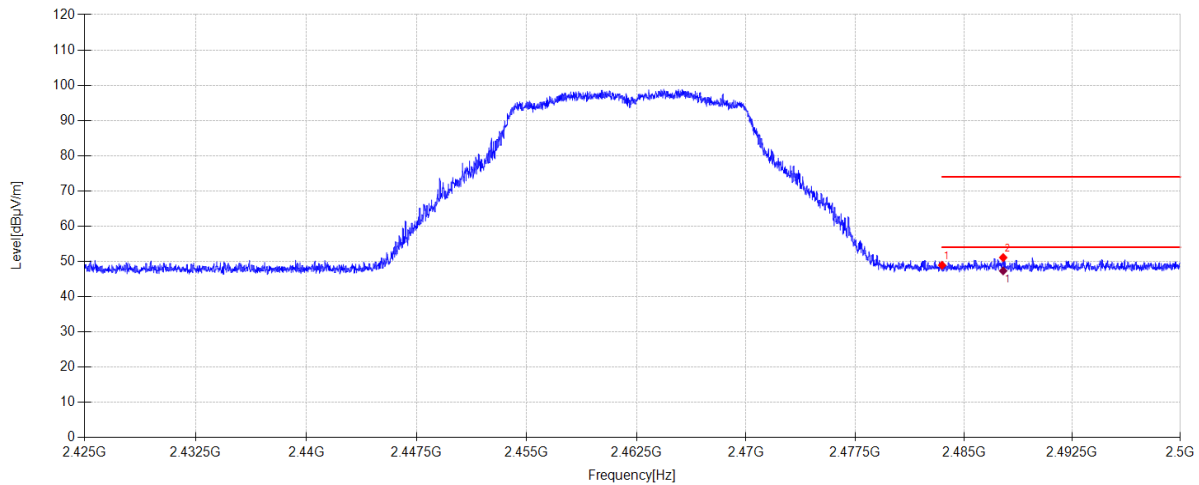
Test Mode:	802.11g ANT1	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.58	27.54	3.88	0.00	49.00	74.00	25.00	PK
2	2488.788	19.84	27.59	3.88	0.00	51.31	74.00	22.69	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2488.788	15.69	27.59	3.88	47.16	54.00	6.84	AV

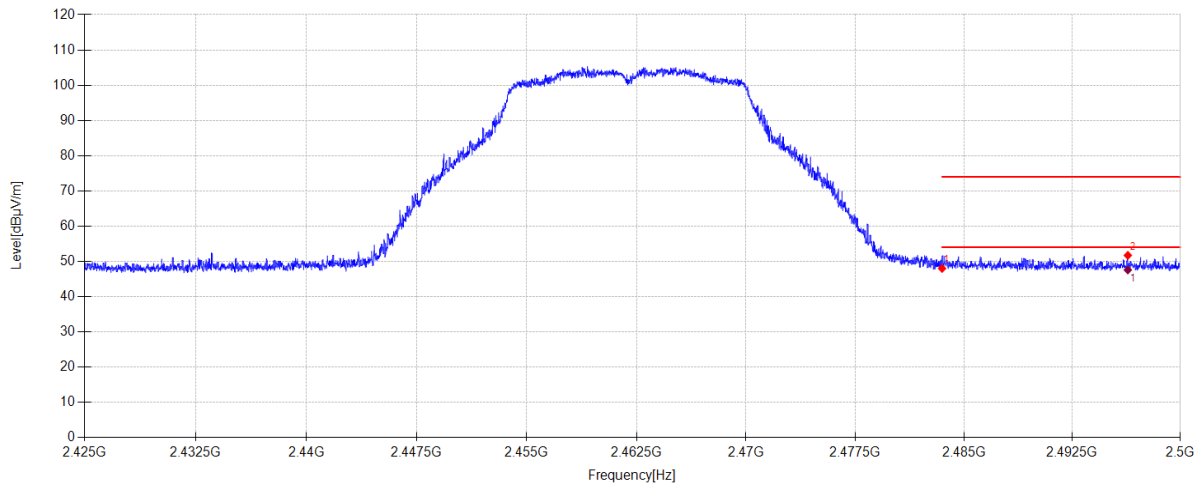
Test Mode:	802.11g ANT2	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.49	27.54	3.88	0.00	48.91	74.00	25.09	PK
2	2487.723	19.63	27.58	3.88	0.00	51.09	74.00	22.91	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2487.723	15.86	27.58	3.88	47.32	54.00	6.68	AV

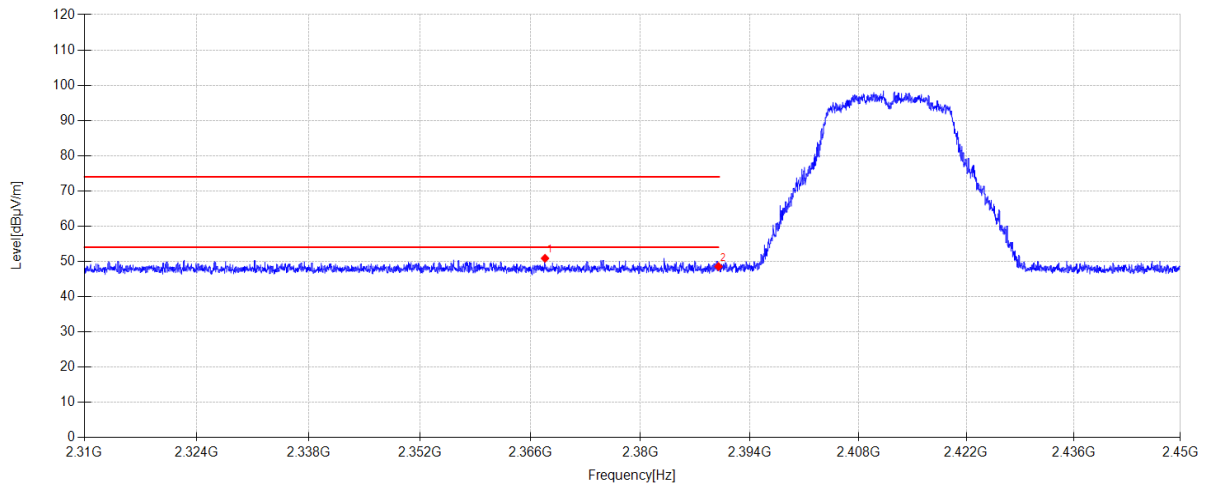
Test Mode:	802.11g ANT2	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.58	27.54	3.88	0.00	48.00	74.00	26.00	PK	Vertical
2	2496.355	20.17	27.66	3.89	0.00	51.72	74.00	22.28	PK	Vertical

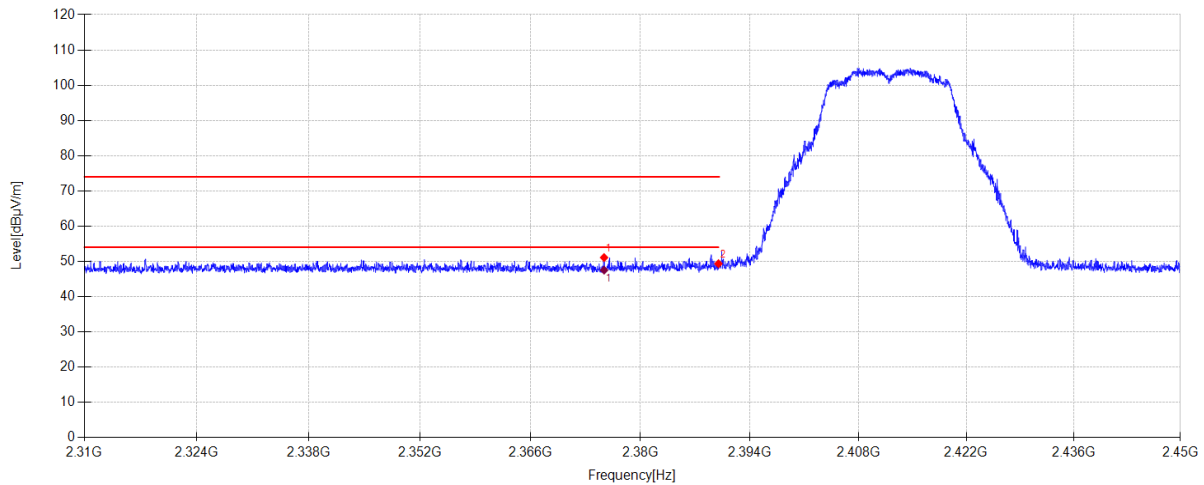
Final Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	2496.355	16.03	27.66	3.89	47.58	54.00	6.42	AV	Vertical	

Test Mode:	802.11g ANT2	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2367.848	19.53	27.59	3.75	0.00	50.87	74.00	23.13	PK
2	2390.000	17.31	27.46	3.78	0.00	48.55	74.00	25.45	PK

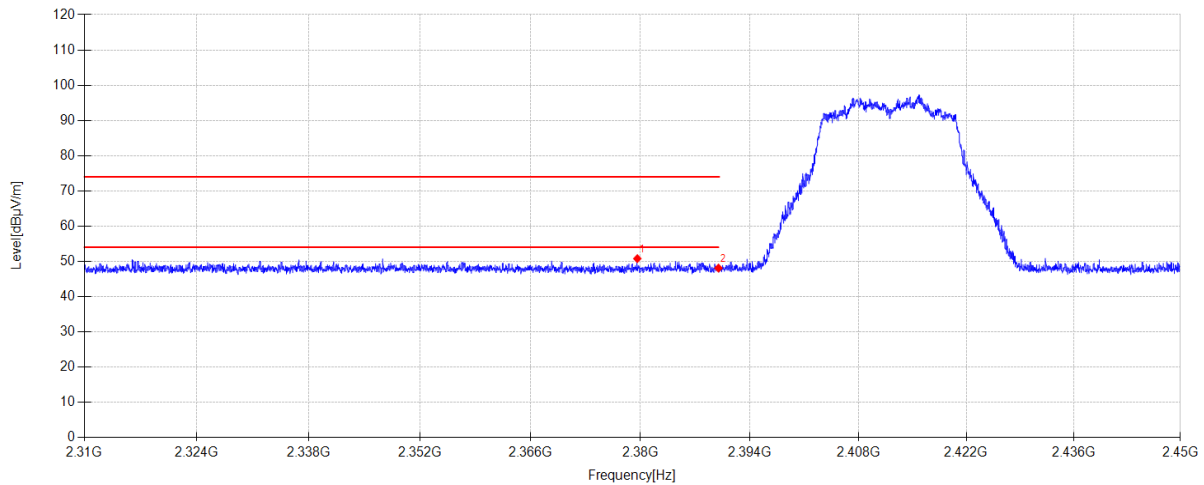
Test Mode:	802.11g ANT2	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2375.366	19.78	27.55	3.76	0.00	51.09	74.00	22.91	PK
2	2390.000	18.11	27.46	3.78	0.00	49.35	74.00	24.65	PK

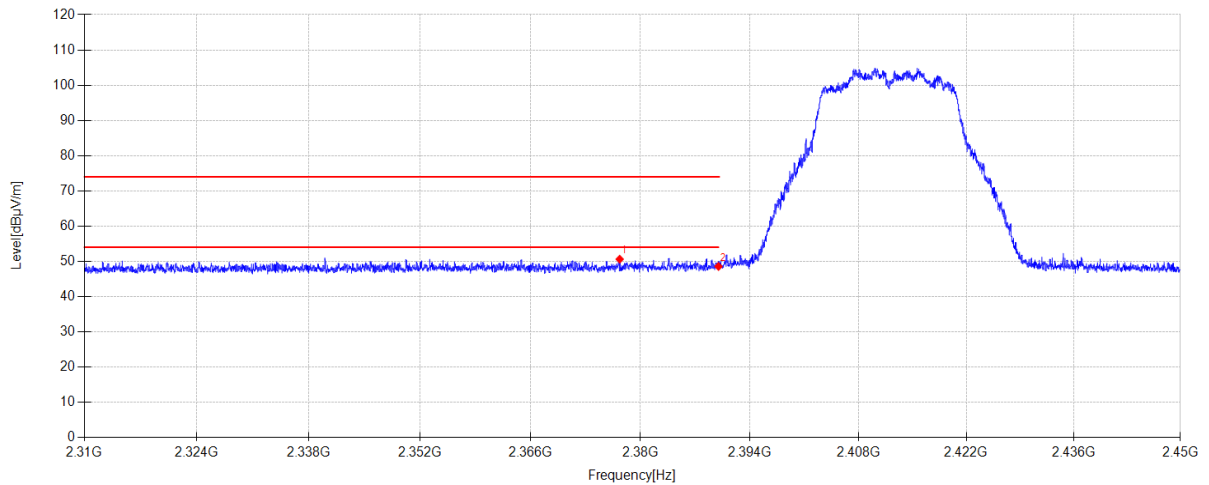
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2375.366	16.22	27.55	3.76	47.53	54.00	6.47	AV

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



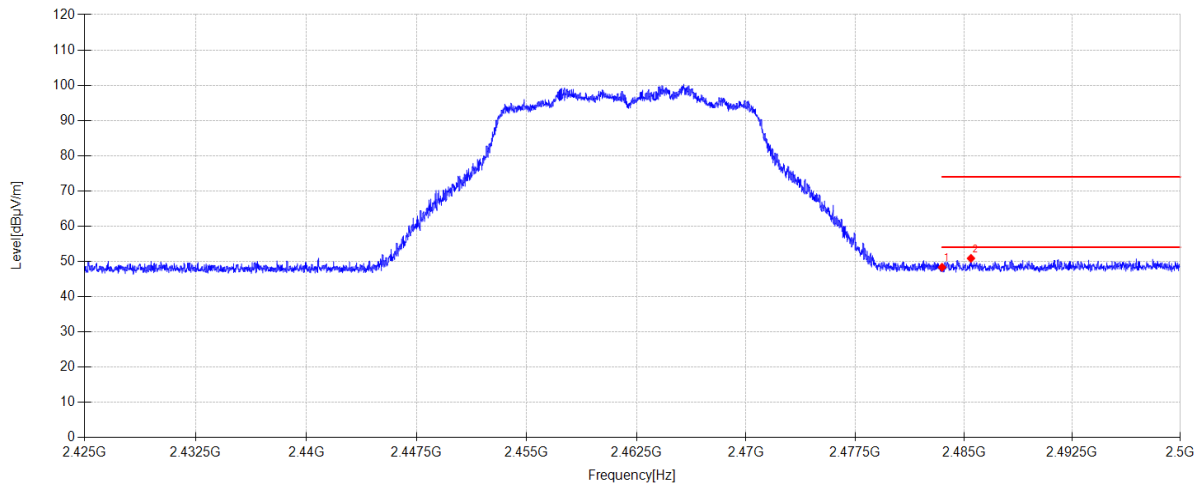
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2379.608	19.51	27.52	3.76	0.00	50.79	74.00	23.21	PK
2	2390.000	16.86	27.46	3.78	0.00	48.10	74.00	25.90	PK

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



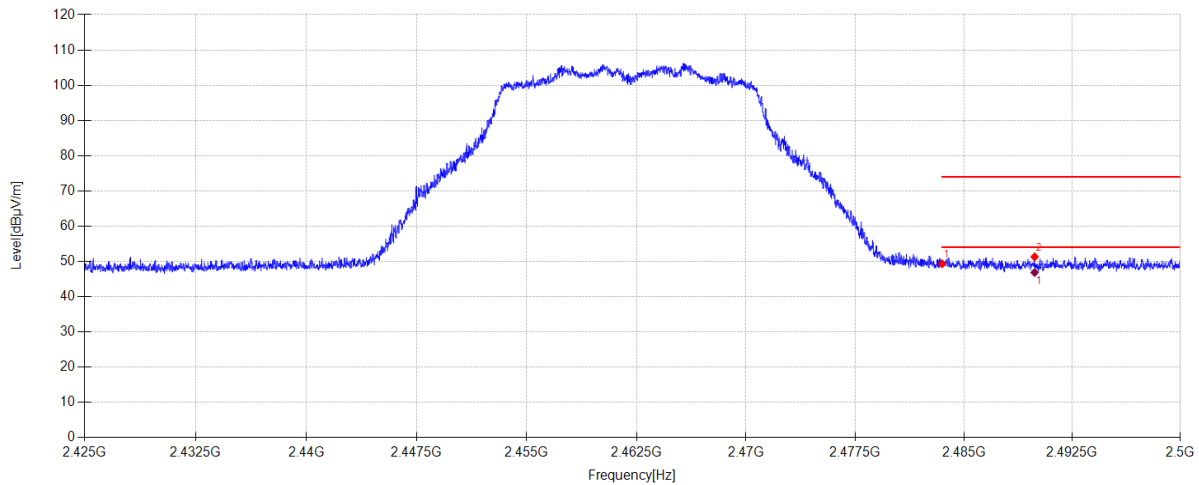
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2377.354	19.33	27.54	3.76	0.00	50.63	74.00	23.37	PK
2	2390.000	17.32	27.46	3.78	0.00	48.56	74.00	25.44	PK

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	16.91	27.54	3.88	0.00	48.33	74.00	25.67	PK
2	2485.495	19.43	27.55	3.88	0.00	50.86	74.00	23.14	PK

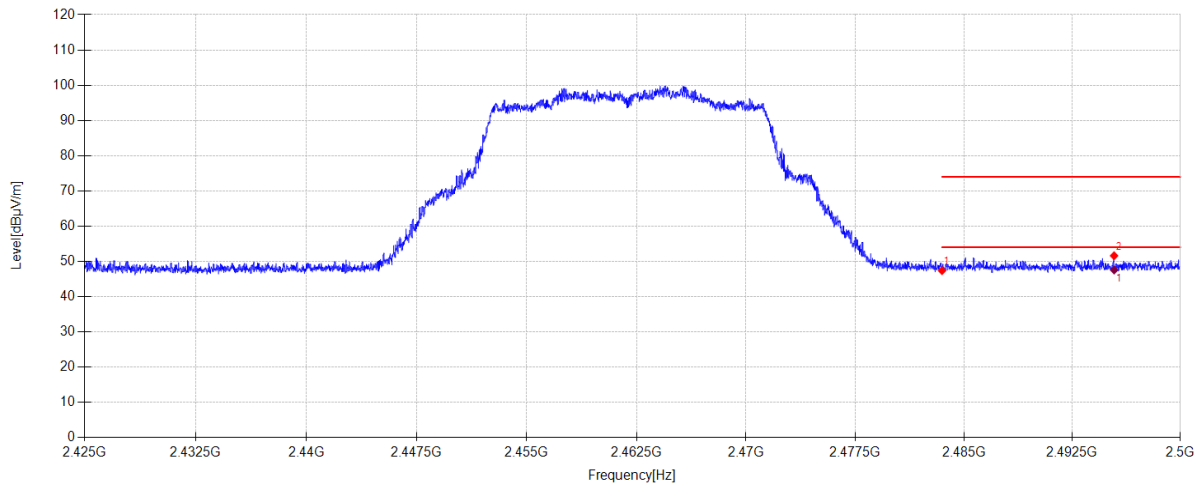
Test Mode:	802.11n20 MIMO	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.90	27.54	3.88	0.00	49.32	74.00	24.68	PK
2	2489.898	19.82	27.60	3.88	0.00	51.30	74.00	22.70	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2489.898	15.38	27.60	3.88	46.86	54.00	7.14	AV

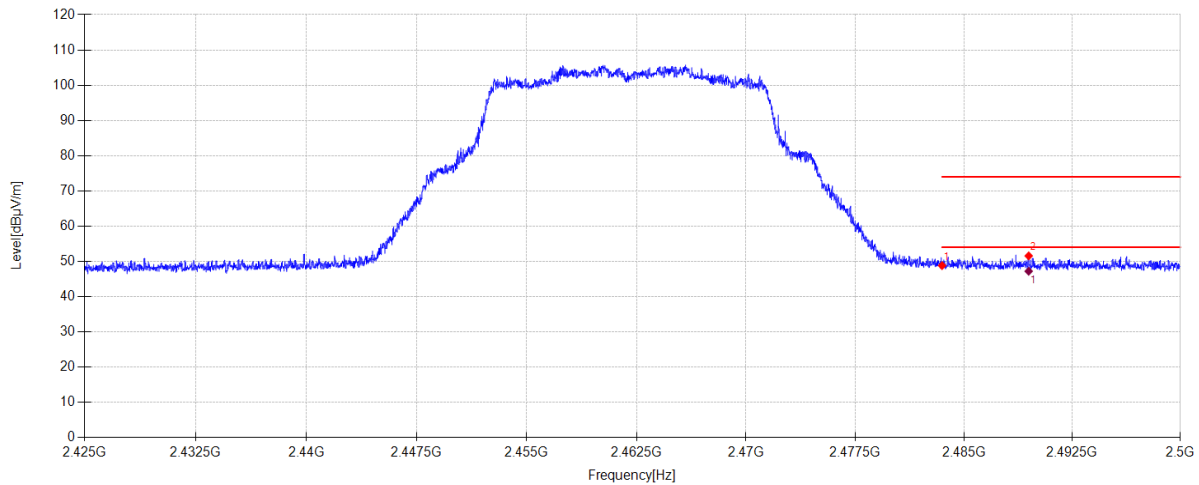
Test Mode:	802.11ax20 MIMO	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	15.96	27.54	3.88	0.00	47.38	74.00	26.62	PK
2	2495.403	20.06	27.65	3.89	0.00	51.60	74.00	22.40	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2495.403	16.03	27.65	3.89	47.57	54.00	6.43	AV

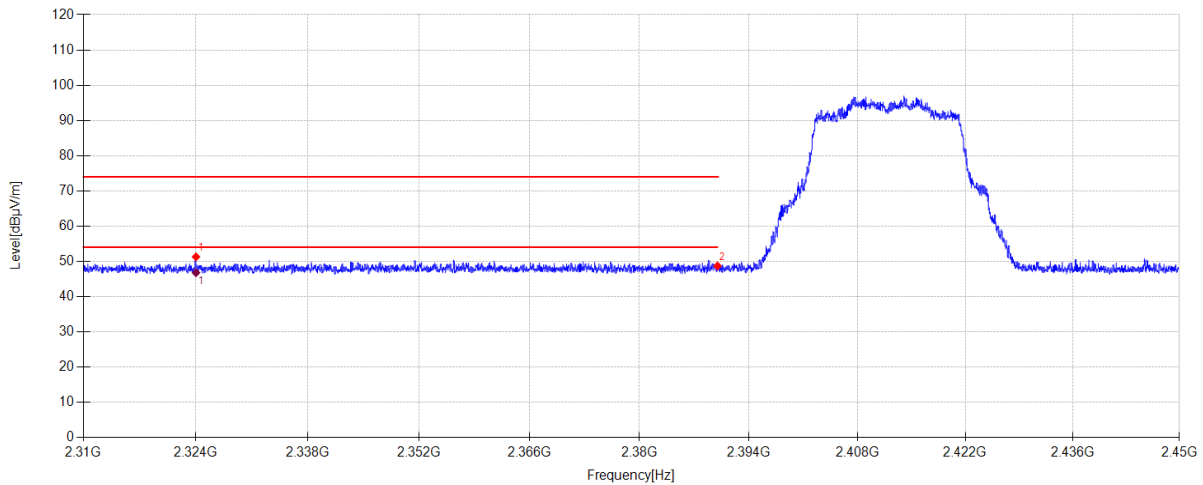
Test Mode:	802.11ax20 MIMO	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.39	27.54	3.88	0.00	48.81	74.00	25.19	PK
2	2489.485	20.09	27.59	3.88	0.00	51.56	74.00	22.44	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2489.485	15.74	27.59	3.88	47.21	54.00	6.79	AV

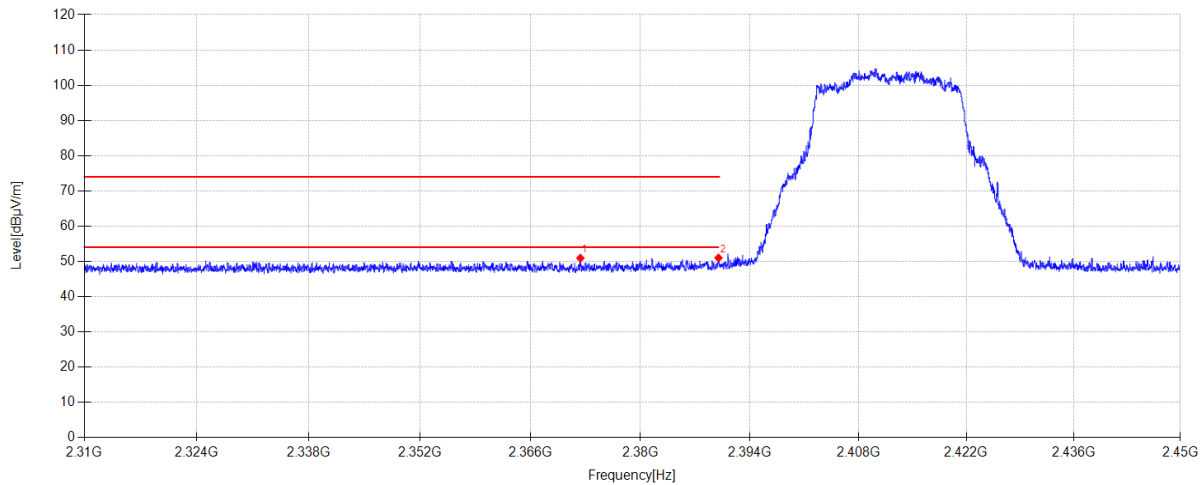
Test Mode:	802.11ax20 MIMO	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2324.014	19.99	27.60	3.70	0.00	51.29	74.00	22.71	PK
2	2390.000	17.47	27.46	3.78	0.00	48.71	74.00	25.29	PK

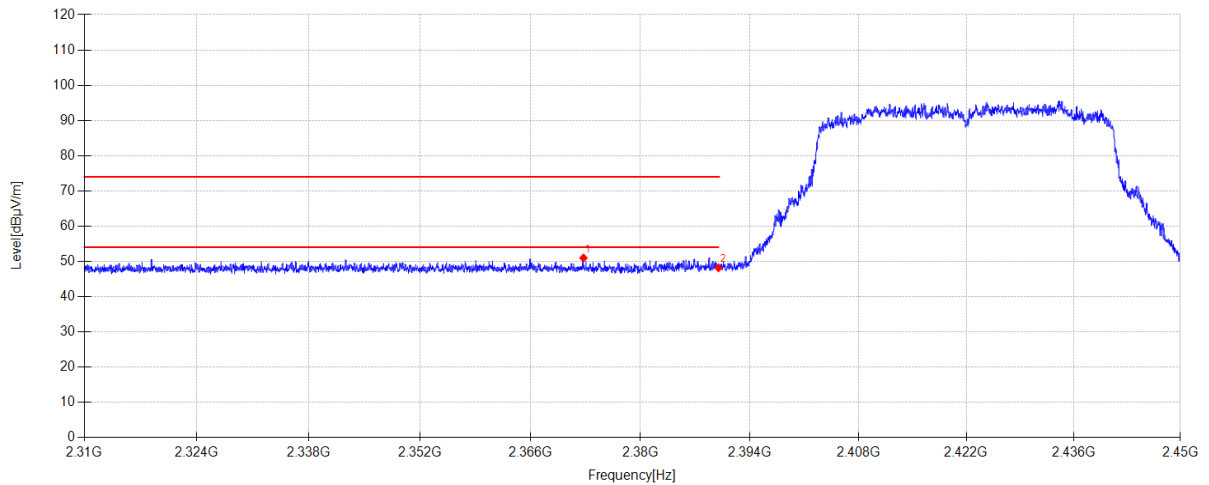
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2324.014	15.48	27.60	3.70	46.78	54.00	7.22	AV

Test Mode:	802.11ax20 MIMO	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



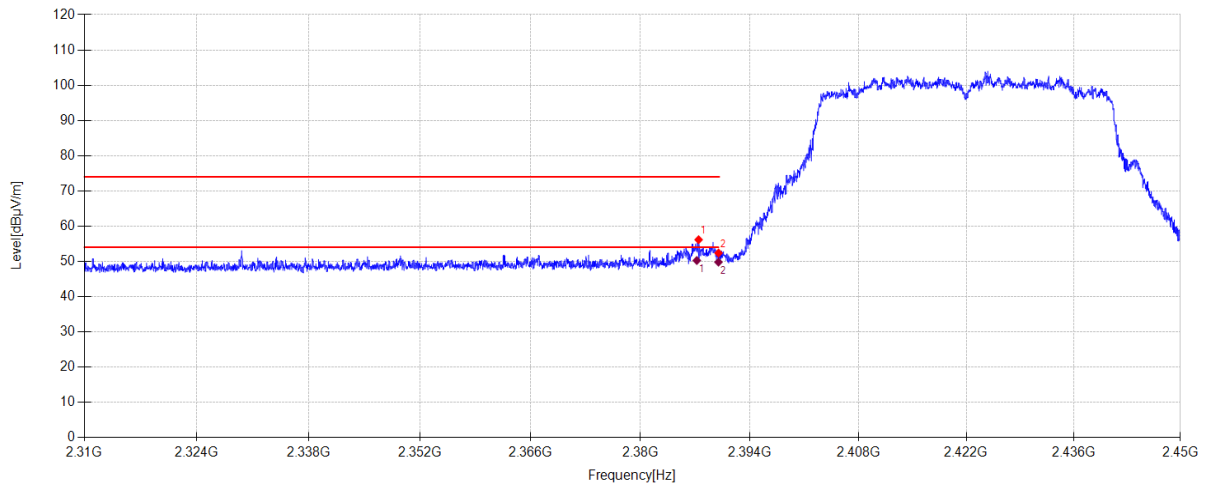
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2372.342	19.60	27.57	3.76	0.00	50.93	74.00	23.07	PK
2	2390.000	19.76	27.46	3.78	0.00	51.00	74.00	23.00	PK

Test Mode:	802.11ax40 MIMO	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2372.734	19.66	27.56	3.76	0.00	50.98	74.00	23.02	PK
2	2390.000	16.95	27.46	3.78	0.00	48.19	74.00	25.81	PK

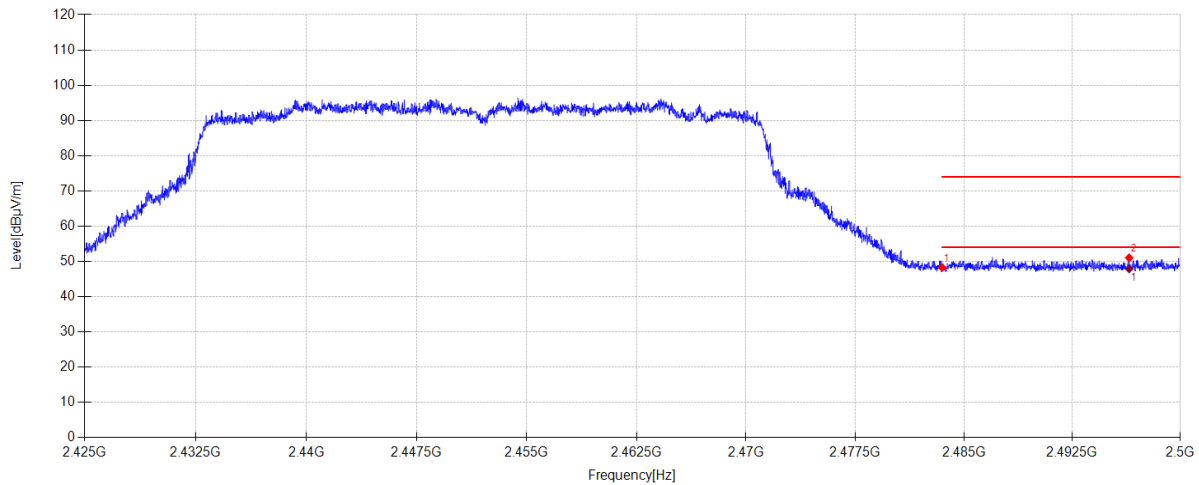
Test Mode:	802.11ax40 MIMO	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2387.448	24.91	27.48	3.77	0.00	56.16	74.00	17.84	PK
2	2390.000	21.14	27.46	3.78	0.00	52.38	74.00	21.62	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2387.217	19.01	27.48	3.77	50.26	54.00	3.74	AV
2	2390.000	18.56	27.46	3.78	49.80	54.00	4.20	AV

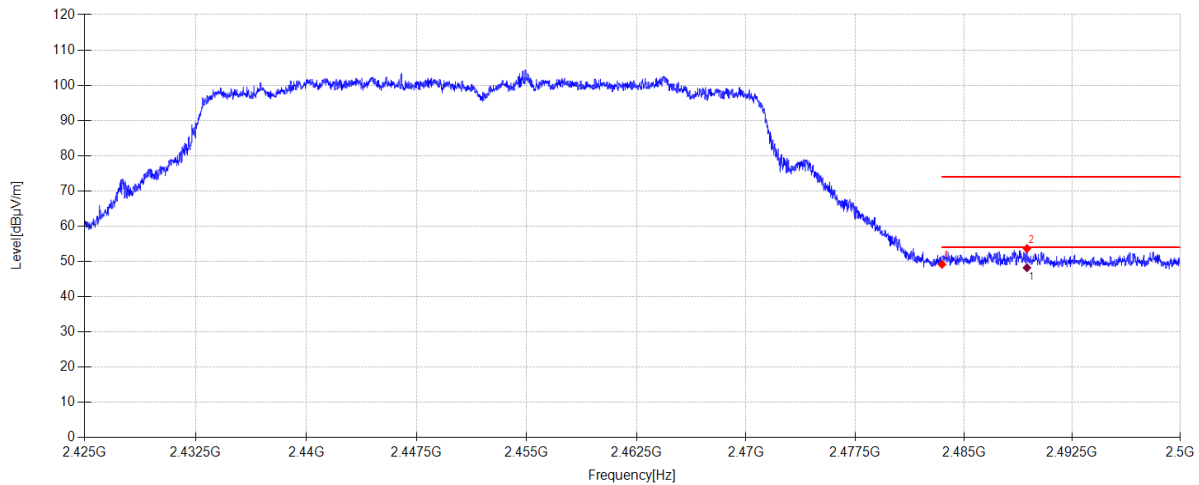
Test Mode:	802.11ax40 MIMO	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	16.84	27.54	3.88	0.00	48.26	74.00	25.74	PK
2	2496.445	19.48	27.66	3.89	0.00	51.03	74.00	22.97	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2496.445	16.34	27.66	3.89	47.89	54.00	6.11	AV

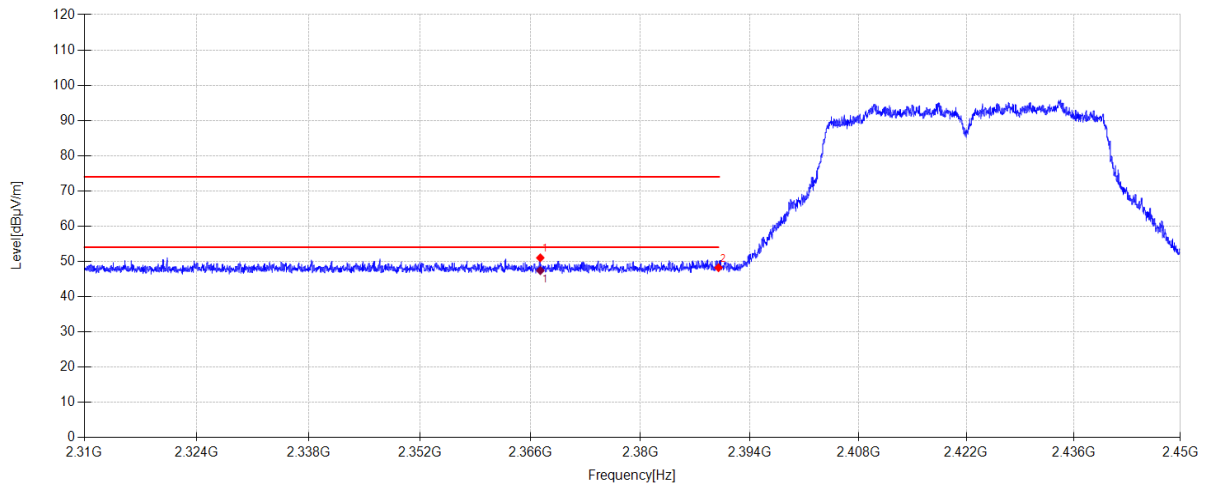
Test Mode:	802.11ax40 MIMO	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.73	27.54	3.88	0.00	49.15	74.00	24.85	PK
2	2489.365	22.18	27.59	3.88	0.00	53.65	74.00	20.35	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2489.365	16.74	27.59	3.88	48.21	54.00	5.79	AV

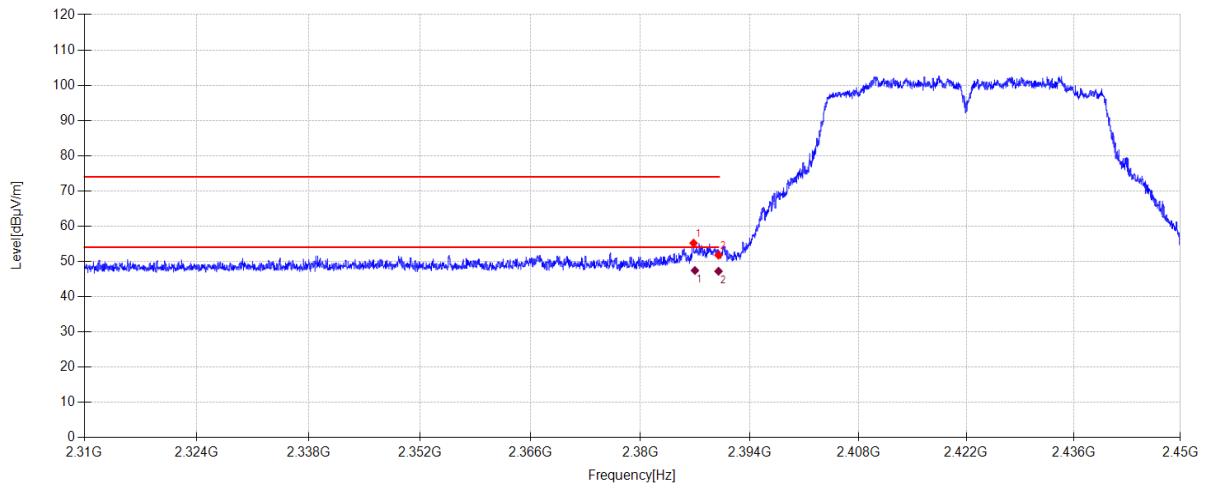
Test Mode:	802.11n40 MIMO	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2367.246	19.67	27.60	3.75	0.00	51.02	74.00	22.98	PK
2	2390.000	16.98	27.46	3.78	0.00	48.22	74.00	25.78	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2367.246	16.03	27.60	3.75	47.38	54.00	6.62	AV

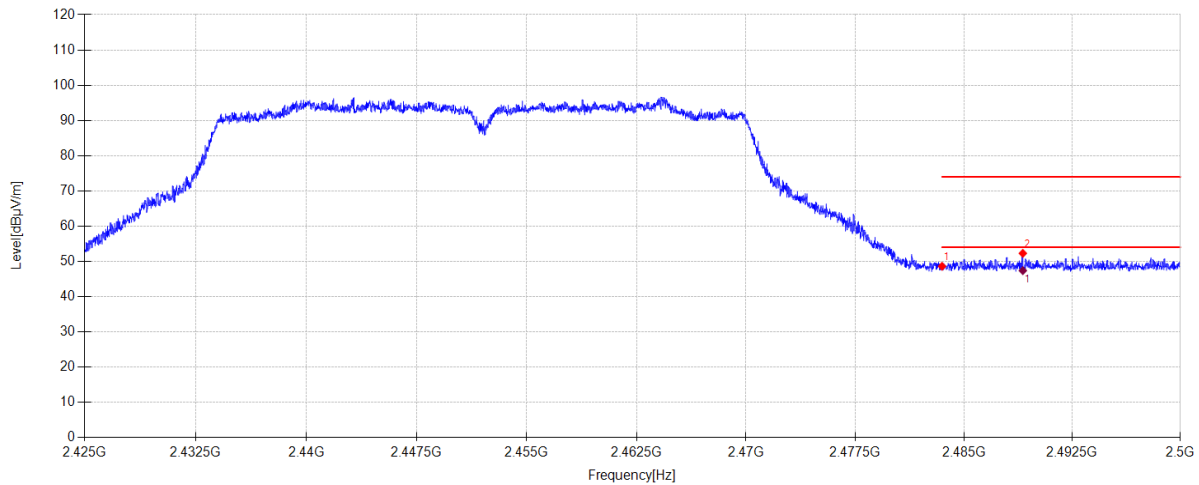
Test Mode:	802.11n40 MIMO	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2386.804	23.93	27.48	3.77	0.00	55.18	74.00	18.82	PK
2	2390.000	20.53	27.46	3.78	0.00	51.77	74.00	22.23	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2386.979	16.17	27.48	3.77	47.42	54.00	6.58	AV
2	2390.000	15.97	27.46	3.78	47.21	54.00	6.79	AV

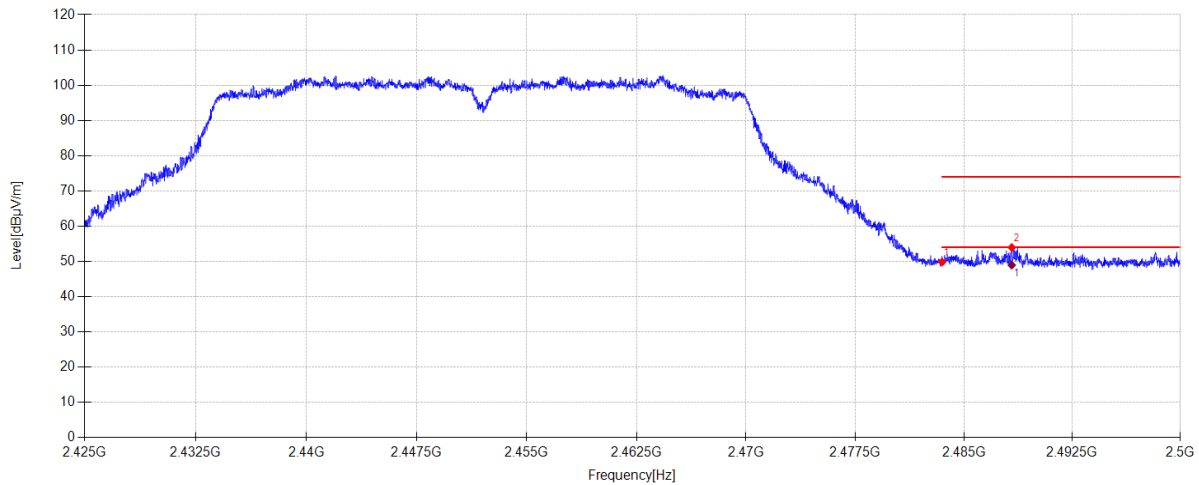
Test Mode:	802.11n40 MIMO	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.19	27.54	3.88	0.00	48.61	74.00	25.39	PK
2	2489.080	20.81	27.59	3.88	0.00	52.28	74.00	21.72	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2489.080	15.92	27.59	3.88	47.39	54.00	6.61	AV

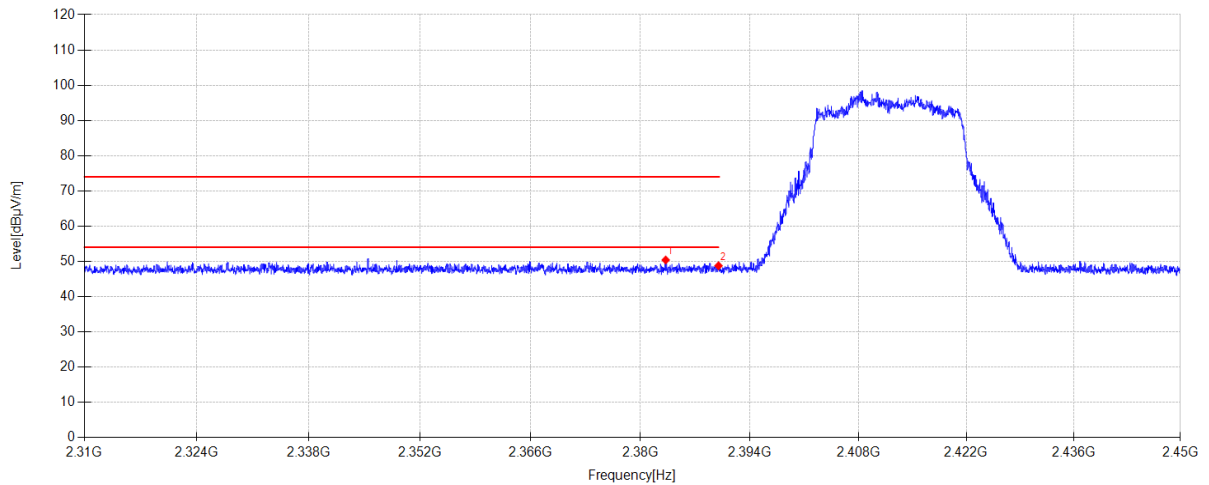
Test Mode:	802.11n40 MIMO	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	18.41	27.54	3.88	0.00	49.83	74.00	24.17	PK
2	2488.315	22.50	27.58	3.88	0.00	53.96	74.00	20.04	PK

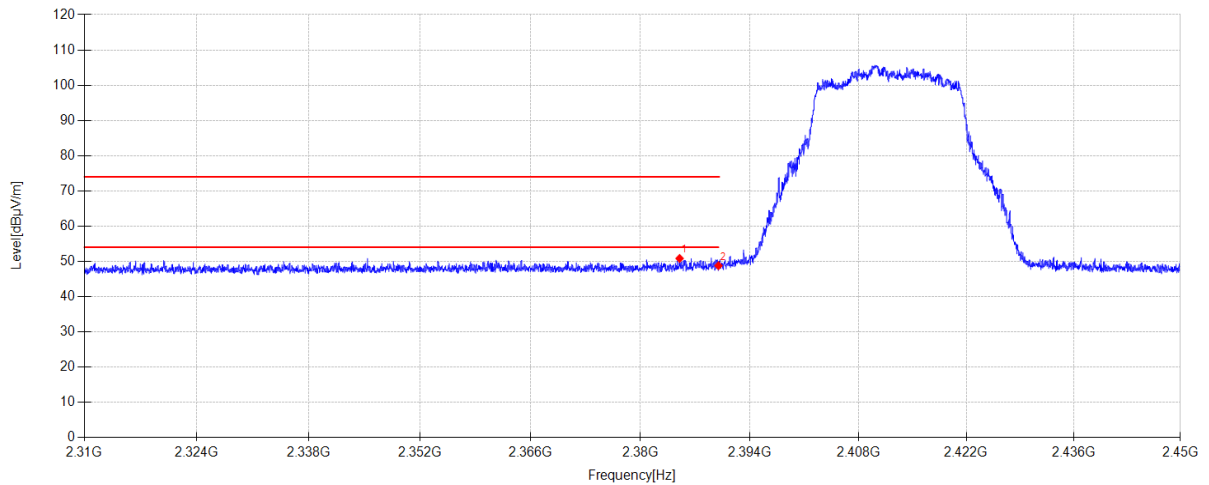
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2488.315	17.49	27.58	3.88	48.95	54.00	5.05	AV

Test Mode:	802.11be20 MIMO	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



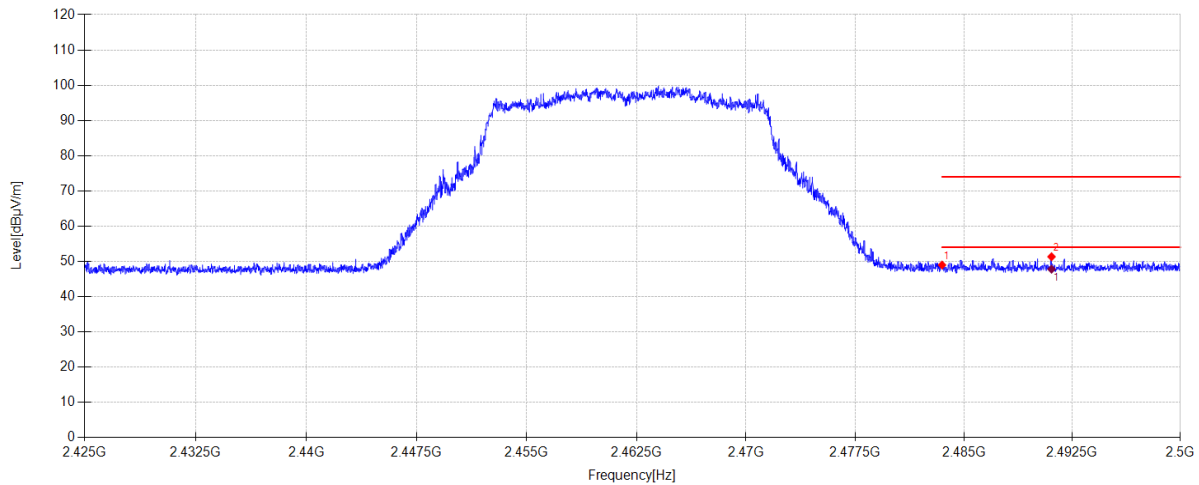
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1	2383.234	19.13	27.50	3.77	0.00	50.40	74.00	23.60	PK
2	2390.000	17.52	27.46	3.78	0.00	48.76	74.00	25.24	PK

Test Mode:	802.11be20 MIMO	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2385.012	19.58	27.49	3.77	0.00	50.84	74.00	23.16	PK
2	2390.000	17.55	27.46	3.78	0.00	48.79	74.00	25.21	PK

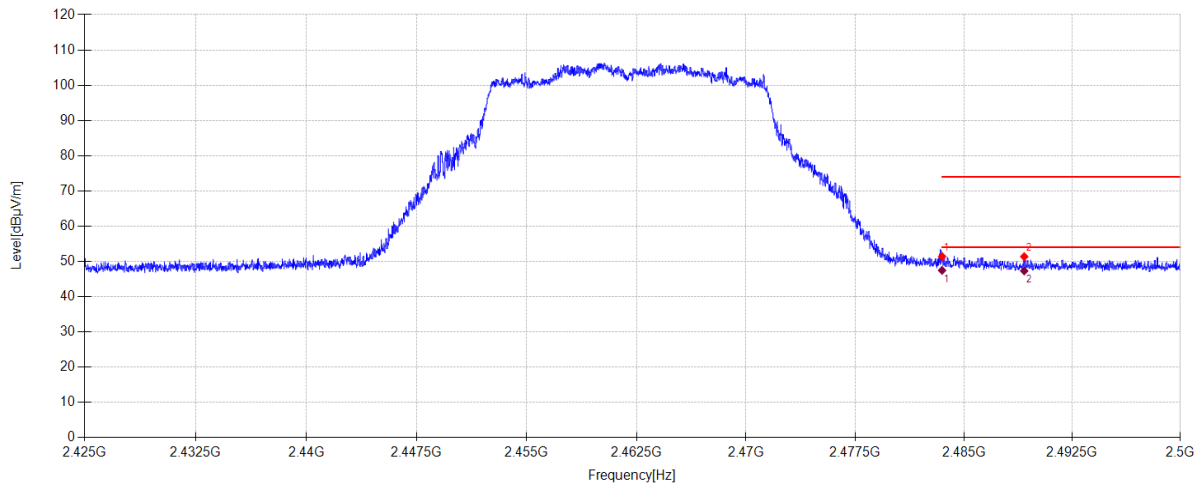
Test Mode:	802.11be20 MIMO	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.56	27.54	3.88	0.00	48.98	74.00	25.02	PK
2	2491.068	19.83	27.61	3.89	0.00	51.33	74.00	22.67	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2491.068	16.29+	27.61	3.89	47.79	54.00	6.21	AV

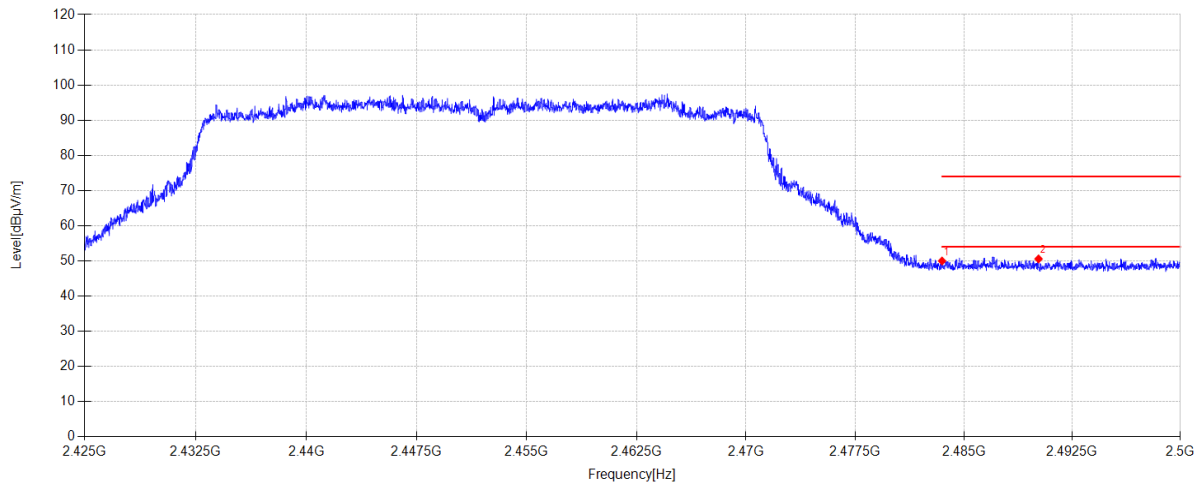
Test Mode:	802.11be20 MIMO	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	19.98	27.54	3.88	0.00	51.40	74.00	22.60	PK
2	2489.178	19.89	27.59	3.88	0.00	51.36	74.00	22.64	PK

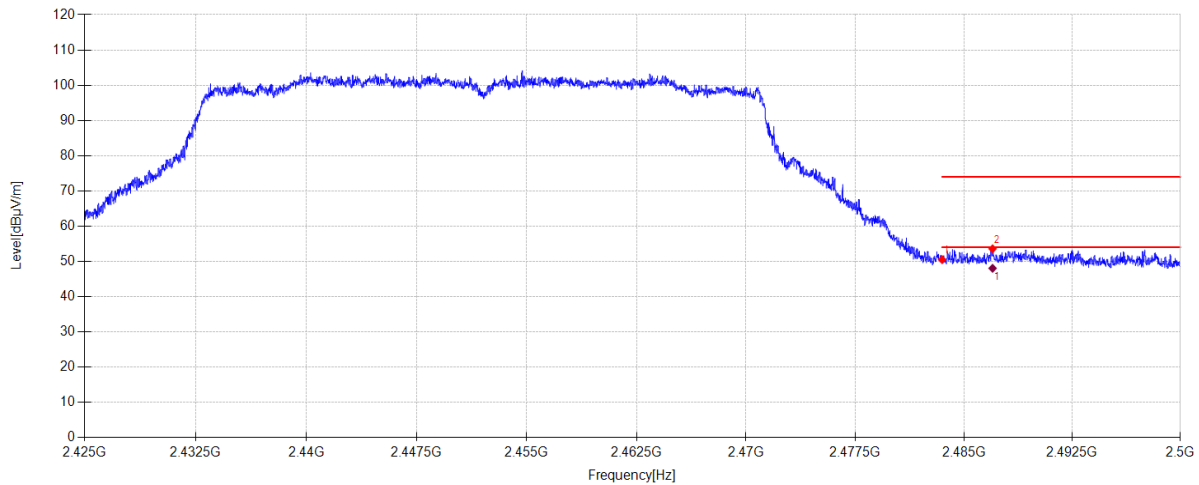
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	16.03	27.54	3.88	47.45	54.00	6.55	AV
2	2489.178	15.82	27.59	3.88	47.29	54.00	6.71	AV

Test Mode:	802.11be40 MIMO	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	18.56	27.54	3.88	0.00	49.98	74.00	24.02	PK
2	2490.168	19.08	27.60	3.88	0.00	50.56	74.00	23.44	PK

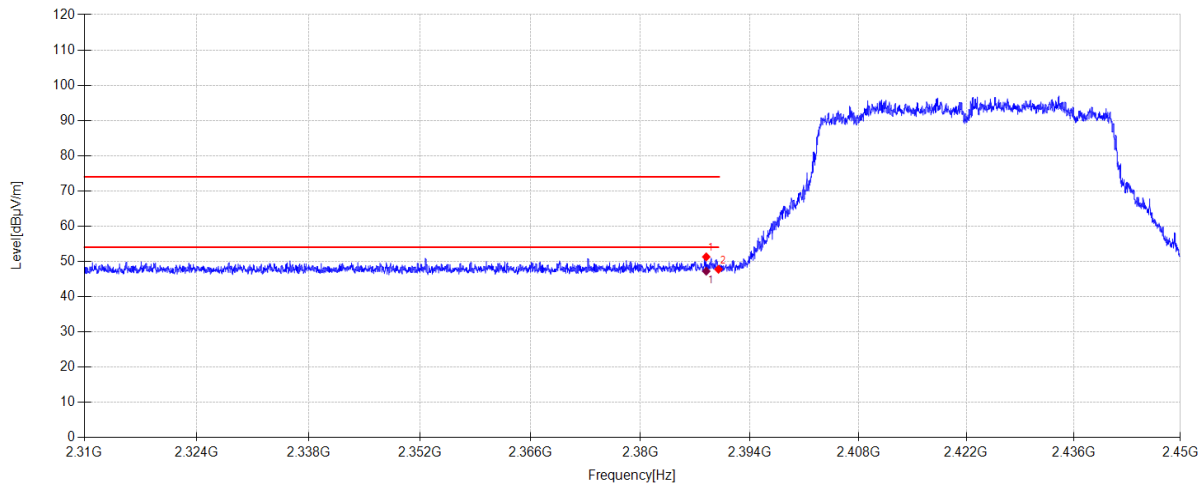
Test Mode:	802.11be40 MIMO	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 20V



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.11	27.54	3.88	0.00	50.53	74.00	23.47	PK	Vertical
2	2486.988	22.14	27.57	3.88	0.00	53.59	74.00	20.41	PK	Vertical

Final Data List									
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2486.988	16.59	27.57	3.88	48.04	54.00	5.96	AV	Vertical

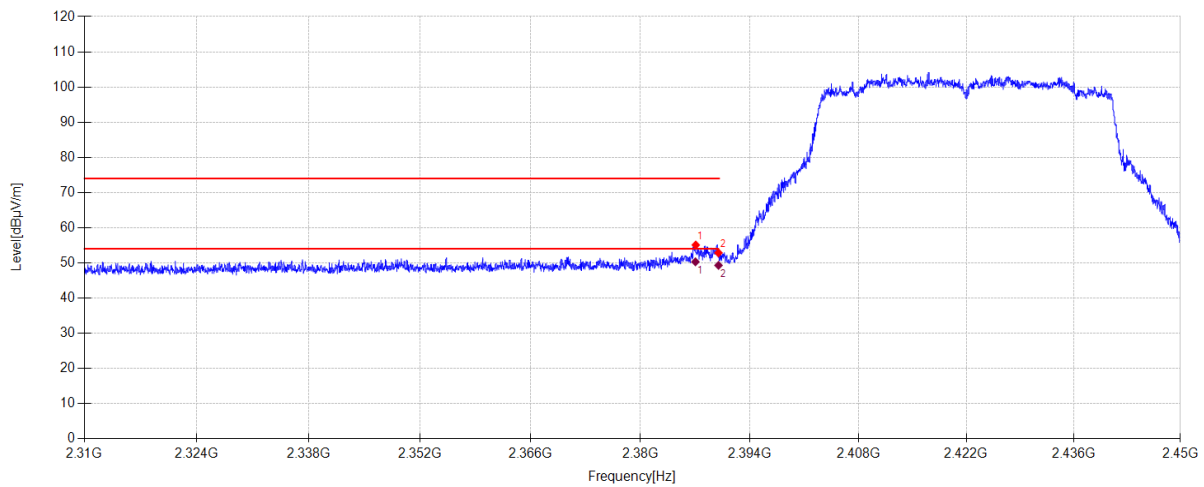
Test Mode:	802.11be40 MIMO	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 20V



Suspected Data List										
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1	2388.428	20.04	27.47	3.77	0.00	51.28	74.00	22.72	PK	Horizontal
2	2390.000	16.52	27.46	3.78	0.00	47.76	74.00	26.24	PK	Horizontal

Final Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	2388.428	15.98	27.47	3.77	47.22	54.00	6.78	AV	Horizontal	

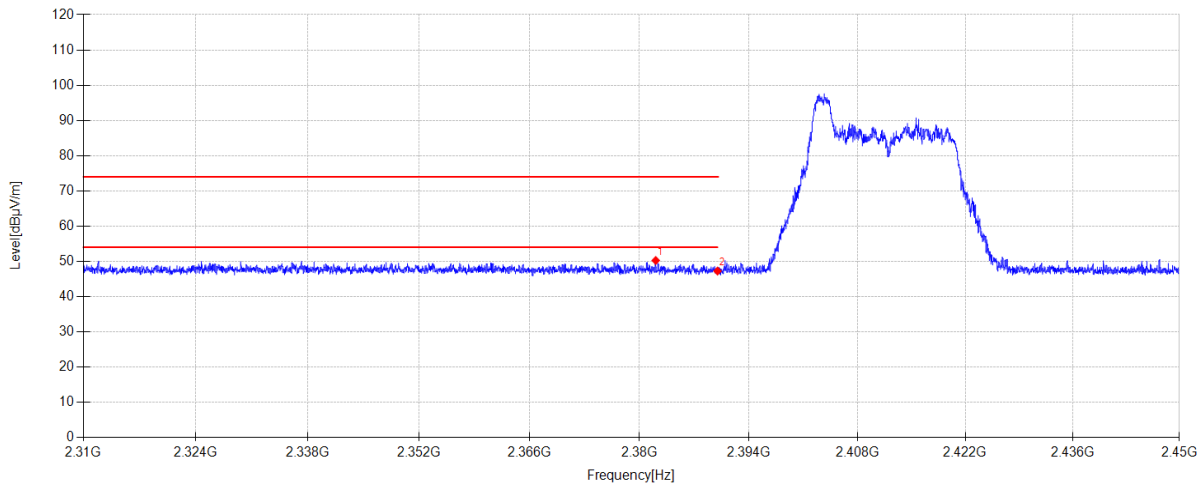
Test Mode:	802.11be40 MIMO	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 20V



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.084	23.85	27.48	3.77	0.00	55.10	74.00	18.90	PK	Vertical
2	2390.000	21.61	27.46	3.78	0.00	52.85	74.00	21.15	PK	Vertical

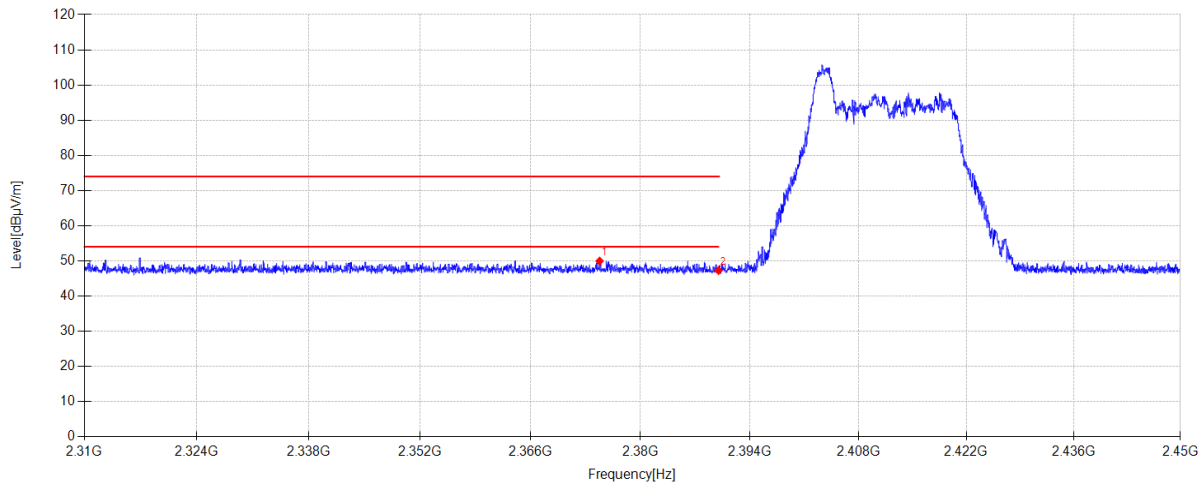
Final Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	2387.037	19.06	27.48	3.77	50.31	54.00	3.69	AV	Vertical	
2	2390.000	18.06	27.46	3.78	49.30	54.00	4.70	AV	Vertical	

Test Mode:	802.11ax20 MIMO RU0	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



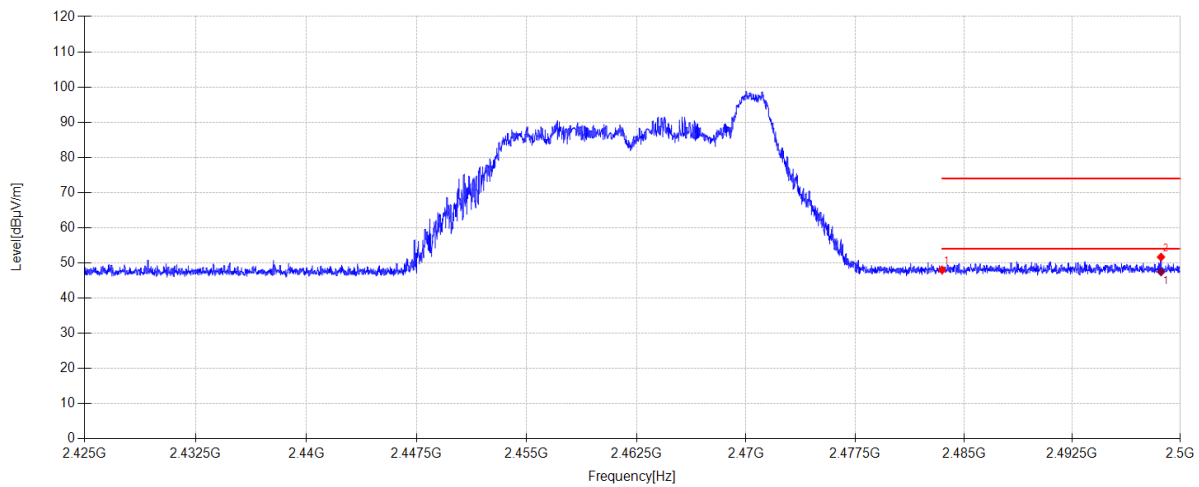
Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2382.086	18.98	27.51	3.77	0.00	50.26	74.00	23.74	PK	Horizontal
2	2390.000	16.02	27.46	3.78	0.00	47.26	74.00	26.74	PK	Horizontal

Test Mode:	802.11ax20 MIMO RU0	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2374.792	18.66	27.55	3.76	0.00	49.97	74.00	24.03	PK	Vertical
2	2390.000	16.03	27.46	3.78	0.00	47.27	74.00	26.73	PK	Vertical

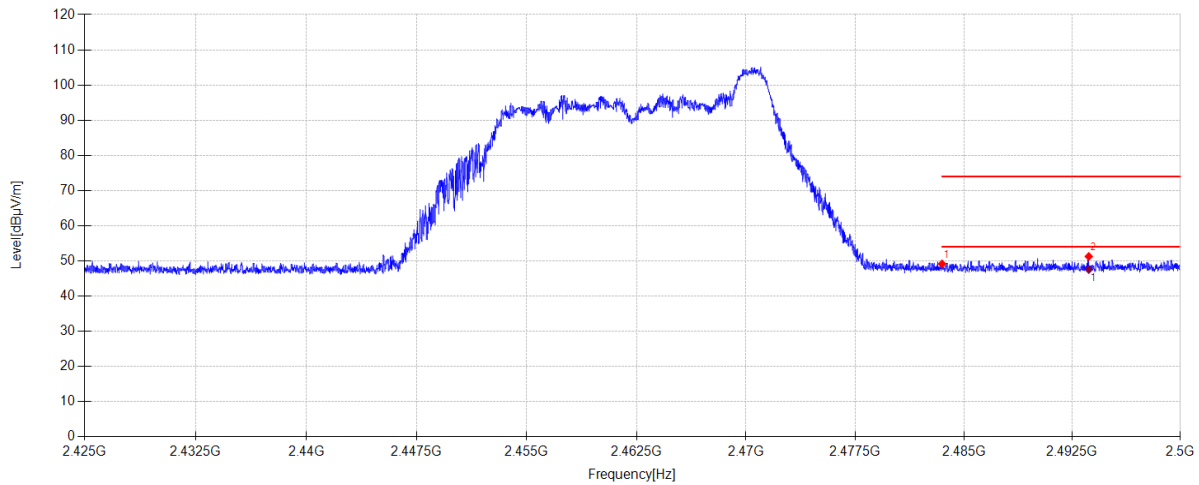
Test Mode:	802.11ax20 MIMO RU8	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.59	27.54	3.88	0.00	48.01	74.00	25.99	PK	Horizontal
2	2498.658	20.07	27.69	3.89	0.00	51.65	74.00	22.35	PK	Horizontal

Final Data List									
NO .	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2498.658	15.86	27.69	3.89	47.44	54.00	6.56	AV	Horizontal

Test Mode:	802.11ax20 MIMO RU8	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V

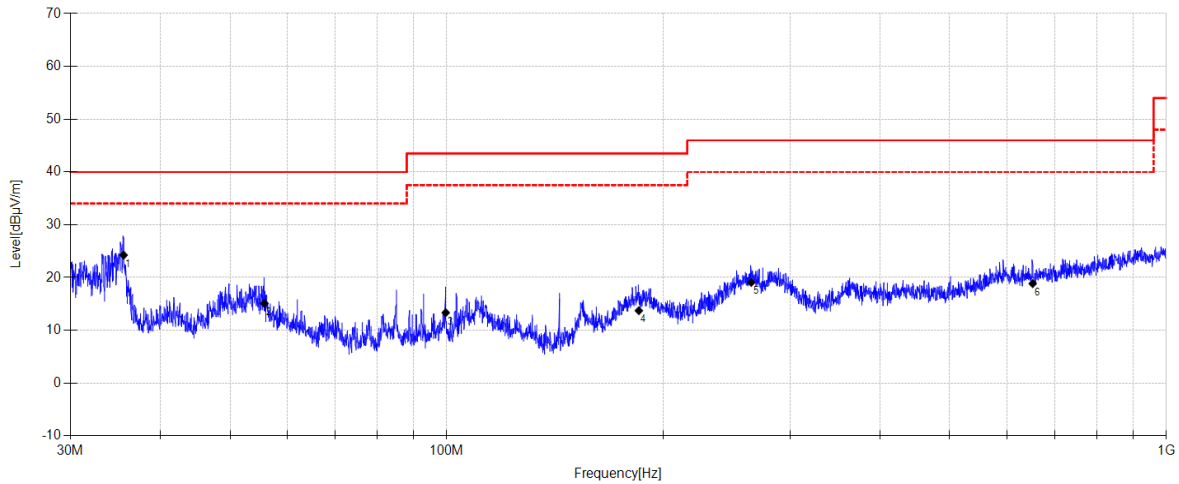


NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2483.500	17.72	27.54	3.88	0.00	49.14	74.00	24.86	PK
2	2493.648	19.73	27.64	3.89	0.00	51.26	74.00	22.74	PK

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	2493.648	16.03	27.64	3.89	47.56	54.00	6.44	AV

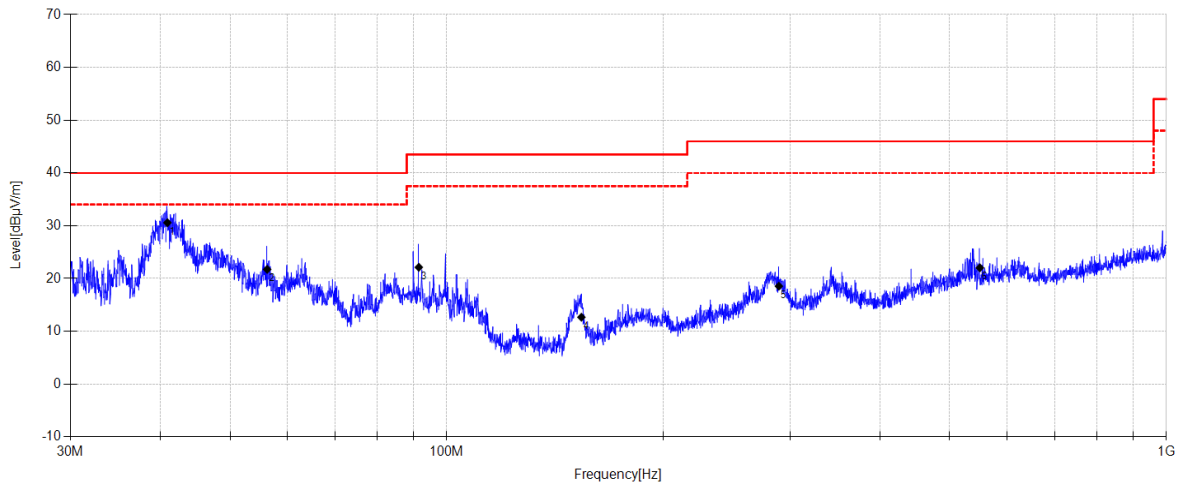
8.2. SPURIOUS EMISSIONS

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



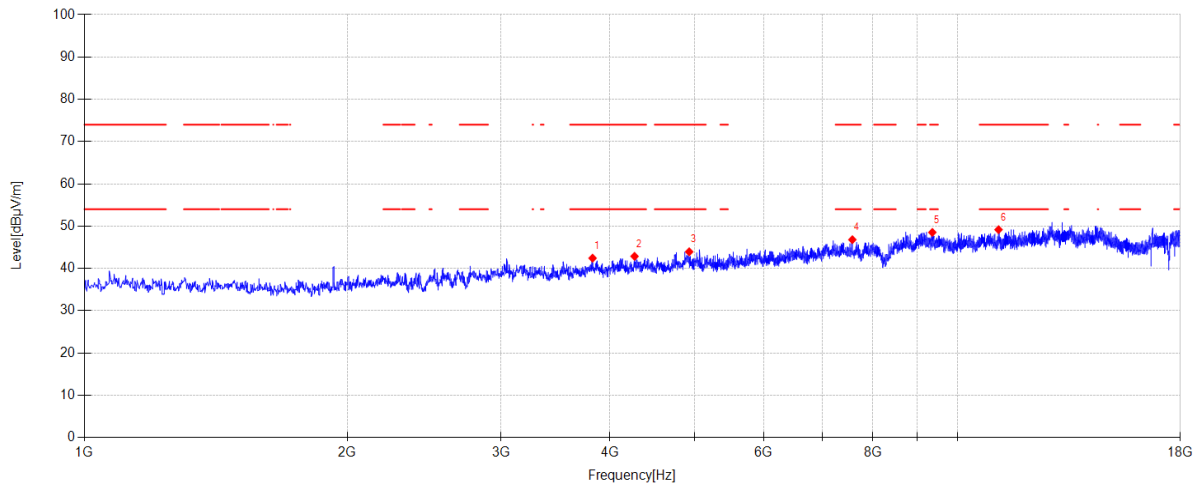
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	35.573	41.04	11.64	3.86	24.24	40.00	15.76	QP
2	55.798	30.42	12.94	4.03	15.09	40.00	24.91	QP
3	99.714	29.5	11.83	4.30	13.33	43.50	30.17	QP
4	184.941	31.42	9.88	4.79	13.71	43.50	29.79	QP
5	265.002	33.92	12.40	5.14	19.06	46.00	26.94	QP
6	651.998	26.08	19.22	6.52	18.84	46.00	27.16	QP

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



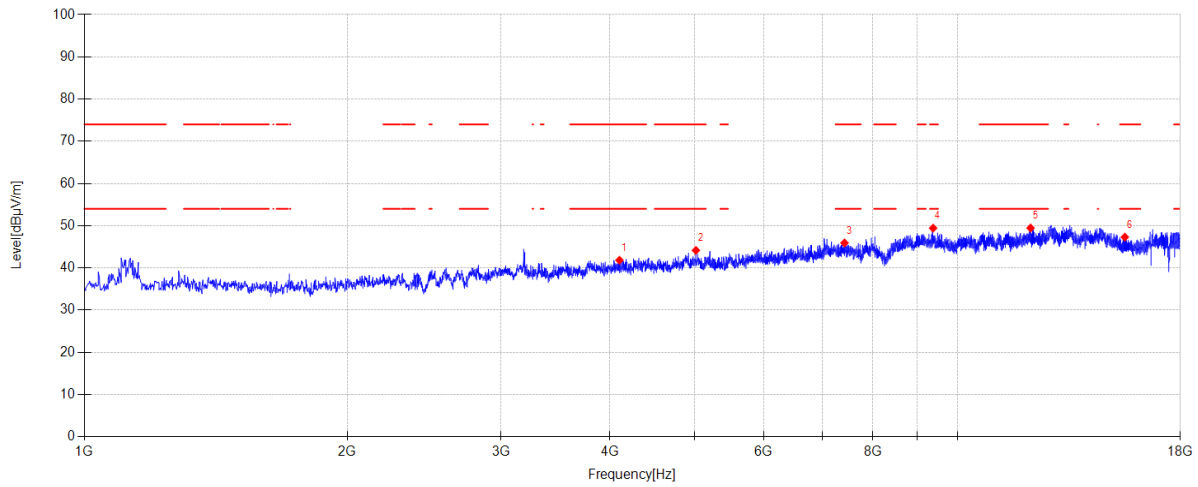
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	40.928	46.28	12.66	3.93	30.57	40.00	9.43	QP
2	56.309	37.09	12.91	4.03	21.73	40.00	18.27	QP
3	91.474	40.37	9.79	4.26	22.12	43.50	21.38	QP
4	153.904	31.19	9.21	4.61	12.66	43.50	30.84	QP
5	289.479	32.61	13.10	5.24	18.55	46.00	27.45	QP
6	550.627	30.91	17.62	6.22	22.02	46.00	23.98	QP

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



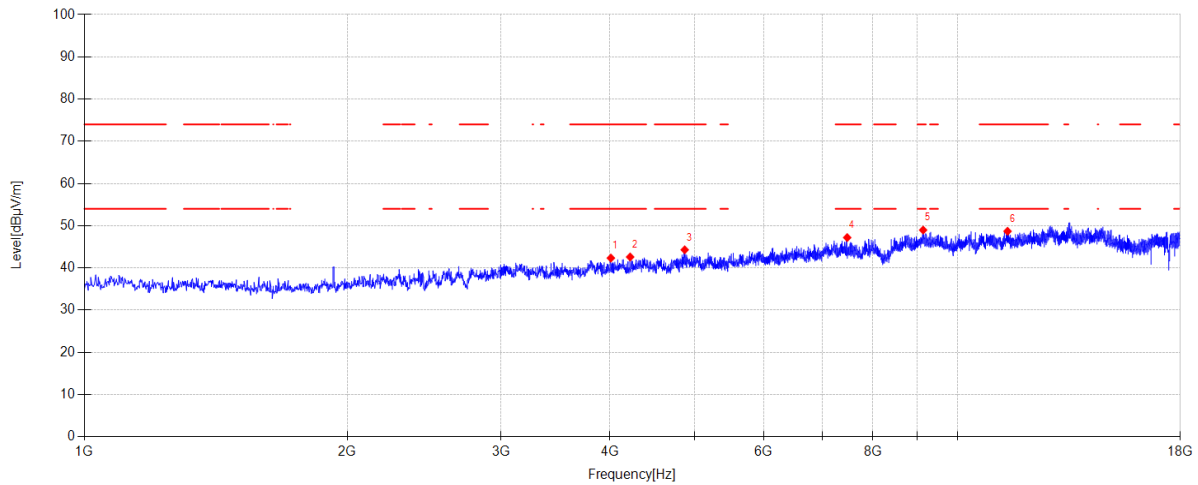
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	3820.300	46.85	30.66	4.55	-39.63	42.43	74.00	31.57	PK
2	4267.400	46.37	31.48	4.75	-39.73	42.87	74.00	31.13	PK
3	4928.700	45.43	33.10	5.20	-39.79	43.94	74.00	30.06	PK
4	7579.000	44.62	36.20	5.82	-39.84	46.80	74.00	27.20	PK
5	9358.900	41.99	38.78	6.75	-38.99	48.53	74.00	25.47	PK
6	11143.900	42.44	38.86	7.47	-39.60	49.17	74.00	24.83	PK

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



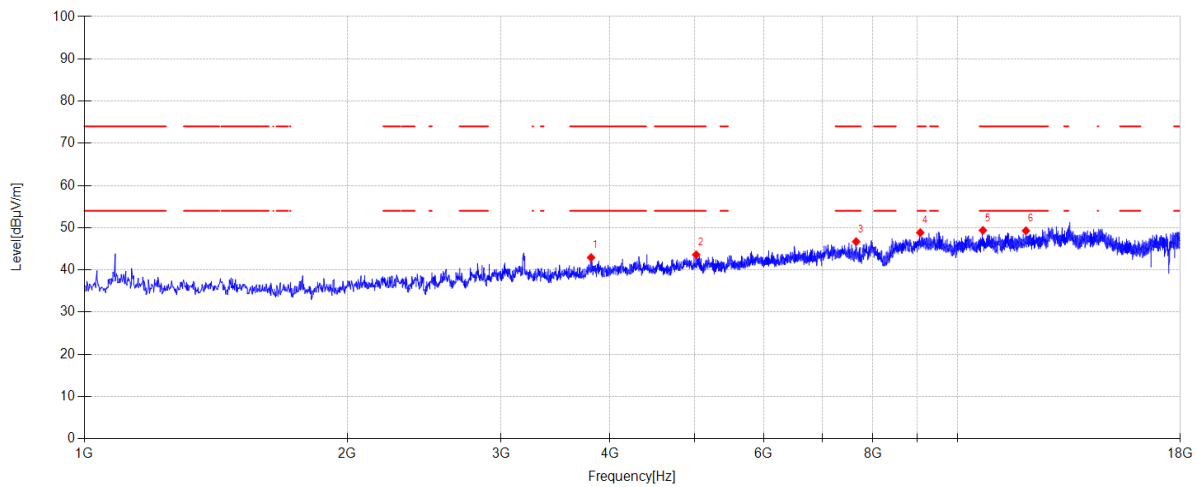
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	4100.800	45.79	31.11	4.64	-39.71	41.83	74.00	32.17	PK
2	5017.100	45.67	33.03	5.26	-39.80	44.16	74.00	29.84	PK
3	7424.300	43.36	36.65	5.77	-39.86	45.92	74.00	28.08	PK
4	9377.600	42.96	38.74	6.75	-39.02	49.43	74.00	24.57	PK
5	12126.500	41.73	39.42	7.81	-39.50	49.46	74.00	24.54	PK
6	15548.600	39.25	38.74	8.42	-39.10	47.31	74.00	26.69	PK

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 20V



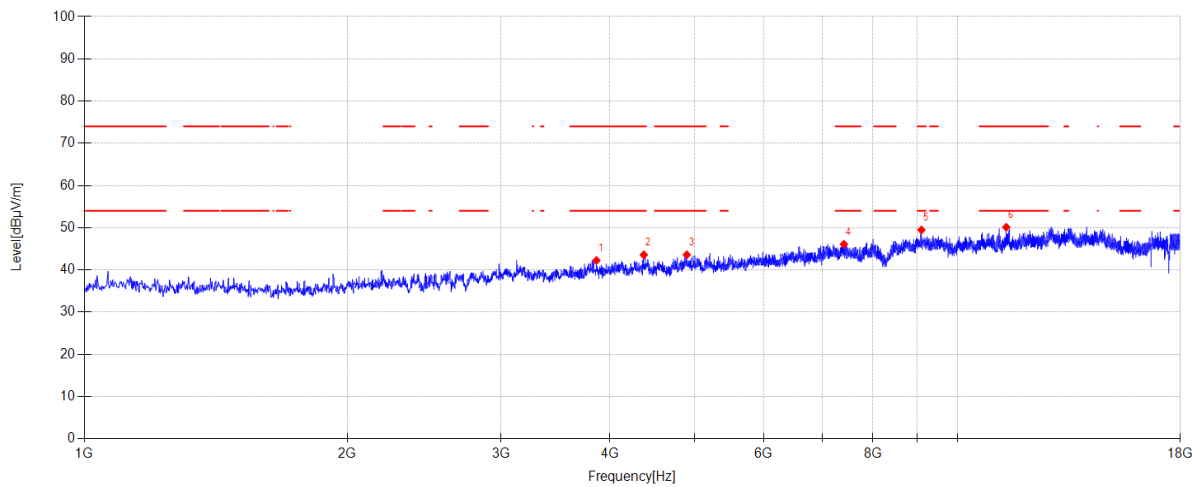
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	4009.000	46.51	30.95	4.58	-39.70	42.34	74.00	31.66	PK
2	4218.100	46.53	31.07	4.72	-39.72	42.60	74.00	31.40	PK
3	4870.900	45.95	32.98	5.16	-39.79	44.30	74.00	29.70	PK
4	7477.000	44.49	36.76	5.79	-39.85	47.19	74.00	26.81	PK
5	9134.500	42.26	38.69	6.78	-38.75	48.98	74.00	25.02	PK
6	11412.500	41.03	39.68	7.58	-39.60	48.69	74.00	25.31	PK

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 20V



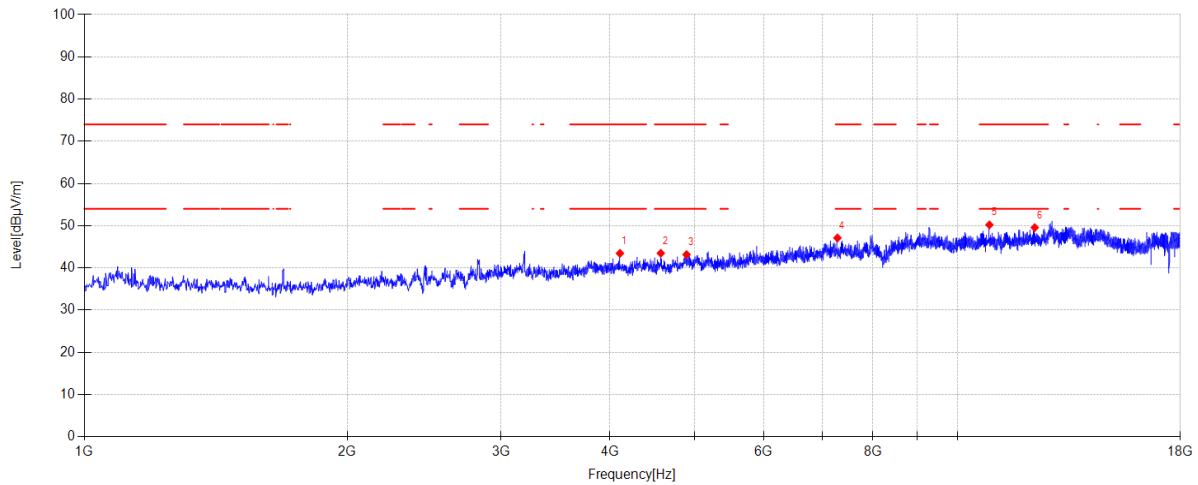
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	3805.000	47.17	30.84	4.54	-39.62	42.93	74.00	31.07	PK
2	5020.500	45.09	33.04	5.26	-39.80	43.59	74.00	30.41	PK
3	7655.500	43.71	36.97	5.85	-39.83	46.70	74.00	27.30	PK
4	9064.800	42.08	38.63	6.79	-38.67	48.83	74.00	25.17	PK
5	10693.400	42.35	39.48	7.18	-39.63	49.38	74.00	24.62	PK
6	11978.600	42.20	38.89	7.80	-39.60	49.29	74.00	24.71	PK

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



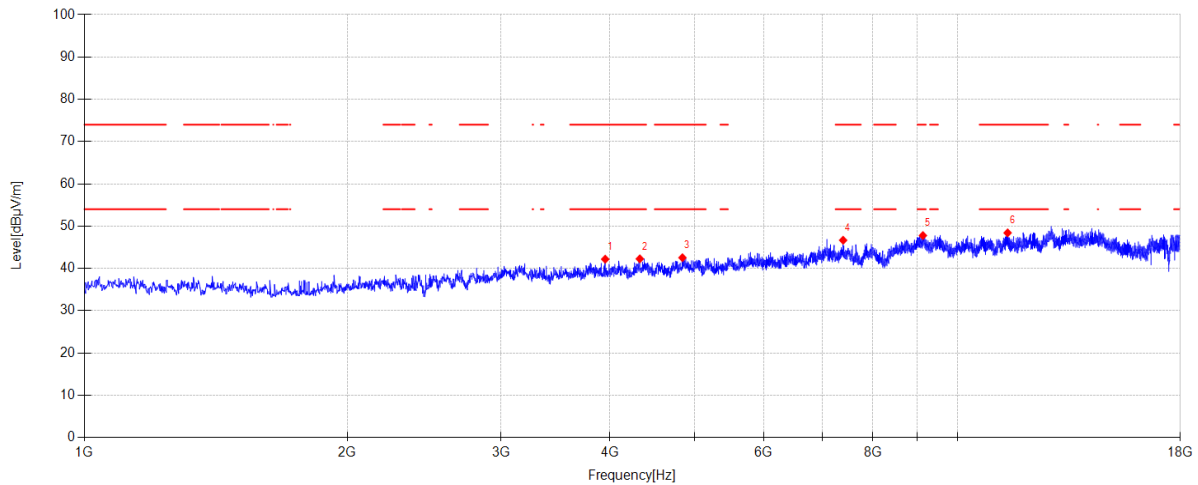
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	3859.400	46.93	30.41	4.55	-39.64	42.25	74.00	31.75	PK
2	4372.800	46.92	31.57	4.82	-39.74	43.57	74.00	30.43	PK
3	4898.100	45.12	33.09	5.18	-39.79	43.60	74.00	30.40	PK
4	7412.400	43.51	36.68	5.76	-39.86	46.09	74.00	27.91	PK
5	9093.700	43.27	38.11	6.79	-38.70	49.47	74.00	24.53	PK
6	11373.400	42.67	39.48	7.56	-39.60	50.11	74.00	23.89	PK

Test Mode:	802.11n20 MIMO	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



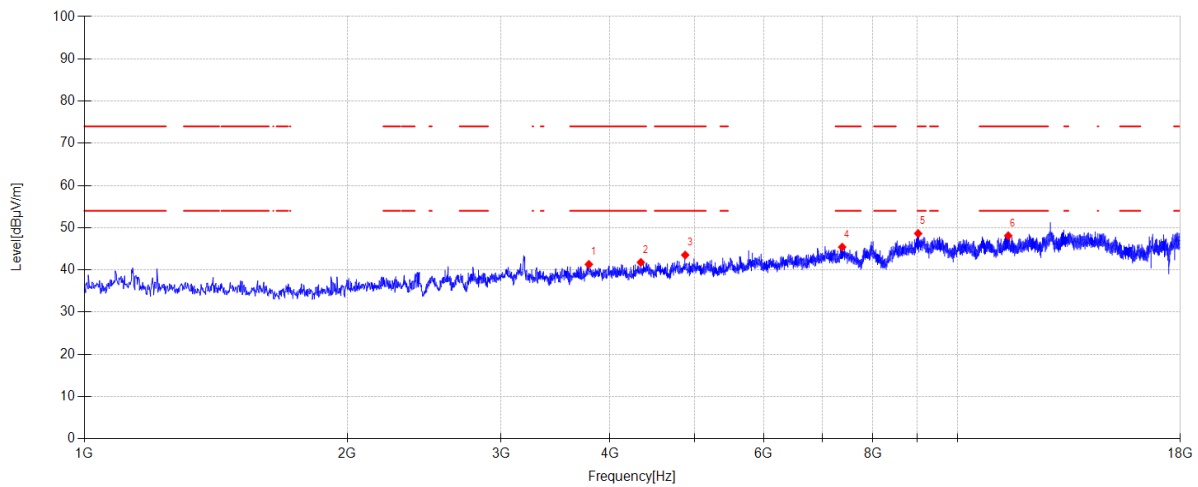
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	4105.900	47.38	31.15	4.64	-39.71	43.46	74.00	30.54	PK
2	4573.400	46.51	31.77	4.96	-39.76	43.48	74.00	30.52	PK
3	4894.700	44.70	33.08	5.18	-39.79	43.17	74.00	30.83	PK
4	7286.600	44.25	37.00	5.72	-39.87	47.10	74.00	26.90	PK
5	10880.400	43.01	39.48	7.32	-39.61	50.20	74.00	23.80	PK
6	12260.800	41.82	39.32	7.81	-39.39	49.56	74.00	24.44	PK

Test Mode:	802.11n20 MIMO RU0	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 20V



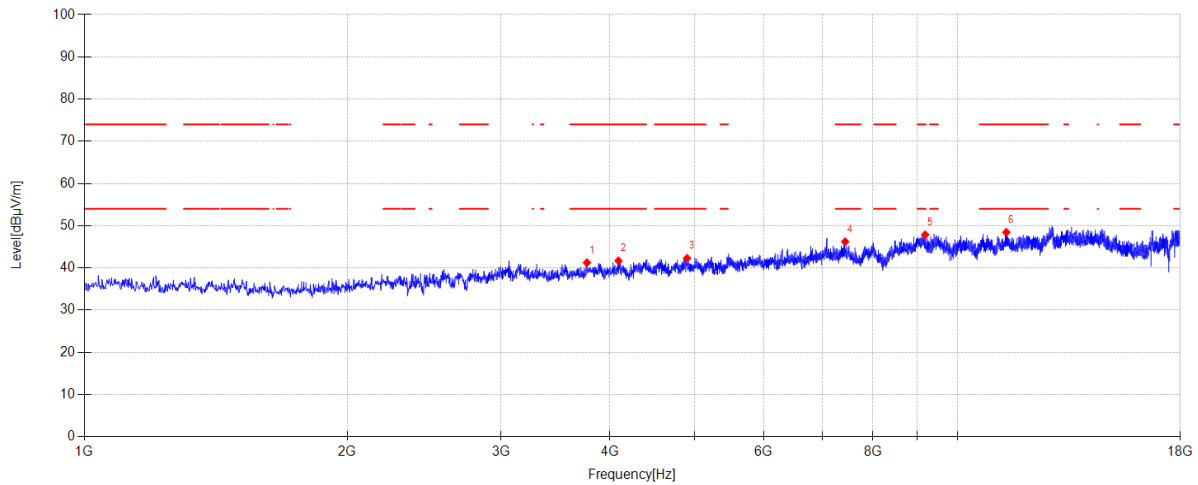
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	3949.500	47.00	30.31	4.56	-39.68	42.19	74.00	31.81	PK
2	4326.900	45.59	31.62	4.79	-39.73	42.27	74.00	31.73	PK
3	4842.000	44.41	32.77	5.14	-39.78	42.54	74.00	31.46	PK
4	7397.100	44.05	36.72	5.76	-39.86	46.67	74.00	27.33	PK
5	9129.400	41.15	38.59	6.78	-38.74	47.78	74.00	26.22	PK
6	11414.200	40.77	39.66	7.58	-39.60	48.41	74.00	25.59	PK

Test Mode:	802.11n20 MIMO RU0	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 20V



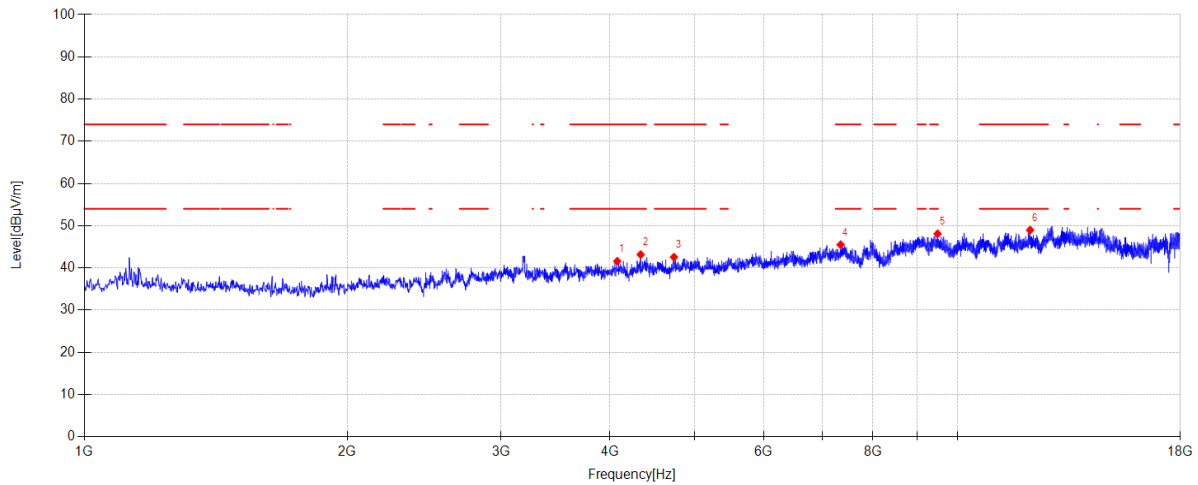
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	3782.900	45.86	30.52	4.54	-39.61	41.31	74.00	32.69	PK
2	4338.800	45.25	31.46	4.80	-39.73	41.78	74.00	32.22	PK
3	4877.700	45.15	33.01	5.17	-39.79	43.54	74.00	30.46	PK
4	7378.400	42.69	36.83	5.75	-39.86	45.41	74.00	28.59	PK
5	9015.500	41.83	38.62	6.80	-38.62	48.63	74.00	25.37	PK
6	11432.900	40.65	39.47	7.58	-39.60	48.10	74.00	25.90	PK

Test Mode:	802.11n20 MIMO RU0	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	3764.200	46.21	30.11	4.54	-39.61	41.25	74.00	32.75	PK
2	4090.600	45.66	31.12	4.63	-39.71	41.70	74.00	32.30	PK
3	4901.500	43.80	33.10	5.18	-39.79	42.29	74.00	31.71	PK
4	7436.200	43.67	36.63	5.77	-39.86	46.21	74.00	27.79	PK
5	9183.800	41.29	38.59	6.78	-38.80	47.86	74.00	26.14	PK
6	11375.100	40.98	39.50	7.56	-39.60	48.44	74.00	25.56	PK

Test Mode:	802.11n20 MIMO RU0	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 20V



NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector
1	4077.000	45.53	31.15	4.62	-39.71	41.59	74.00	32.41	PK
2	4337.100	46.61	31.48	4.80	-39.73	43.16	74.00	30.84	PK
3	4734.900	45.33	31.93	5.07	-39.77	42.56	74.00	31.44	PK
4	7347.800	42.64	37.00	5.74	-39.87	45.51	74.00	28.49	PK
5	9489.800	41.72	38.76	6.74	-39.14	48.08	74.00	25.92	PK
6	12111.200	41.19	39.47	7.81	-39.51	48.96	74.00	25.04	PK

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

10. TEST DATA

10.1. APPENDIX A: MAXIMUM CONDUCTED OUTPUT POWER

10.1.1. Test Result-SU Mode

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	21.21	≤30.00	24	≤36.00	PASS
	Ant2	2412	21.96	≤30.00	24.82	≤36.00	PASS
	Ant1	2462	22.61	≤30.00	25.4	≤36.00	PASS
	Ant2	2462	21.79	≤30.00	24.65	≤36.00	PASS
11G	Ant1	2442	21.14	≤30.00	23.93	≤36.00	PASS
	Ant2	2442	20.51	≤30.00	23.37	≤36.00	PASS
11N20SISO	Ant1	2462	21.21	≤30.00	24	≤36.00	PASS
	Ant2	2462	20.33	≤30.00	23.19	≤36.00	PASS
11N40SISO	Ant1	2452	20.04	≤30.00	22.83	≤36.00	PASS
	Ant2	2452	19.53	≤30.00	22.39	≤36.00	PASS
11AX20SISO	Ant1	2442	21.04	≤30.00	23.83	≤36.00	PASS
	Ant2	2442	19.59	≤30.00	22.45	≤36.00	PASS
11AX40SISO	Ant1	2442	20.66	≤30.00	23.45	≤36.00	PASS
	Ant2	2442	19.62	≤30.00	22.48	≤36.00	PASS
11N20MIMO	Ant1	2442	19.14	≤30.00	21.93	≤36.00	PASS
	Ant2	2442	18.93	≤30.00	21.79	≤36.00	PASS
	total	2442	23.42	≤30.00	26.28	≤36.00	PASS
11N40MIMO	Ant1	2452	17.76	≤30.00	20.55	≤36.00	PASS
	Ant2	2452	17.62	≤30.00	20.48	≤36.00	PASS
	total	2452	20.7	≤30.00	23.56	≤36.00	PASS
11AX20MIMO	Ant1	2462	19.93	≤30.00	22.72	≤36.00	PASS
	Ant2	2462	19.86	≤30.00	22.72	≤36.00	PASS
	total	2462	22.91	≤30.00	25.77	≤36.00	PASS
11AX40MIMO	Ant1	2452	17.92	≤30.00	20.71	≤36.00	PASS
	Ant2	2452	17.74	≤30.00	20.6	≤36.00	PASS
	total	2452	20.84	≤30.00	23.7	≤36.00	PASS

END OF REPORT