

TEST REPORT

Application No.: SUCR2510001019AT
FCC ID: XMR25QB560DWF
Applicant: Quectel Wireless Solutions Co., Ltd.
Address of Applicant: No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China
Manufacturer: Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer: No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China
Equipment Under Test (EUT):
EUT Name: 5G Edge Computing Box
Model No.: QB560D-WF
Trade Mark: QUECTEL
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2025-10-21
Date of Test: 2025-11-26 to 2025-12-02
Date of Issue: 2025-12-02

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
01	Original	2025-12-02	/

Authorized for issue by:			
Tested By		Nature Shen	
		Nature Shen/Project Engineer	
Approved By		Cedar cheng	
		Cedar Cheng /Reviewer	

2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Customer Declaration

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Conducted Peak Output Power		ANSI C63.10 (2020) Section 11.9.2	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Minimum 6dB Bandwidth		ANSI C63.10 (2020) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Power Spectrum Density		ANSI C63.10 (2020) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Reference report PD20230213RF03
Conducted Band Edges Measurement		ANSI C63.10 (2020) Section 6.10.4	47 CFR Part 15, Subpart C 15.247(d)	
Conducted Spurious Emissions		ANSI C63.10 (2020) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	

Remark:

The Smart Module (Model: SG560D-WF) has been certified, and the report number is PD20230213RF03 issued by Hefei Panwin Technology Co., Ltd. So, we only evaluate the Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands, Radiated Spurious Emissions Below 1GHz, Radiated Spurious Emissions Above 1GHz, Conducted Peak Output Power and Minimum 6dB Bandwidth test of this sample, other test data please refer to module test report.

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4 General Information

4.1 Details of E.U.T.

Power supply:	12V
Operation Frequency:	802.11b/g/n(HT20)/ax(HEW20): 2412MHz to 2462MHz; 802.11n(HT40)/ax(HEW40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (DBPSK, DQPSK, CCK); 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Number of Channels:	802.11b/g/n(HT20)/ax(HEW20):11; 802.11n(HT40)/ax(HEW40):7
Channel Spacing:	5MHz
Antenna Type:	Dipole Antenna
Antenna Gain:	Ant 1:4.2dBi(Provided by the manufacturer) Ant 2:4.2dBi(Provided by the manufacturer)
Antenna Number:	2*
Remark*: The EUT supports Wi-Fi MIMO and SISO modes. Since transmit power is higher in MIMO mode, all tests were performed under MIMO mode as the worst-case condition.	

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Computer	Lenovo	T14	2YK6GR
Mouse	Lenovo	3D optical Mouse	N/A

4.3 Measurement Uncertainty & Decision Rule

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	Conduction emission	$\pm 3.0\text{dB}$ (150kHz to 30MHz)
5	RF conducted power	$\pm 0.75\text{dB}$
6	RF power density	$\pm 2.84\text{dB}$
7	Conducted Spurious emissions	$\pm 0.75\text{dB}$
8	RF Radiated power	$\pm 2.6\text{dB}$ (30MHz-1GHz)
		$\pm 2.7\text{dB}$ (1GHz-18GHz)
9	Temperature test	$\pm 1^{\circ}\text{C}$
10	Humidity test	$\pm 3\%$
11	Supply voltages	$\pm 1\%$
12	Time	$\pm 3\%$
Remark: The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)
Pilot Free Trade Zone

No tests were sub-contracted.

Note:

- 1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
- 2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).
3. Sample source: sent by customer.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6336.01.

- **FCC**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory. Designation Number: CN1312.

- **ISED**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 27594

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals						
1	EMI Test Receive	R&S	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
2	LISN	R&S	ENV216	SUWI-01-19-03	5/8/2025	5/7/2026
3	LISN	Schwarzbeck	ENV216	SUWI-01-19-04	5/8/2025	5/7/2026
4	Test Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	N.C.R	N.C.R
RF Conducted Test						
1	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
2	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-15	11/21/2025	11/20/2026
3	MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	1/15/2025	1/14/2026
4	Signal Generator	ROHDE&SCHWARZ	SMW200A	SUWI-01-07-08	3/27/2025	3/26/2026
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-8-01	1/16/2025	1/15/2026
6	MXG Vector Signal Generator	ROHDE&SCHWARZ	SMR20	SUWI-01-33-01	11/21/2025	11/20/2026
7	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-13	5/8/2025	5/7/2026
8	Wideband Radio Communication Test Ststion	Anritsu	MT8000A	SUWI-01-34-02	11/21/2025	11/20/2026
9	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	11/21/2025	11/20/2026
10	Power meter	Anritsu	ML2495A	SUWI-01-31-01	11/21/2025	11/20/2026
11	Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	11/21/2025	11/20/2026
12	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026
13	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2/13/2025	2/12/2026
14	Temperature Chamber	GIANT FORCE	ICT-017-40-SP-SD	SUWI-01-13-02	5/7/2025	5/6/2026
15	Measurement Software	TST	TST 272 V2.02	SUWI-03-55-03	NCR	NCR
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	6/3/2023	6/2/2026
2	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
3	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-09	11/21/2025	11/20/2026
4	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	1/16/2025	1/15/2026
6	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	9/10/2025	9/9/2027

7	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	5/7/2025	5/6/2027
8	Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/7/2025	5/6/2027
9	Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/7/2025	5/6/2027
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	1/16/2025	1/15/2026
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/16/2025	1/15/2026
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/20/2025	1/19/2026
13	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	11/21/2025	11/20/2026
14	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	8/25/2025	8/24/2026
15	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-09	8/26/2025	8/25/2026
16	Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-02	11/21/2025	11/20/2026
17	Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	1/16/2025	1/15/2026
18	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026
19	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026
20	Measurement Software	Tonscend	JS32-RE 4.0.0.0	SUWI-02-09-06	NCR	NCR

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

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, 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.

15.247(b) (4) requirement:

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.

EUT Antenna:

This product uses a dedicated RF connector not intended for user replacement, meeting § 15.203. The best case gain of the antenna is Ant 1:4.2dBi; Ant 2:4.2dBi.

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2020) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency.		
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz		

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

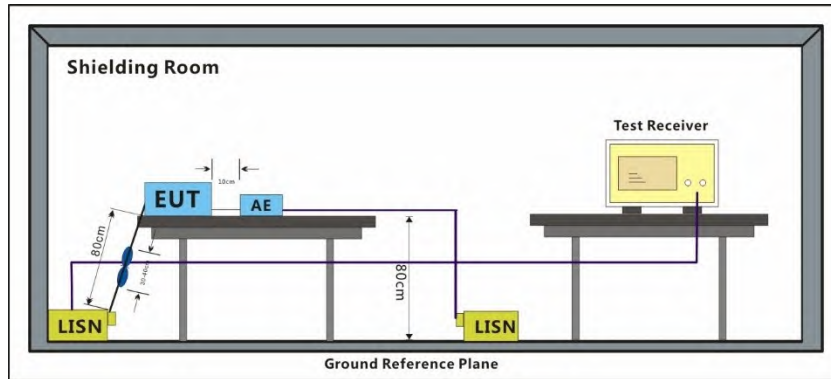
Humidity: 44 % RH

Atmospheric Pressure: 1024 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode(WLAN 2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram

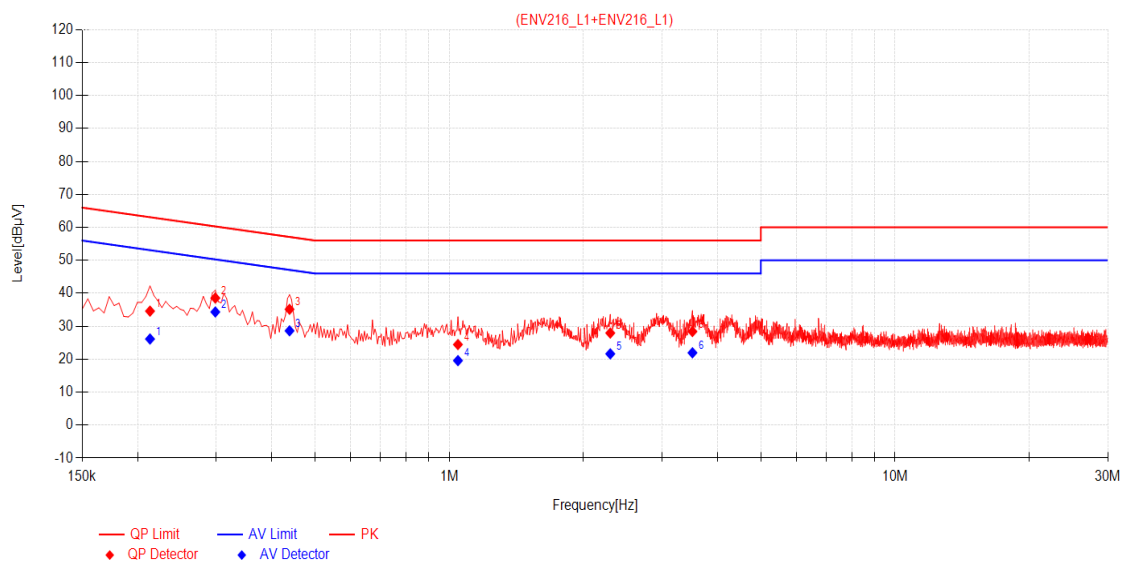


7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark : Level=Read Level+ Cable Loss+ LISN Factor

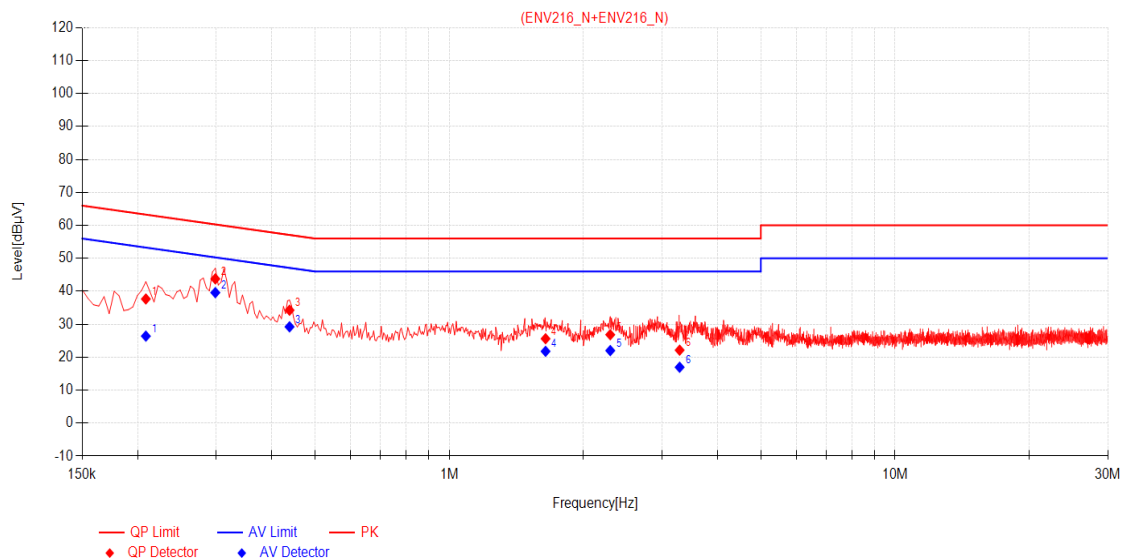
Test Mode: 08; Line: Live line



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2130	9.96	24.62	34.58	63.09	28.51	16.17	26.13	53.09	26.96	PASS
2	0.2985	9.95	28.61	38.56	60.28	21.72	24.38	34.33	50.28	15.95	PASS
3	0.4380	9.95	25.19	35.14	57.10	21.96	18.67	28.62	47.10	18.48	PASS
4	1.0455	9.94	14.51	24.45	56.00	31.55	9.64	19.58	46.00	26.42	PASS
5	2.2965	10.07	17.88	27.95	56.00	28.05	11.55	21.62	46.00	24.38	PASS
6	3.5115	10.38	18.02	28.40	56.00	27.60	11.57	21.95	46.00	24.05	PASS

Test Mode: 08; Line: Neutral Line



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2085	9.97	27.70	37.67	63.26	25.59	16.43	26.40	53.26	26.86	PASS
2	0.2985	9.95	33.81	43.76	60.28	16.52	29.64	39.59	50.28	10.69	PASS
3	0.4380	9.93	24.33	34.26	57.10	22.84	19.29	29.22	47.10	17.88	PASS
4	1.6440	9.92	15.70	25.62	56.00	30.38	11.87	21.79	46.00	24.21	PASS
5	2.2965	10.06	16.77	26.83	56.00	29.17	11.95	22.01	46.00	23.99	PASS
6	3.2865	10.40	11.74	22.14	56.00	33.86	6.56	16.96	46.00	29.04	PASS

7.2 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.10.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

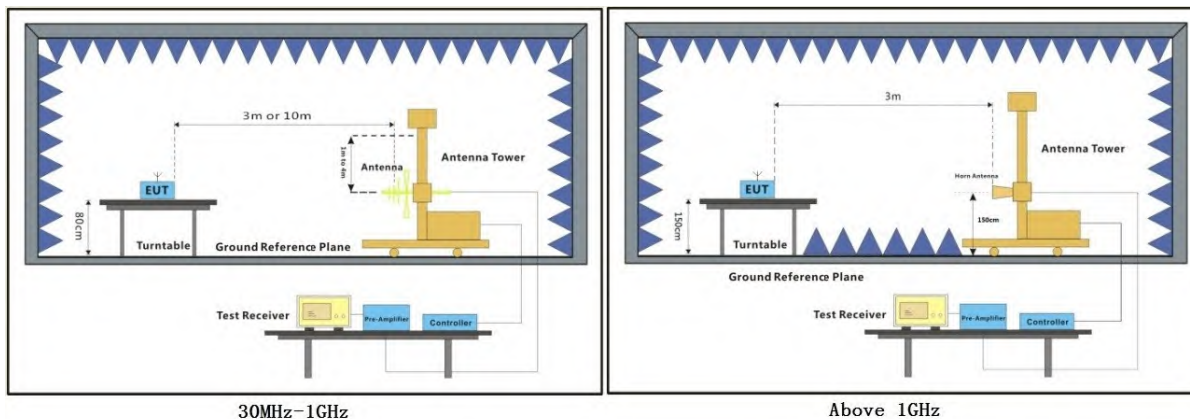
Humidity: 44 % RH

Atmospheric Pressure: 1024 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode(WLAN 2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

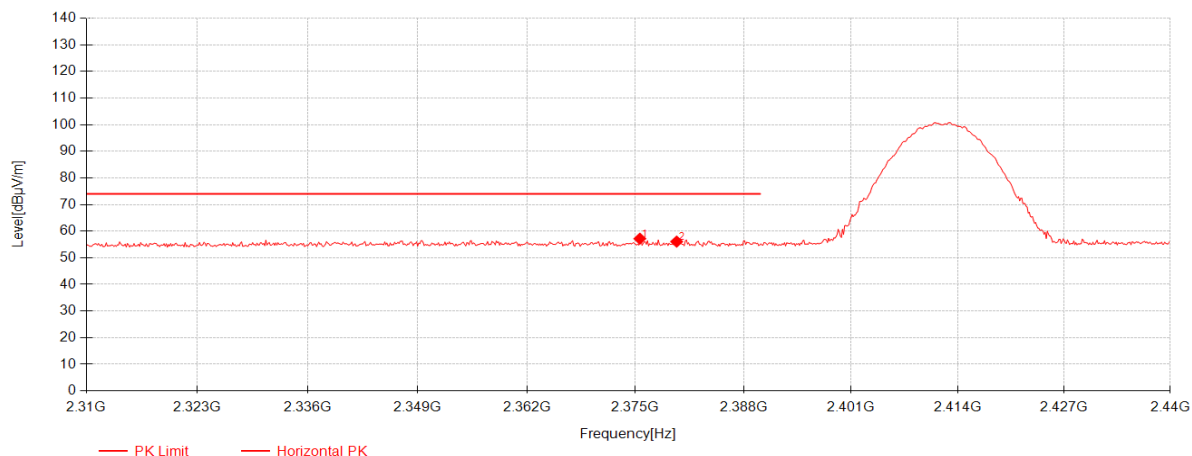
Remark 1: $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Remark 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

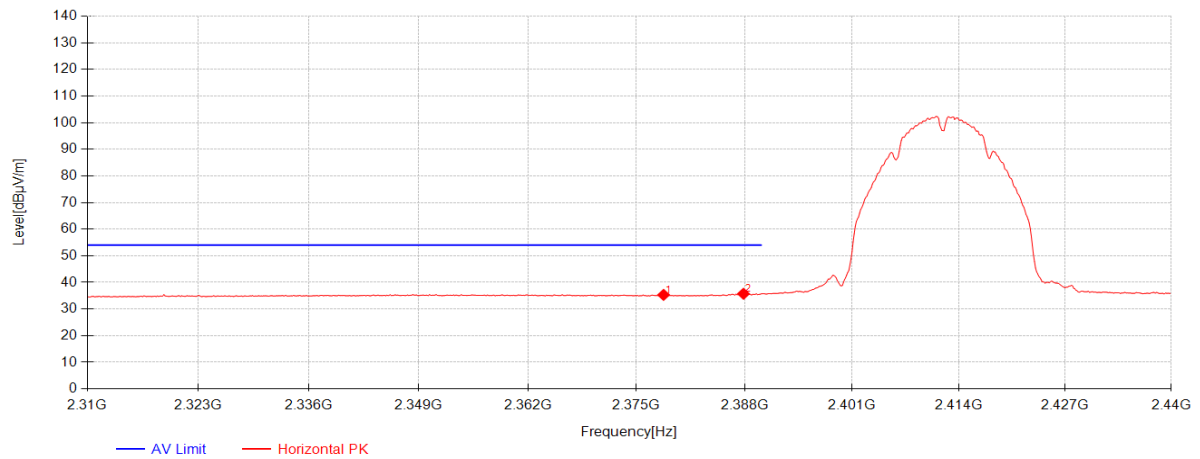
Remark 4: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

11b_TX_CH_01_Horizontal_Peak



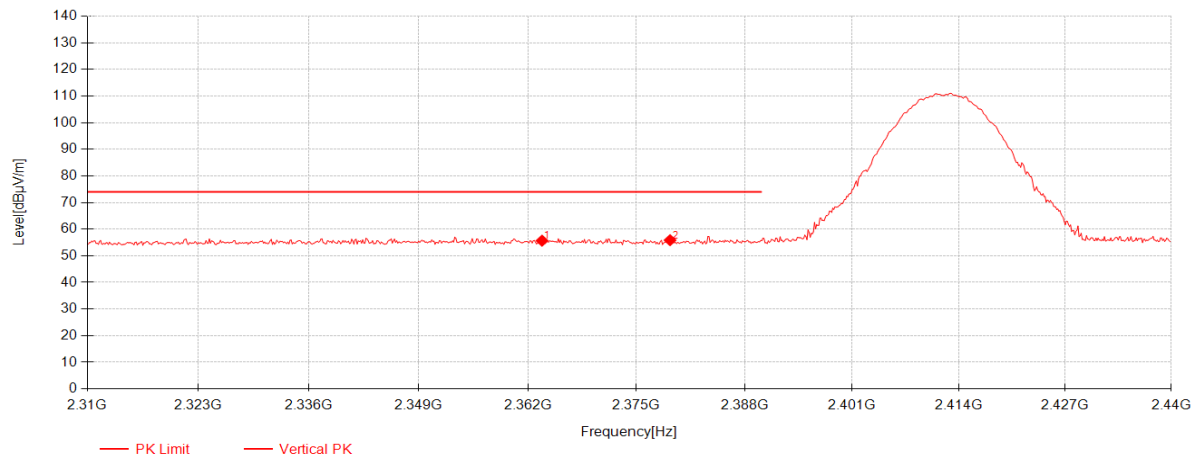
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2375.52	27.50	-17.58	57.18	74.00	16.82	Horizontal
2	2379.94	27.48	-17.57	56.08	74.00	17.92	Horizontal

11b_TX_CH_01_Horizontal_Average



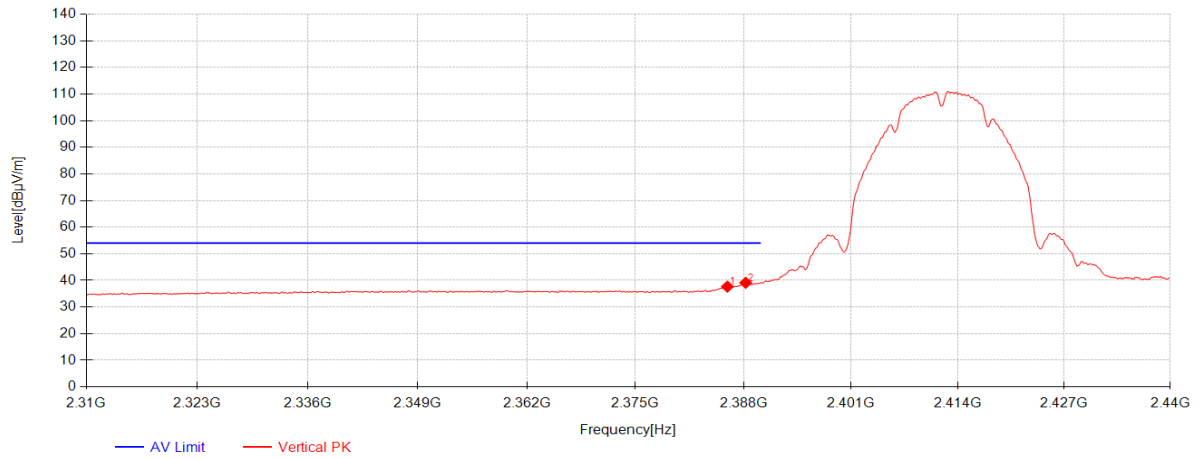
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2378.25	27.49	-17.57	35.32	54.00	18.68	Horizontal
2	2387.87	27.45	-17.56	35.73	54.00	18.27	Horizontal

11b_TX_CH_01_Vertical_Peak



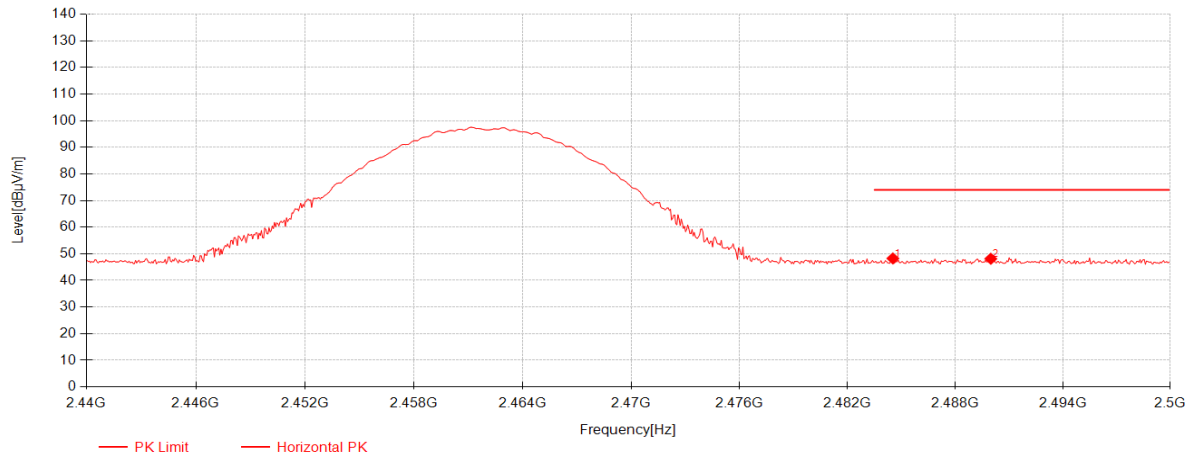
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2363.69	27.55	-17.59	55.68	74.00	18.32	Vertical
2	2379.03	27.48	-17.57	55.87	74.00	18.13	Vertical

11b_TX_CH_01_Vertical_Average



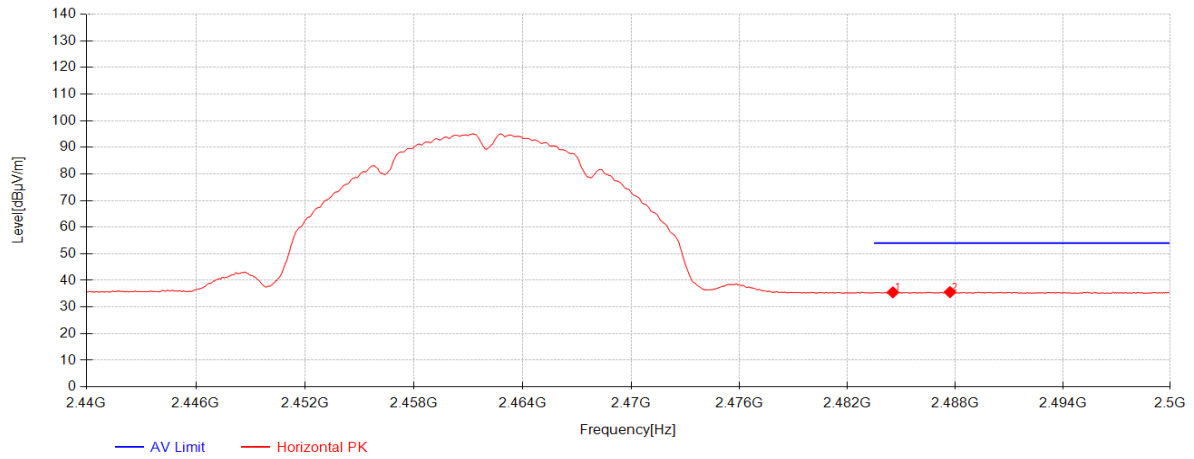
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.05	27.46	-17.57	37.66	54.00	16.34	Vertical
2	2388.26	27.45	-17.56	39.10	54.00	14.90	Vertical

11b_TX_CH_11_Horizontal_Peak



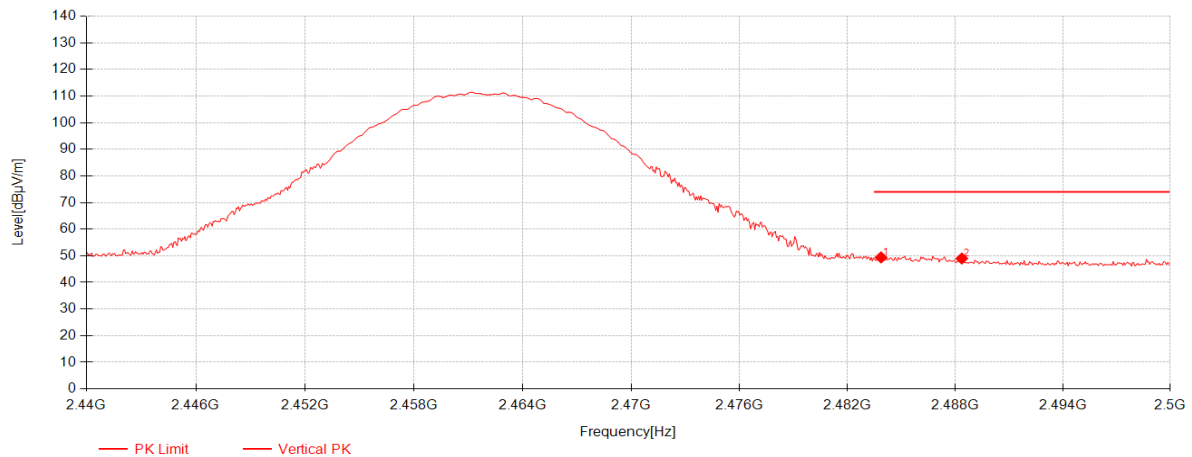
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.52	27.74	-17.55	48.25	74.00	25.75	Horizontal
2	2489.98	27.76	-17.55	48.13	74.00	25.87	Horizontal

11b_TX_CH_11_Horizontal_Average



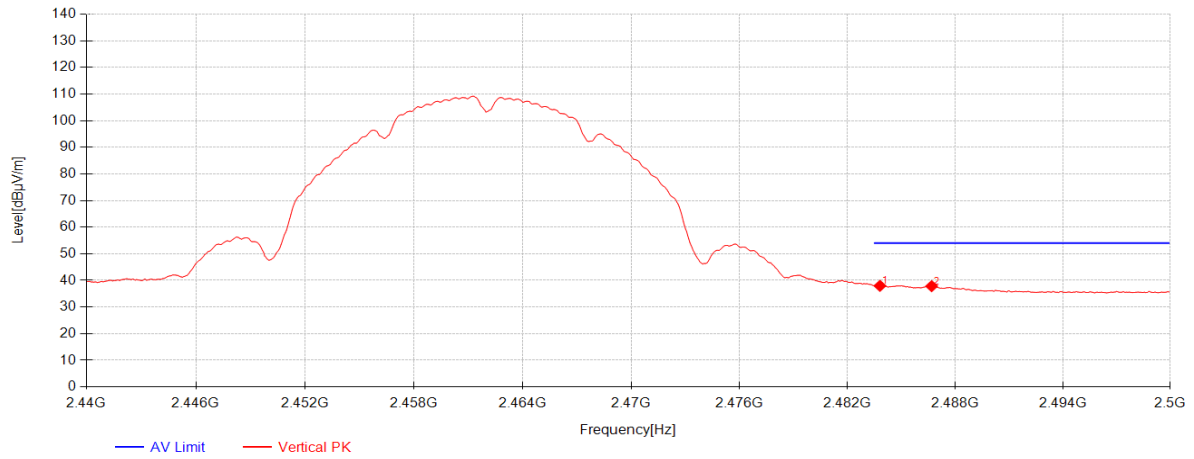
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.52	27.74	-17.55	35.52	54.00	18.48	Horizontal
2	2487.7	27.75	-17.55	35.60	54.00	18.40	Horizontal

11b_TX_CH_11_Vertical_Peak



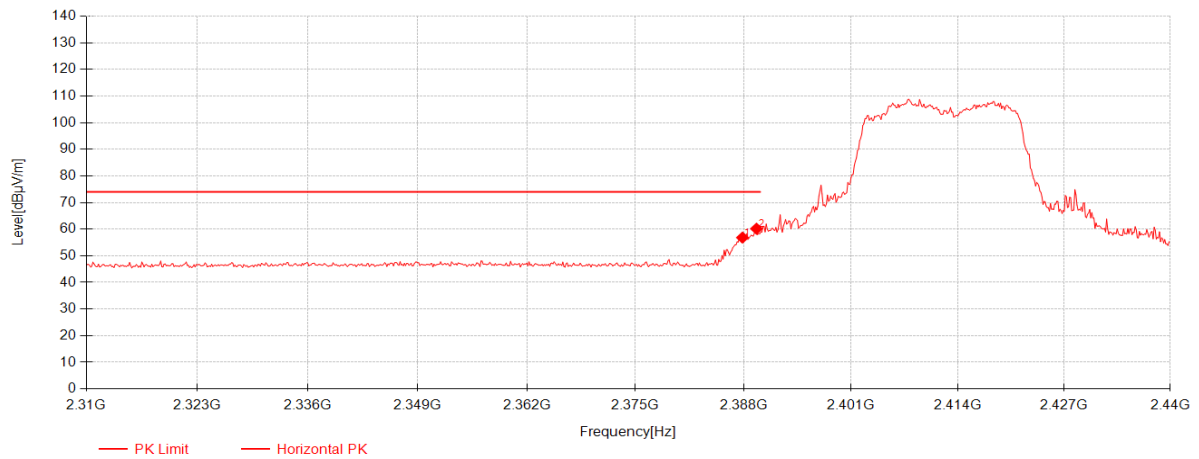
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.86	27.74	-17.55	49.39	74.00	24.61	Vertical
2	2488.36	27.75	-17.55	48.98	74.00	25.02	Vertical

11b_TX_CH_11_Vertical_Average



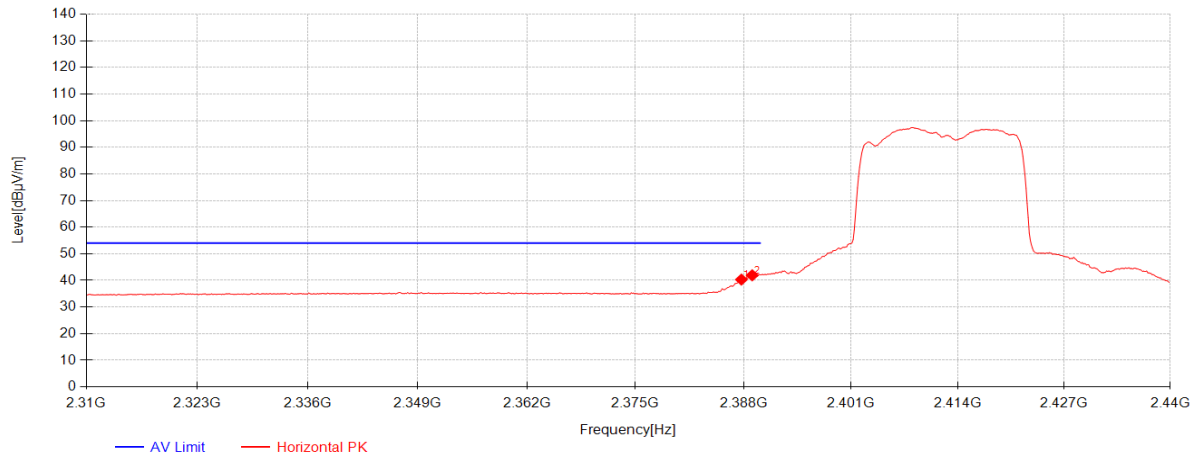
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	27.74	-17.55	37.96	54.00	16.04	Vertical
2	2486.68	27.75	-17.55	37.85	54.00	16.15	Vertical

11(HE20)_TX_CH_01_Horizontal_Peak



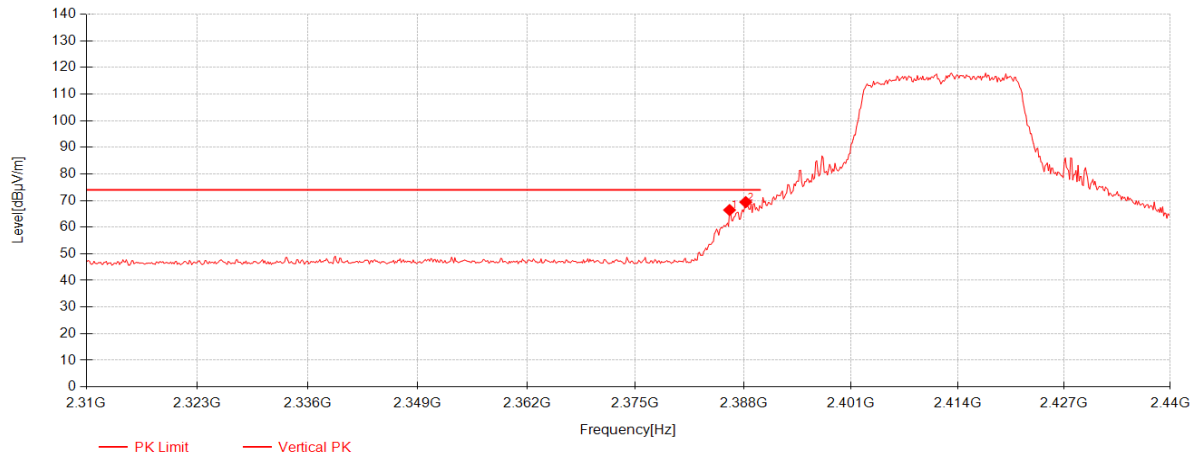
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.87	27.45	-17.56	56.85	74.00	17.15	Horizontal
2	2389.56	27.44	-17.56	60.17	74.00	13.83	Horizontal

11(HE20)_TX_CH_01_Horizontal_Average



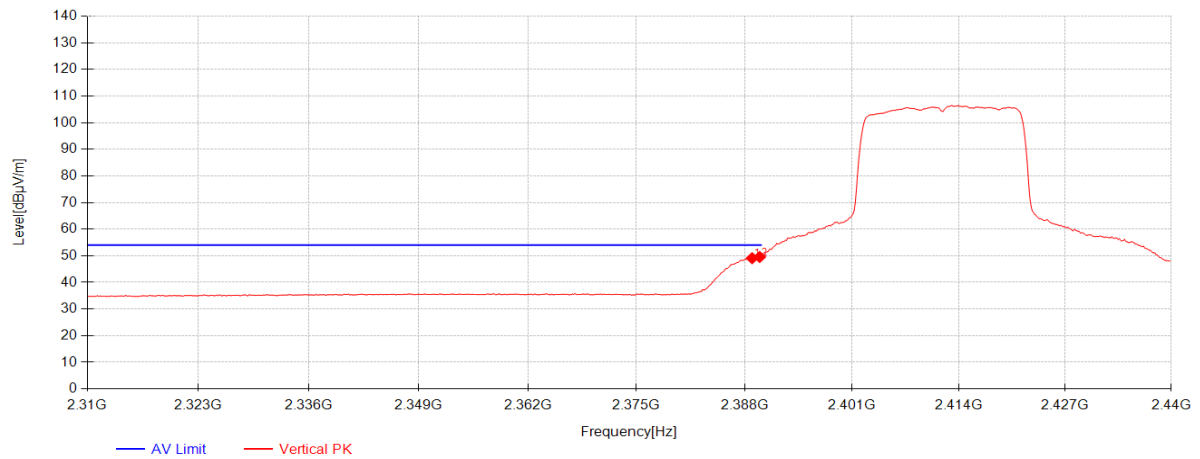
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.74	27.45	-17.56	40.32	54.00	13.68	Horizontal
2	2389.04	27.44	-17.56	41.92	54.00	12.08	Horizontal

11(HE20)_TX_CH_01_Vertical_Peak



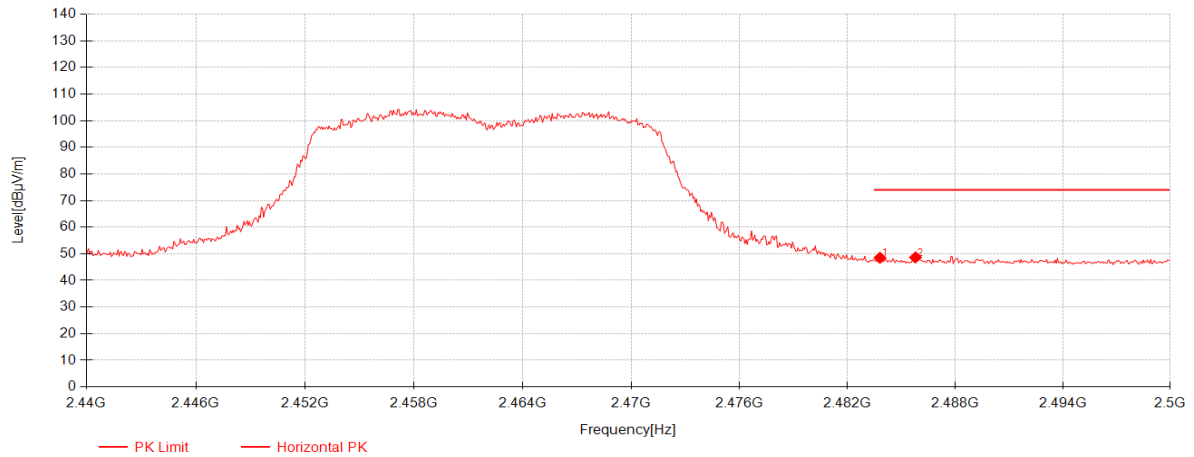
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.31	27.45	-17.57	66.44	74.00	7.56	Vertical
2	2388.26	27.45	-17.56	69.42	74.00	4.58	Vertical

11(HE20)_TX_CH_01_Veritical_Average



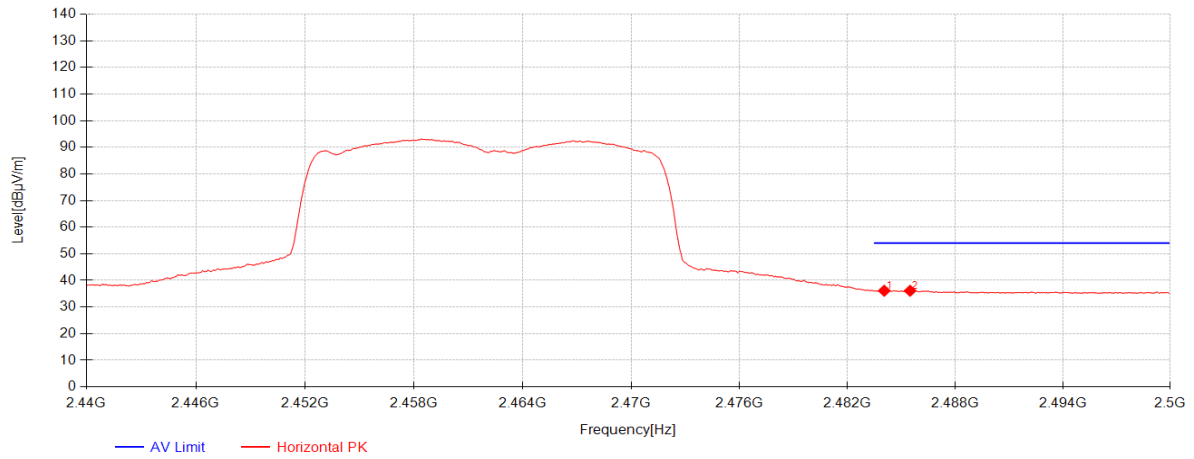
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.91	27.44	-17.56	49.10	54.00	4.90	Vertical
2	2389.82	27.44	-17.56	49.54	54.00	4.46	Vertical

11(HE20)_TX_CH_11_Horizontal_Peak



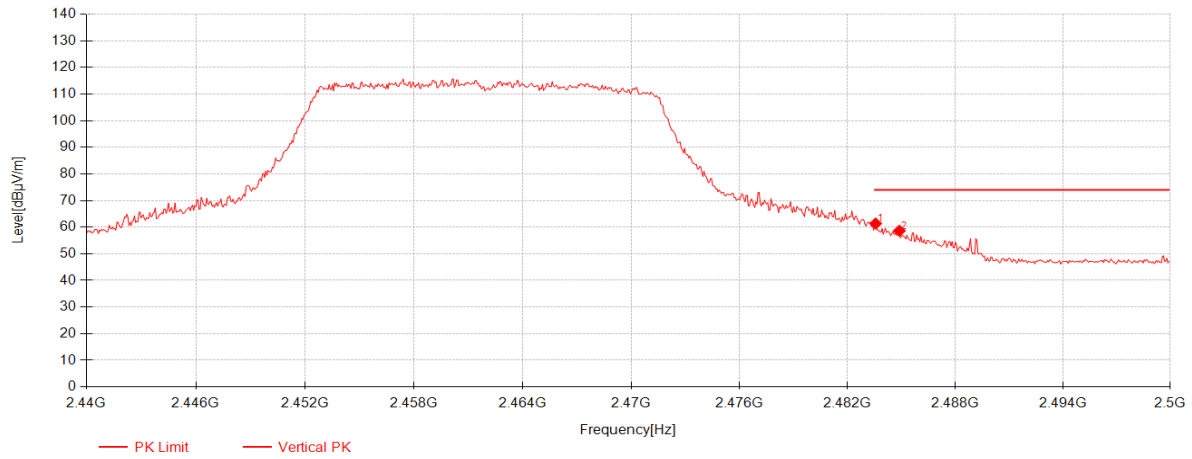
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	27.74	-17.55	48.50	74.00	25.50	Horizontal
2	2485.78	27.74	-17.55	48.65	74.00	25.35	Horizontal

11(HE20)_TX_CH_11_Horizontal_Average



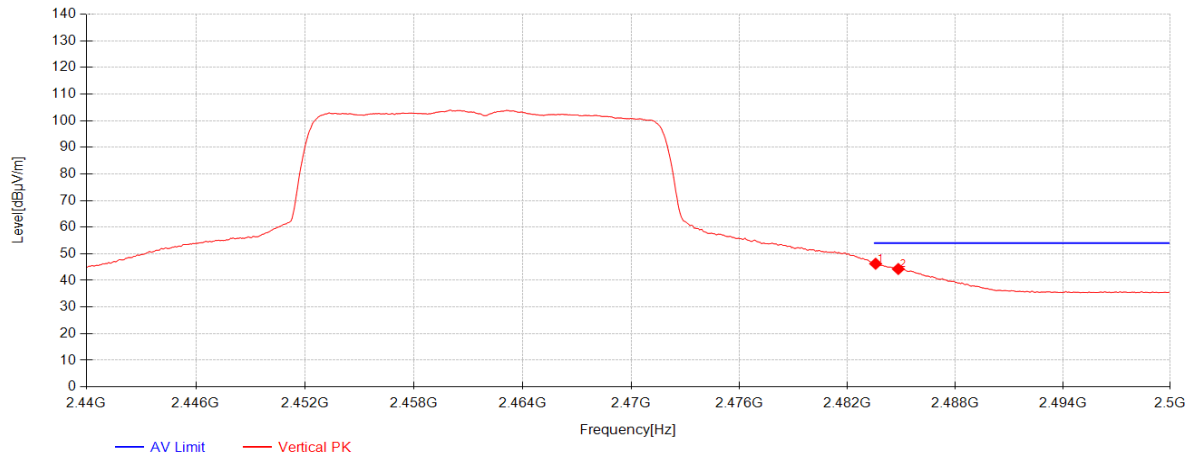
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.04	27.74	-17.55	36.12	54.00	17.88	Horizontal
2	2485.48	27.74	-17.55	36.11	54.00	17.89	Horizontal

11(HE20)_TX_CH_11_Veritical_Peak



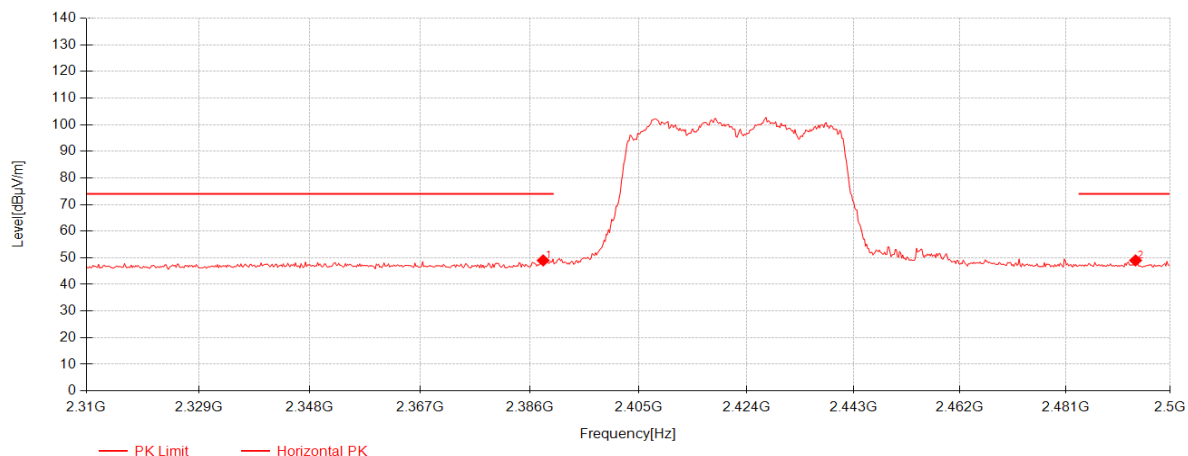
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.56	27.73	-17.55	61.37	74.00	12.63	Vertical
2	2484.88	27.74	-17.55	58.64	74.00	15.36	Vertical

11(HE20)_TX_CH_11_Veritical_Average



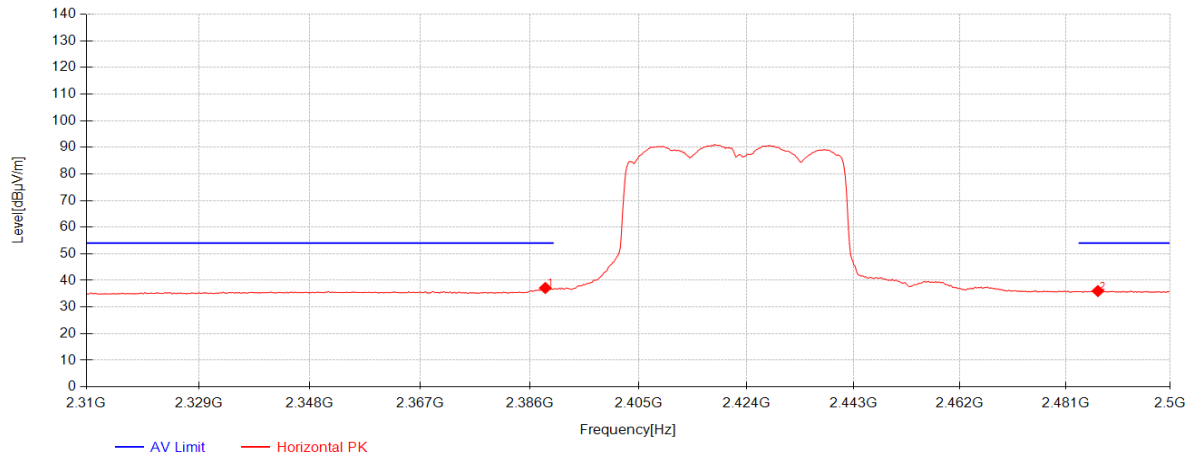
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.56	27.73	-17.55	46.27	54.00	7.73	Vertical
2	2484.82	27.74	-17.55	44.30	54.00	9.70	Vertical

11(HE40)_TX_CH_03_Horizontal_Peak



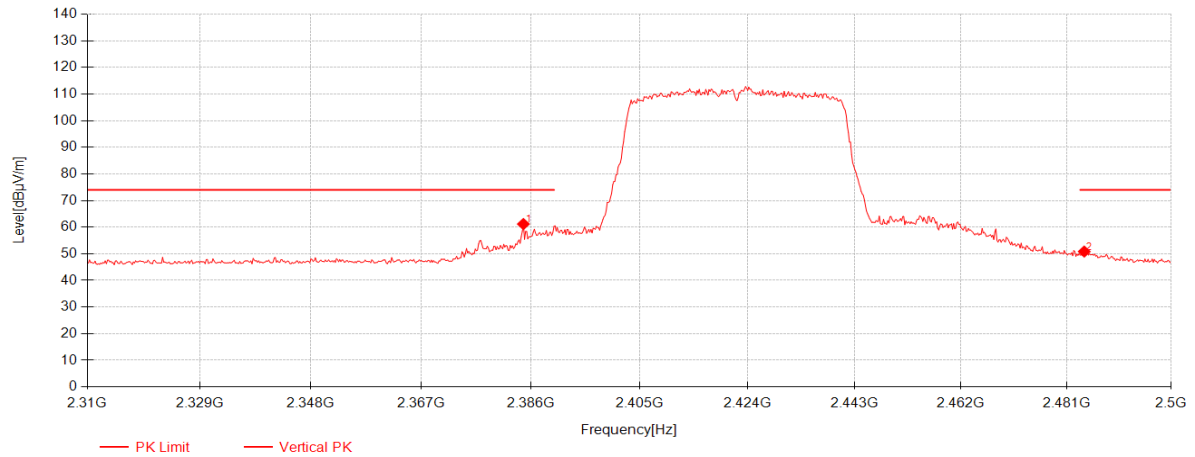
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.28	27.45	-17.56	49.02	74.00	24.98	Horizontal
2	2493.73	27.77	-17.55	49.01	74.00	24.99	Horizontal

11(HE40)_TX_CH_03_Horizontal_Average



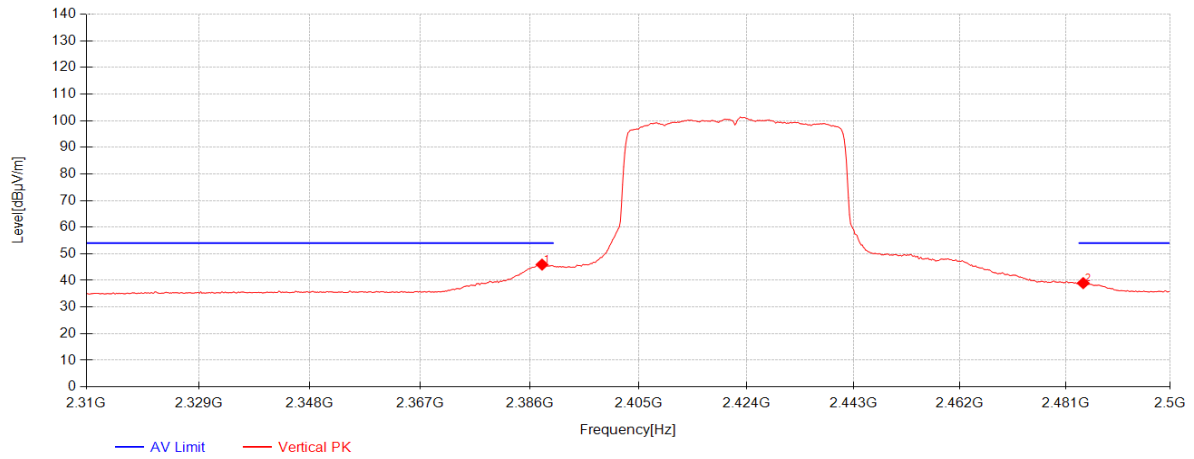
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.66	27.45	-17.56	37.15	54.00	16.85	Horizontal
2	2486.89	27.75	-17.55	36.01	54.00	17.99	Horizontal

11(HE40)_TX_CH_03_Vertical_Peak



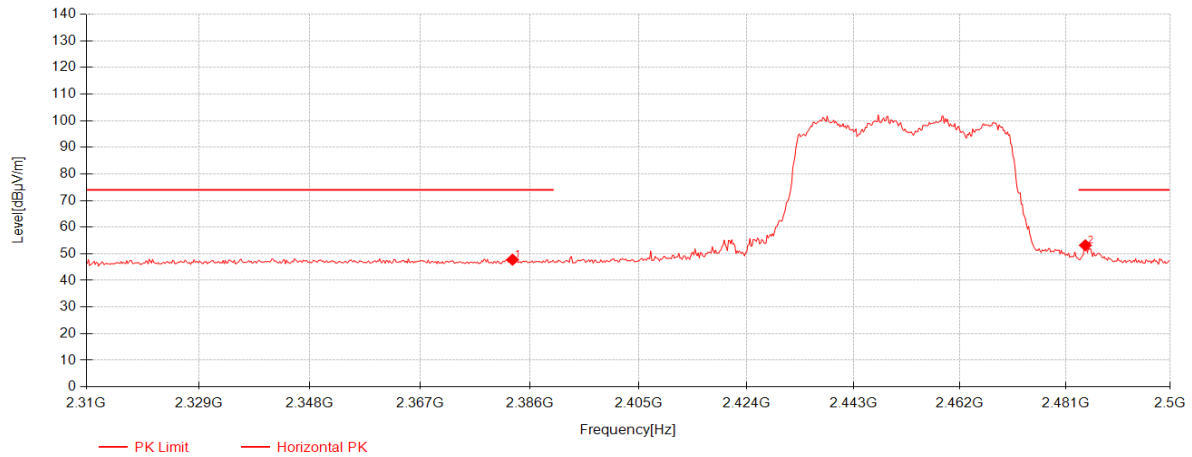
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2384.67	27.46	-17.57	61.18	74.00	12.82	Vertical
2	2484.23	27.74	-17.55	50.84	74.00	23.16	Vertical

11(HE40)_TX_CH_03_Veritical_Average



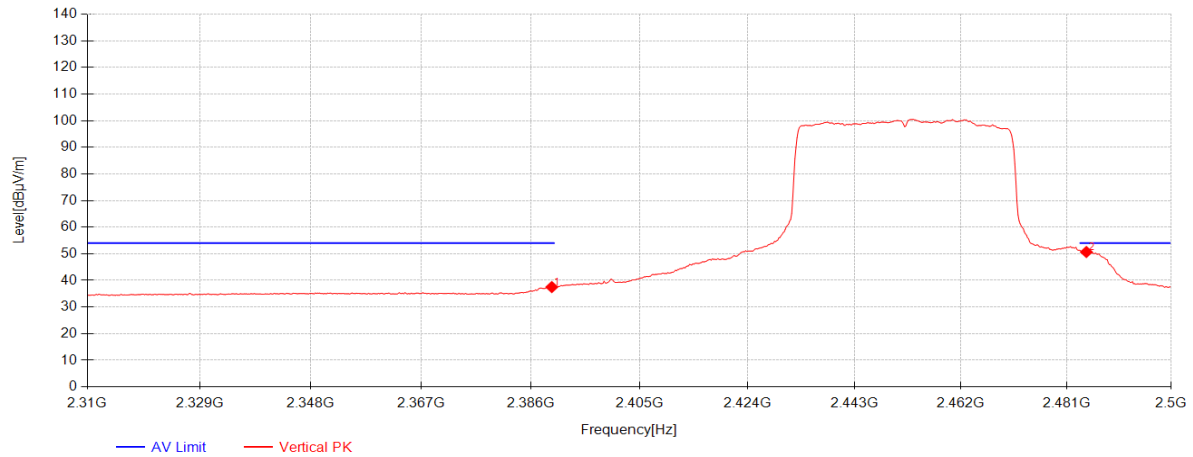
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.09	27.45	-17.56	45.94	54.00	8.06	Vertical
2	2484.23	27.74	-17.55	38.98	54.00	15.02	Vertical

11(HE40)_TX_CH_09_Horizontal_Peak



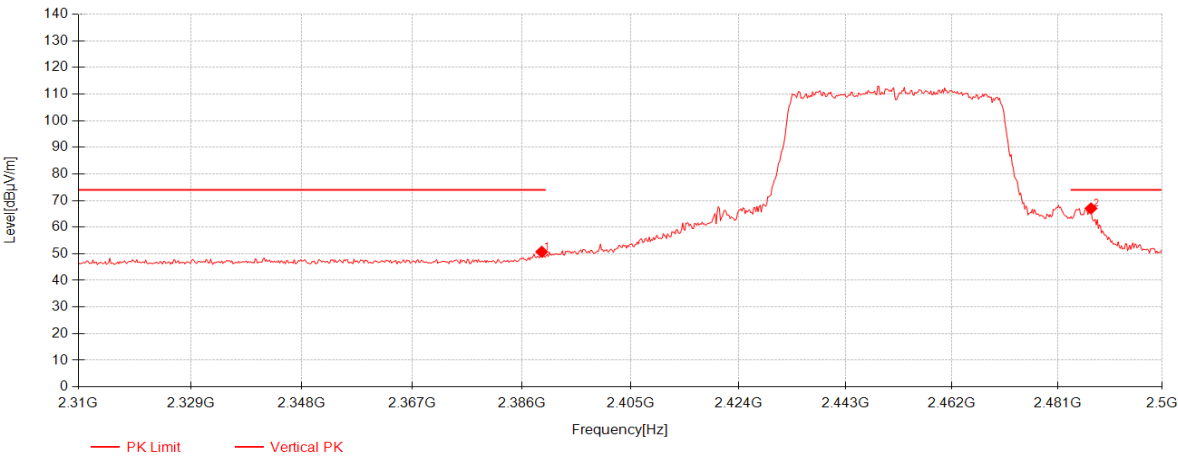
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2382.96	27.47	-17.57	47.79	74.00	26.21	Horizontal
2	2484.61	27.74	-17.55	53.19	74.00	20.81	Horizontal

11(HE40)_TX_CH_09_Vertical_Average



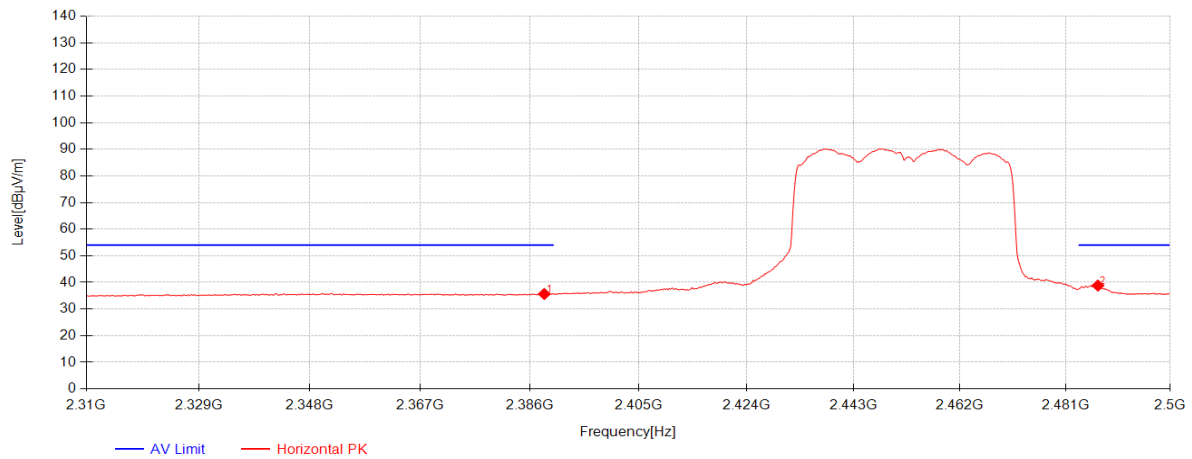
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.61	27.44	-17.56	37.50	54.00	16.00	Vertical
2	2484.61	27.74	-17.55	50.67	54.00	3.33	Vertical

11(HE40)_TX_CH_09_Vertical_Peak



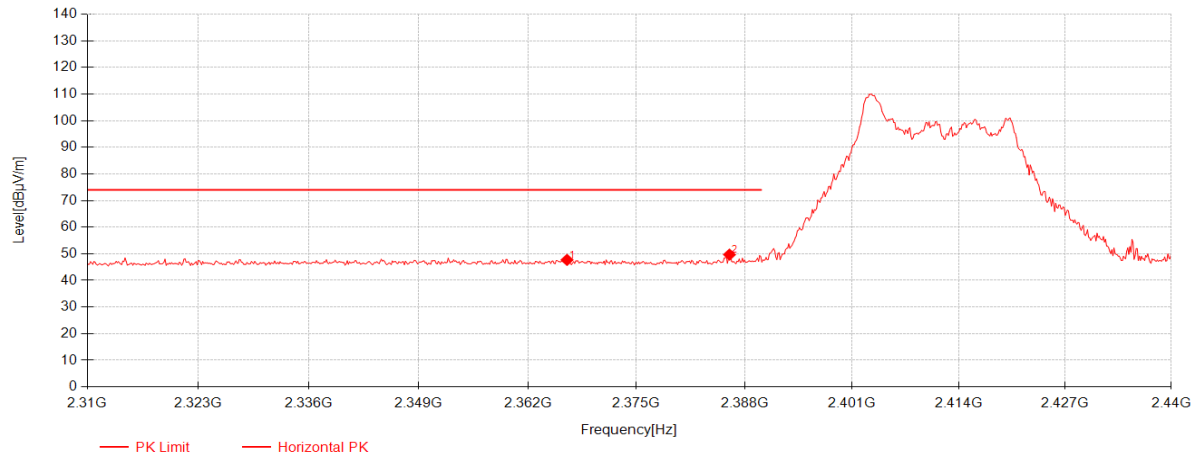
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.42	27.44	-17.56	50.75	74.00	23.25	Vertical
2	2487.08	27.75	-17.55	67.03	74.00	6.97	Vertical

11(HE40)_TX_CH_09_Horizontal_Average



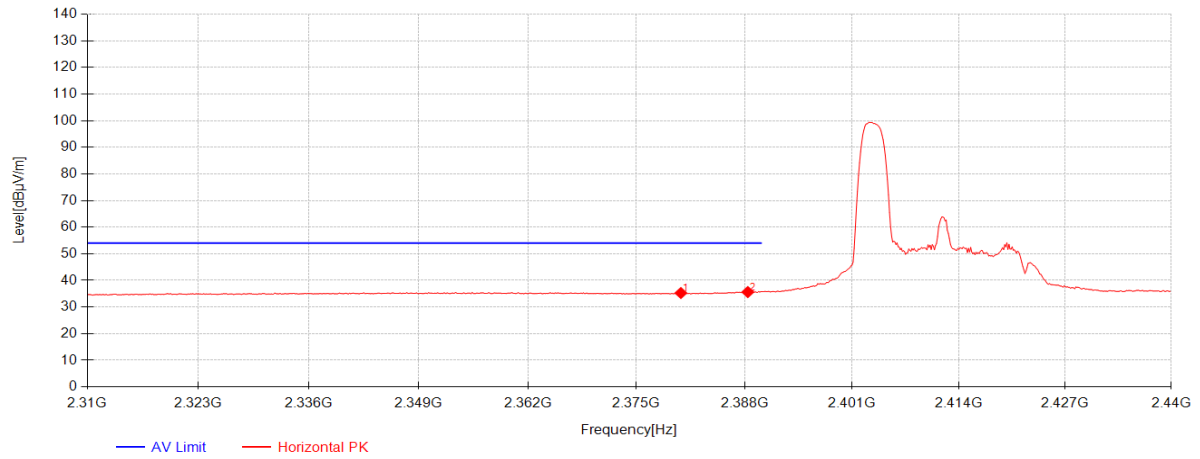
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.47	27.45	-17.56	35.65	54.00	18.35	Horizontal
2	2486.89	27.75	-17.55	38.82	54.00	15.18	Horizontal

11ax(HE20)_TX_RU26_Left_CH_01_Horizontal_Peak



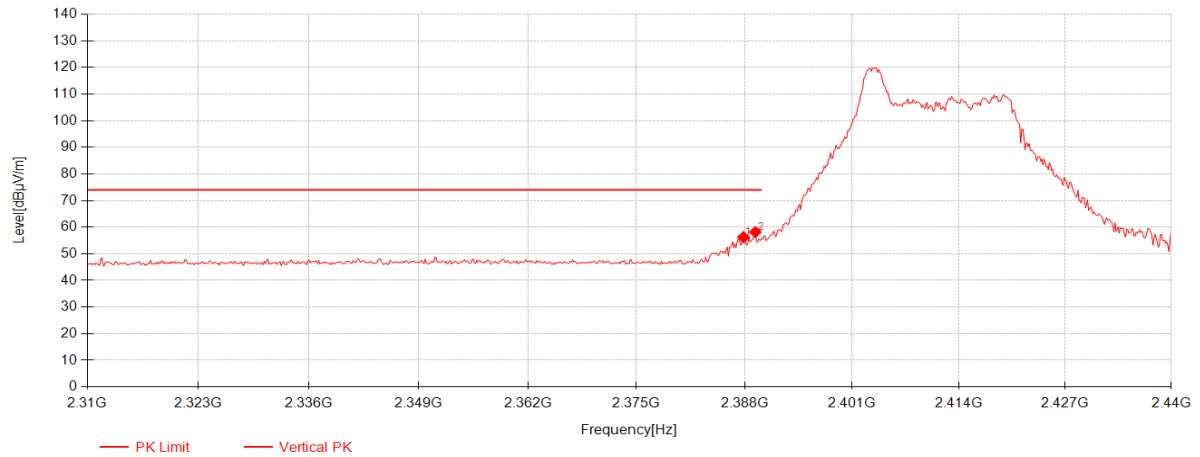
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2366.68	27.53	-17.59	47.71	74.00	26.29	Horizontal
2	2386.18	27.46	-17.57	49.69	74.00	24.31	Horizontal

11ax(HE20)_TX_RU26_Left_CH_01_Horizontal_Average



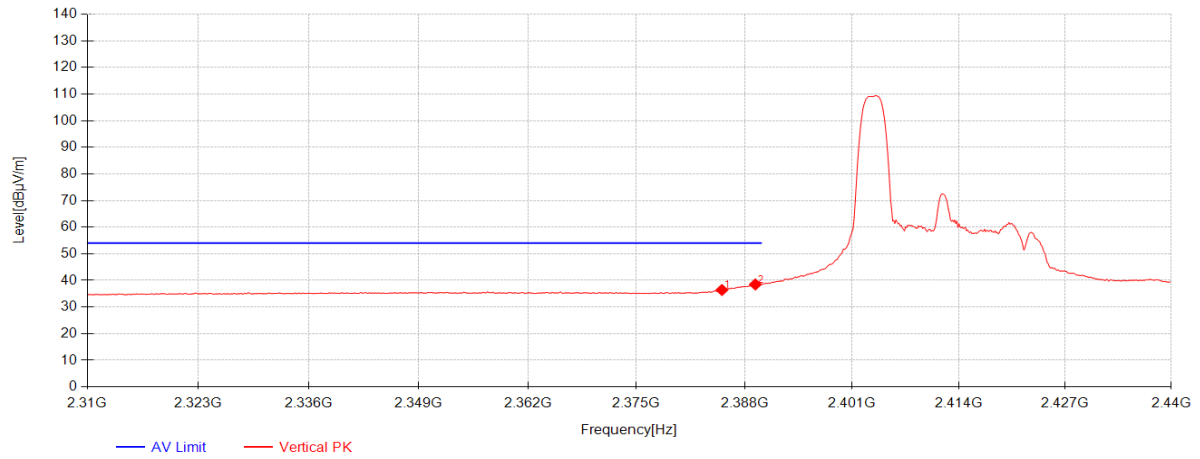
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2380.33	27.48	-17.57	35.27	54.00	18.73	Horizontal
2	2388.39	27.45	-17.56	35.62	54.00	18.38	Horizontal

11ax(HE20)_TX_RU26_Left_CH_01_Vertical_Peak



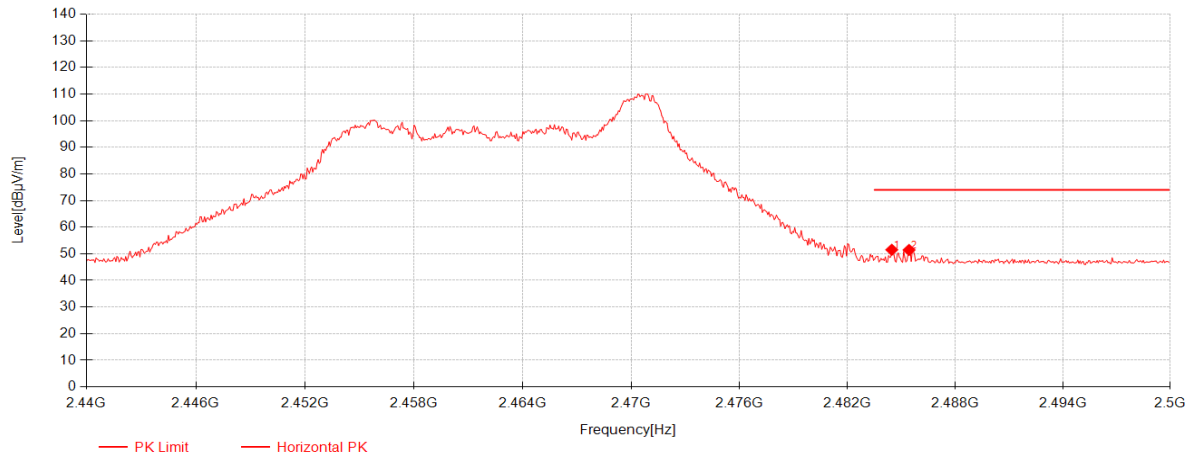
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.87	27.45	-17.56	56.25	74.00	17.75	Vertical
2	2389.3	27.44	-17.56	58.18	74.00	15.82	Vertical

11ax(HE20)_TX_RU26_Left_CH_01_Vertical_Average



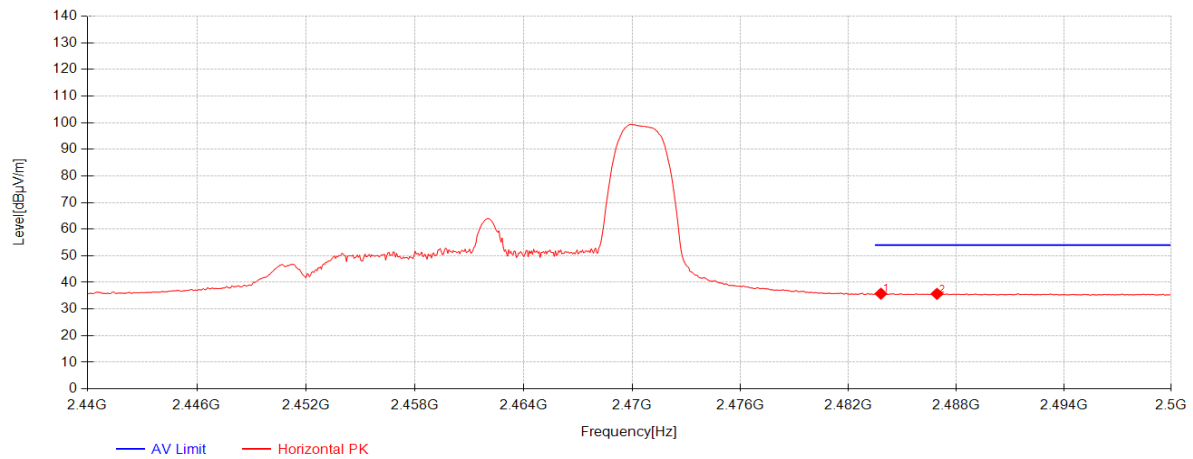
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2385.27	27.46	-17.57	36.40	54.00	17.60	Vertical
2	2389.3	27.44	-17.56	38.48	54.00	15.52	Vertical

11ax(HE20)_TX_RU26_Right_CH_11_Horizontal_Peak



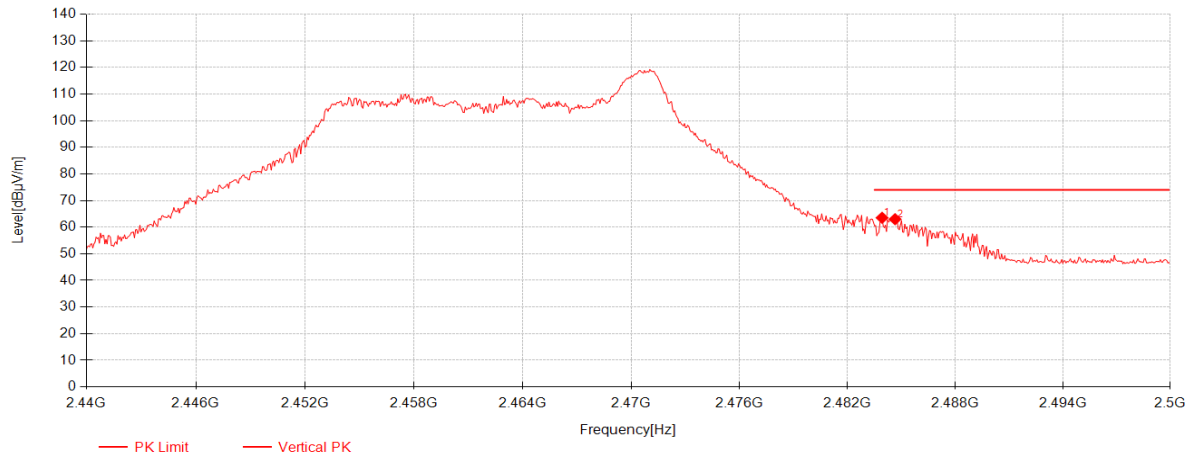
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.46	27.74	-17.55	51.50	74.00	22.50	Horizontal
2	2485.42	27.74	-17.55	51.45	74.00	22.55	Horizontal

11ax(HE20)_TX_RU26_Right_CH_11_Horizontal_Average



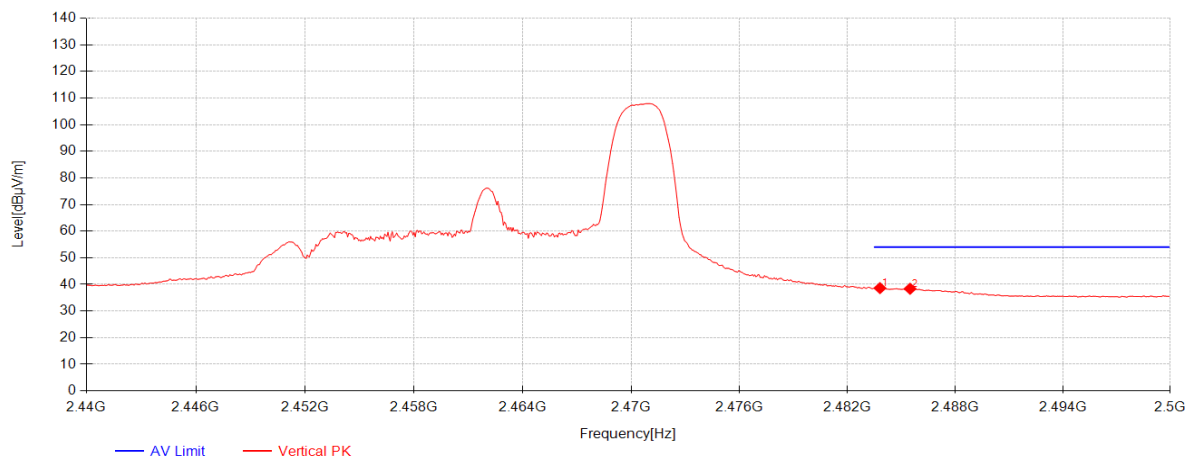
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	27.74	-17.55	35.76	54.00	18.24	Horizontal
2	2486.92	27.75	-17.55	35.70	54.00	18.30	Horizontal

11ax(HE20)_TX_RU26_Right_CH_11_Vertical_Peak



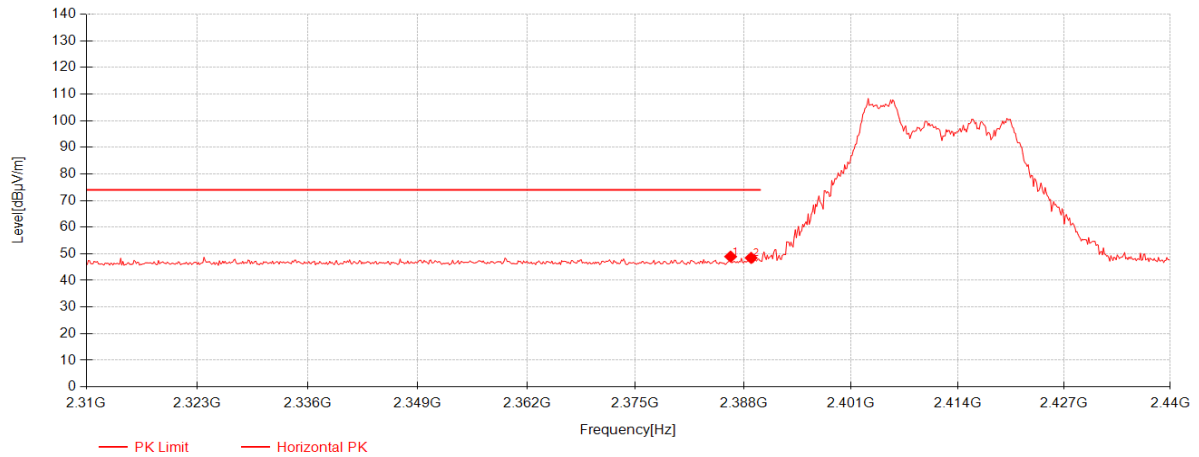
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.92	27.74	-17.55	63.53	74.00	10.47	Vertical
2	2484.64	27.74	-17.55	63.00	74.00	11.00	Vertical

11ax(HE20)_TX_RU26_Right_CH_11_Veritical_Average



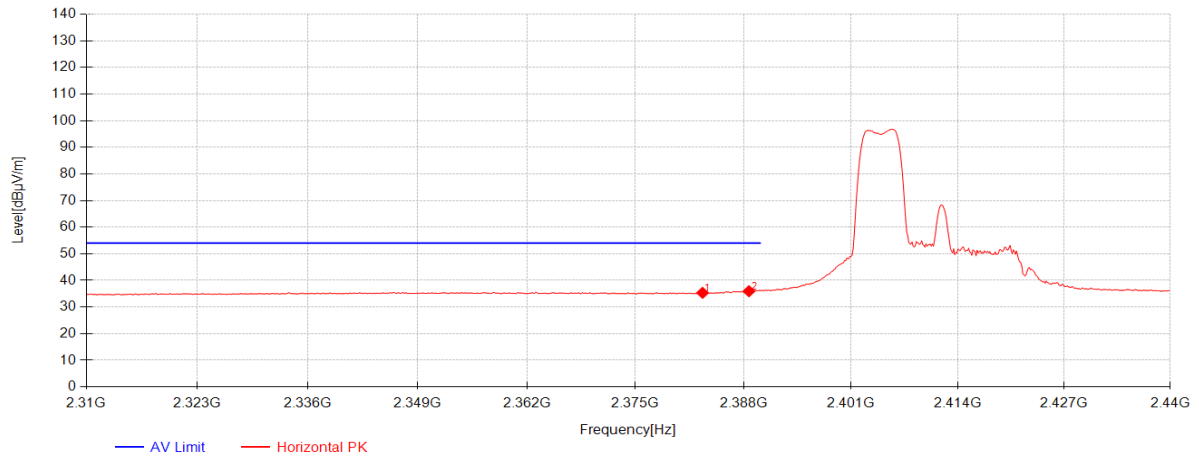
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	27.74	-17.55	38.61	54.00	15.39	Vertical
2	2485.48	27.74	-17.55	38.37	54.00	15.63	Vertical

11ax(HE20)_TX_RU52_Left_CH_01_Horizontal_Peak



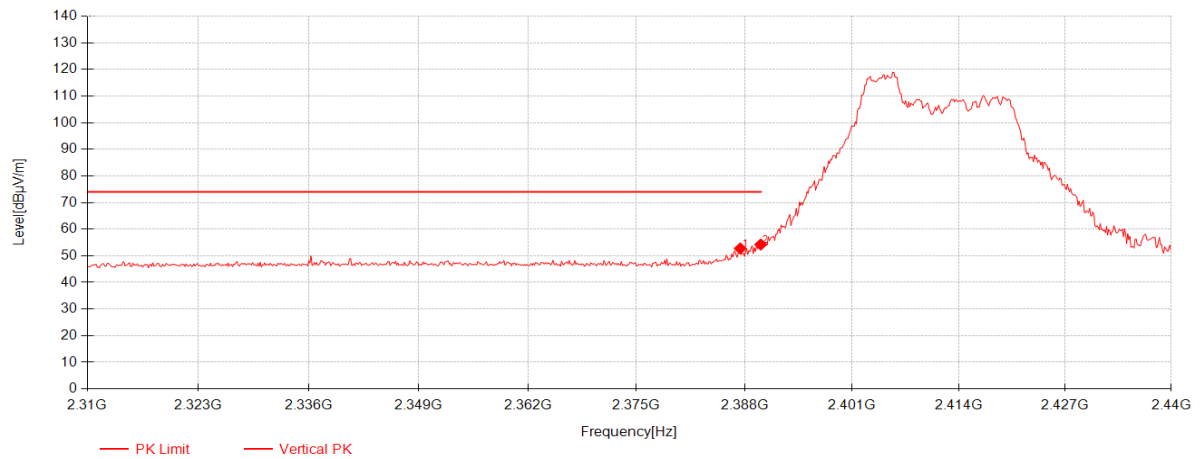
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.44	27.45	-17.56	48.95	74.00	25.05	Horizontal
2	2388.91	27.44	-17.56	48.46	74.00	25.54	Horizontal

11ax(HE20)_TX_RU52_Left_CH_01_Horizontal_Average



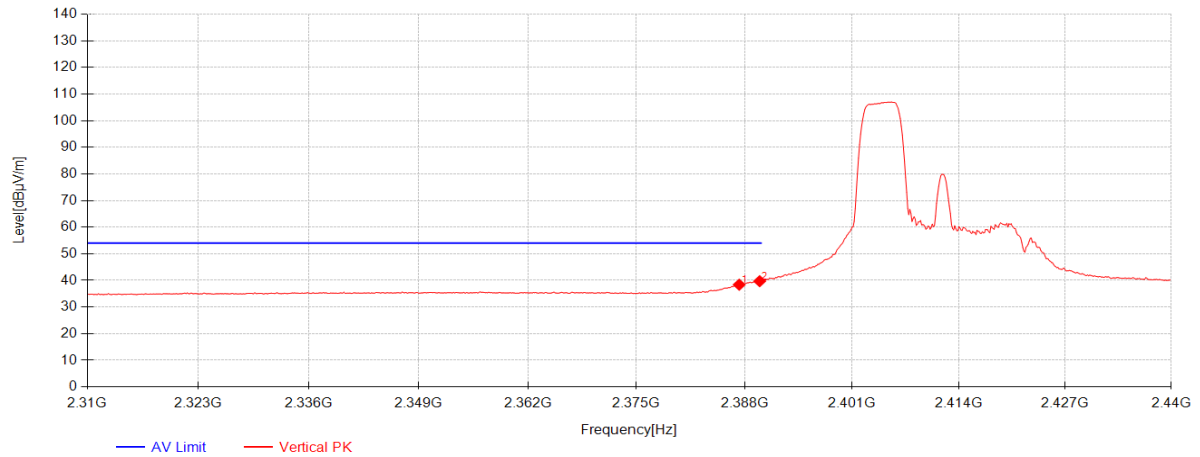
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2383.06	27.47	-17.57	35.34	54.00	18.66	Horizontal
2	2388.65	27.45	-17.56	35.94	54.00	18.06	Horizontal

11ax(HE20)_TX_RU52_Left_CH_01_Vertical_Peak



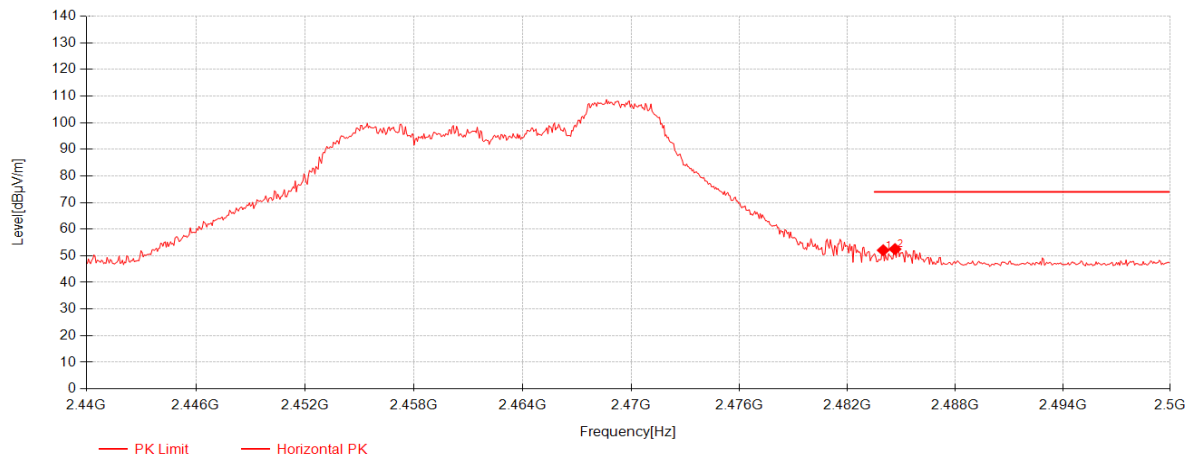
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.48	27.45	-17.56	52.75	74.00	21.25	Vertical
2	2389.95	27.44	-17.56	54.23	74.00	19.77	Vertical

11ax(HE20)_TX_RU52_Left_CH_01_Vertical_Average



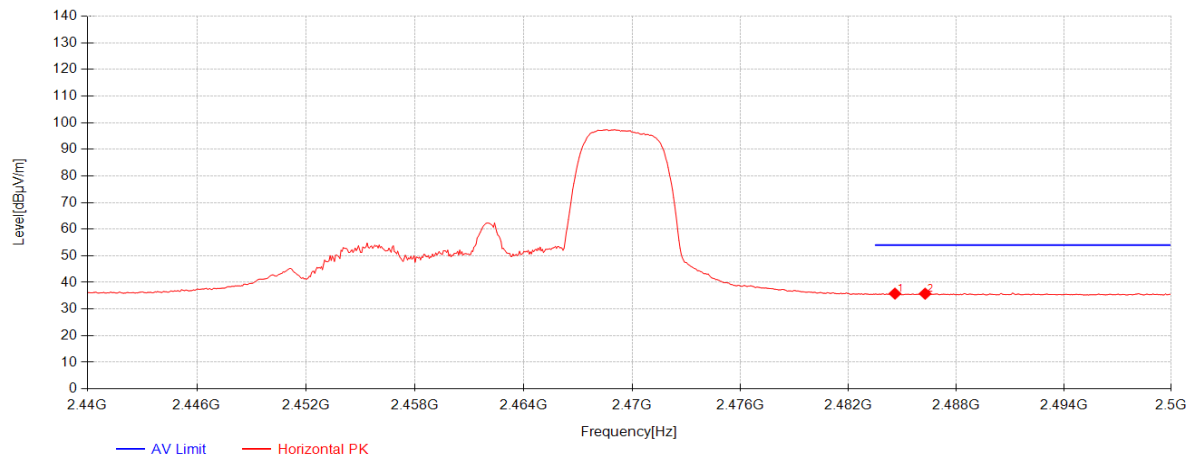
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.35	27.45	-17.56	38.39	54.00	15.61	Vertical
2	2389.82	27.44	-17.56	39.72	54.00	14.28	Vertical

11ax(HE20)_TX_RU52_Right_CH_11_Horizontal_Peak



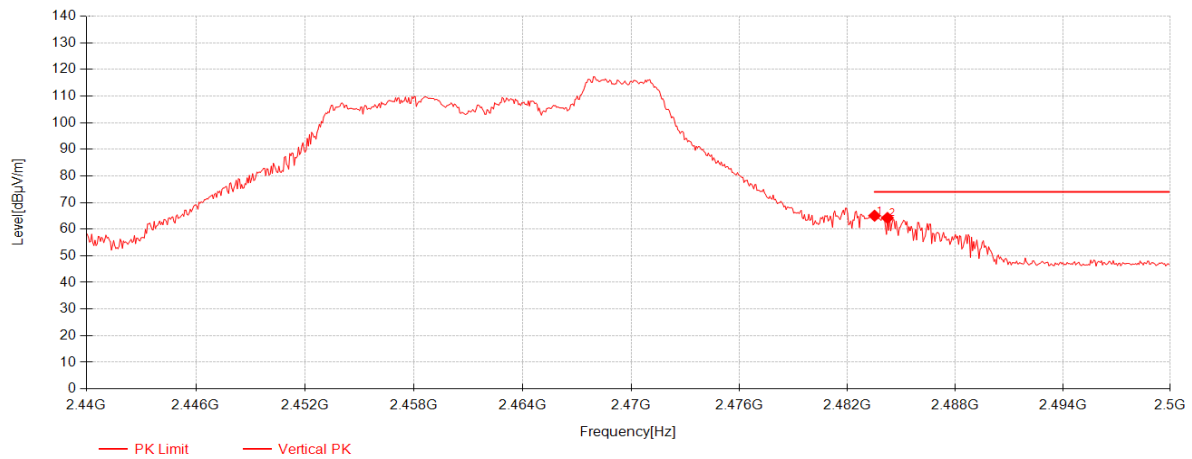
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.98	27.74	-17.55	52.09	74.00	21.91	Horizontal
2	2484.64	27.74	-17.55	52.51	74.00	21.49	Horizontal

11ax(HE20)_TX_RU52_Right_CH_11_Horizontal_Average



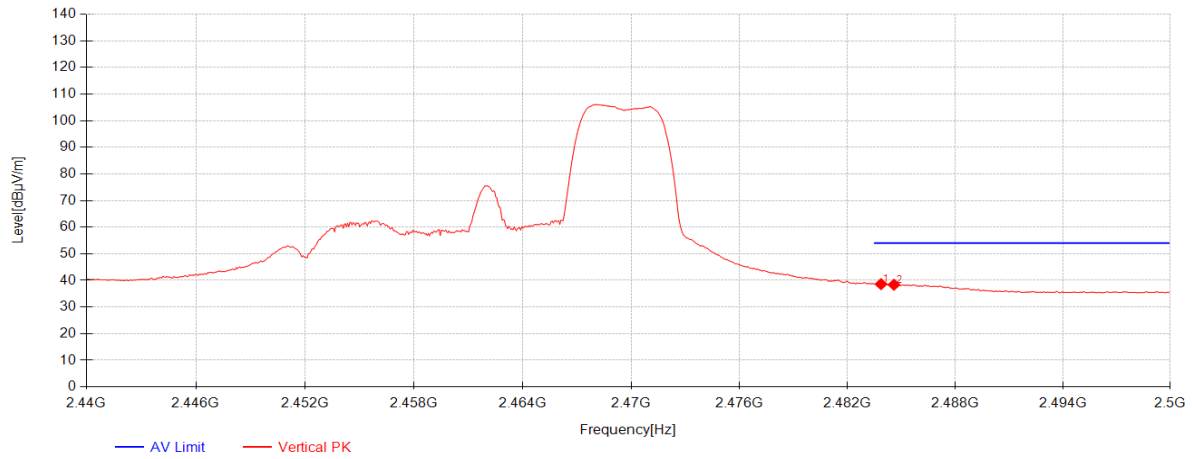
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.58	27.74	-17.55	35.79	54.00	18.21	Horizontal
2	2486.26	27.75	-17.55	35.76	54.00	18.24	Horizontal

11ax(HE20)_TX_RU52_Right_CH_11_Vertical_Peak



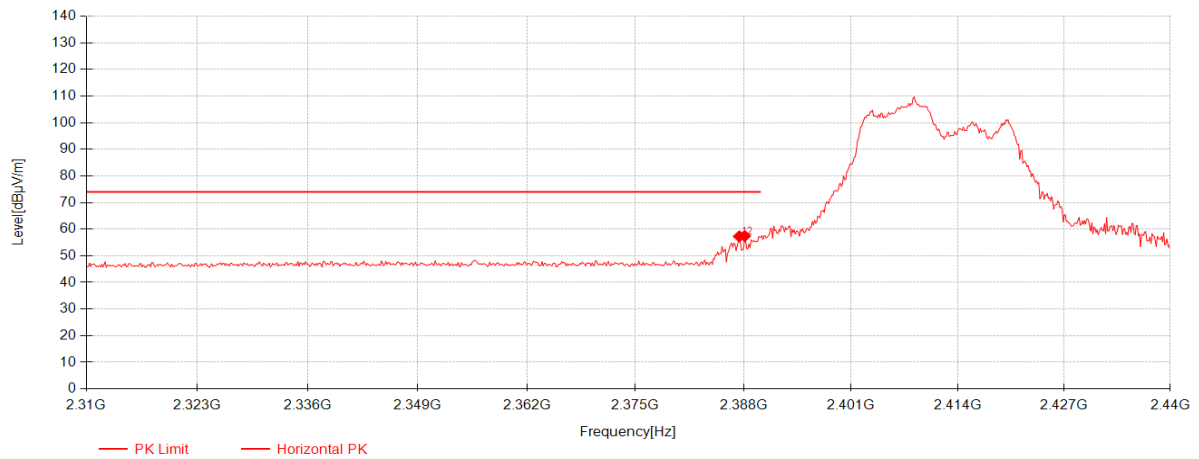
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	27.73	-17.55	65.06	74.00	8.94	Vertical
2	2484.22	27.74	-17.55	64.22	74.00	9.78	Vertical

11ax(HE20)_TX_RU52_Right_CH_11_Vertical_Average



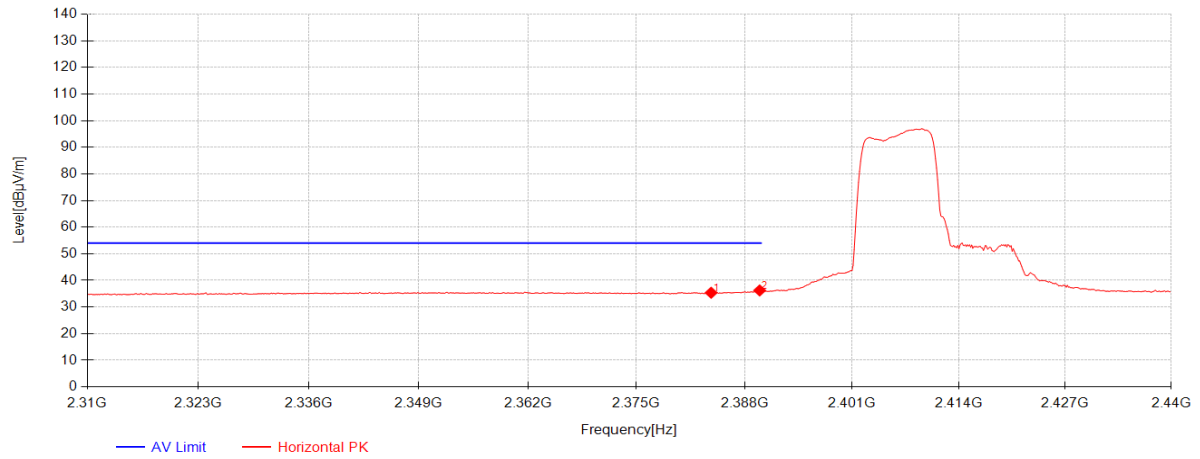
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.86	27.74	-17.55	38.62	54.00	15.38	Vertical
2	2484.58	27.74	-17.55	38.38	54.00	15.62	Vertical

11ax(HE20)_TX_RU106_Left_CH_01_Horizontal_Peak



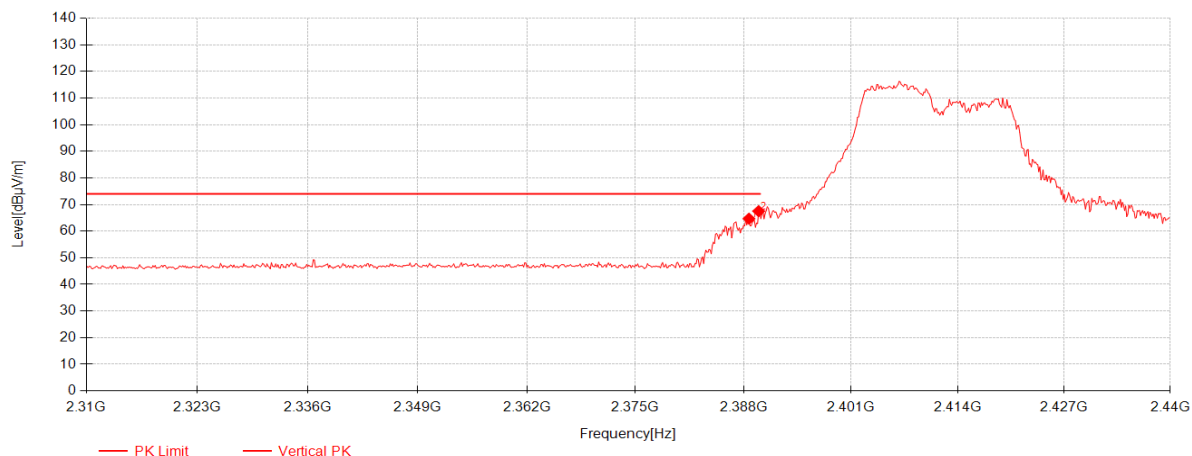
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.48	27.45	-17.56	57.30	74.00	16.70	Horizontal
2	2388.13	27.45	-17.56	57.41	74.00	16.59	Horizontal

11ax(HE20)_TX_RU106_Left_CH_01_Horizontal_Average



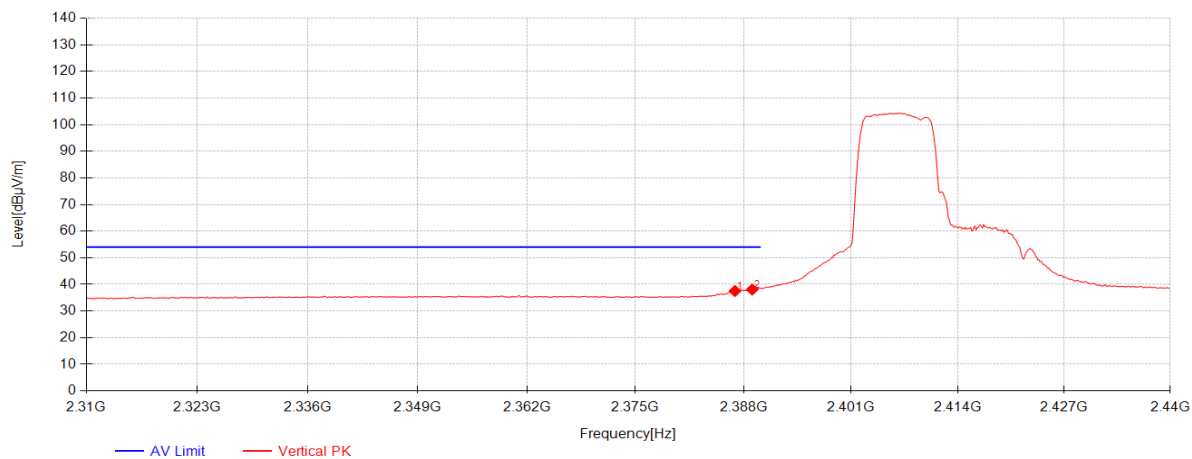
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2383.97	27.46	-17.57	35.37	54.00	18.63	Horizontal
2	2389.82	27.44	-17.56	36.23	54.00	17.77	Horizontal

11ax(HE20)_TX_RU106_Left_CH_01_Vertical_Peak



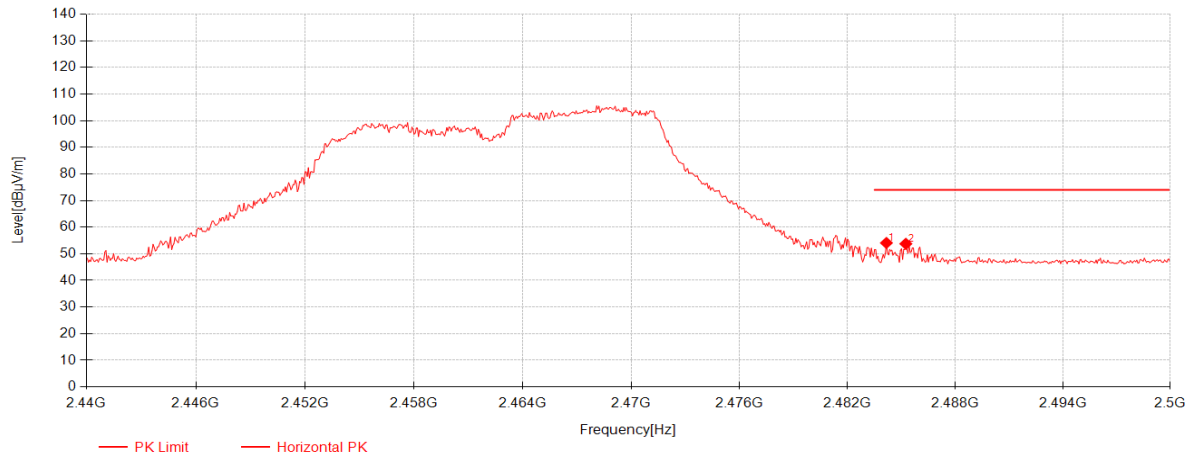
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.65	27.45	-17.56	64.70	74.00	9.30	Vertical
2	2389.82	27.44	-17.56	67.51	74.00	6.49	Vertical

11ax(HE20)_TX_RU106_Left_CH_01_Vertical_Average



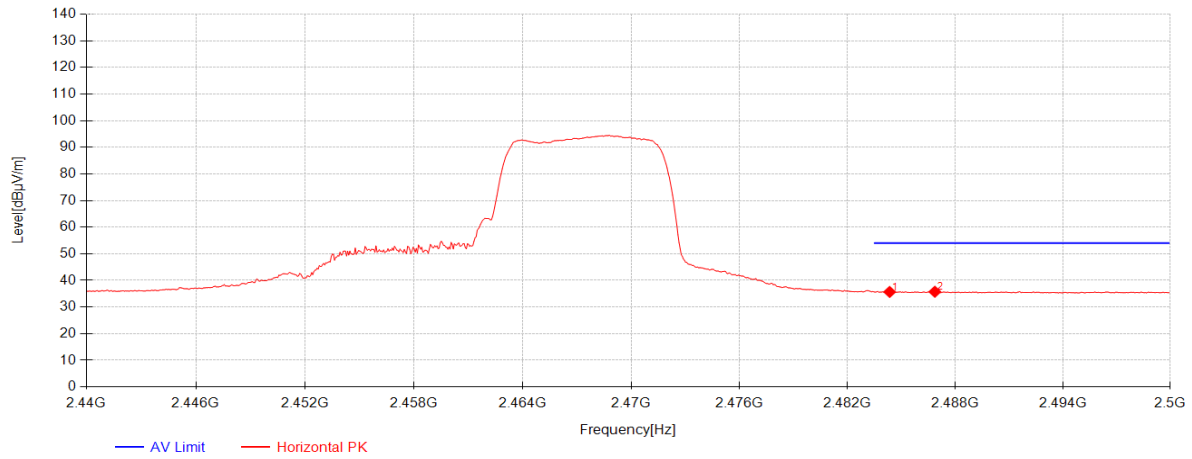
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.96	27.45	-17.56	37.51	54.00	16.49	Vertical
2	2389.04	27.44	-17.56	38.07	54.00	15.93	Vertical

11ax(HE20)_TX_RU106_Right_CH_11_Horizontal_Peak



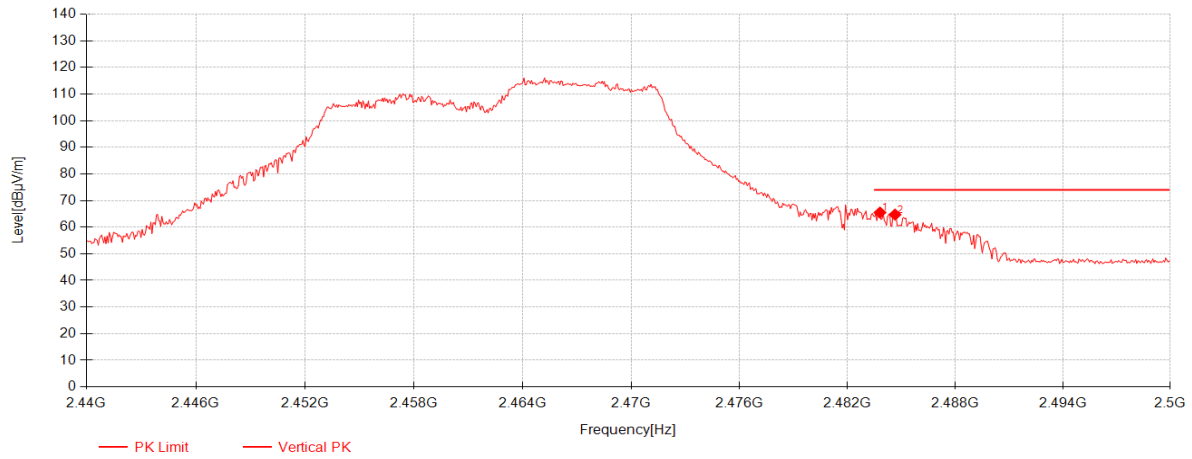
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.16	27.74	-17.55	54.08	74.00	19.92	Horizontal
2	2485.24	27.74	-17.55	53.76	74.00	20.24	Horizontal

11ax(HE20)_TX_RU106_Right_CH_11_Horizontal_Average



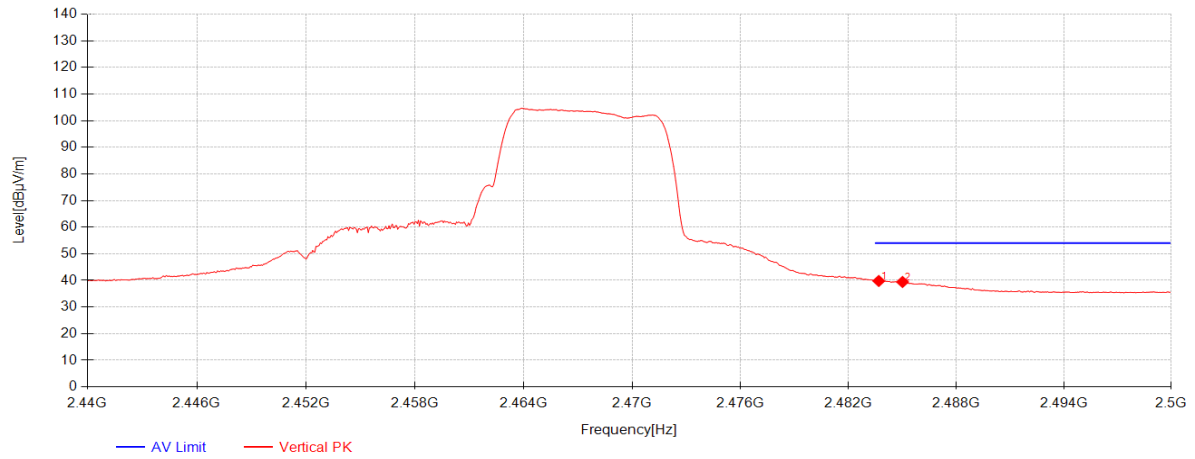
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.34	27.74	-17.55	35.68	54.00	18.32	Horizontal
2	2486.86	27.75	-17.55	35.74	54.00	18.26	Horizontal

11ax(HE20)_TX_RU106_Right_CH_11_Vertical_Peak



Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	27.74	-17.55	65.49	74.00	8.51	Vertical
2	2484.64	27.74	-17.55	64.72	74.00	9.28	Vertical

11ax(HE20)_TX_RU106_Right_CH_11_Vertical_Average



Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.68	27.73	-17.55	39.79	54.00	14.21	Vertical
2	2485	27.74	-17.55	39.42	54.00	14.58	Vertical

7.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.4,6.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

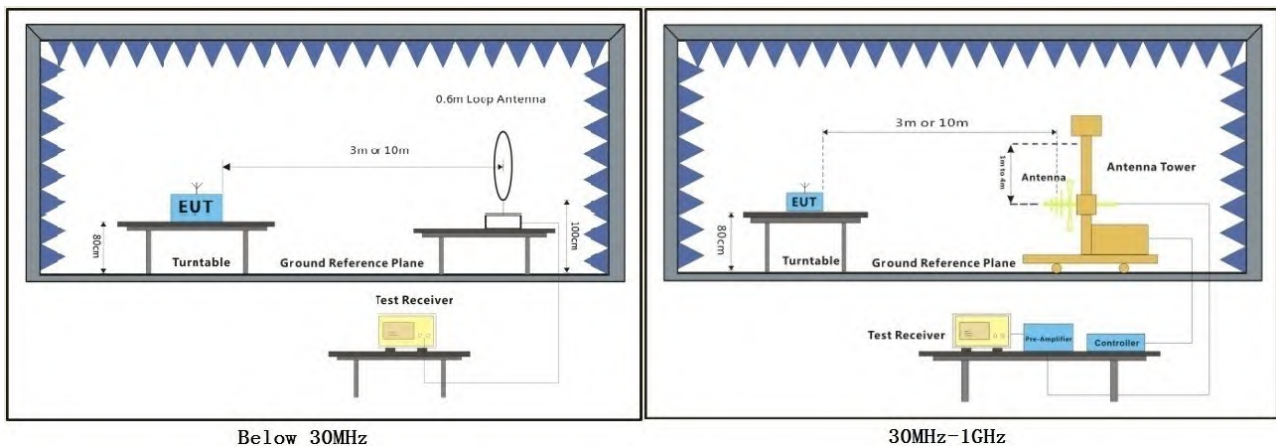
Humidity: 44 % RH

Atmospheric Pressure: 1024 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode(WLAN 2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



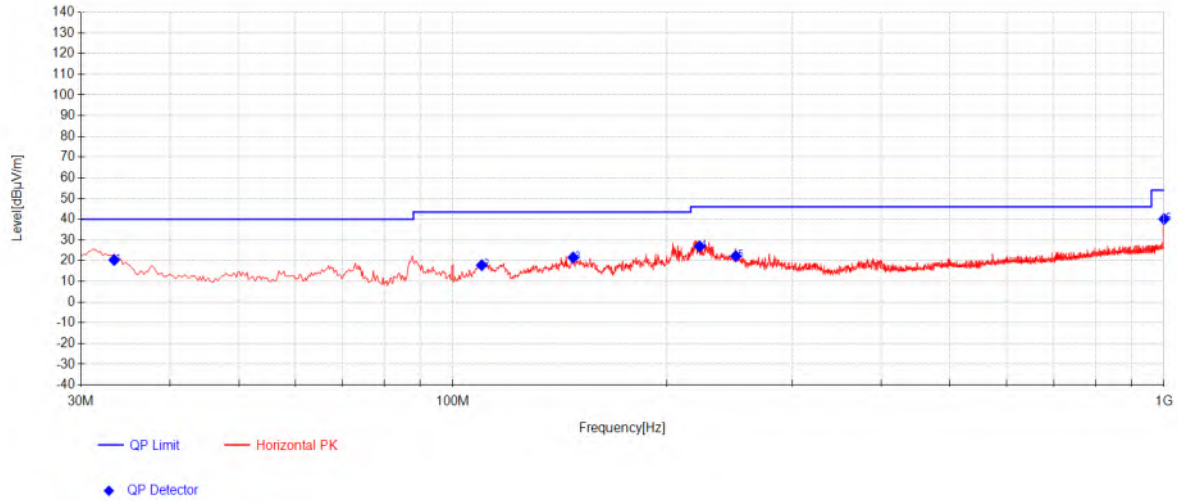
7.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

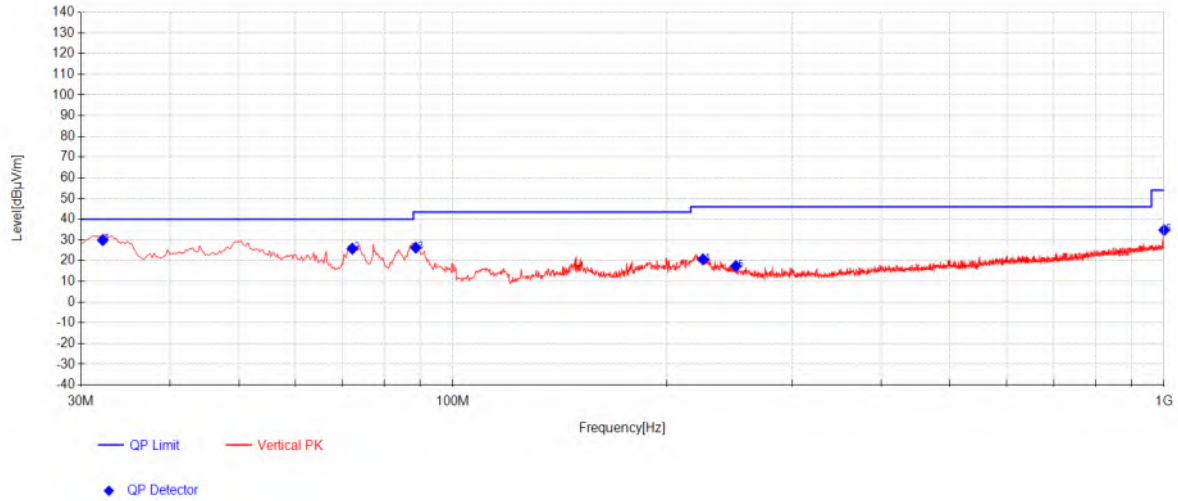
11ax(HE40)_TX_CH_09_Horizontal



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.395	41.59	12.70	-33.97	20.32	40.00	19.68	120	83	Horizontal
2	109.7825	40.48	10.32	-32.99	17.81	43.50	25.69	163	133	Horizontal
3	147.6125	41.49	12.74	-32.71	21.52	43.50	21.98	162	133	Horizontal
4	222.3025	48.42	10.57	-32.13	26.87	46.00	19.13	180	112	Horizontal
5	249.9475	42.36	11.80	-31.97	22.19	46.00	23.81	148	204	Horizontal
6	1000	43.37	24.50	-27.80	40.07	54.00	13.93	146	59	Horizontal

11ax(HE40)_TX_CH_09_Veritical



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.1825	51.26	12.63	-33.99	29.90	40.00	10.10	142	360	Vertical
2	72.195	49.19	10.00	-33.40	25.79	40.00	14.21	181	164	Vertical
3	88.685	50.57	8.95	-33.27	26.25	43.50	17.25	143	216	Vertical
4	224.7275	41.95	10.75	-32.12	20.59	46.00	25.41	177	195	Vertical
5	249.9475	37.59	11.80	-31.97	17.42	46.00	28.58	148	52	Vertical
6	1000	38.04	24.50	-27.80	34.74	54.00	19.26	183	102	Vertical

7.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.6

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

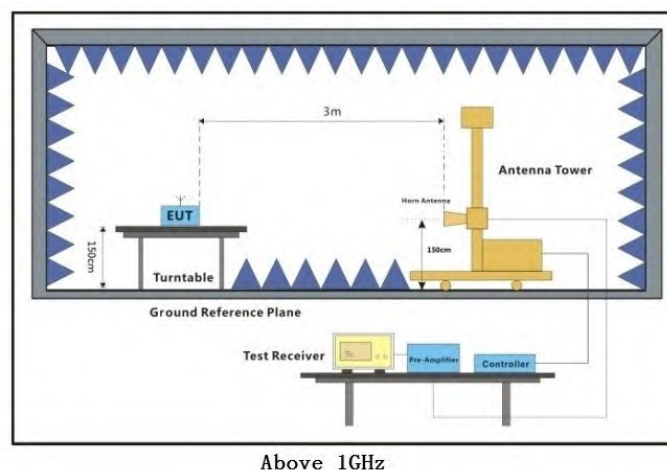
Humidity: 43 % RH

Atmospheric Pressure: 1024 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode(WLAN 2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



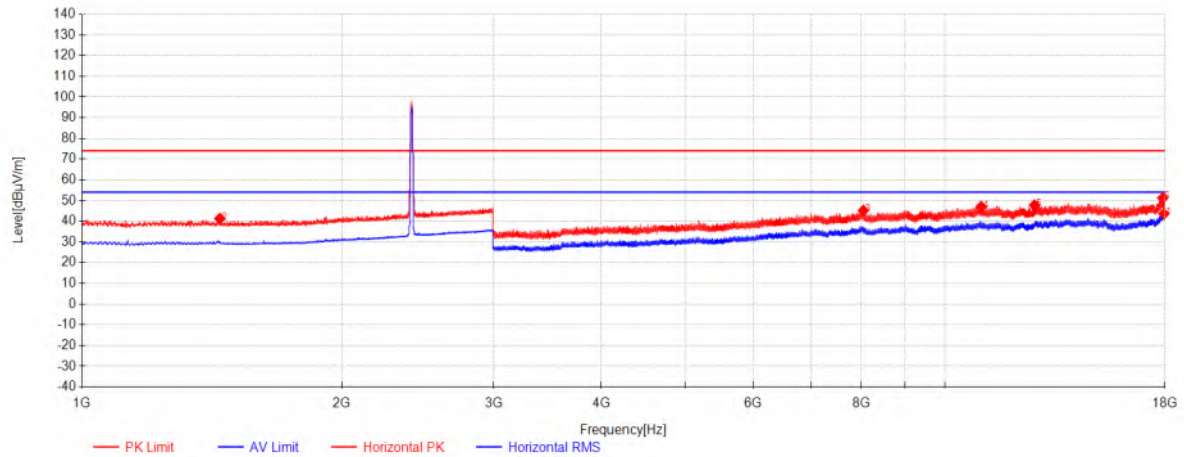
7.4.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

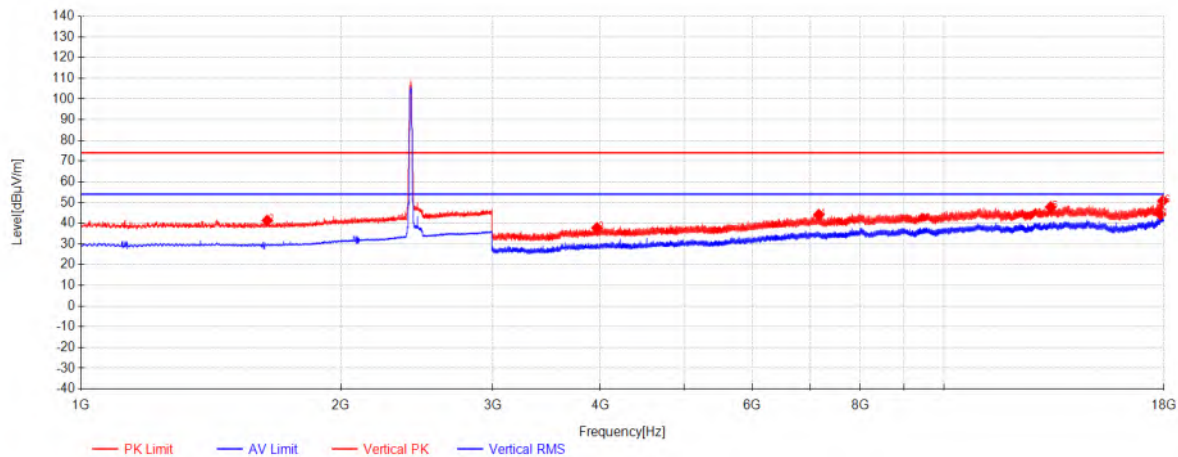
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
- 5:For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle<98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

11b_TX_CH_01_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17945.25	33.20	41.54	-31.07	43.67	54.00	10.33	Horizontal
2	1444.5	42.64	25.21	-26.54	41.31	74.00	32.69	Horizontal
3	8044.875	49.00	37.33	-41.16	45.17	74.00	28.83	Horizontal
4	11020.875	43.80	39.29	-36.03	47.06	74.00	26.94	Horizontal
5	12702.375	43.56	39.54	-35.33	47.78	74.00	26.22	Horizontal
6	17890.875	40.89	41.38	-31.05	51.22	74.00	22.78	Horizontal

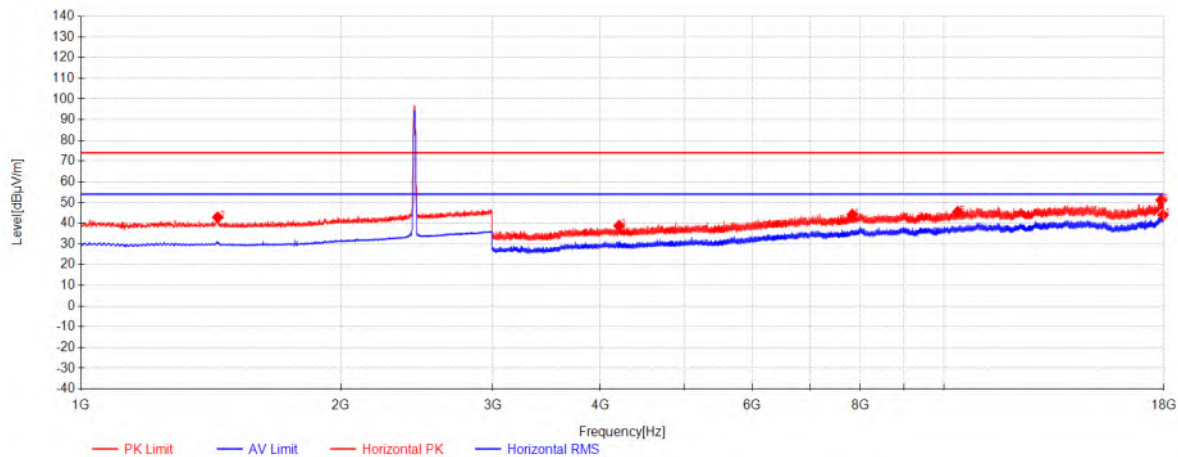
11b_TX_CH_01_Vertical



Data List

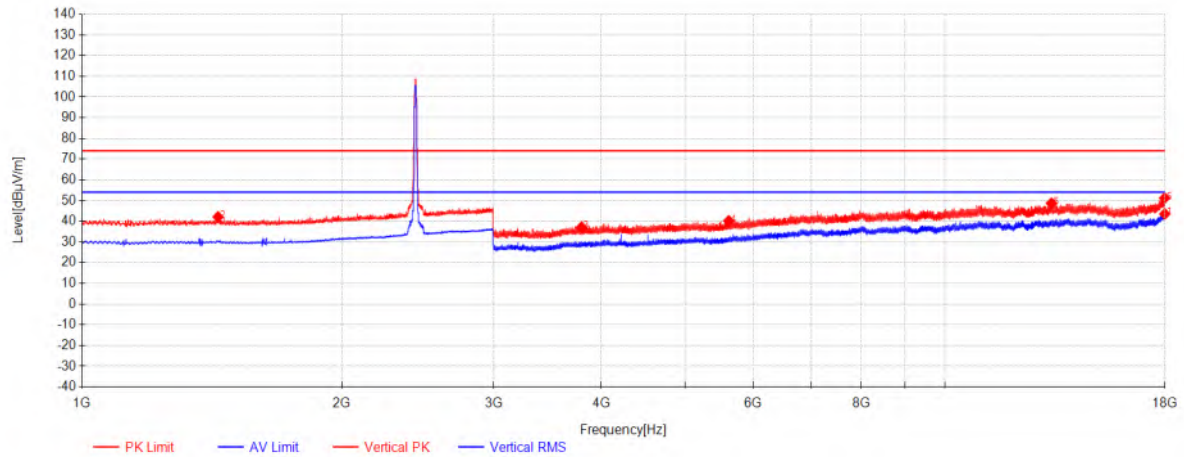
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17832.375	33.72	41.21	-30.69	44.24	54.00	9.76	Vertical
2	1643.5	42.36	24.92	-25.96	41.32	74.00	32.68	Vertical
3	3961.875	51.83	30.96	-45.08	37.72	74.00	36.28	Vertical
4	7162.125	50.38	36.30	-42.59	44.09	74.00	29.91	Vertical
5	13299.75	42.75	40.05	-35.00	47.80	74.00	26.20	Vertical
6	17940	40.33	41.53	-31.07	50.78	74.00	23.22	Vertical

11b_TX_CH_06_Horizontal



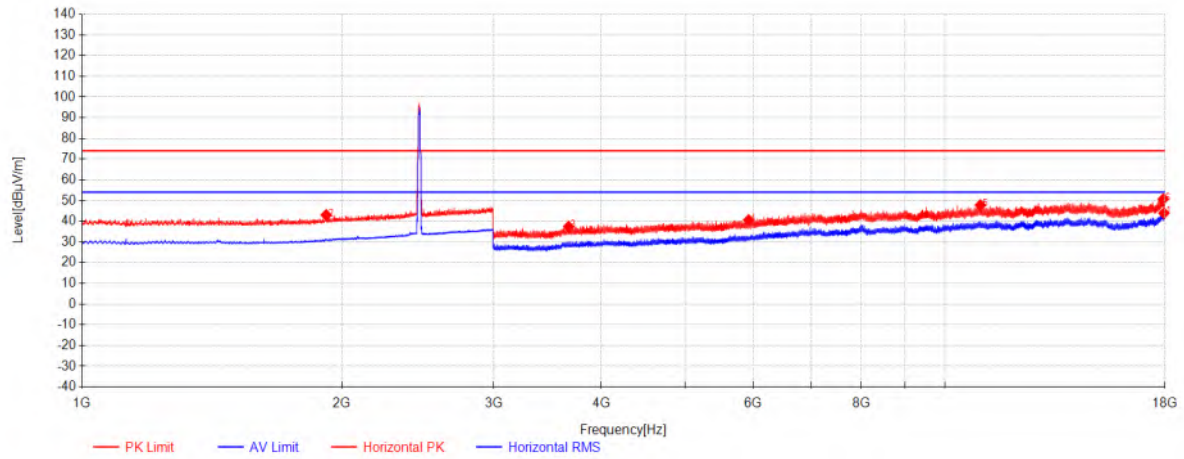
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17953.875	33.49	41.57	-31.06	43.99	54.00	10.01	Horizontal
2	1440	44.18	25.22	-26.55	42.85	74.00	31.15	Horizontal
3	4203.375	52.39	31.43	-45.04	38.77	74.00	35.23	Horizontal
4	7831.875	48.39	36.96	-41.17	44.19	74.00	29.81	Horizontal
5	10378.5	43.95	38.55	-36.99	45.51	74.00	28.49	Horizontal
6	17856	40.71	41.28	-30.84	51.16	74.00	22.84	Horizontal

11b_TX_CH_06_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17986.125	32.90	41.66	-31.03	43.53	54.00	10.47	Vertical
2	1437.5	43.42	25.23	-26.56	42.08	74.00	31.92	Vertical
3	3792.75	51.77	30.35	-44.99	37.13	74.00	36.87	Vertical
4	5617.5	51.41	33.35	-44.58	40.18	74.00	33.82	Vertical
5	13290.75	43.62	40.05	-35.00	48.66	74.00	25.34	Vertical
6	17979.375	40.61	41.64	-31.04	51.21	74.00	22.79	Vertical

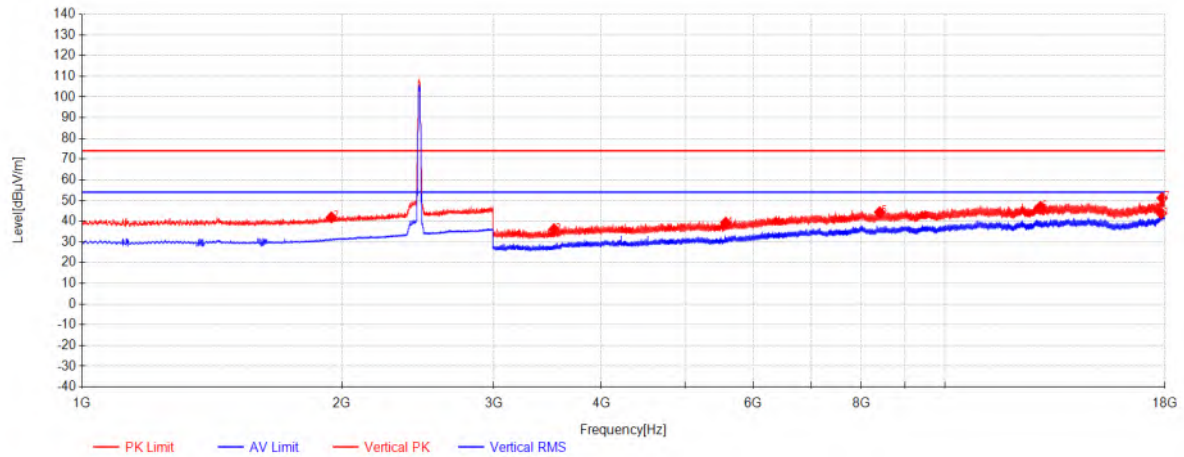
11b_TX_CH_11_Horizontal



Data List

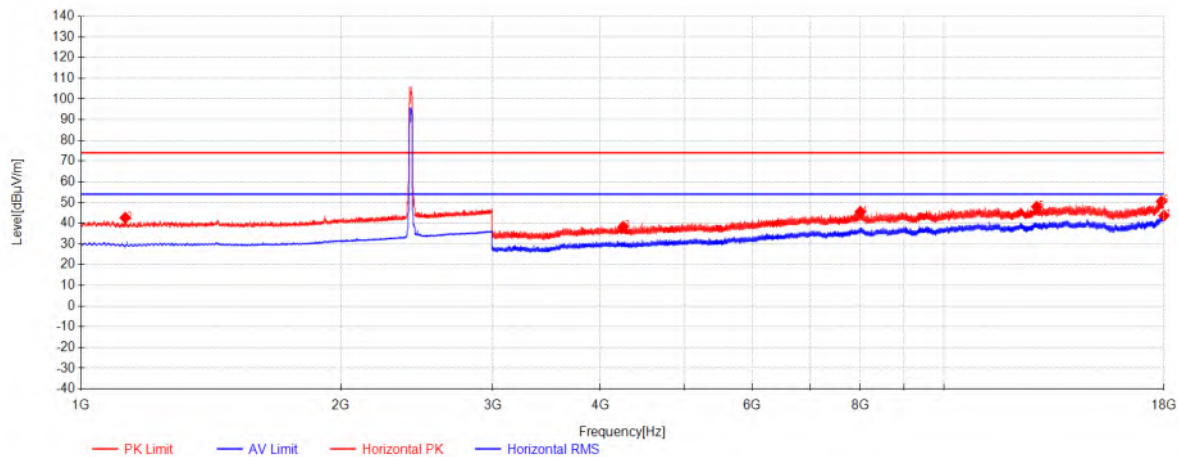
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17944.125	33.43	41.54	-31.07	43.90	54.00	10.10	Horizontal
2	1918.5	42.87	25.71	-25.57	43.01	74.00	30.99	Horizontal
3	3663.75	52.71	29.89	-45.16	37.44	74.00	36.56	Horizontal
4	5923.125	50.61	34.27	-44.28	40.60	74.00	33.40	Horizontal
5	10996.125	44.52	39.30	-36.04	47.78	74.00	26.22	Horizontal
6	17909.625	40.34	41.44	-31.10	50.68	74.00	23.32	Horizontal

11b_TX_CH_11_Vertical



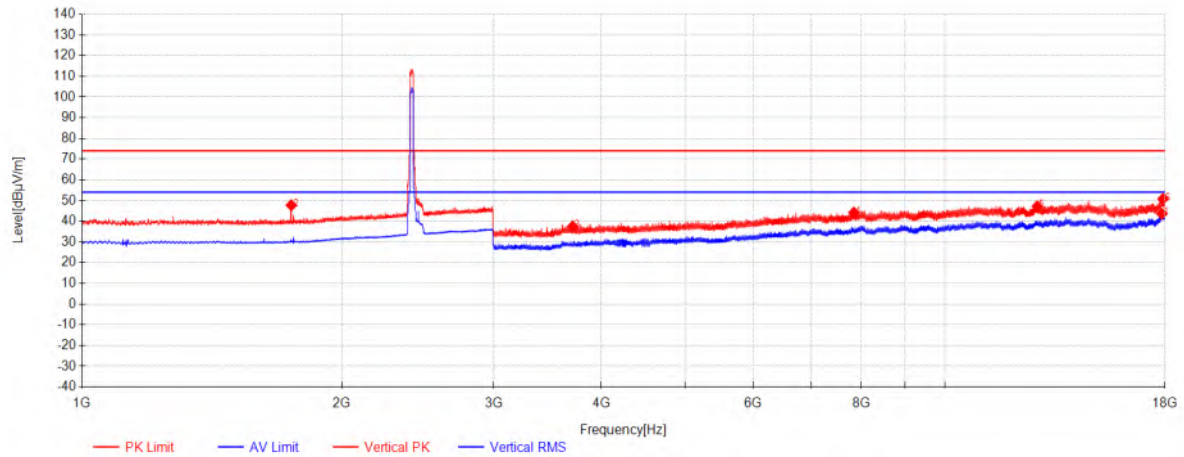
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17817	33.26	41.17	-30.60	43.83	54.00	10.17	Vertical
2	1945	41.56	25.87	-25.56	41.87	74.00	32.13	Vertical
3	3524.625	51.99	29.39	-45.26	36.12	74.00	37.88	Vertical
4	5572.5	50.76	33.22	-44.64	39.34	74.00	34.66	Vertical
5	8405.25	47.30	37.58	-40.52	44.37	74.00	29.63	Vertical
6	12904.125	42.53	39.78	-35.34	46.98	74.00	27.02	Vertical
7	17860.5	40.79	41.30	-30.87	51.22	74.00	22.78	Vertical

11ax(HE20)_TX_CH_01_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17995.5	33.01	41.69	-31.02	43.67	54.00	10.33	Horizontal
2	1125	45.13	25.51	-28.00	42.64	74.00	31.36	Horizontal
3	4249.125	52.01	31.50	-45.20	38.31	74.00	35.69	Horizontal
4	8001.375	49.43	37.30	-41.22	45.51	74.00	28.49	Horizontal
5	12809.625	43.08	39.67	-34.81	47.94	74.00	26.06	Horizontal
6	17874.375	40.12	41.34	-30.95	50.50	74.00	23.50	Horizontal

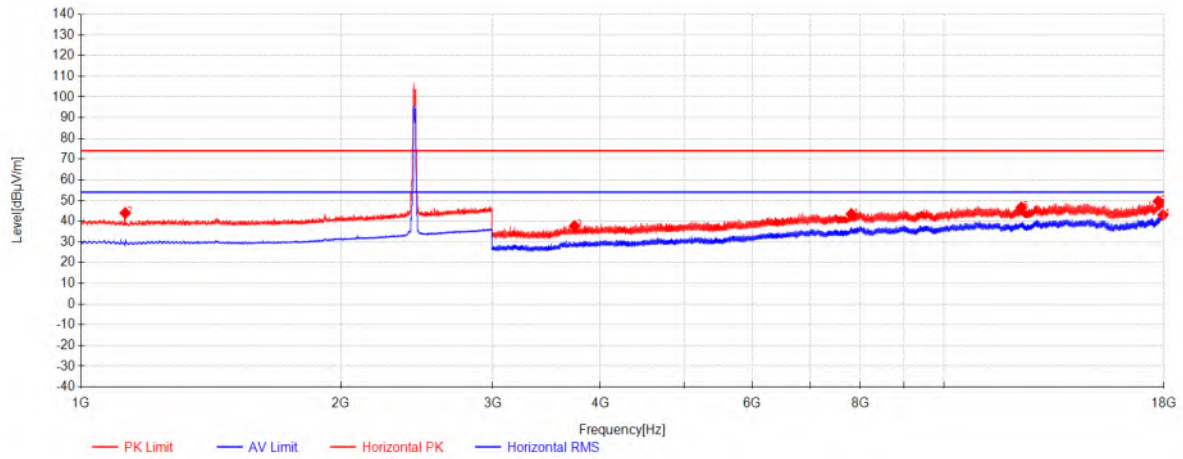
11ax(HE20)_TX_CH_01_Vertical



Data List

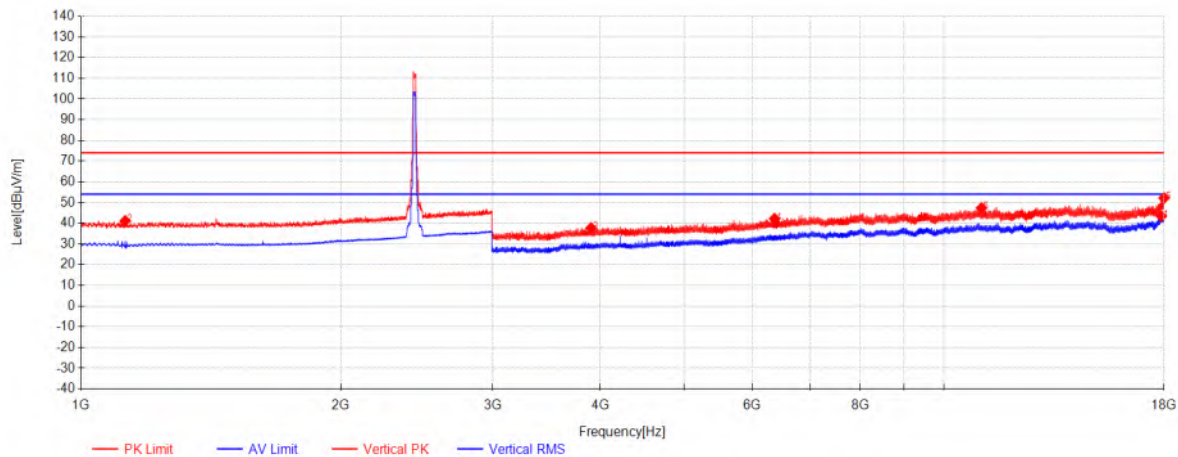
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17846.25	33.13	41.25	-30.78	43.61	54.00	10.39	Vertical
2	1748	48.51	24.97	-25.76	47.73	74.00	26.27	Vertical
3	3703.5	52.91	30.03	-45.41	37.53	74.00	36.47	Vertical
4	7845	48.43	36.99	-41.22	44.20	74.00	29.80	Vertical
5	12796.5	42.34	39.66	-34.77	47.23	74.00	26.77	Vertical
6	17902.875	40.49	41.42	-31.11	50.80	74.00	23.20	Vertical

11ax(HE20)_TX_CH_06_Horizontal



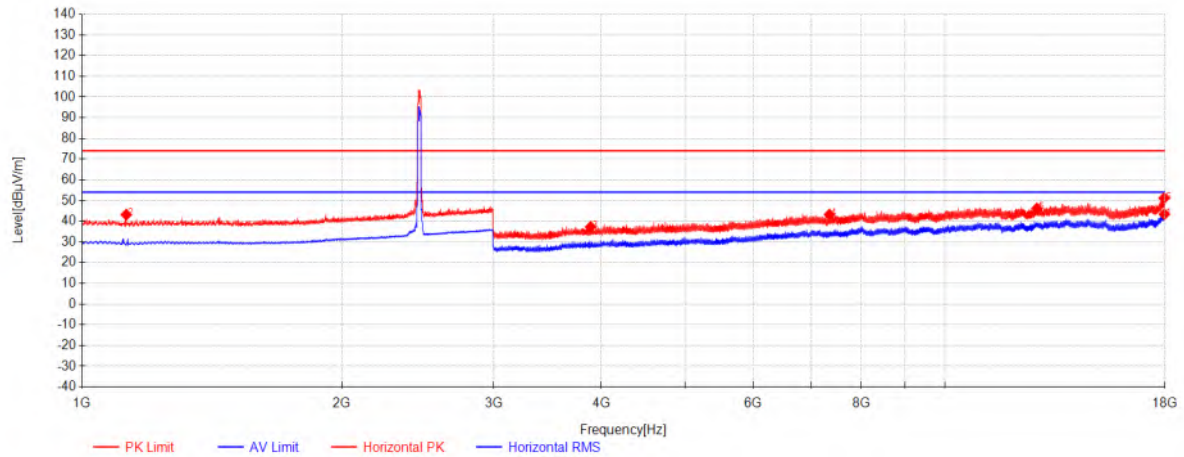
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17948.625	32.58	41.55	-31.07	43.06	54.00	10.94	Horizontal
2	1125	46.47	25.51	-28.00	43.98	74.00	30.02	Horizontal
3	3731.625	52.87	30.13	-45.28	37.72	74.00	36.28	Horizontal
4	7810.5	47.65	36.92	-41.09	43.48	74.00	30.52	Horizontal
5	12294.375	42.42	39.05	-34.78	46.70	74.00	27.30	Horizontal
6	17718	39.97	40.88	-31.29	49.57	74.00	24.43	Horizontal

11ax(HE20)_TX_CH_06_Vertical



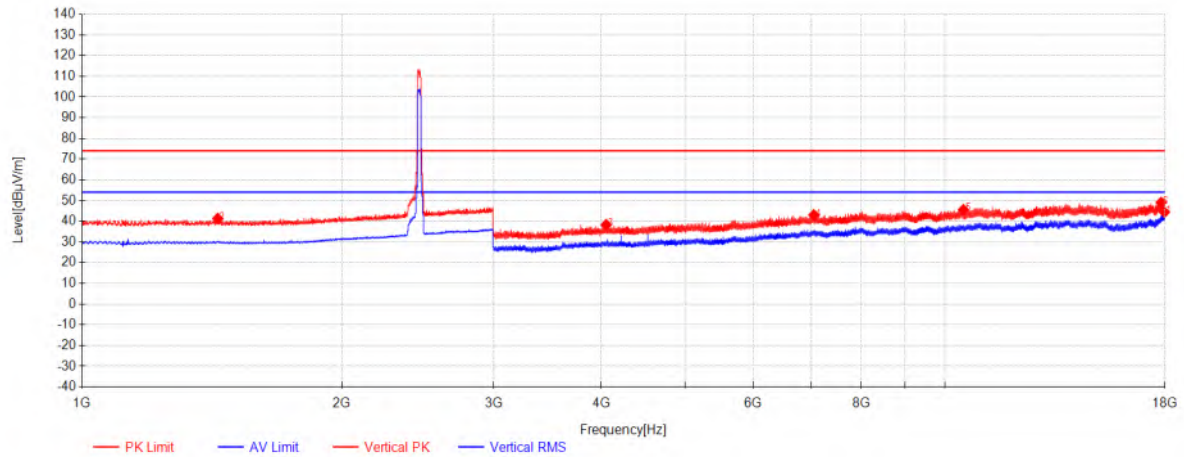
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17868	32.98	41.32	-30.91	43.39	54.00	10.61	Vertical
2	1125	43.60	25.51	-28.00	41.11	74.00	32.89	Vertical
3	3900.75	51.87	30.74	-44.91	37.70	74.00	36.30	Vertical
4	6364.875	50.53	35.23	-43.56	42.20	74.00	31.80	Vertical
5	11056.125	44.14	39.27	-36.04	47.36	74.00	26.64	Vertical
6	17998.125	41.53	41.69	-31.02	52.20	74.00	21.80	Vertical

11ax(HE20)_TX_CH_11_Horizontal



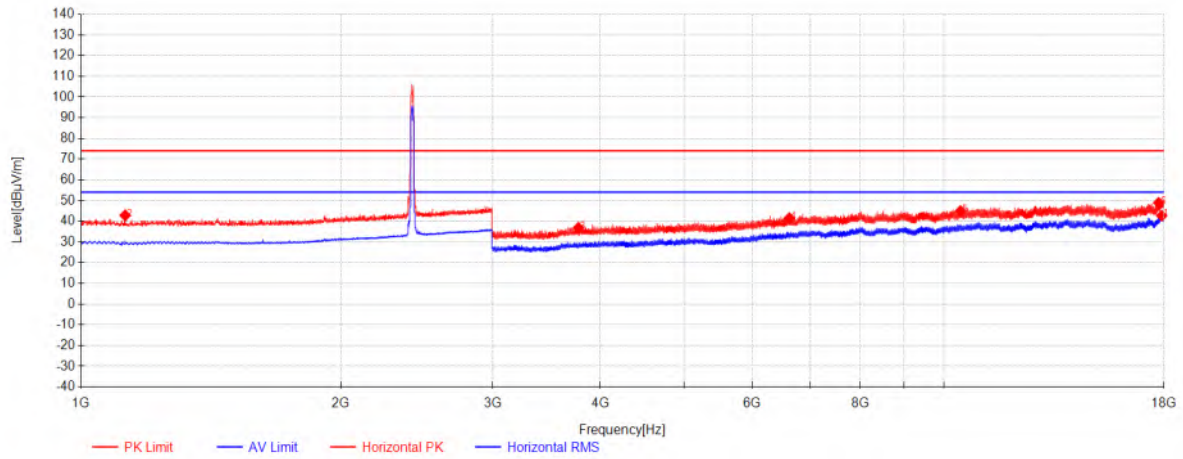
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17965.125	32.84	41.60	-31.05	43.39	54.00	10.61	Horizontal
2	1125	45.64	25.51	-28.00	43.15	74.00	30.85	Horizontal
3	3884.25	51.48	30.68	-44.92	37.25	74.00	36.75	Horizontal
4	7349.25	49.16	36.30	-42.27	43.19	74.00	30.81	Horizontal
5	12786	41.40	39.64	-34.83	46.21	74.00	27.79	Horizontal
6	17953.125	40.65	41.56	-31.06	51.15	74.00	22.85	Horizontal

11ax(HE20)_TX_CH_11_Vertical



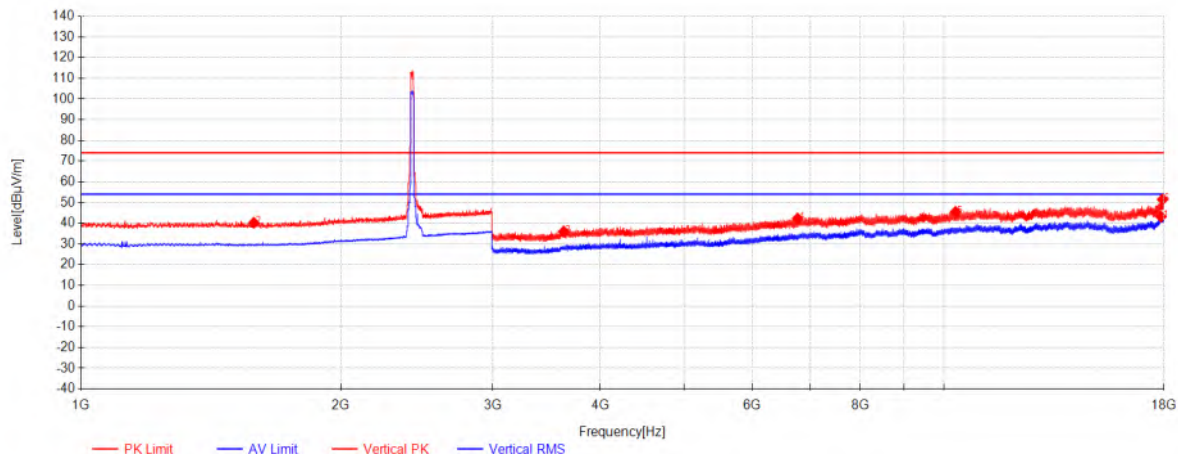
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17965.125	33.84	41.60	-31.05	44.39	54.00	9.61	Vertical
2	1436.5	42.62	25.23	-26.57	41.28	74.00	32.72	Vertical
3	4049.25	52.21	31.18	-45.12	38.27	74.00	35.73	Vertical
4	7048.5	49.63	36.30	-42.92	43.01	74.00	30.99	Vertical
5	10507.125	43.37	38.71	-36.55	45.53	74.00	28.47	Vertical
6	17811.75	38.44	41.15	-30.56	49.03	74.00	24.97	Vertical

11ax(HE40)_TX_CH_03_Horizontal



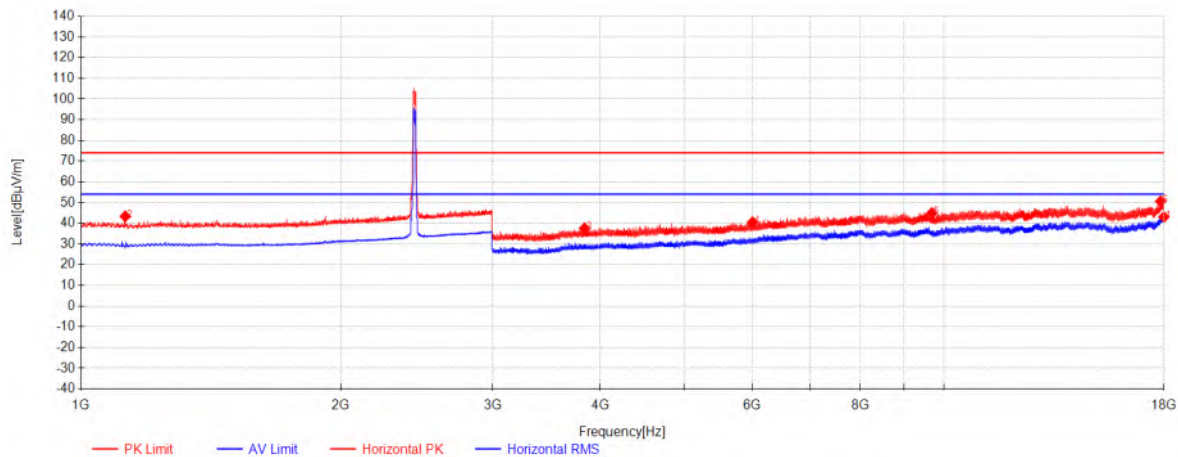
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17888.25	32.36	41.38	-31.04	42.70	54.00	11.30	Horizontal
2	1125	45.31	25.51	-28.00	42.82	74.00	31.18	Horizontal
3	3771	51.72	30.28	-45.10	36.90	74.00	37.10	Horizontal
4	6619.875	48.93	35.69	-43.15	41.47	74.00	32.53	Horizontal
5	10452.75	42.98	38.64	-36.69	44.93	74.00	29.07	Horizontal
6	17739.75	39.01	40.95	-31.07	48.88	74.00	25.12	Horizontal

11ax(HE40)_TX_CH_03_Verical



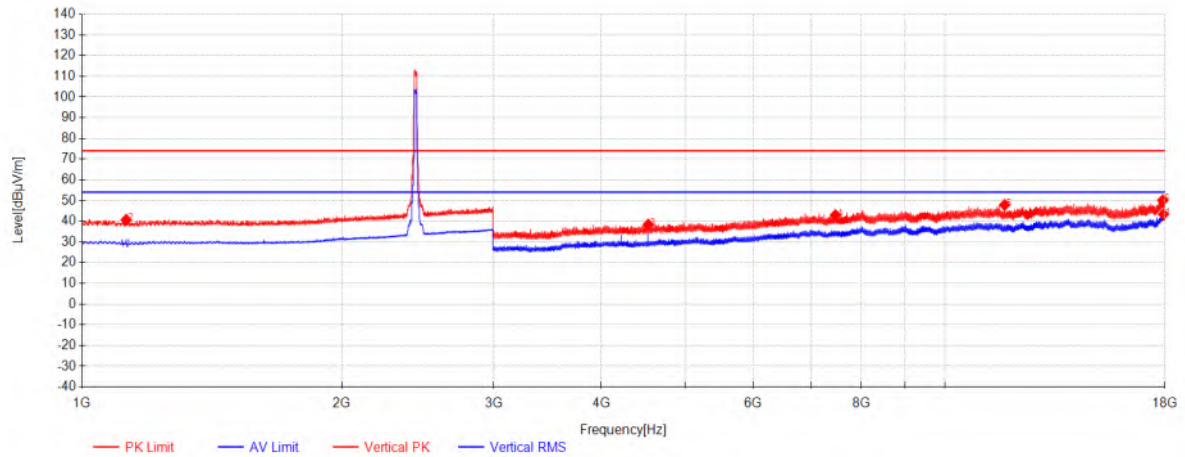
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1	17855.25	32.72	41.28	-30.83	43.17	54.00	10.83	Vertical
2	1586	41.43	24.93	-26.10	40.26	74.00	33.74	Vertical
3	3625.125	51.15	29.75	-44.88	36.02	74.00	37.98	Vertical
4	6767.625	49.51	35.93	-43.12	42.31	74.00	31.69	Vertical
5	10319.625	44.24	38.48	-37.24	45.49	74.00	28.51	Vertical
6	17924.625	41.08	41.48	-31.09	51.47	74.00	22.53	Vertical

11ax(HE40)_TX_CH_06_Horizontal



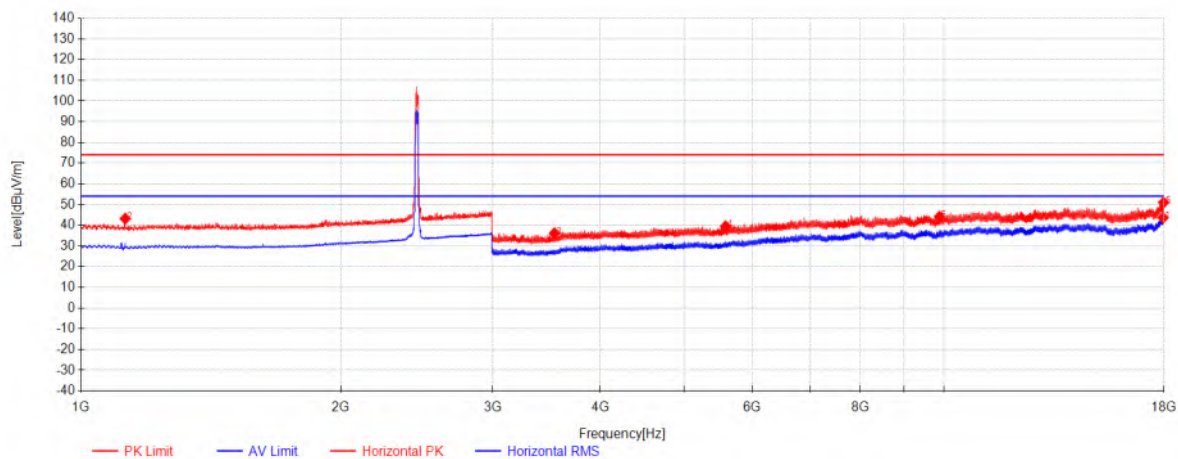
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17989.125	32.42	41.67	-31.03	43.06	54.00	10.94	Horizontal
2	1125	45.81	25.51	-28.00	43.32	74.00	30.68	Horizontal
3	3833.625	51.98	30.50	-44.94	37.54	74.00	36.46	Horizontal
4	6002.25	50.15	34.50	-44.14	40.52	74.00	33.48	Horizontal
5	9685.125	44.93	38.07	-38.09	44.91	74.00	29.09	Horizontal
6	17833.5	40.03	41.22	-30.70	50.55	74.00	23.45	Horizontal

11ax(HE40)_TX_CH_06_Vertical



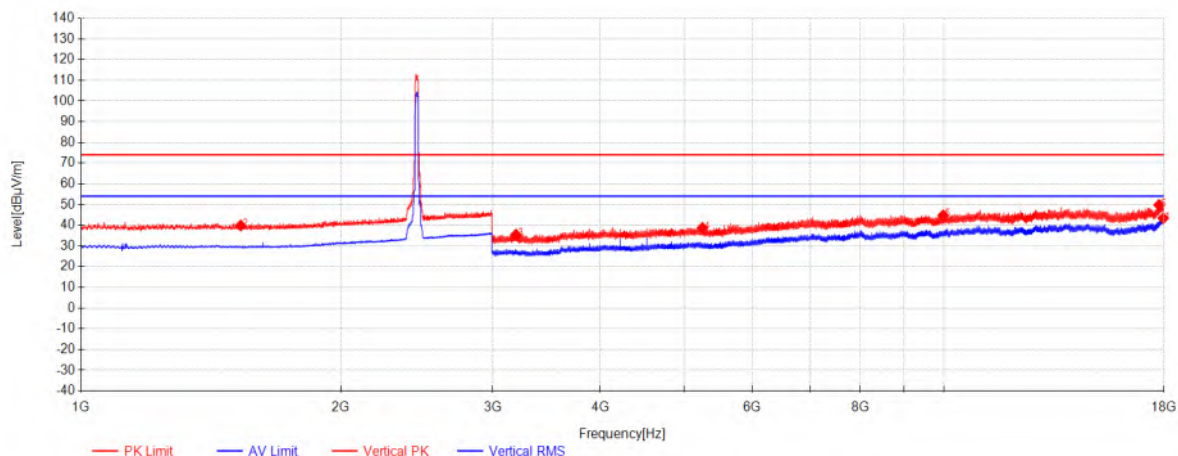
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17921.625	32.98	41.47	-31.09	43.36	54.00	10.64	Vertical
2	1125	43.19	25.51	-28.00	40.70	74.00	33.30	Vertical
3	4531.5	51.59	31.98	-45.19	38.38	74.00	35.62	Vertical
4	7467.375	49.03	36.30	-42.35	42.98	74.00	31.02	Vertical
5	11728.125	44.98	38.86	-35.98	47.86	74.00	26.14	Vertical
6	17884.875	39.76	41.37	-31.02	50.11	74.00	23.89	Vertical

11ax(HE40)_TX_CH_09_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17948.25	33.17	41.55	-31.07	43.65	54.00	10.35	Horizontal
2	1125	45.70	25.51	-28.00	43.21	74.00	30.79	Horizontal
3	3537.75	51.88	29.44	-45.16	36.15	74.00	37.85	Horizontal
4	5586	50.92	33.26	-44.68	39.50	74.00	34.50	Horizontal
5	9883.5	44.00	38.09	-37.92	44.17	74.00	29.83	Horizontal
6	17975.25	40.40	41.63	-31.04	50.99	74.00	23.01	Horizontal

11ax(HE40)_TX_CH_09_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17959.875	32.88	41.58	-31.06	43.41	54.00	10.59	Vertical
2	1531	41.09	25.04	-26.26	39.87	74.00	34.13	Vertical
3	3192	51.57	29.48	-45.61	35.44	74.00	38.56	Vertical
4	5250.375	50.44	33.05	-44.76	38.73	74.00	35.27	Vertical
5	9981	44.31	38.10	-37.63	44.77	74.00	29.23	Vertical
6	17758.875	39.64	41.00	-30.89	49.75	74.00	24.25	Vertical

7.5 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2020) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

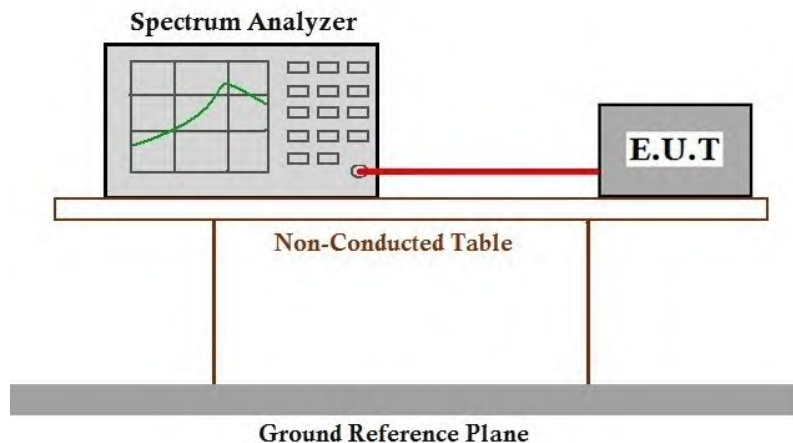
Humidity: 45 % RH

Atmospheric Pressure: 1024 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode(WLAN 2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)

Test Method: ANSI C63.10 (2020) Section 11.8.1

Limit:

≥500 kHz

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

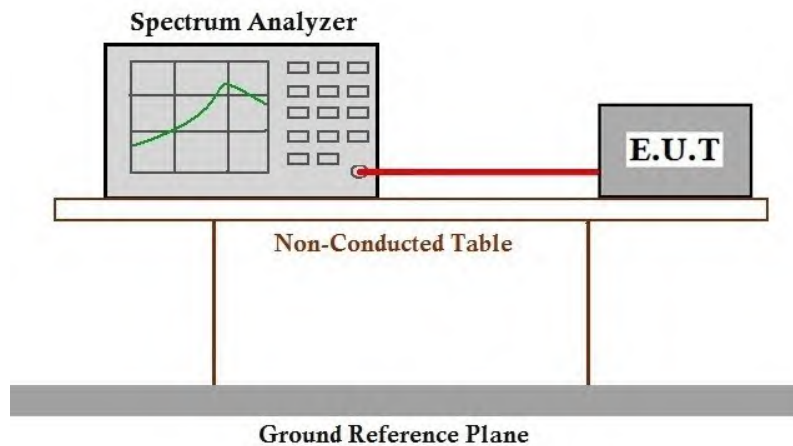
Humidity: 45 % RH

Atmospheric Pressure: 1024 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode(WLAN 2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2510001019AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for SUCR2510001019AT

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	MIMO	2412	/	/	0.689	0.701	98.29	0.07	0.03
		2437	/	/	0.689	0.701	98.29	0.07	0.03
		2462	/	/	0.688	0.701	98.15	0.08	0.03
802.11g	MIMO	2412	/	/	2.097	2.113	99.24	0.03	0.03
		2437	/	/	2.096	2.112	99.24	0.03	0.03
		2462	/	/	2.096	2.112	99.24	0.03	0.03
802.11n (HT20)	MIMO	2412	/	/	5.428	5.444	99.71	0.01	0.00
		2437	/	/	5.427	5.443	99.71	0.01	0.03
		2462	/	/	5.427	5.444	99.69	0.01	0.03
802.11n (HT40)	MIMO	2422	/	/	5.428	5.444	99.71	0.01	0.04
		2437	/	/	5.428	5.444	99.71	0.01	0.04
		2452	/	/	5.426	5.443	99.69	0.01	0.03
802.11ax (HEW20)	MIMO	2412	SU	/	5.444	5.459	99.73	0.01	0.00
		2437	SU	/	5.443	5.459	99.71	0.01	0.00
		2462	SU	/	5.443	5.459	99.71	0.01	0.00
802.11ax (HEW40)	MIMO	2422	SU	/	5.444	5.459	99.73	0.01	0.04
		2437	SU	/	5.444	5.460	99.71	0.01	0.04
		2452	SU	/	5.443	5.459	99.71	0.01	0.04

1.1.2 Ant2

Ant2									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	MIMO	2412	/	/	0.689	0.701	98.29	0.07	0.03
		2437	/	/	0.688	0.701	98.15	0.08	0.03
		2462	/	/	0.691	0.701	98.57	0.06	0.03
802.11g	MIMO	2412	/	/	2.096	2.112	99.24	0.03	0.03
		2437	/	/	2.098	2.114	99.24	0.03	0.03
		2462	/	/	2.098	2.114	99.24	0.03	0.03
802.11n (HT20)	MIMO	2412	/	/	5.428	5.444	99.71	0.01	0.04
		2437	/	/	5.428	5.444	99.71	0.01	0.04
		2462	/	/	5.426	5.443	99.69	0.01	0.03
802.11n	MIMO	2422	/	/	5.427	5.443	99.71	0.01	0.03

(HT40)		2437	/	/	5.426	5.443	99.69	0.01	0.03
		2452	/	/	5.426	5.441	99.72	0.01	0.00
802.11ax (HEW20)	MIMO	2412	SU	/	5.443	5.460	99.69	0.01	0.03
		2437	SU	/	5.444	5.462	99.67	0.01	0.04
		2462	SU	/	5.444	5.459	99.73	0.01	0.00
802.11ax (HEW40)	MIMO	2422	SU	/	5.443	5.460	99.69	0.01	0.03
		2437	SU	/	5.443	5.460	99.69	0.01	0.03
		2452	SU	/	5.444	5.460	99.71	0.01	0.04

2. Bandwidth

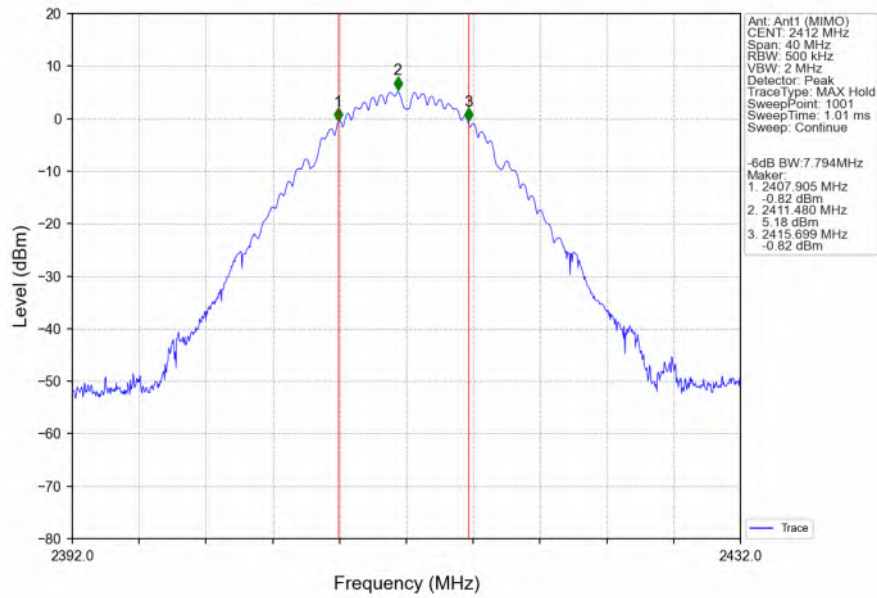
2.1 Test Result

2.1.1 6dB BW

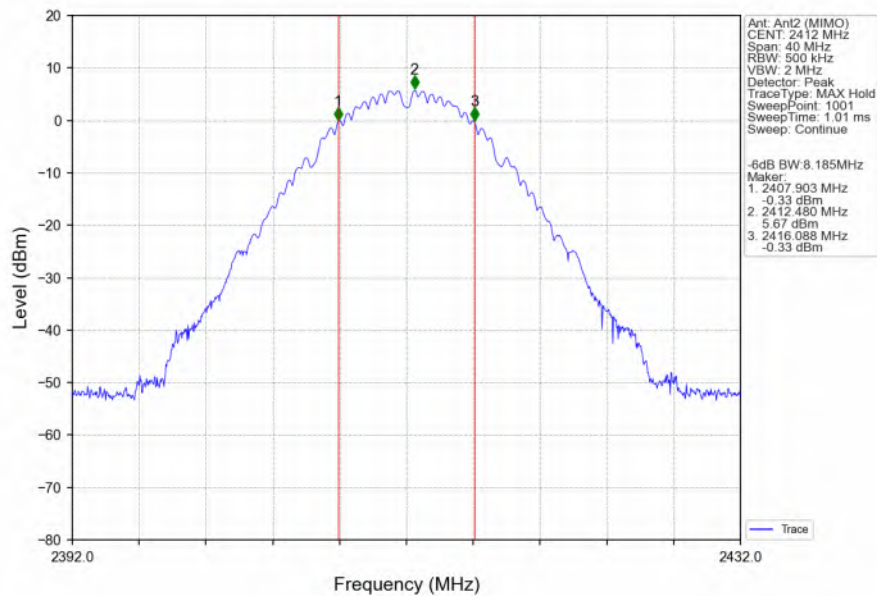
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	MIMO	2412	/	/	1	7.794	≥ 0.5	Pass
					2	8.185	≥ 0.5	Pass
		2437	/	/	1	8.252	≥ 0.5	Pass
					2	8.234	≥ 0.5	Pass
		2462	/	/	1	8.224	≥ 0.5	Pass
					2	8.296	≥ 0.5	Pass
802.11g	MIMO	2412	/	/	1	16.589	≥ 0.5	Pass
					2	16.581	≥ 0.5	Pass
		2437	/	/	1	16.602	≥ 0.5	Pass
					2	16.521	≥ 0.5	Pass
		2462	/	/	1	16.640	≥ 0.5	Pass
					2	16.672	≥ 0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	17.793	≥ 0.5	Pass
					2	17.844	≥ 0.5	Pass
		2437	/	/	1	17.796	≥ 0.5	Pass
					2	17.869	≥ 0.5	Pass
		2462	/	/	1	17.860	≥ 0.5	Pass
					2	17.977	≥ 0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	1	37.104	≥ 0.5	Pass
					2	36.738	≥ 0.5	Pass
		2437	/	/	1	36.849	≥ 0.5	Pass
					2	36.975	≥ 0.5	Pass
		2452	/	/	1	36.772	≥ 0.5	Pass
					2	36.650	≥ 0.5	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	1	19.052	≥ 0.5	Pass
					2	19.114	≥ 0.5	Pass
		2437	SU	/	1	19.123	≥ 0.5	Pass
					2	19.074	≥ 0.5	Pass
		2462	SU	/	1	19.194	≥ 0.5	Pass
					2	19.228	≥ 0.5	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	1	38.259	≥ 0.5	Pass
					2	38.068	≥ 0.5	Pass
		2437	SU	/	1	38.088	≥ 0.5	Pass
					2	38.408	≥ 0.5	Pass
		2452	SU	/	1	38.104	≥ 0.5	Pass
					2	38.327	≥ 0.5	Pass

2.2.1 6dB BW

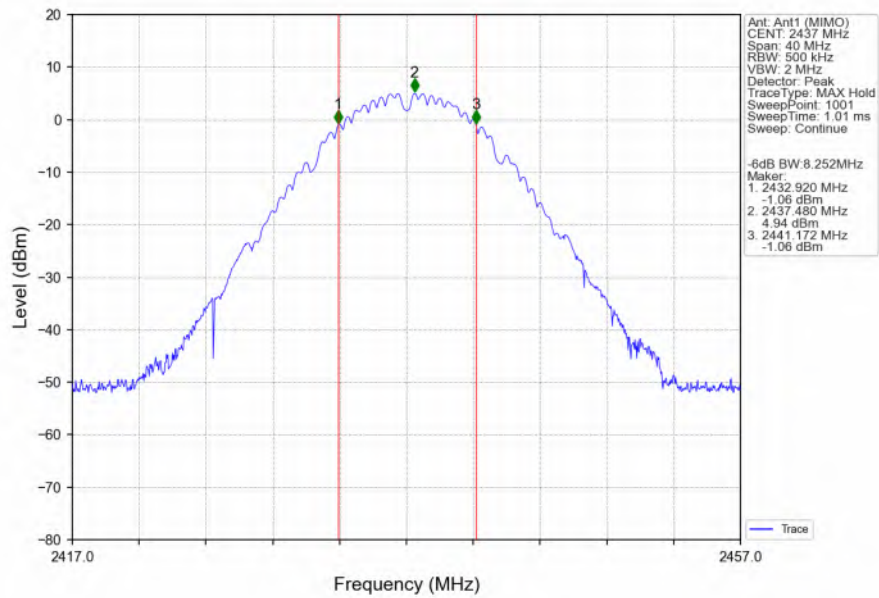
802.11b_LCH_2412MHz_Ant1 (MIMO)_NTNV



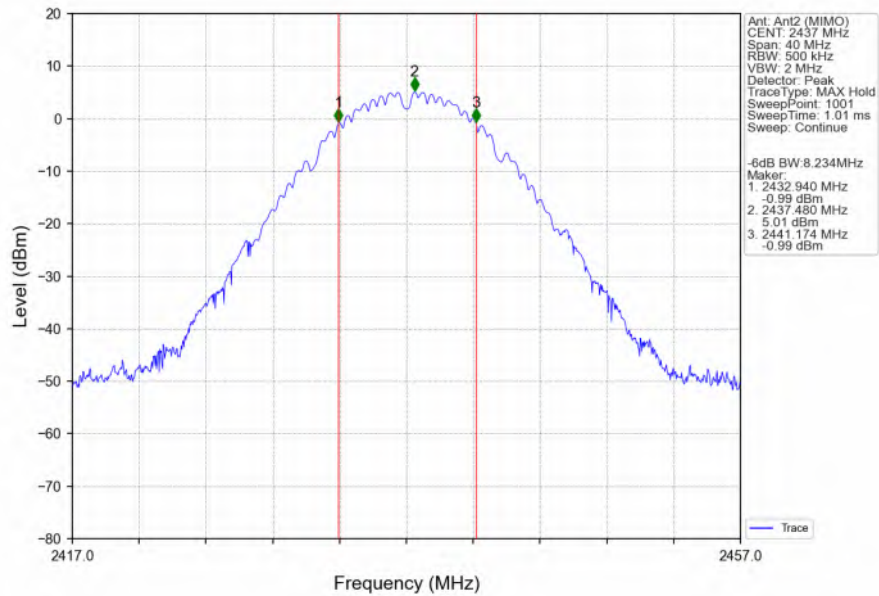
802.11b_LCH_2412MHz_Ant2 (MIMO)_NTNV



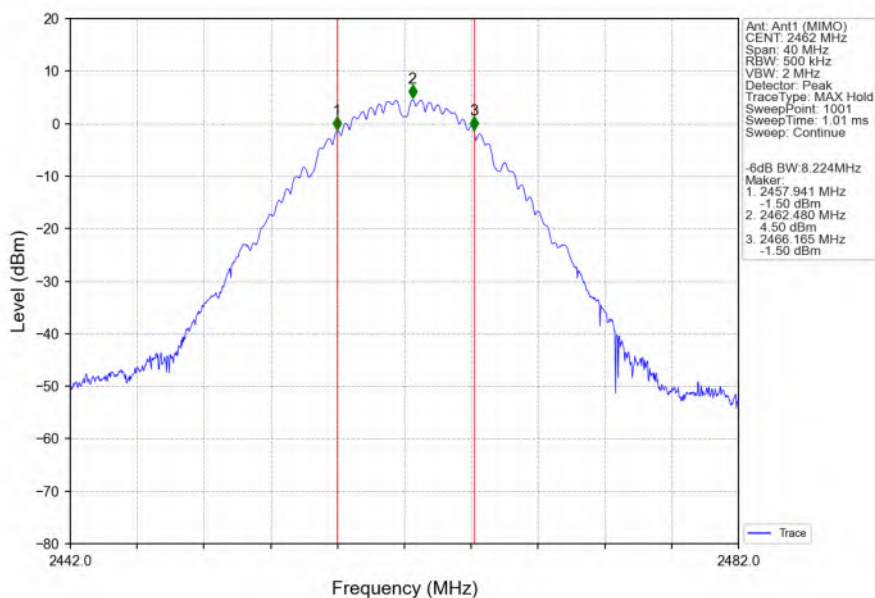
802.11b MCH 2437MHz Ant1 (MIMO) NTN



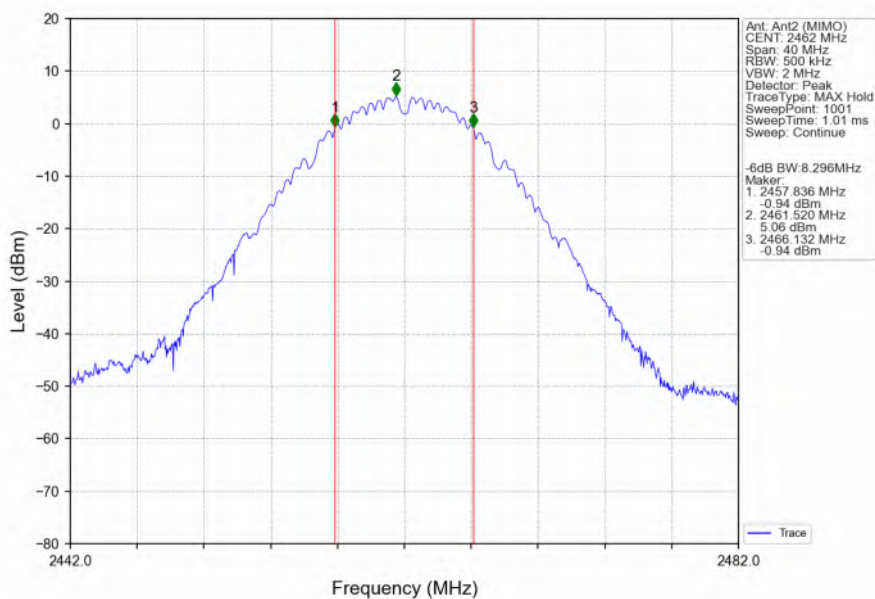
802.11b MCH 2437MHz Ant2 (MIMO) NTN



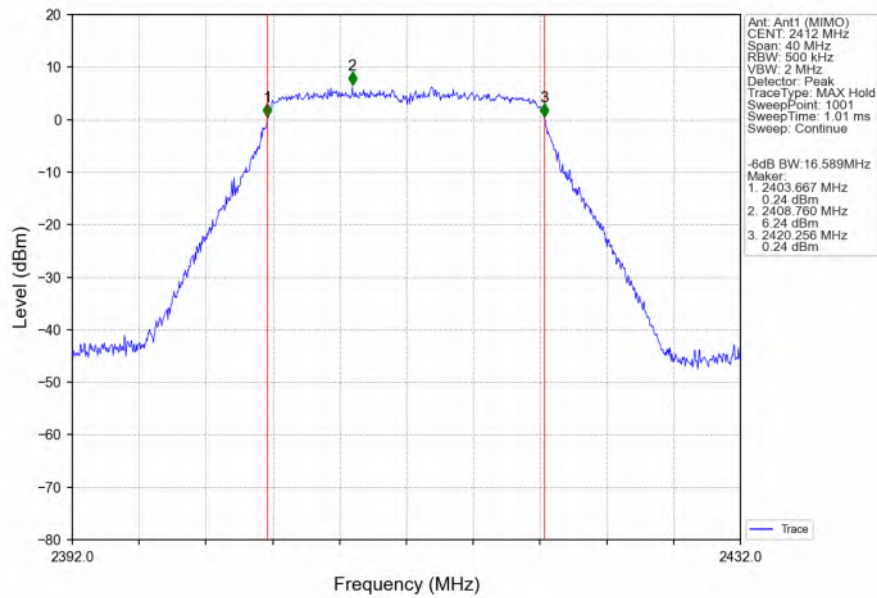
802.11b HCH 2462MHz Ant1 (MIMO) NTN



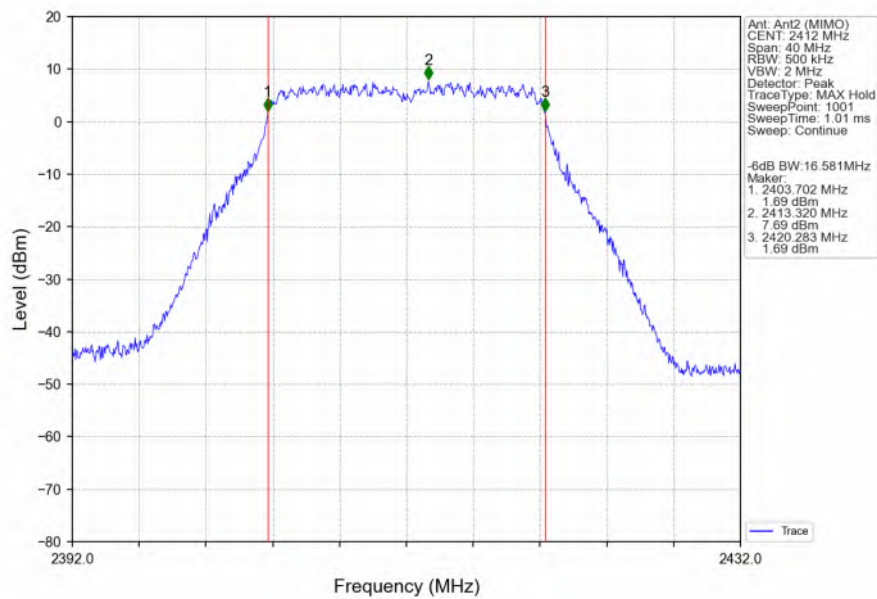
802.11b HCH 2462MHz Ant2 (MIMO) NTN



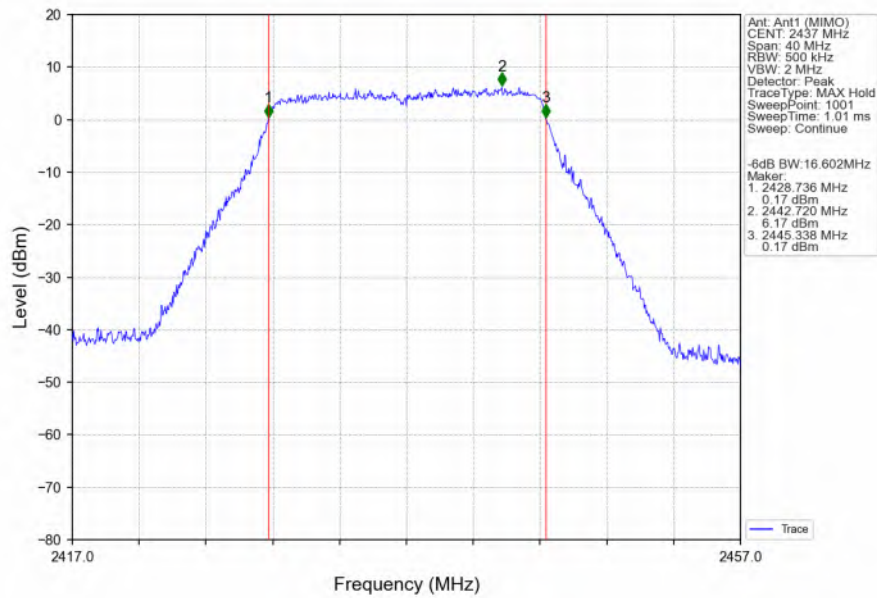
802.11g LCH 2412MHz Ant1 (MIMO) NTN



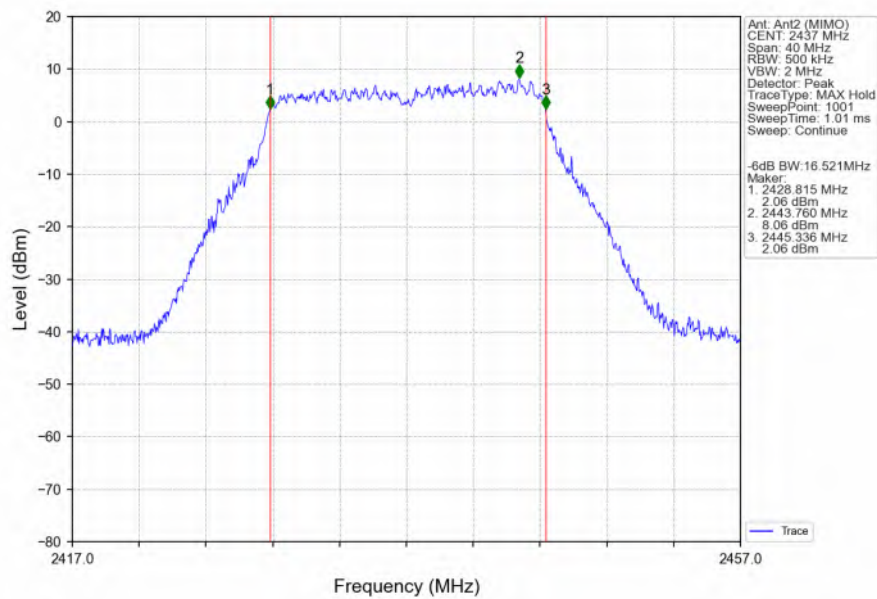
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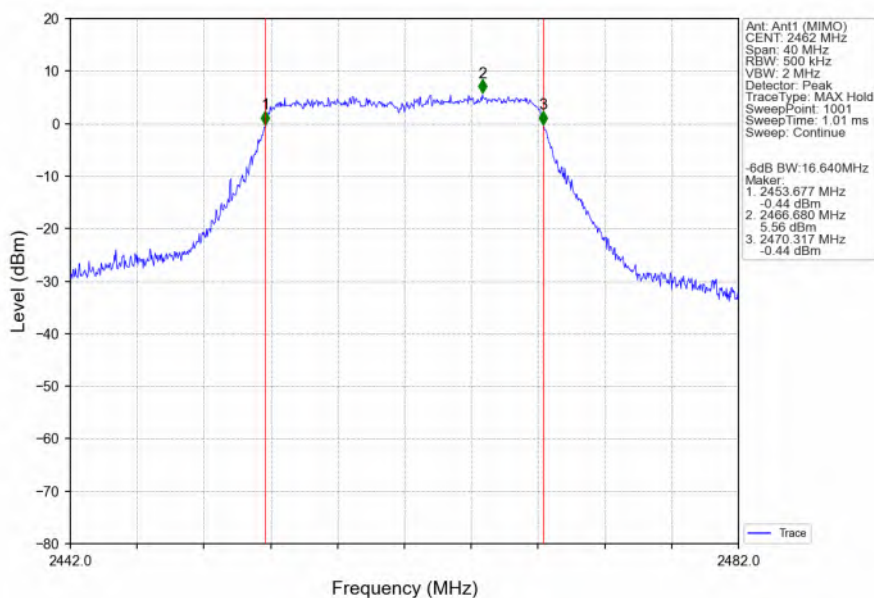
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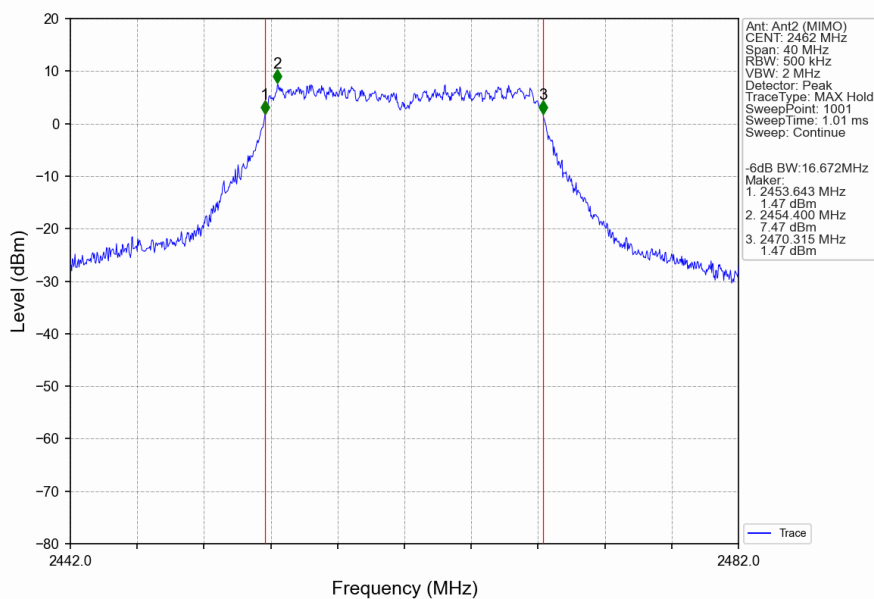
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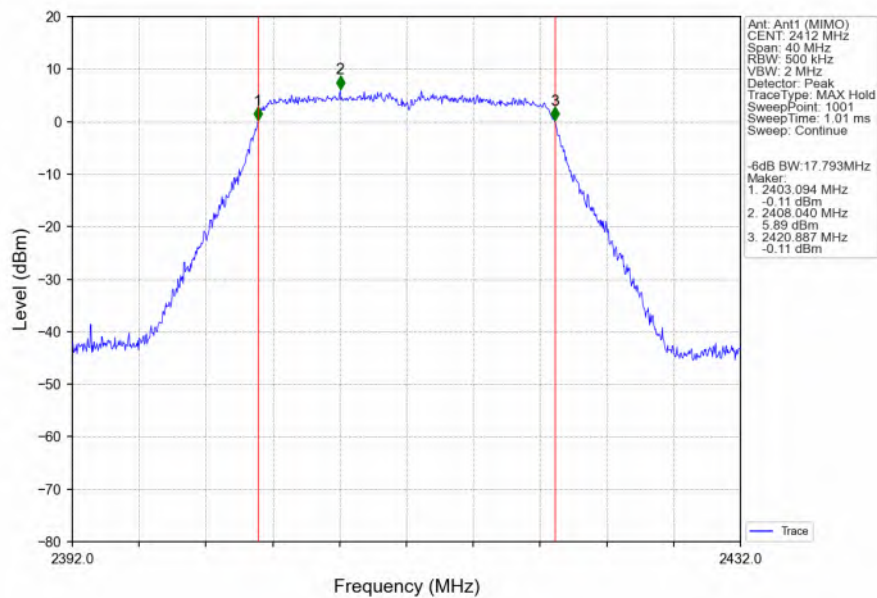
802.11g HCH 2462MHz Ant1 (MIMO) NTNV



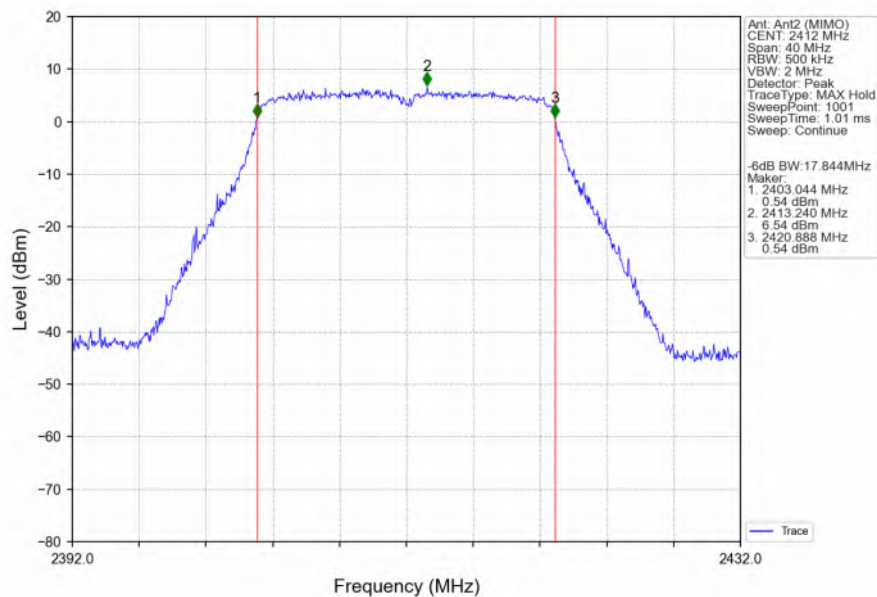
802.11g HCH 2462MHz Ant2 (MIMO) NTNV



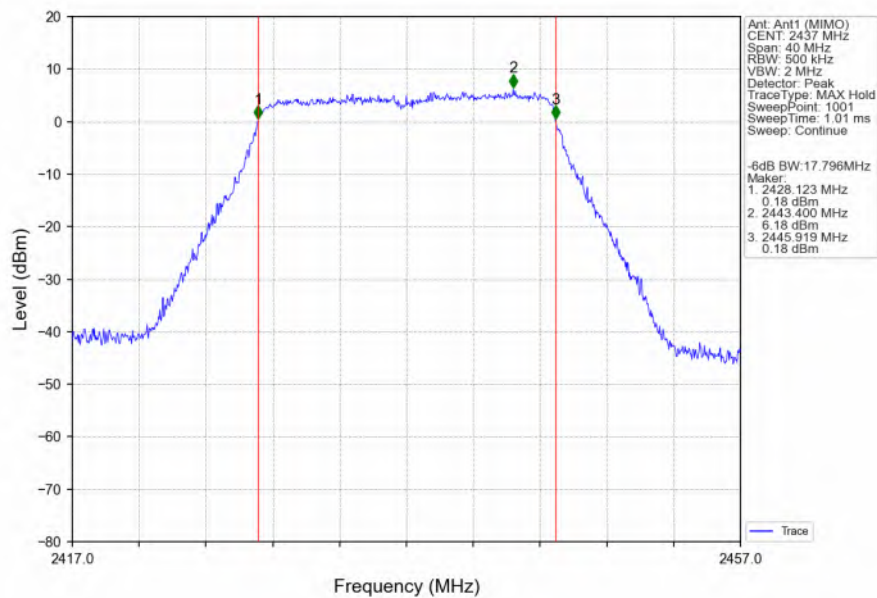
802.11n(HT20) LCH 2412MHz Ant1 (MIMO) NTN



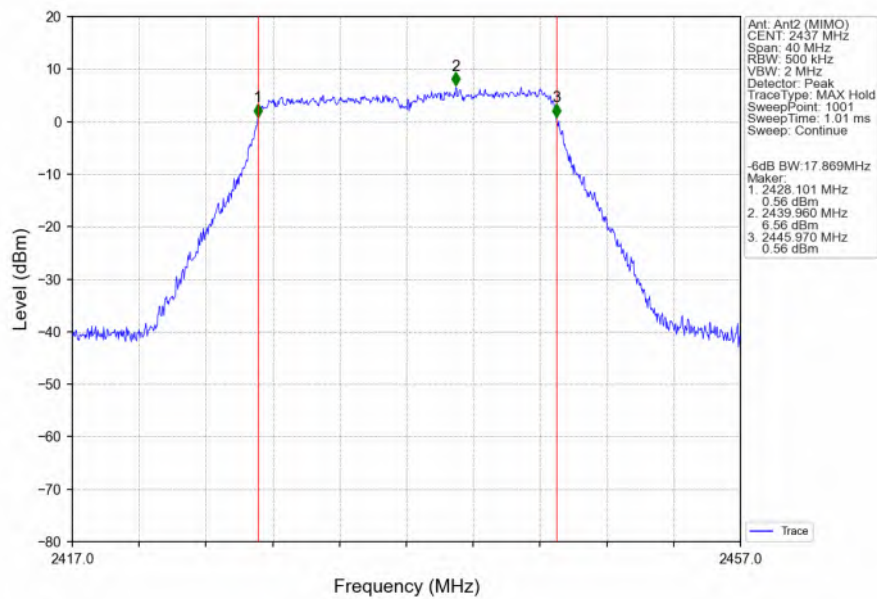
802.11n(HT20) LCH 2412MHz Ant2 (MIMO) NTN



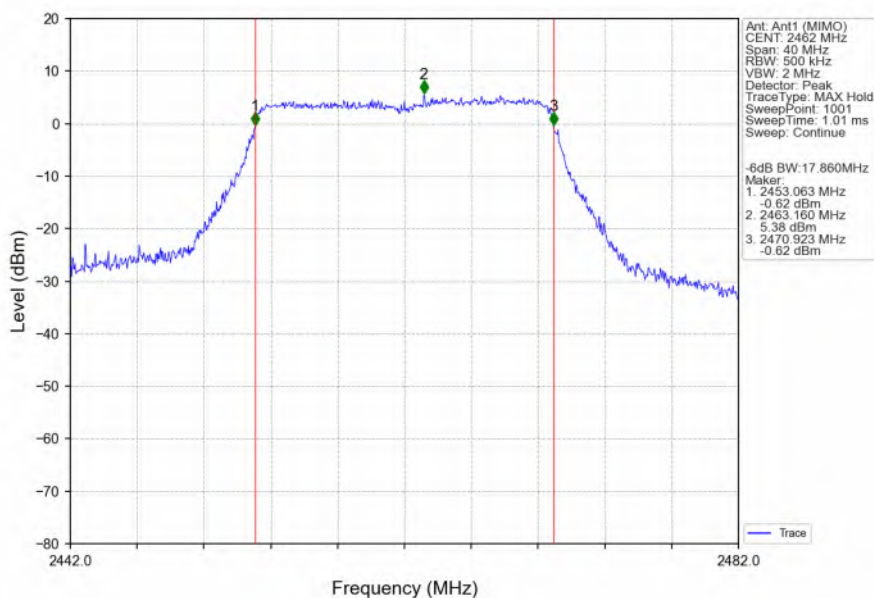
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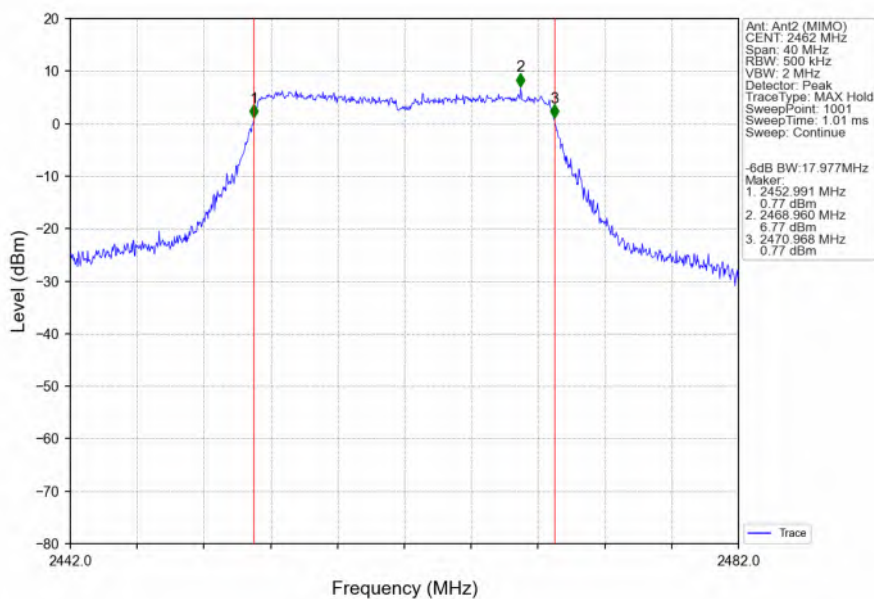
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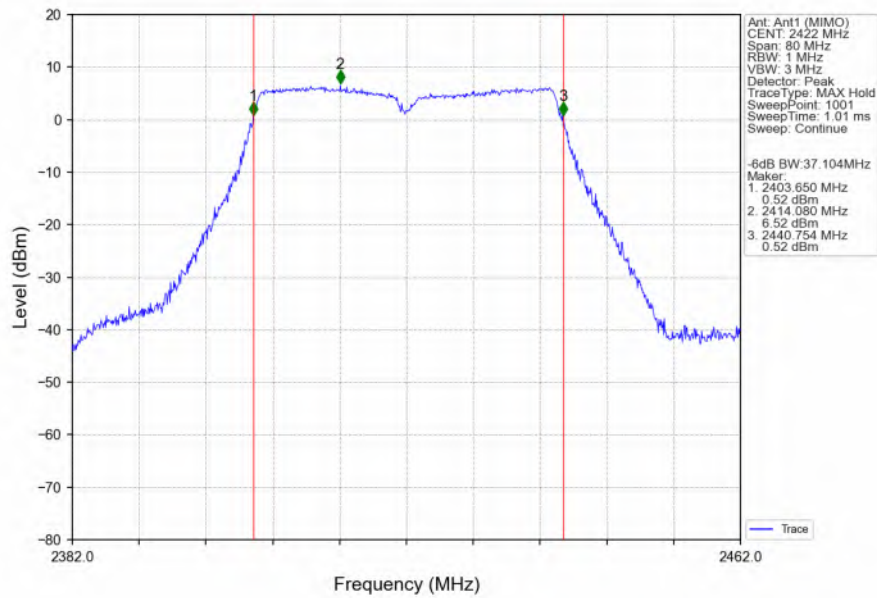
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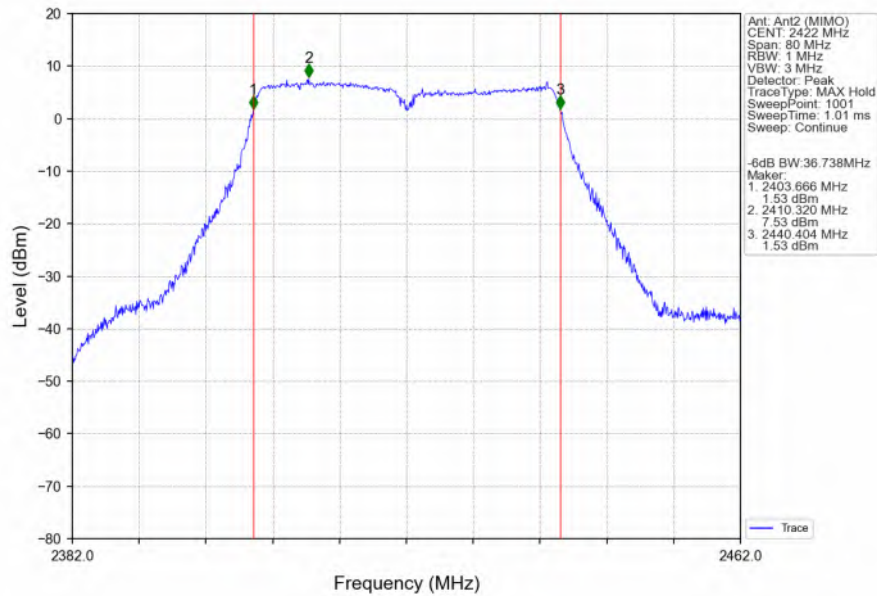
802.11n(HT20) HCH 2462MHz Ant2 (MIMO) NTN



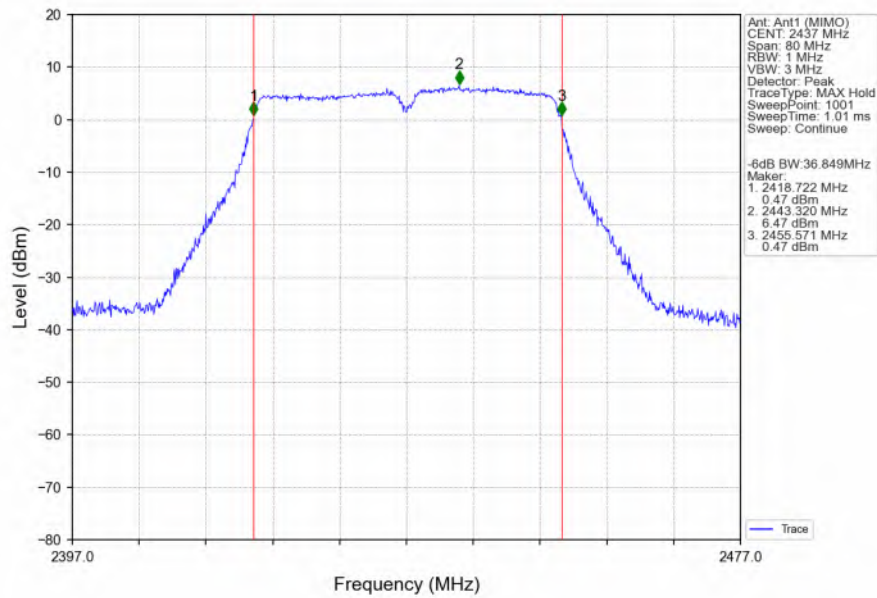
802.11n(HT40) LCH 2422MHz Ant1 (MIMO) NTN



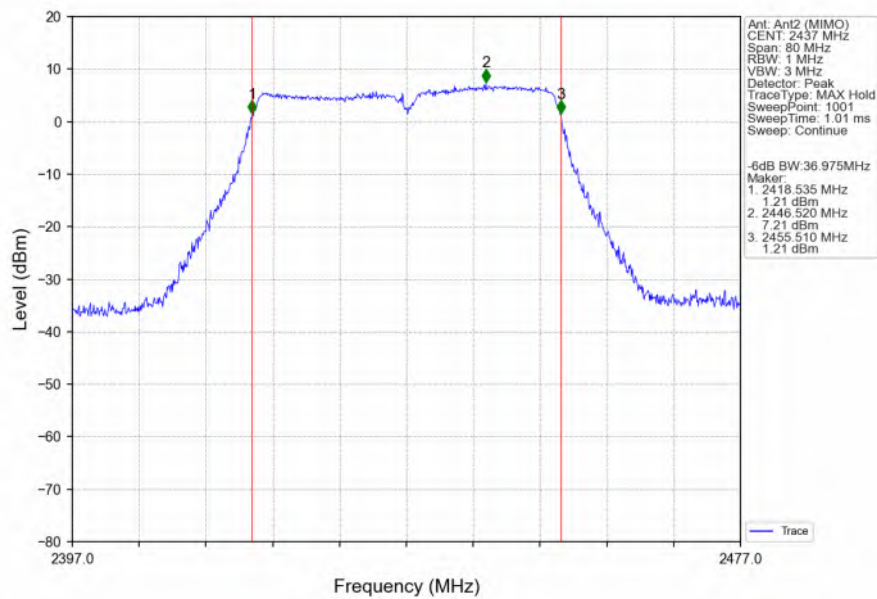
802.11n(HT40) LCH 2422MHz Ant2 (MIMO) NTN



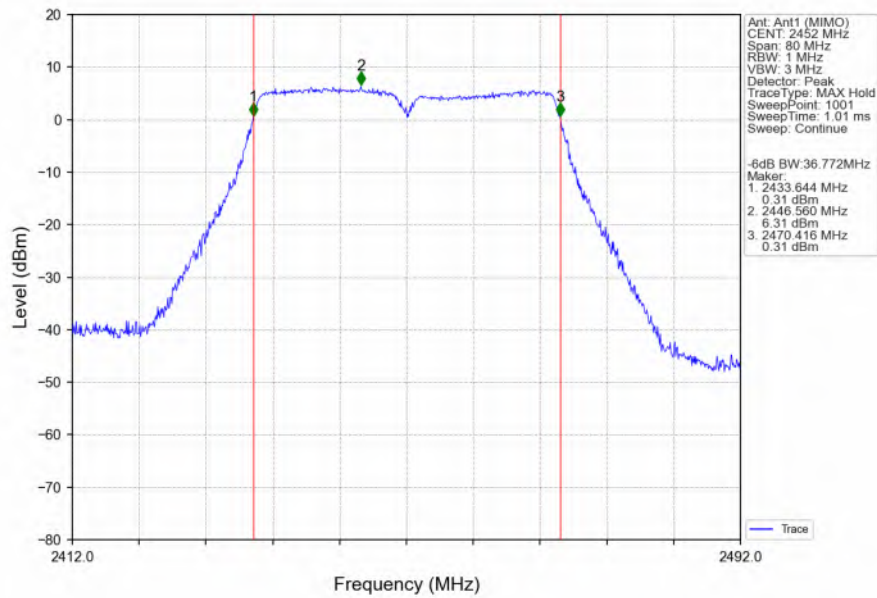
802.11n(HT40) MCH 2437MHz Ant1 (MIMO) NTN



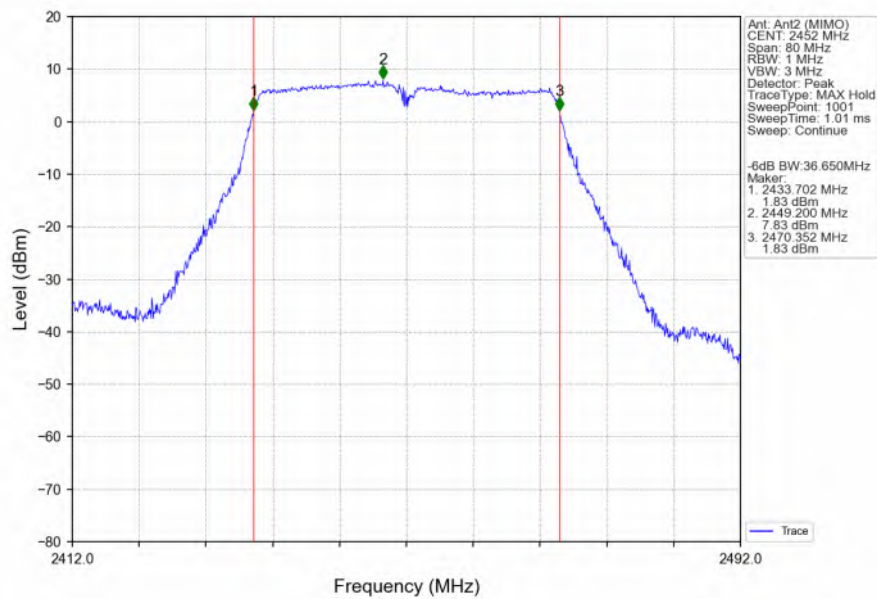
802.11n(HT40) MCH 2437MHz Ant2 (MIMO) NTN



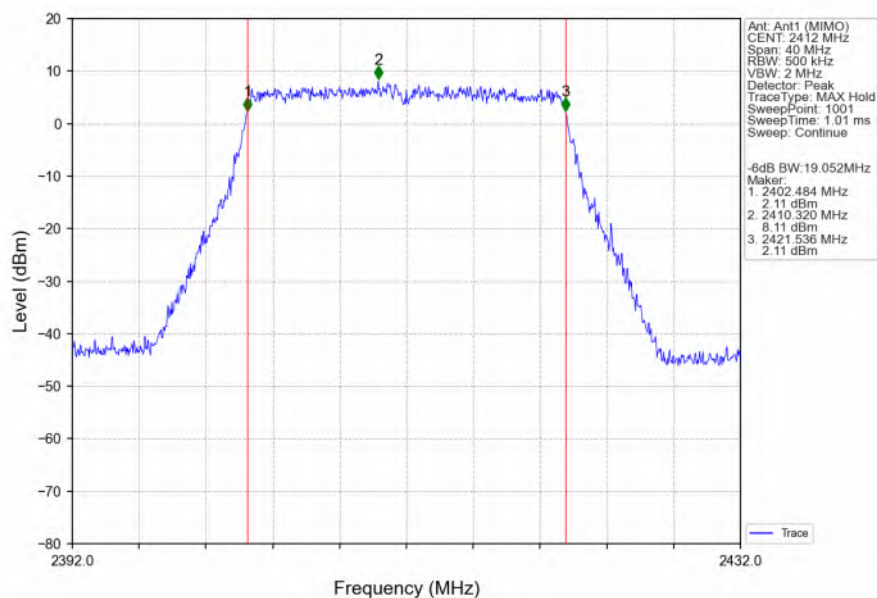
802.11n(HT40) HCH 2452MHz Ant1 (MIMO) NTN



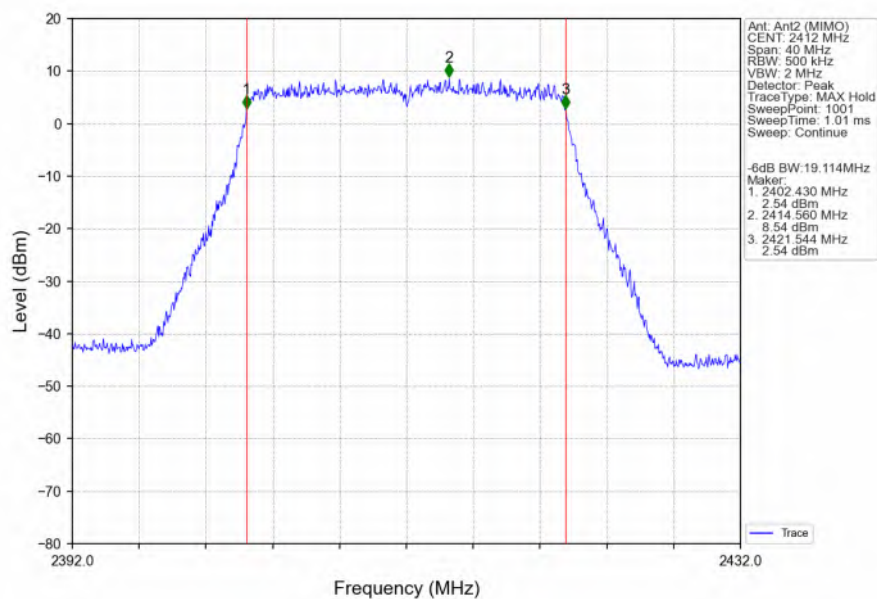
802.11n(HT40) HCH 2452MHz Ant2 (MIMO) NTN



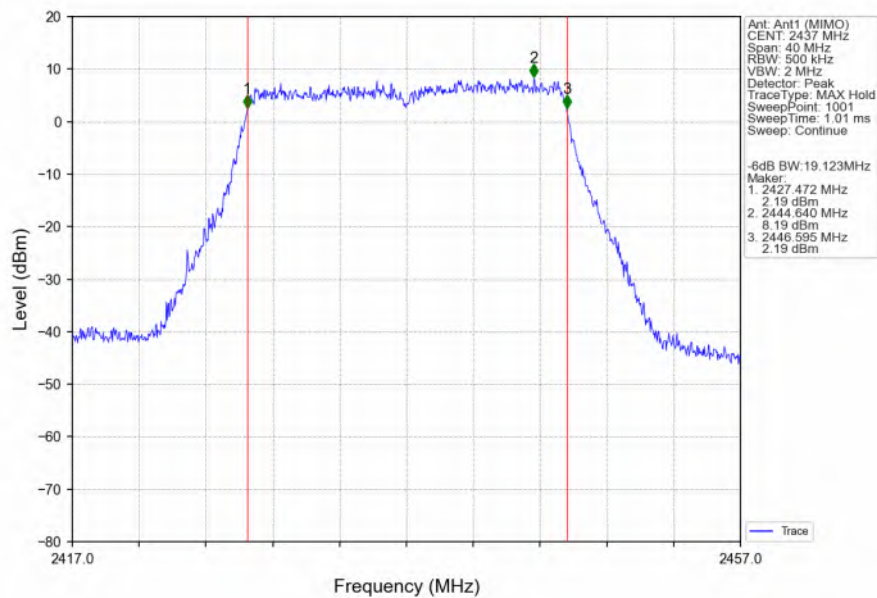
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (MIMO) NTNv



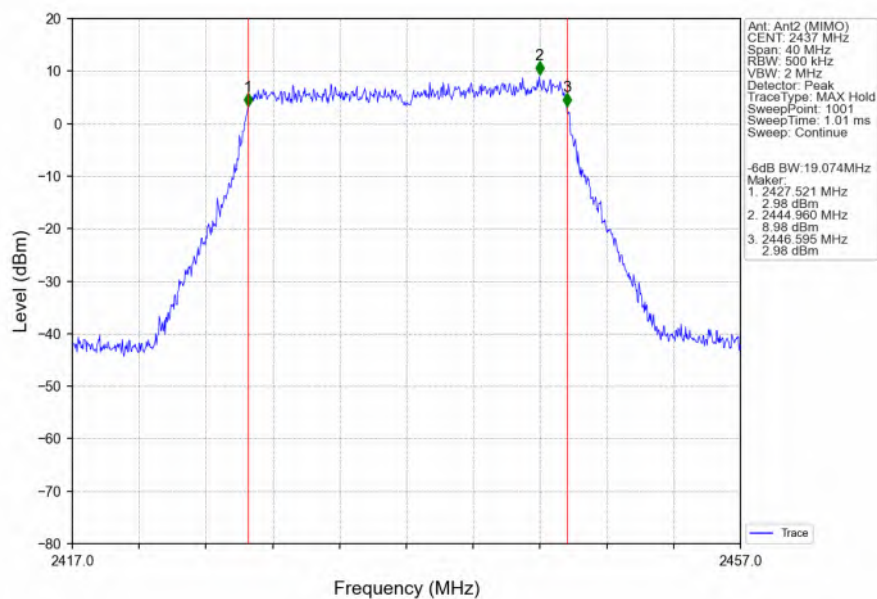
802.11ax(HEW20) LCH 2412MHz SU / Ant2 (MIMO) NTNv



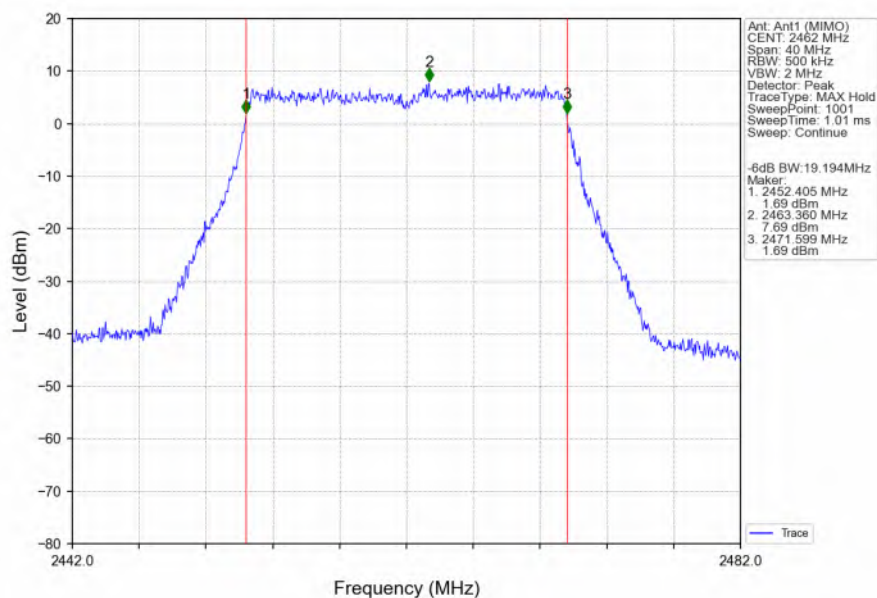
802.11ax(HEW20) MCH 2437MHz SU / Ant1 (MIMO) NTN



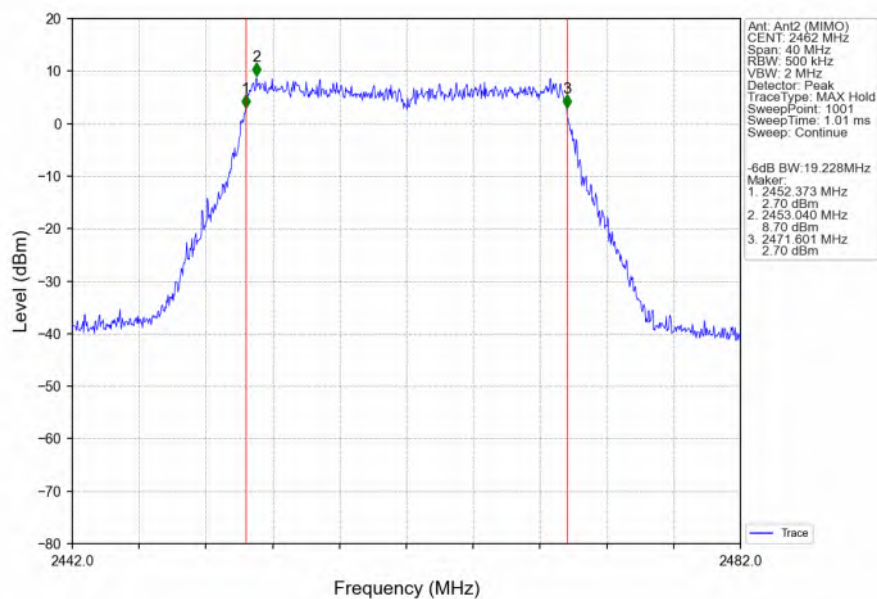
802.11ax(HEW20) MCH 2437MHz SU / Ant2 (MIMO) NTN



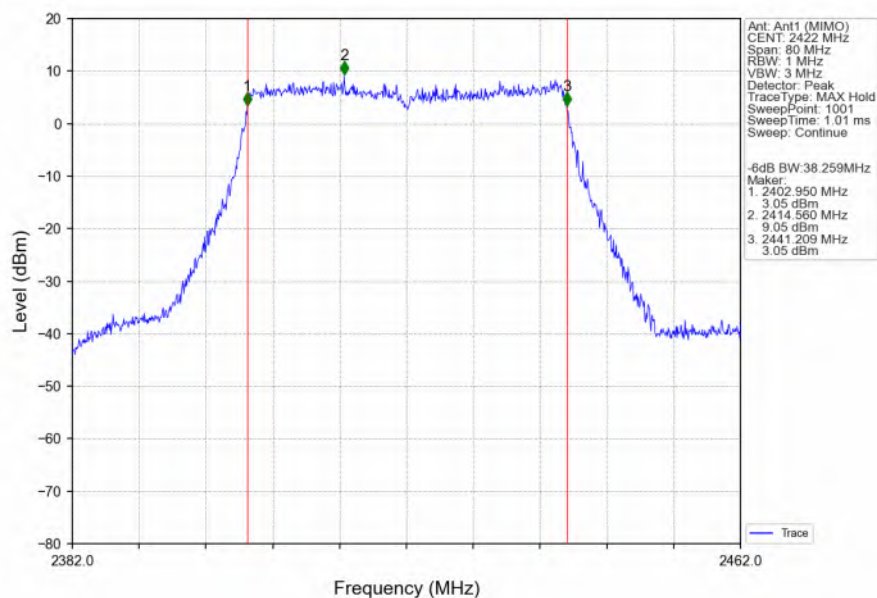
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (MIMO) NTNv



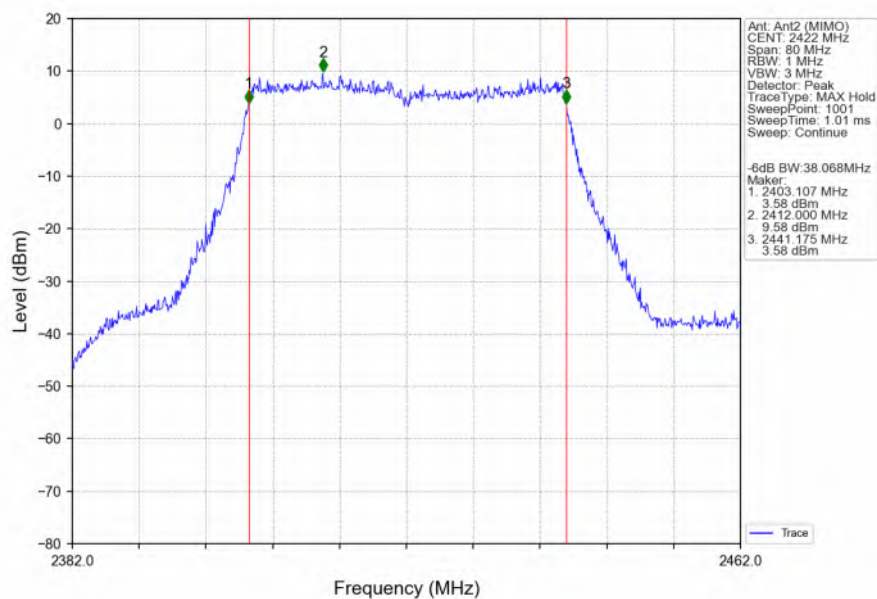
802.11ax(HEW20) HCH 2462MHz SU / Ant2 (MIMO) NTNv



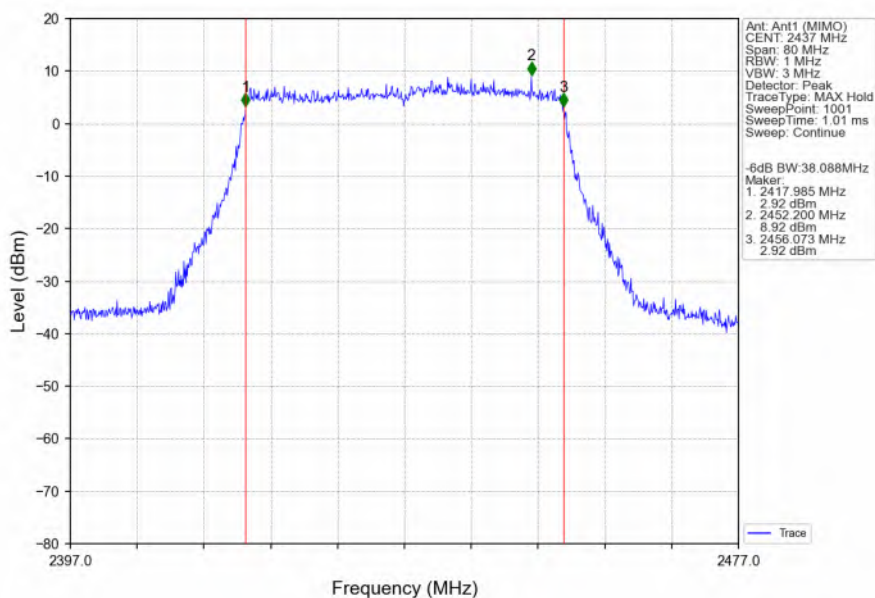
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (MIMO) NTN



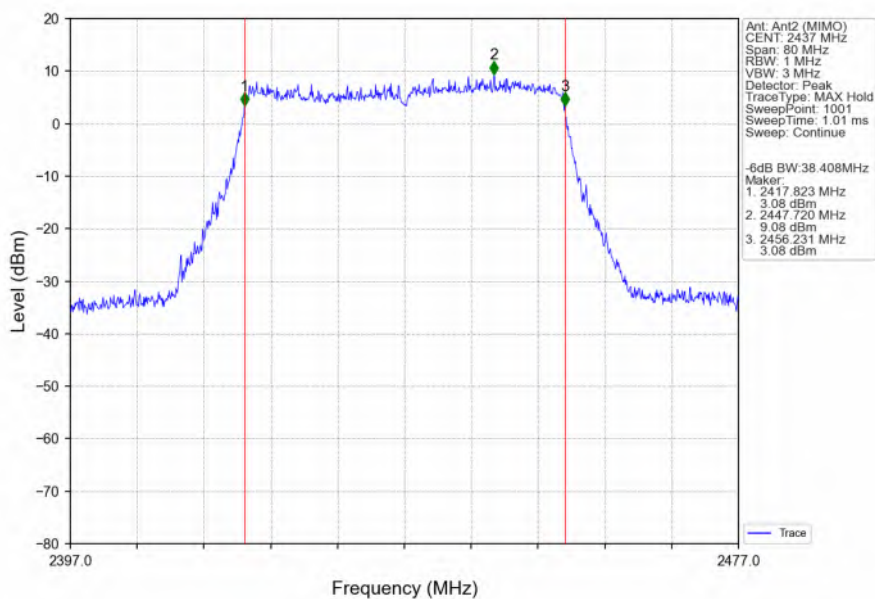
802.11ax(HEW40) LCH 2422MHz SU / Ant2 (MIMO) NTN



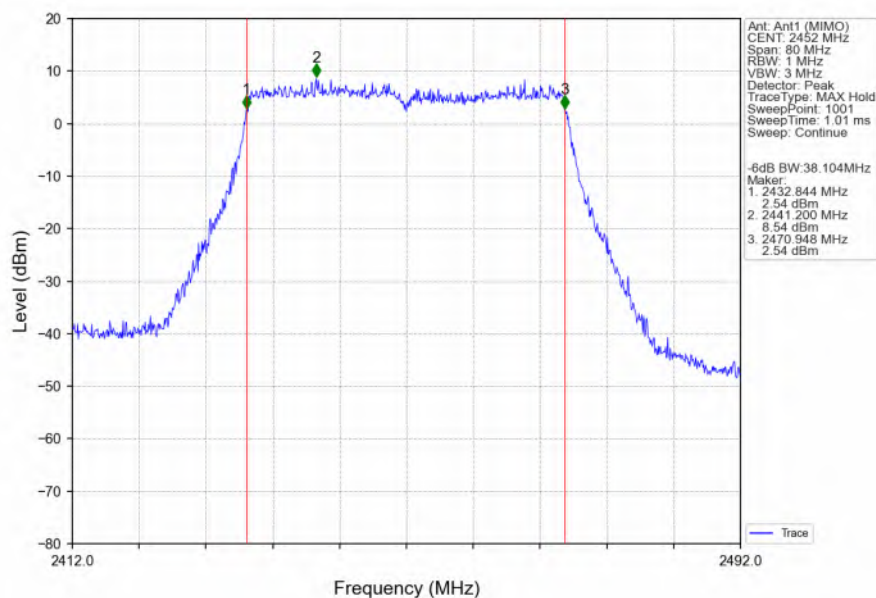
802.11ax(HEW40) MCH 2437MHz SU / Ant1 (MIMO) NTN



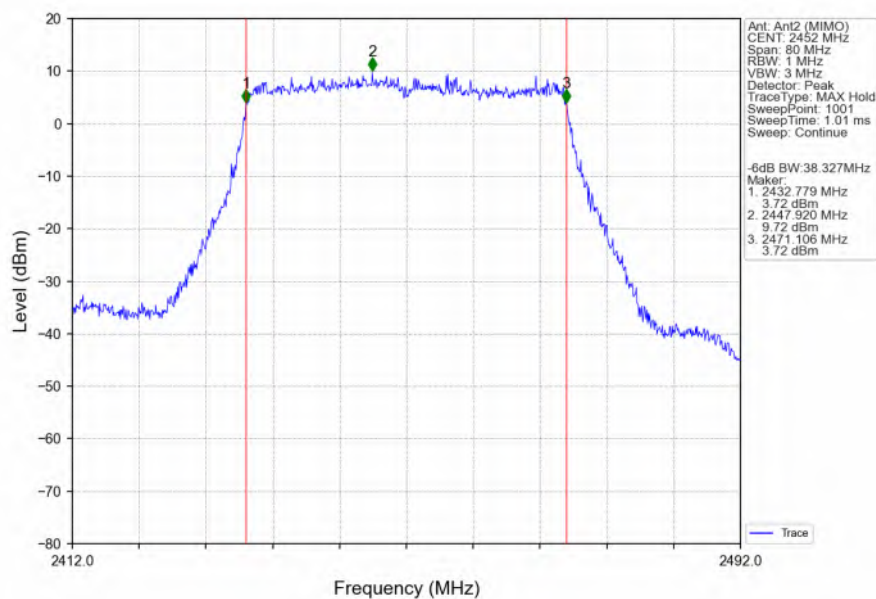
802.11ax(HEW40) MCH 2437MHz SU / Ant2 (MIMO) NTN



802.11ax(HEW40) HCH 2452MHz SU / Ant1 (MIMO) NTN



802.11ax(HEW40) HCH 2452MHz SU / Ant2 (MIMO) NTN



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11b-CDD	Ant1	2412	19.04	≤30.00	PASS
	Ant2	2412	19.98	≤30.00	PASS
	total	2412	22.52	≤30.00	PASS
	Ant1	2437	19.25	≤30.00	PASS
	Ant2	2437	20.59	≤30.00	PASS
	total	2437	22.93	≤30.00	PASS
	Ant1	2462	19.19	≤30.00	PASS
	Ant2	2462	19.96	≤30.00	PASS
	total	2462	22.59	≤30.00	PASS
11g-CDD	Ant1	2412	24.34	≤30.00	PASS
	Ant2	2412	24.25	≤30.00	PASS
	total	2412	27.31	≤30.00	PASS
	Ant1	2437	24.20	≤30.00	PASS
	Ant2	2437	24.46	≤30.00	PASS
	total	2437	27.34	≤30.00	PASS
	Ant1	2462	23.99	≤30.00	PASS
	Ant2	2462	24.34	≤30.00	PASS
	total	2462	27.18	≤30.00	PASS
11n20MIMO	Ant1	2412	23.36	≤30.00	PASS
	Ant2	2412	23.31	≤30.00	PASS
	total	2412	26.35	≤30.00	PASS
	Ant1	2437	23.34	≤30.00	PASS
	Ant2	2437	23.70	≤30.00	PASS
	total	2437	26.53	≤30.00	PASS
	Ant1	2462	23.29	≤30.00	PASS
	Ant2	2462	23.28	≤30.00	PASS
	total	2462	26.30	≤30.00	PASS
11n40MIMO	Ant1	2422	22.71	≤30.00	PASS
	Ant2	2422	22.79	≤30.00	PASS

	total	2422	25.76	≤30.00	PASS
	Ant1	2437	22.72	≤30.00	PASS
	Ant2	2437	22.96	≤30.00	PASS
	total	2437	25.85	≤30.00	PASS
	Ant1	2452	22.60	≤30.00	PASS
	Ant2	2452	22.66	≤30.00	PASS
	total	2452	25.64	≤30.00	PASS
11ax20MIMO	Ant1	2412	22.92	≤30.00	PASS
	Ant2	2412	23.21	≤30.00	PASS
	total	2412	26.08	≤30.00	PASS
	Ant1	2437	22.98	≤30.00	PASS
	Ant2	2437	23.60	≤30.00	PASS
	total	2437	26.30	≤30.00	PASS
	Ant1	2462	23.00	≤30.00	PASS
	Ant2	2462	23.22	≤30.00	PASS
	total	2462	26.12	≤30.00	PASS
11ax40MIMO	Ant1	2422	22.61	≤30.00	PASS
	Ant2	2422	22.85	≤30.00	PASS
	total	2422	25.74	≤30.00	PASS
	Ant1	2437	22.54	≤30.00	PASS
	Ant2	2437	22.96	≤30.00	PASS
	total	2437	25.76	≤30.00	PASS
	Ant1	2452	22.48	≤30.00	PASS
	Ant2	2452	22.83	≤30.00	PASS
	total	2452	25.67	≤30.00	PASS

- End of the Report -