

TEST REPORT

Application No.: SUCR2511001074MO
FCC ID: XMR2025FGMC63N
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: WiFi & Bluetooth Module
Model No.: FGMC63N
Trade Mark: QUECTEL
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2025-11-04
Date of Test: 2025-12-24 to 2025-12-26
Date of Issue: 2025-12-30

Test Result:
Pass*

* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2025-12-30	/

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)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	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 11.9.1	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)	Pass
Conducted Band Edges Measurement		ANSI C63.10 (2020) Section 6.10.4	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions		ANSI C63.10 (2020) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass

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4 General Information

4.1 Details of E.U.T.

Power supply:	3.3V
Operation Frequency:	802.11b/g/n(HT20)/ax(HEW20): 2412MHz to 2462MHz
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
Channel Spacing:	5MHz
Antenna Type:	Dipole Antenna
Antenna Gain:	0.2dBi (Provided by the manufacturer)
Antenna Number:	1

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	25	3.3
Note: NV:Normal Voltage LV:Low Extreme Test Voltage HV:High Extreme Test Voltage NT:Normal Temperature LT:Low Extreme Test Temperature HT:High Extreme Test Temperature		

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Computer	Lenovo	T14	2YK6GR

4.4 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.		

4.5 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.

4.6 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1312)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory. Test Firm Registration Number:717327

- **ISED (CAB Identifier: CN0120)**

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

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
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
16	RF Control unit	TST	TSCB3023R2	SUWI-02-20-01	NCR	NCR
17	RFCables	Tonscend	NA	SUWI-01-03-01	1/16/2025	1/15/2026
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
21	RF Control unit	Tonscend	JS0806-1	SUWI-02-20-01	NCR	NCR
22	RFCables	Tonscend	NA	SUWI-01-03-02	1/16/2025	1/15/2026

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:

The antenna is Dipole Antenna and no consideration of replacement. The best case gain of the antenna is 0.2dBi.

7 Radio Spectrum Matter Test Results

7.1 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.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

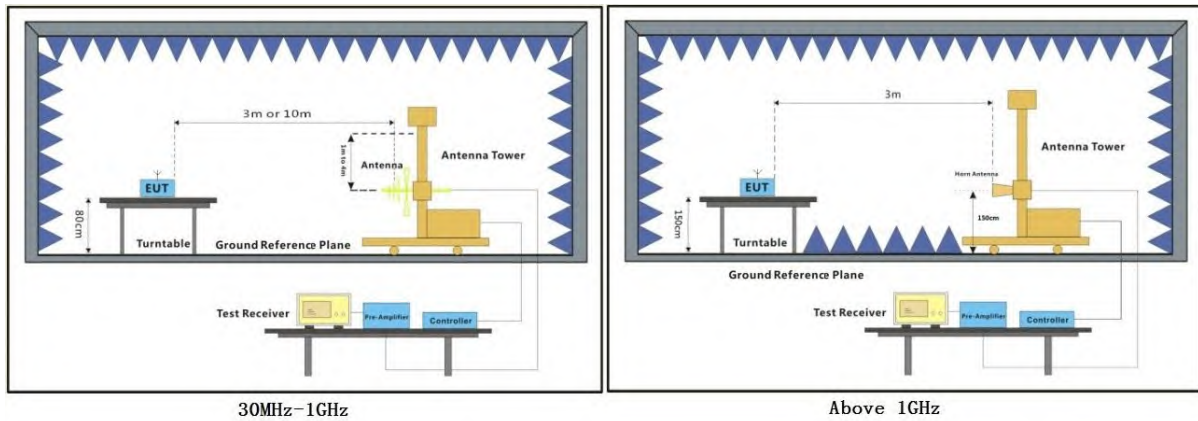
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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

- 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.

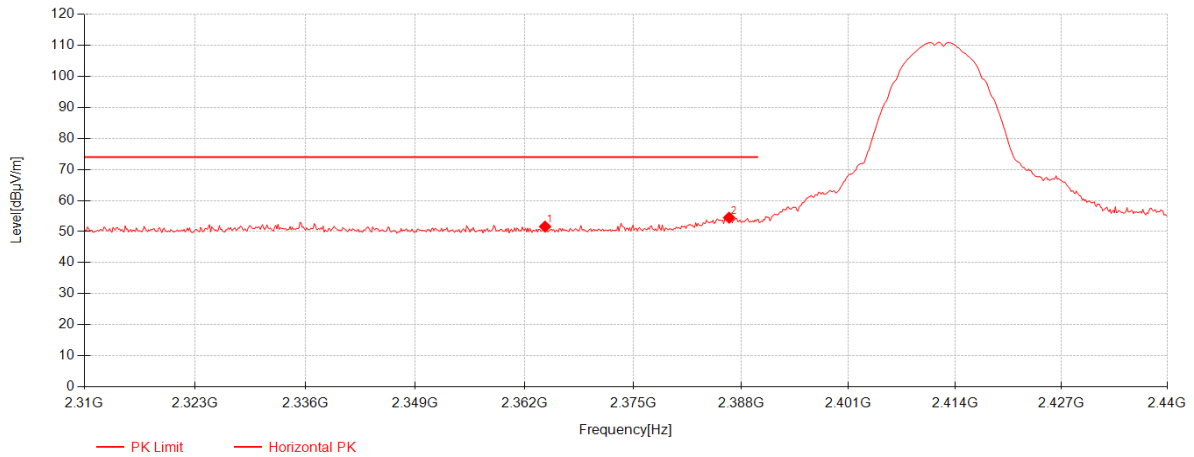
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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.

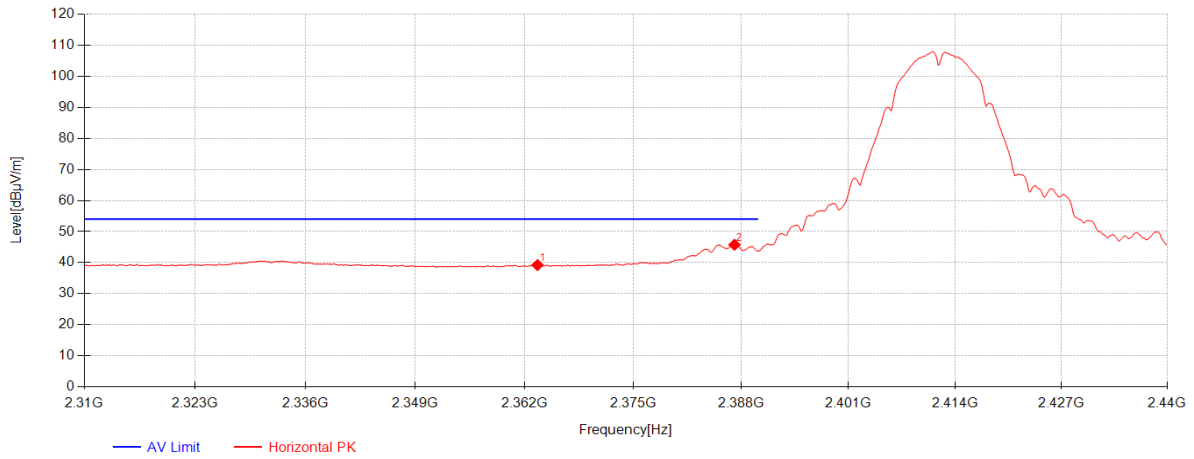
Remark 4: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

11b_TX_CH_01_Horizontal_Peak



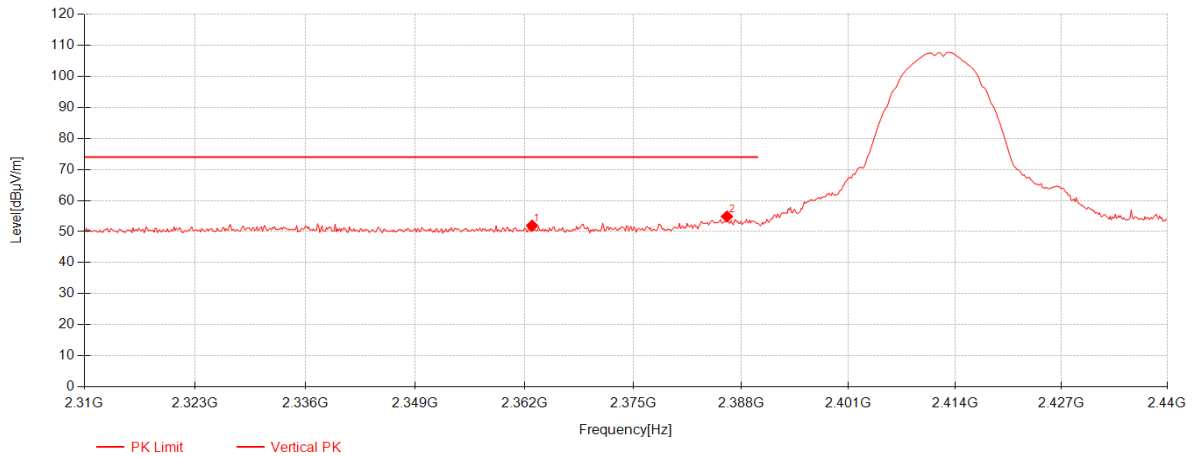
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2364.47	41.94	27.27	-17.59	51.62	74.00	22.38	Horizontal
2	2386.57	44.83	27.23	-17.56	54.50	74.00	19.50	Horizontal

11b_TX_CH_01_Horizontal_Average



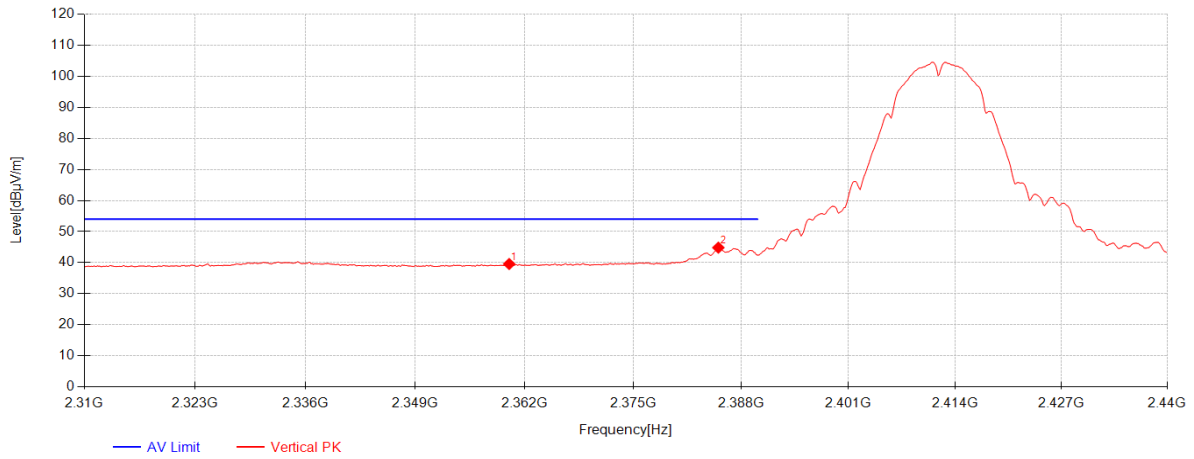
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2363.56	29.55	27.27	-17.59	39.23	54.00	14.77	Horizontal
2	2387.22	36.09	27.23	-17.56	45.76	54.00	8.24	Horizontal

11b_TX_CH_01_Vertical_Peak



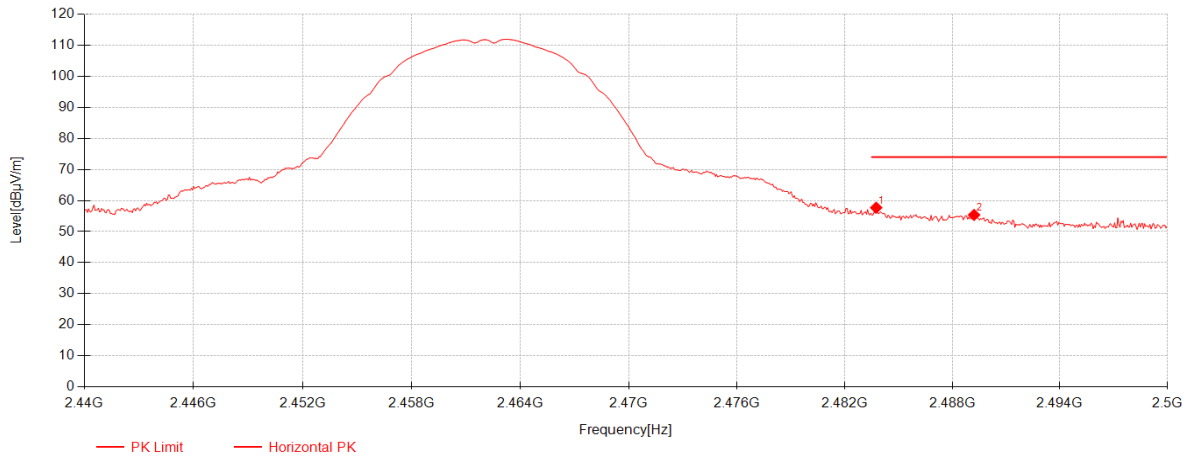
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2362.91	42.25	27.27	-17.59	51.93	74.00	22.07	Vertical
2	2386.31	45.21	27.23	-17.57	54.87	74.00	19.13	Vertical

11b_TX_CH_01_Vertical_Average



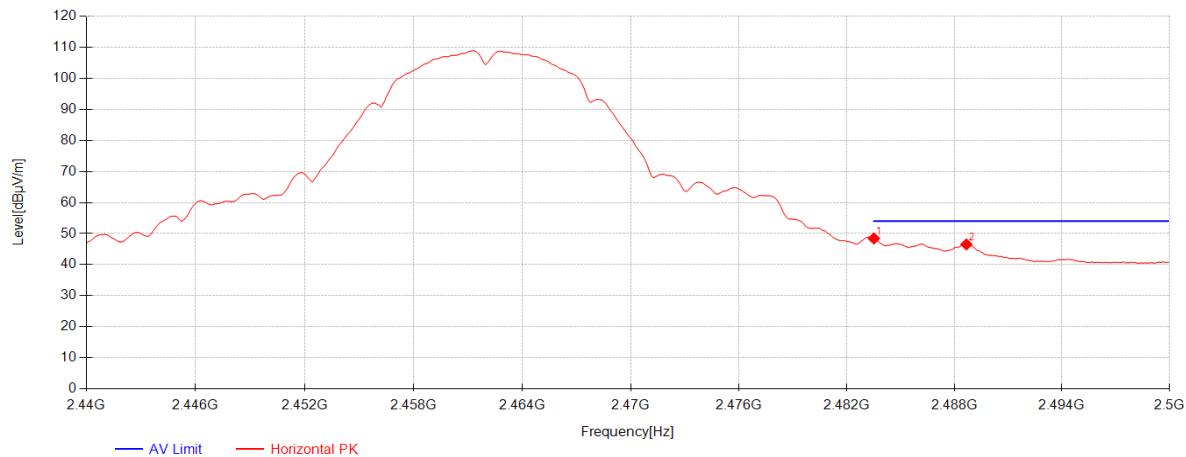
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2360.18	29.88	27.28	-17.59	39.57	54.00	14.43	Vertical
2	2385.27	35.17	27.23	-17.57	44.83	54.00	9.17	Vertical

11b_TX_CH_11_Horizontal_Peak



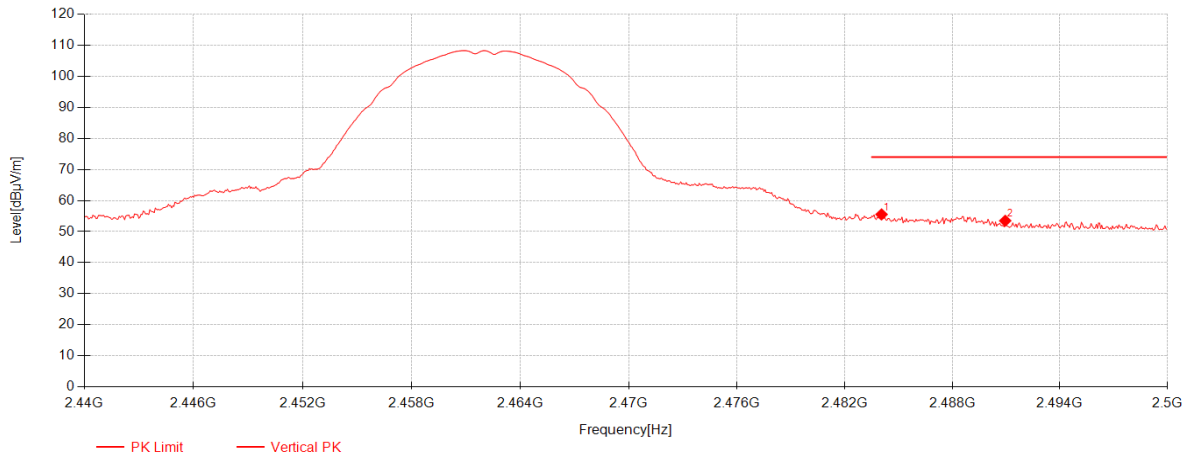
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.74	47.62	27.63	-17.55	57.70	74.00	16.30	Horizontal
2	2489.2	45.25	27.66	-17.55	55.36	74.00	18.64	Horizontal

11b_TX_CH_11_Horizontal_Average



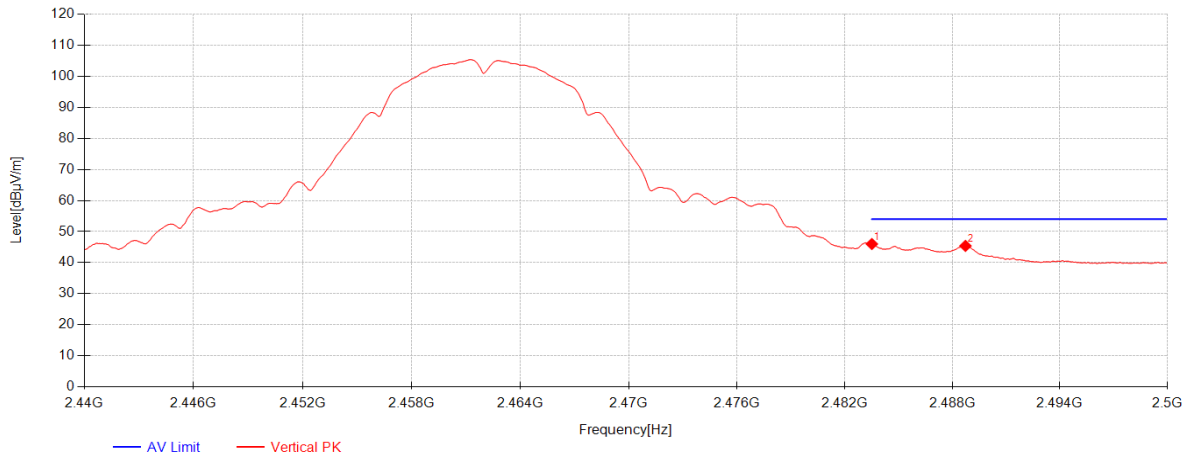
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	38.37	27.63	-17.55	48.45	54.00	5.55	Horizontal
2	2488.66	36.42	27.65	-17.55	46.52	54.00	7.48	Horizontal

11b_TX_CH_11_Vertical_Peak



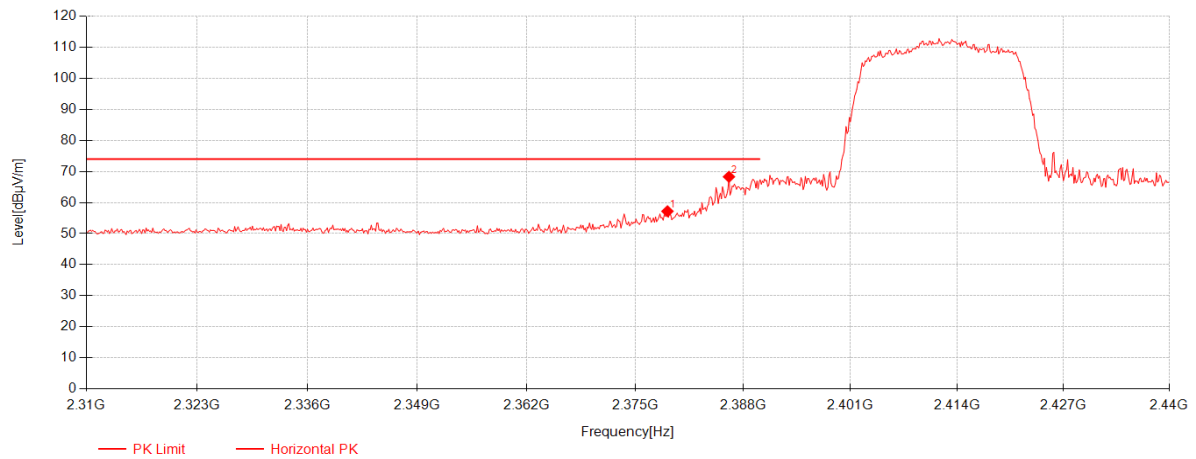
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.04	45.45	27.64	-17.55	55.54	74.00	18.46	Vertical
2	2490.94	43.38	27.66	-17.55	53.49	74.00	20.51	Vertical

11b_TX_CH_11_Vertical_Average



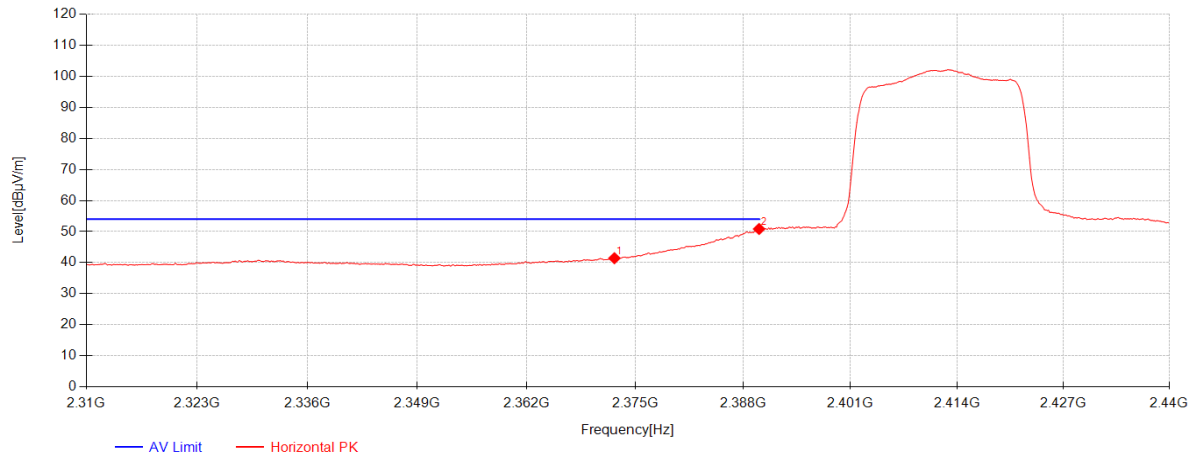
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	35.92	27.63	-17.55	46.00	54.00	8.00	Vertical
2	2488.72	35.30	27.65	-17.55	45.40	54.00	8.60	Vertical

11ax(HE20)_TX_CH_01_Horizontal_Peak



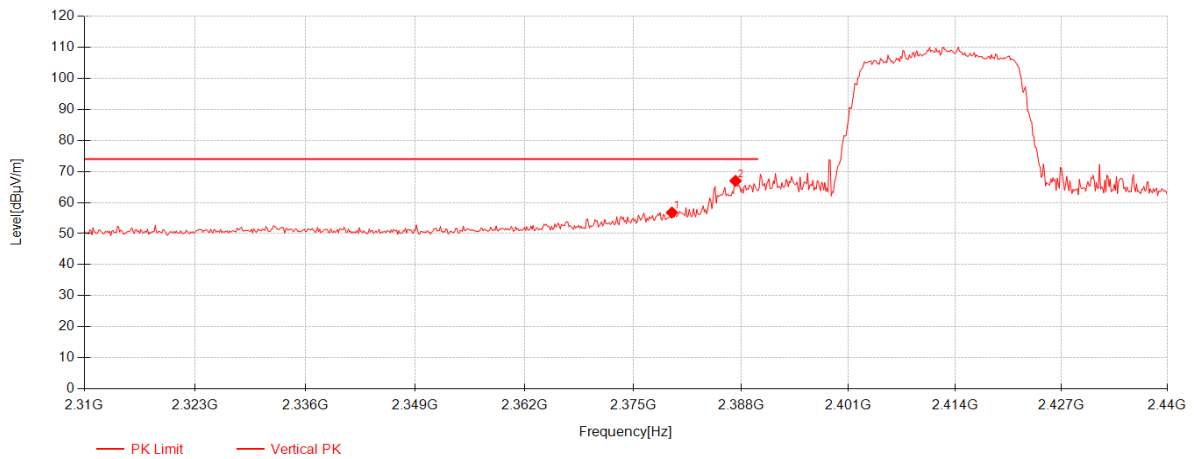
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2378.9	47.52	27.24	-17.57	57.19	74.00	16.81	Horizontal
2	2386.31	58.64	27.23	-17.57	68.30	74.00	5.70	Horizontal

11ax(HE20)_TX_CH_01_Horizontal_Average



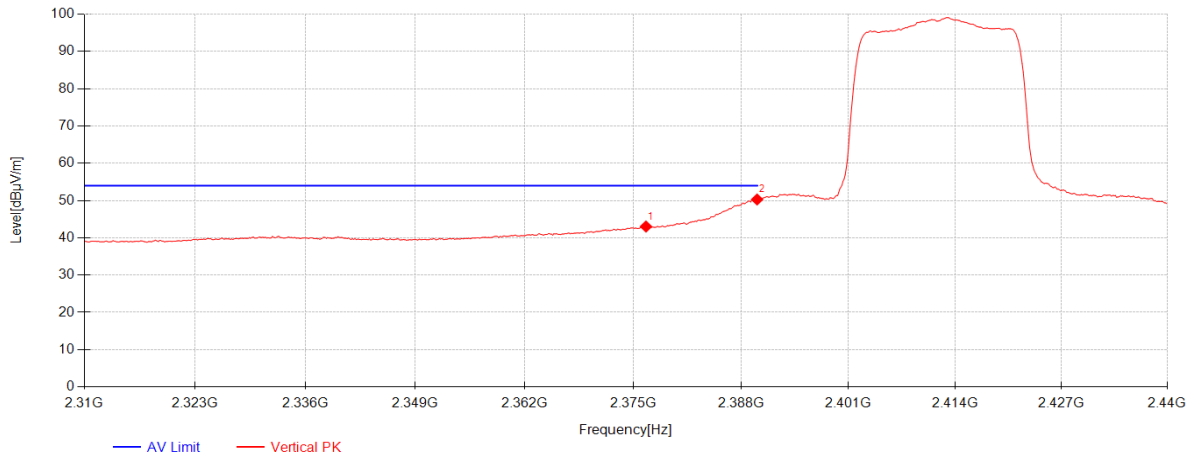
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2372.53	31.76	27.25	-17.58	41.43	54.00	12.57	Horizontal
2	2389.95	41.19	27.22	-17.56	50.85	54.00	3.15	Horizontal

11ax(HE20)_TX_CH_01_Veritical_Peak



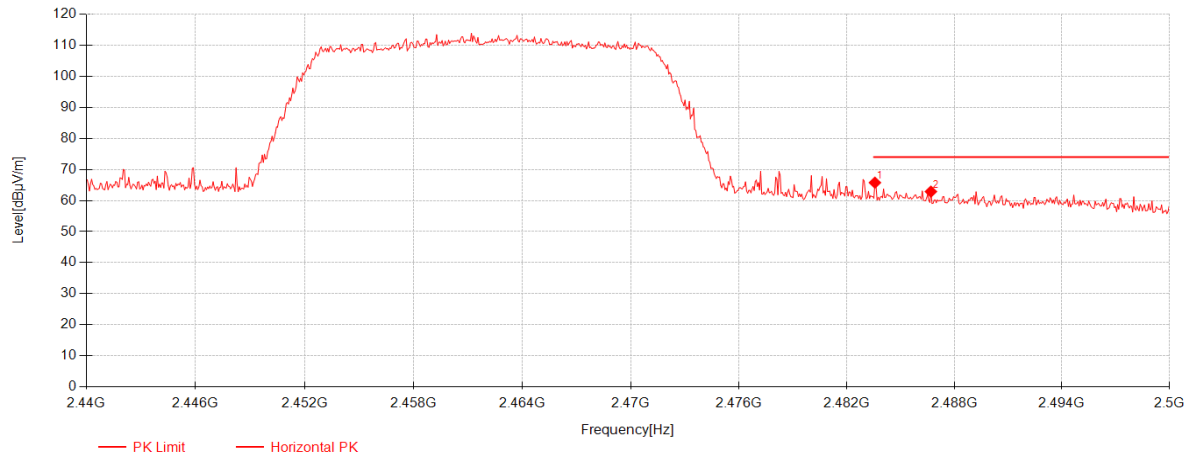
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2379.68	47.11	27.24	-17.57	56.78	74.00	17.22	Vertical
2	2387.35	57.31	27.23	-17.56	66.98	74.00	7.02	Vertical

11ax(HE20)_TX_CH_01_Veritical_Average



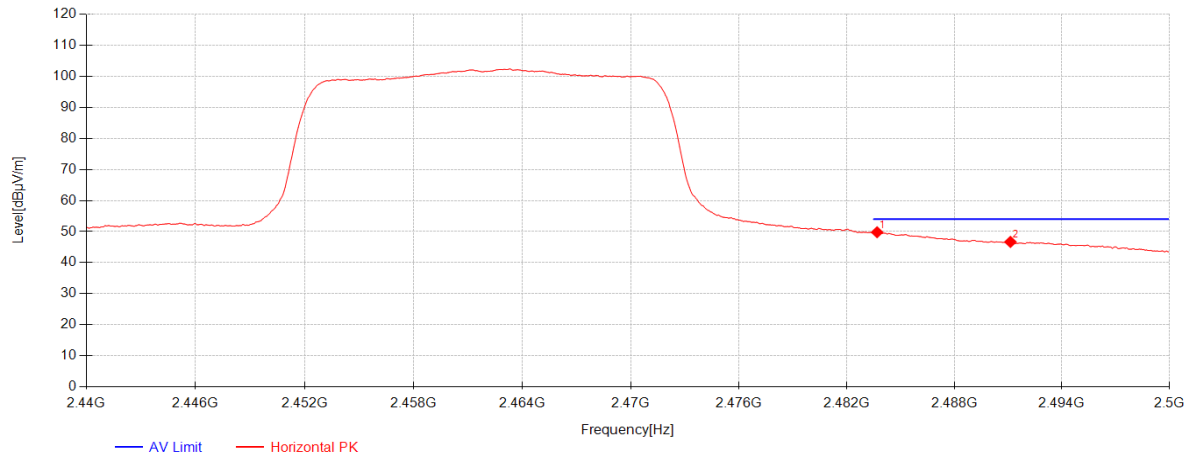
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2376.56	33.36	27.25	-17.58	43.03	54.00	10.97	Vertical
2	2389.95	40.63	27.22	-17.56	50.29	54.00	3.71	Vertical

11ax(HE20)_TX_CH_11_Horizontal_Peak



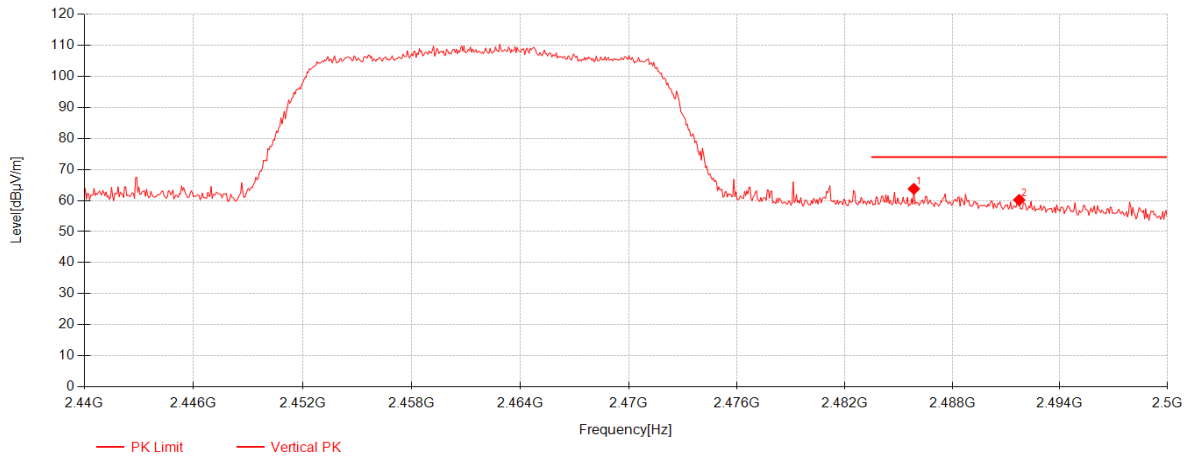
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.56	55.68	27.63	-17.55	65.76	74.00	8.24	Horizontal
2	2486.68	52.78	27.65	-17.55	62.88	74.00	11.12	Horizontal

11ax(HE20)_TX_CH_11_Horizontal_Average



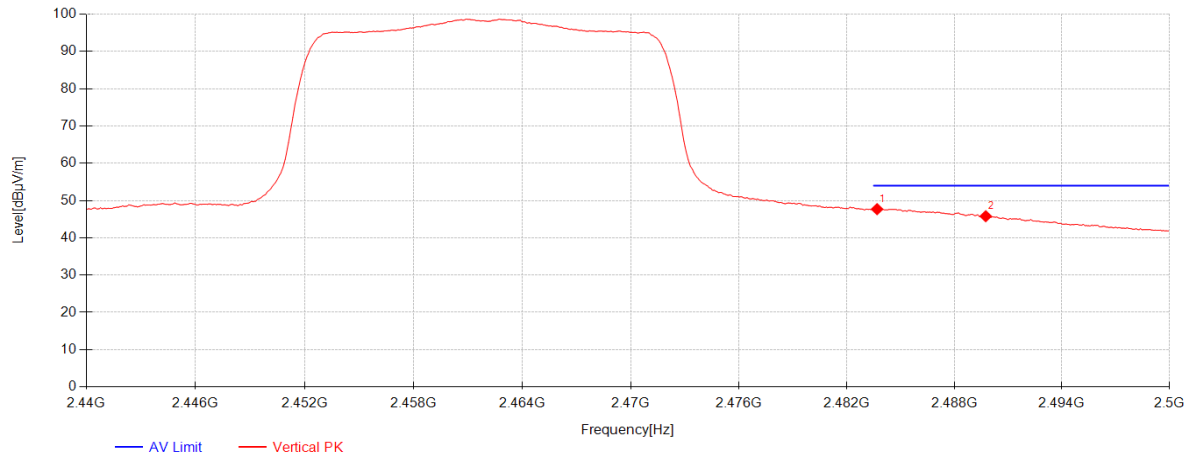
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.68	39.71	27.63	-17.55	49.79	54.00	4.21	Horizontal
2	2491.12	36.58	27.66	-17.55	46.69	54.00	7.31	Horizontal

11ax(HE20)_TX_CH_11_Veritical_Peak



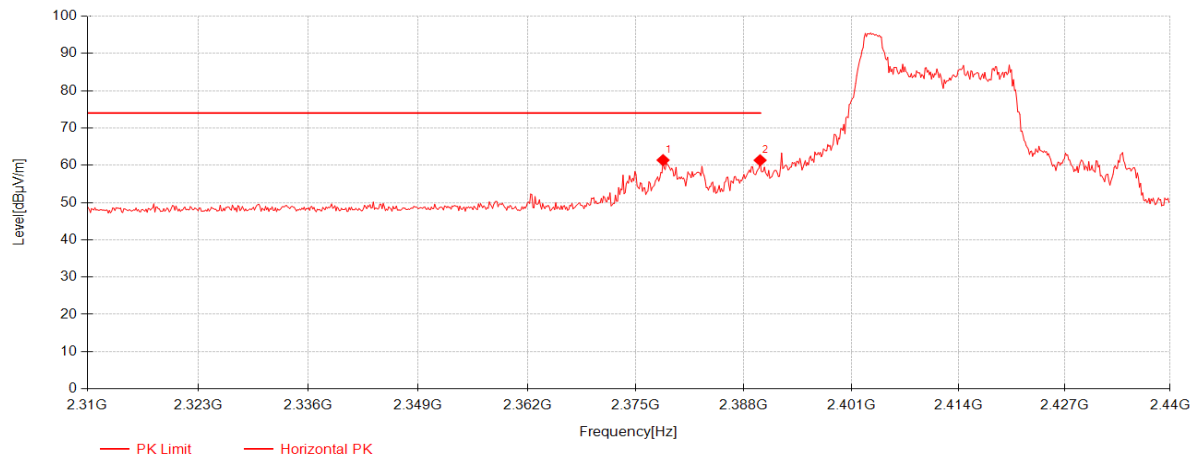
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2485.84	53.68	27.64	-17.55	63.77	74.00	10.23	Vertical
2	2491.72	50.08	27.67	-17.55	60.20	74.00	13.80	Vertical

11ax(HE20)_TX_CH_11_Veritical_Average



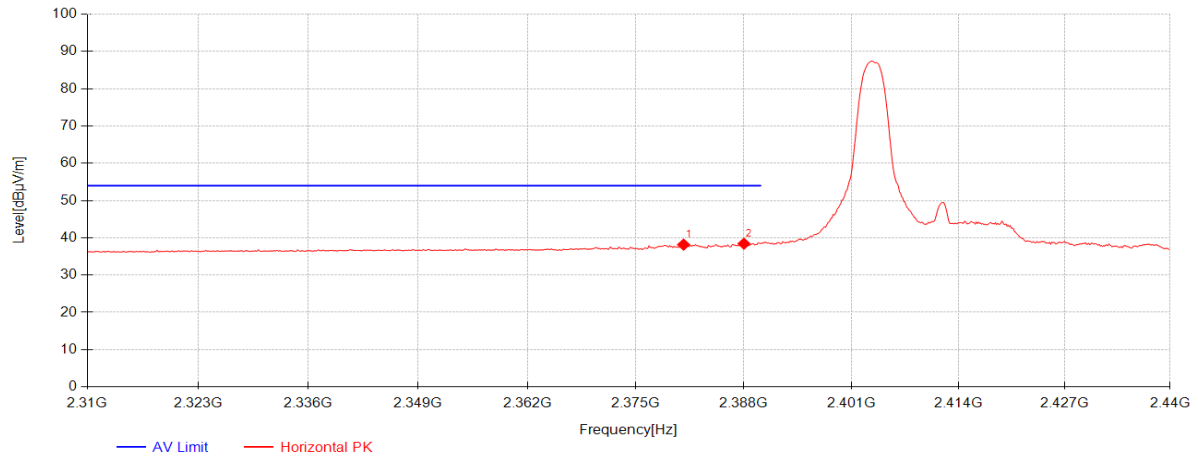
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.68	37.61	27.63	-17.55	47.69	54.00	6.31	Vertical
2	2489.74	35.68	27.66	-17.55	45.79	54.00	8.21	Vertical

11ax(HE20)_TX_RU26_Left_CH_01_Horizontal_Peak



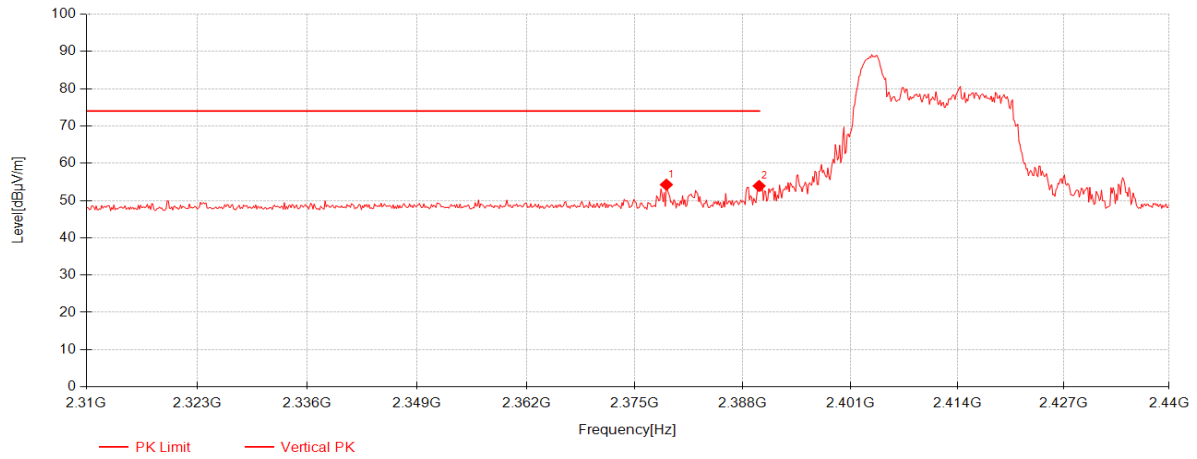
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2378.25	27.49	-17.57	61.39	74.00	12.61	Horizontal
2	2389.95	27.44	-17.56	61.35	74.00	12.65	Horizontal

11ax(HE20)_TX_RU26_Left_CH_01_Horizontal_Average



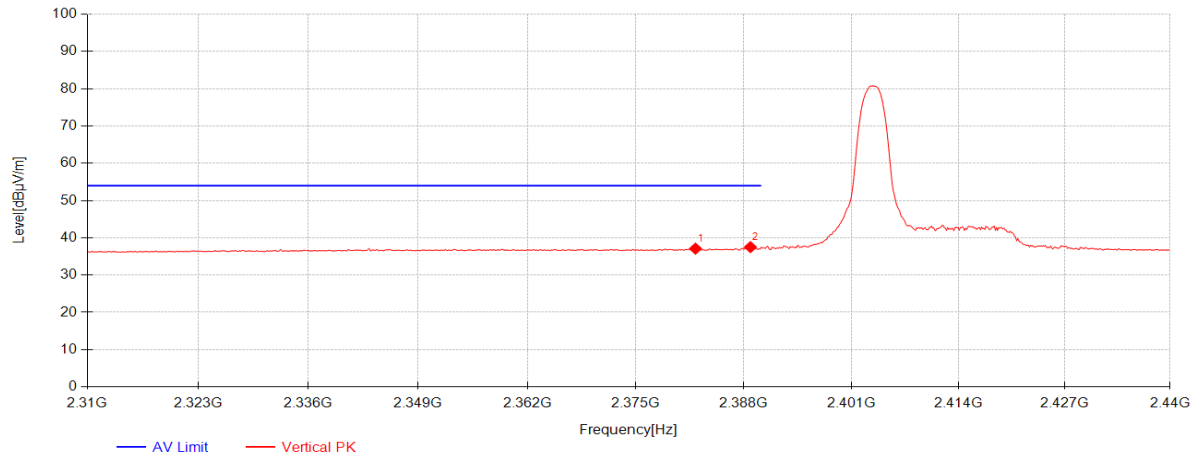
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2380.72	27.48	-17.57	38.17	54.00	15.83	Horizontal
2	2388	27.45	-17.56	38.42	54.00	15.58	Horizontal

11ax(HE20)_TX_RU26_Left_CH_01_Vertical_Peak



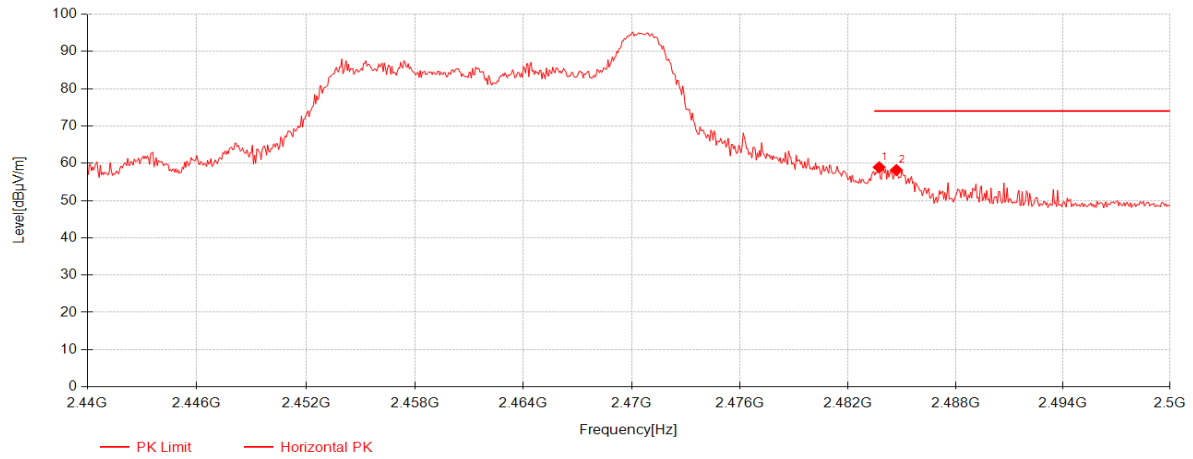
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2378.77	27.48	-17.57	54.27	74.00	19.73	Vertical
2	2389.95	27.44	-17.56	53.92	74.00	20.08	Vertical

11ax(HE20)_TX_RU26_Left_CH_01_Vertical_Average



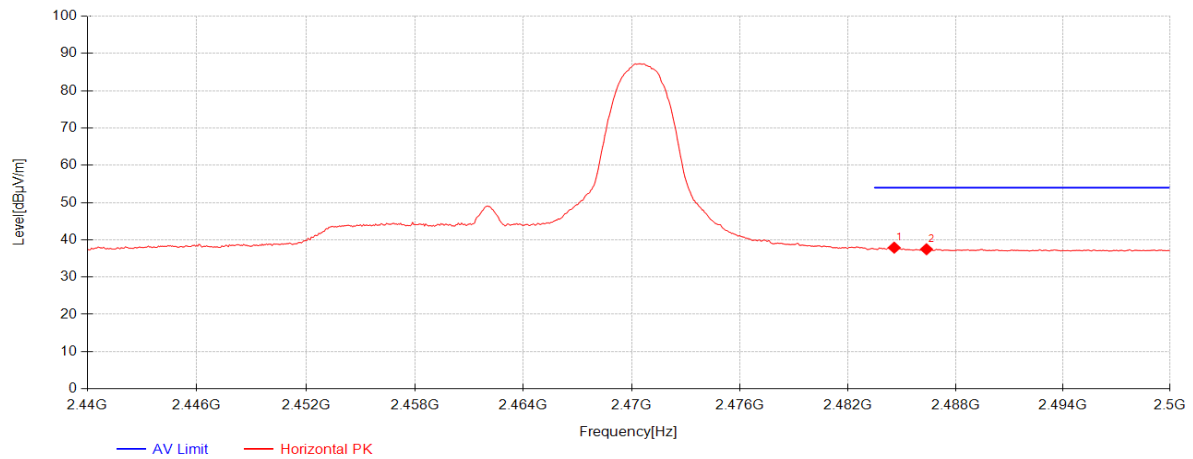
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2382.15	27.47	-17.57	37.10	54.00	16.90	Vertical
2	2388.78	27.44	-17.56	37.50	54.00	16.50	Vertical

11ax(HE20)_TX_RU26_Right_CH_11_Horizontal_Peak



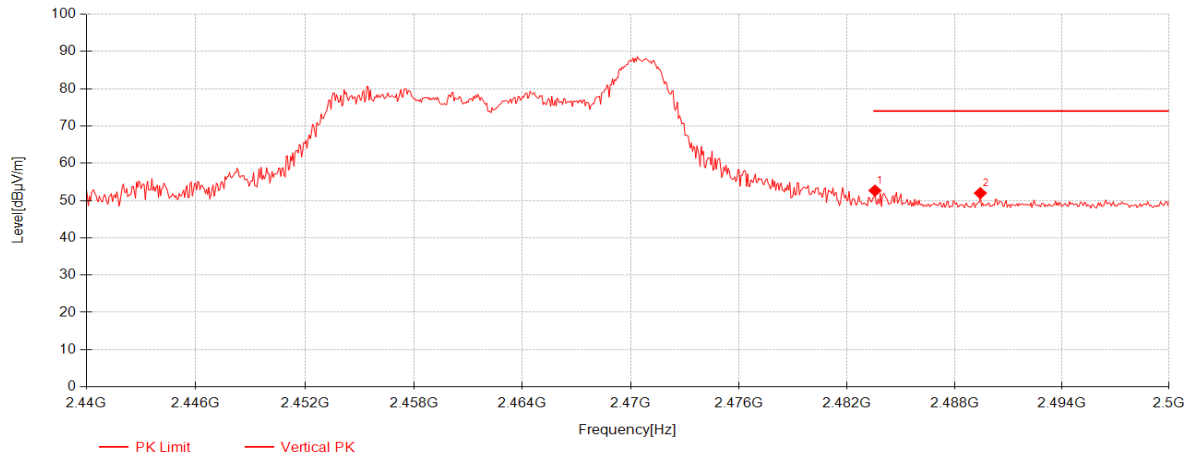
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.74	27.73	-17.55	58.93	74.00	15.07	Horizontal
2	2484.7	27.74	-17.55	58.18	74.00	15.82	Horizontal

11ax(HE20)_TX_RU26_Right_CH_11_Horizontal_Average



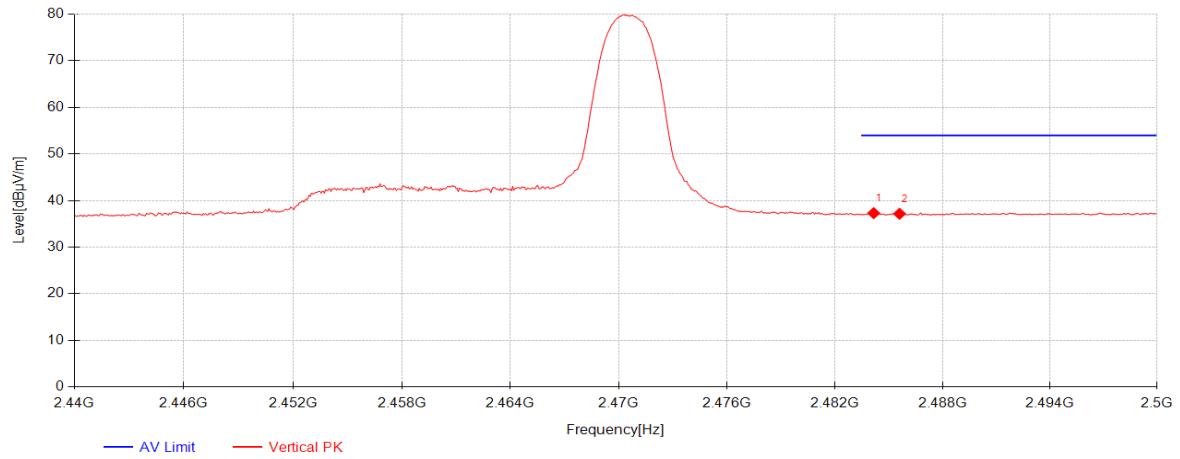
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.58	27.74	-17.55	37.89	54.00	16.11	Horizontal
2	2486.38	27.75	-17.55	37.47	54.00	16.53	Horizontal

11ax(HE20)_TX_RU26_Right_CH_11_Vertical_Peak



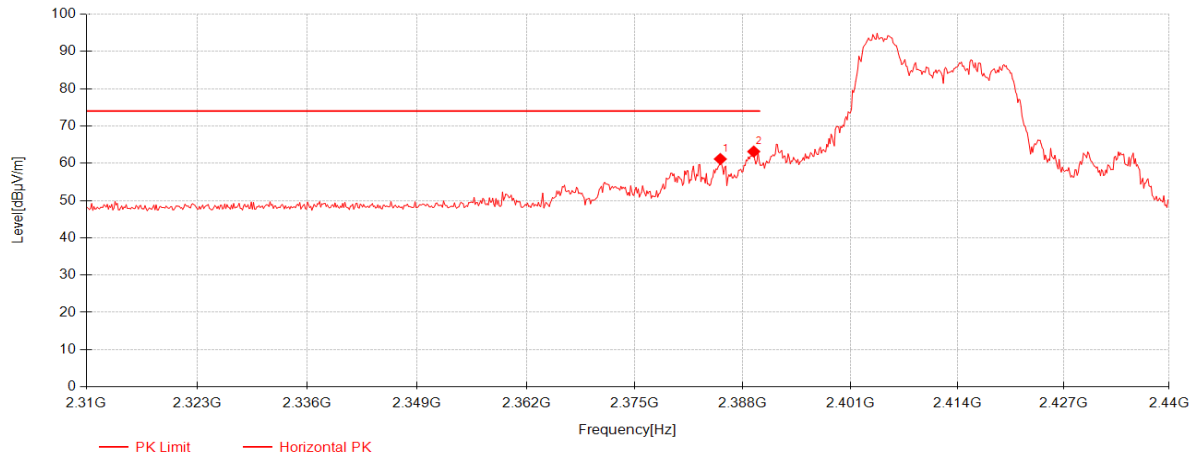
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.56	27.73	-17.55	52.67	74.00	21.33	Vertical
2	2489.44	27.76	-17.55	52.00	74.00	22.00	Vertical

11ax(HE20)_TX_RU26_Right_CH_11_Vertical_Average



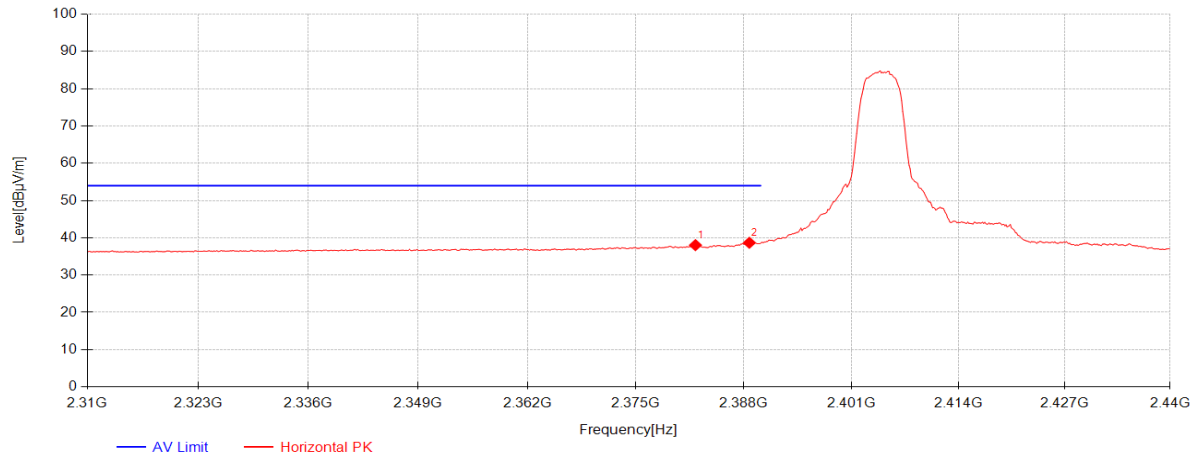
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.16	27.74	-17.55	37.30	54.00	16.70	Vertical
2	2485.6	27.74	-17.55	37.16	54.00	16.84	Vertical

11ax(HE20)_TX_RU52_Left_CH_01_Horizontal_Peak



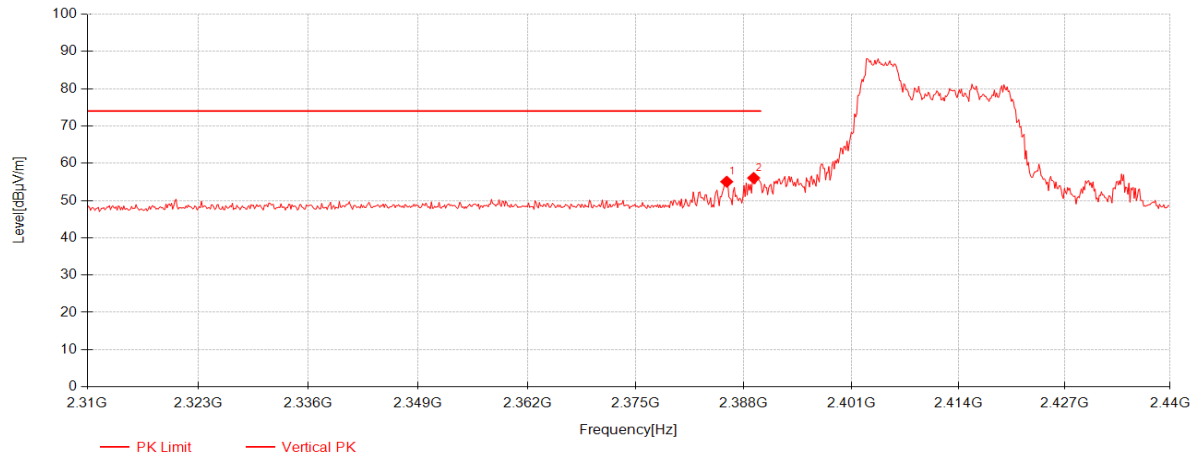
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2385.27	27.46	-17.57	61.14	74.00	12.86	Horizontal
2	2389.3	27.44	-17.56	63.14	74.00	10.86	Horizontal

11ax(HE20)_TX_RU52_Left_CH_01_Horizontal_Average



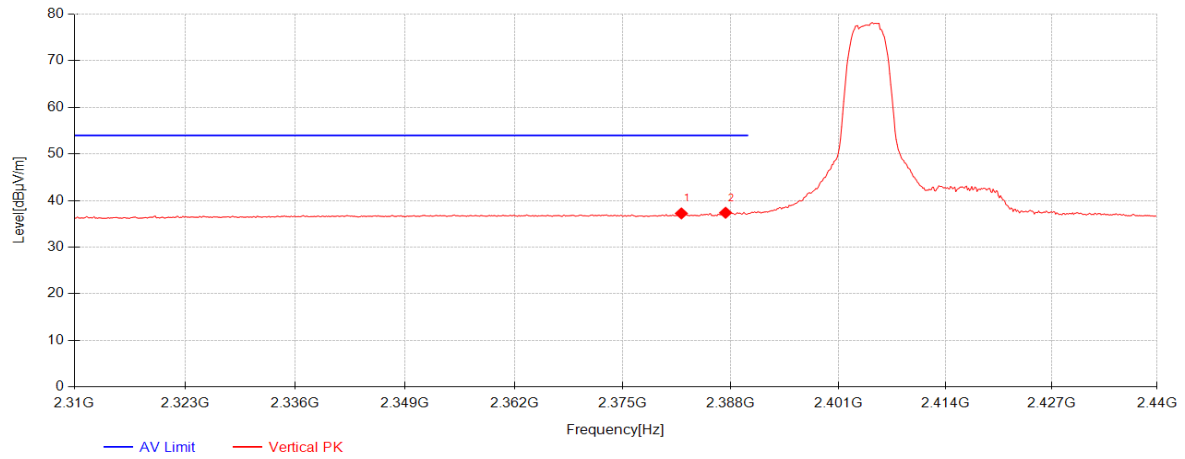
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2382.15	27.47	-17.57	38.04	54.00	15.96	Horizontal
2	2388.65	27.45	-17.56	38.67	54.00	15.33	Horizontal

11ax(HE20)_TX_RU52_Left_CH_01_Vertical_Peak



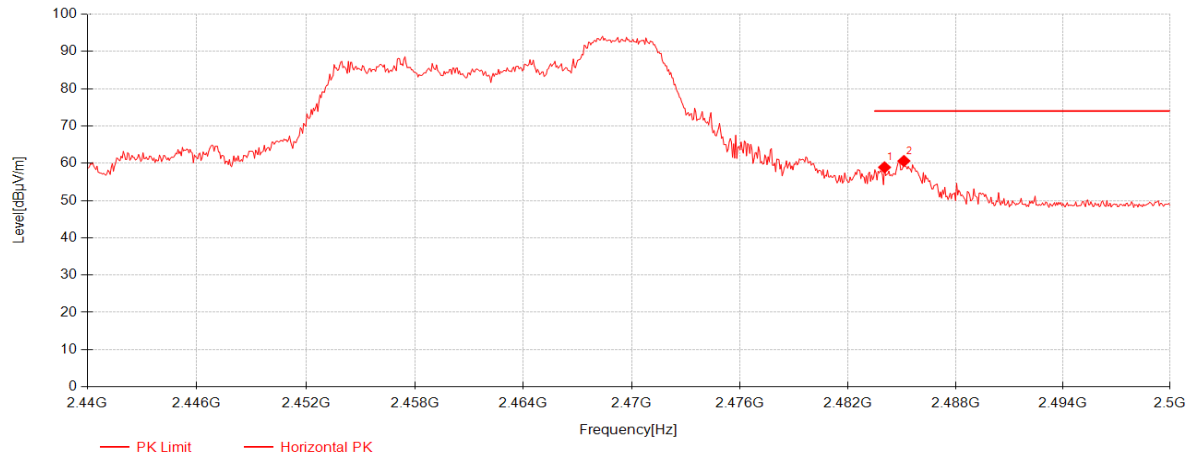
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2385.92	27.46	-17.57	55.06	74.00	18.94	Vertical
2	2389.17	27.44	-17.56	56.06	74.00	17.94	Vertical

11ax(HE20)_TX_RU52_Left_CH_01_Vertical_Average



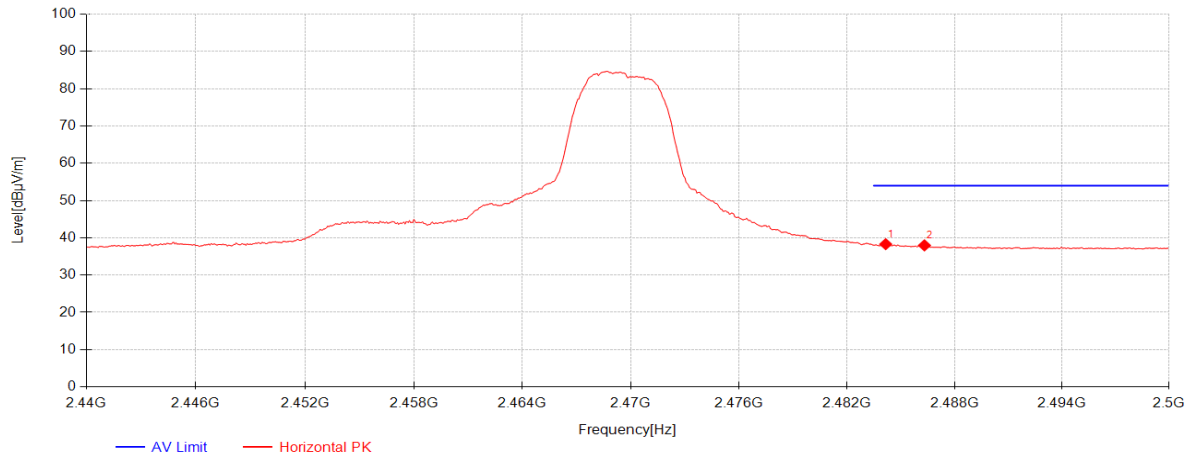
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2382.02	27.47	-17.57	37.24	54.00	16.76	Vertical
2	2387.35	27.45	-17.56	37.38	54.00	16.62	Vertical

11ax(HE20)_TX_RU52_Right_CH_11_Horizontal_Peak



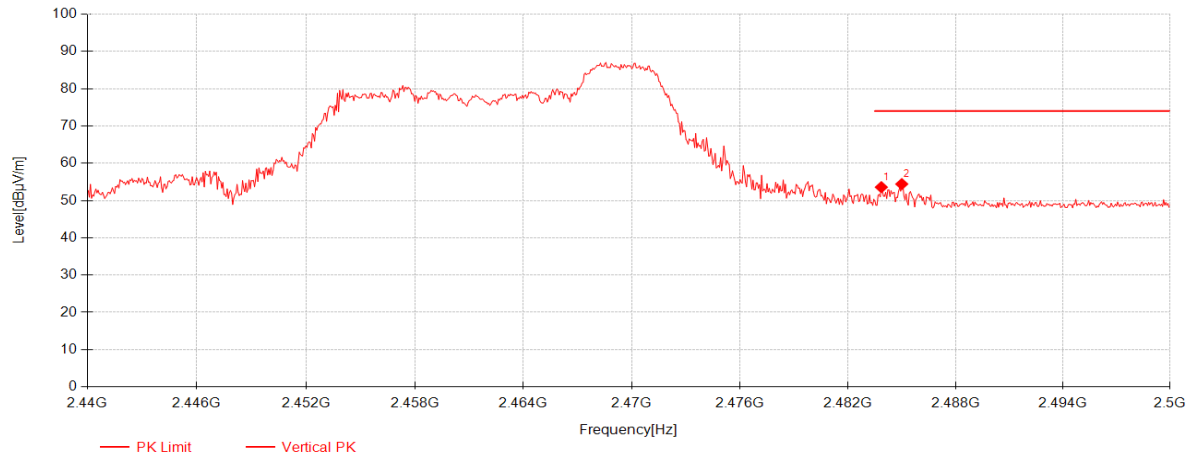
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.04	27.74	-17.55	58.91	74.00	15.09	Horizontal
2	2485.12	27.74	-17.55	60.62	74.00	13.38	Horizontal

11ax(HE20)_TX_RU52_Right_CH_11_Horizontal_Average



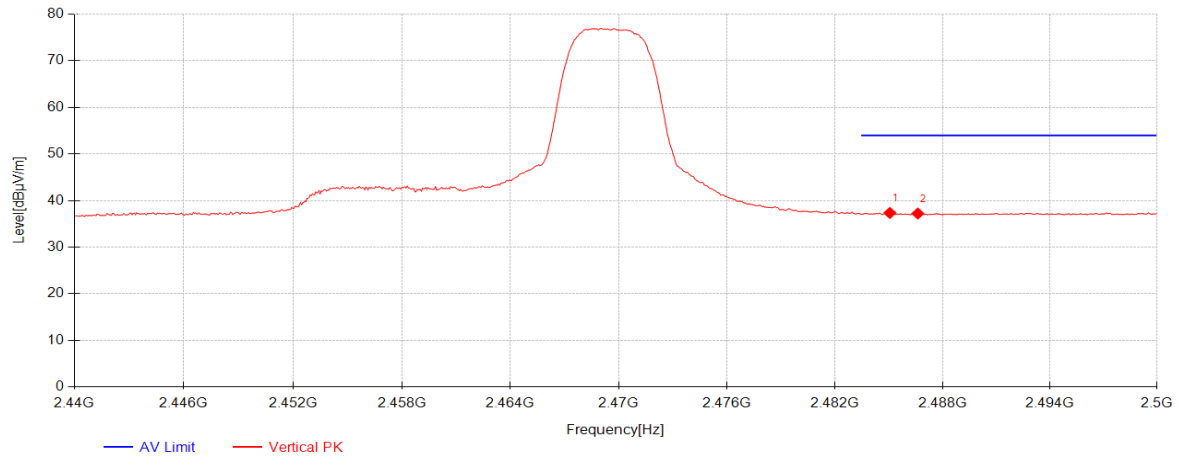
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.16	27.74	-17.55	38.29	54.00	15.71	Horizontal
2	2486.32	27.75	-17.55	37.97	54.00	16.03	Horizontal

11ax(HE20)_TX_RU52_Right_CH_11_Vertical_Peak



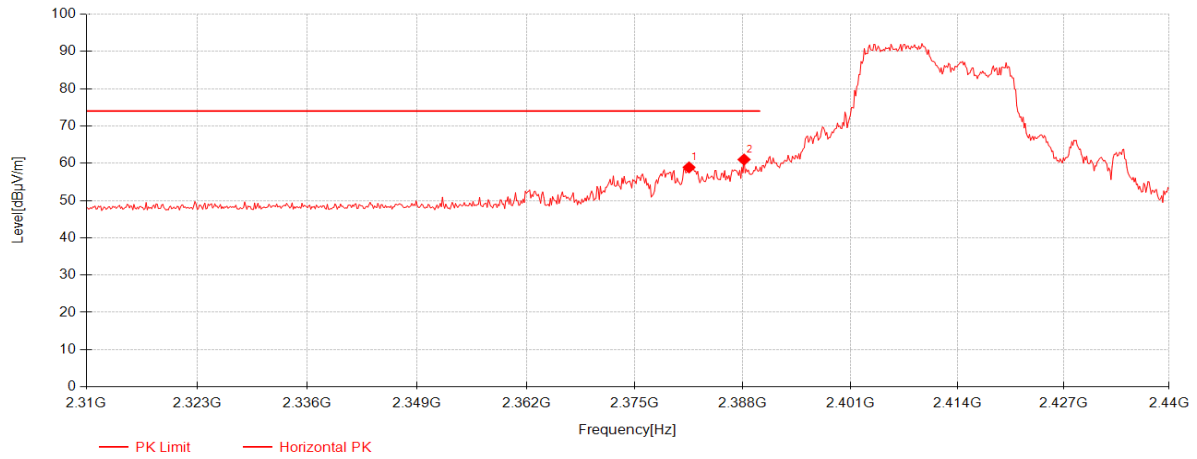
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.86	27.74	-17.55	53.59	74.00	20.41	Vertical
2	2485	27.74	-17.55	54.43	74.00	19.57	Vertical

11ax(HE20)_TX_RU52_Right_CH_11_Vertical_Average



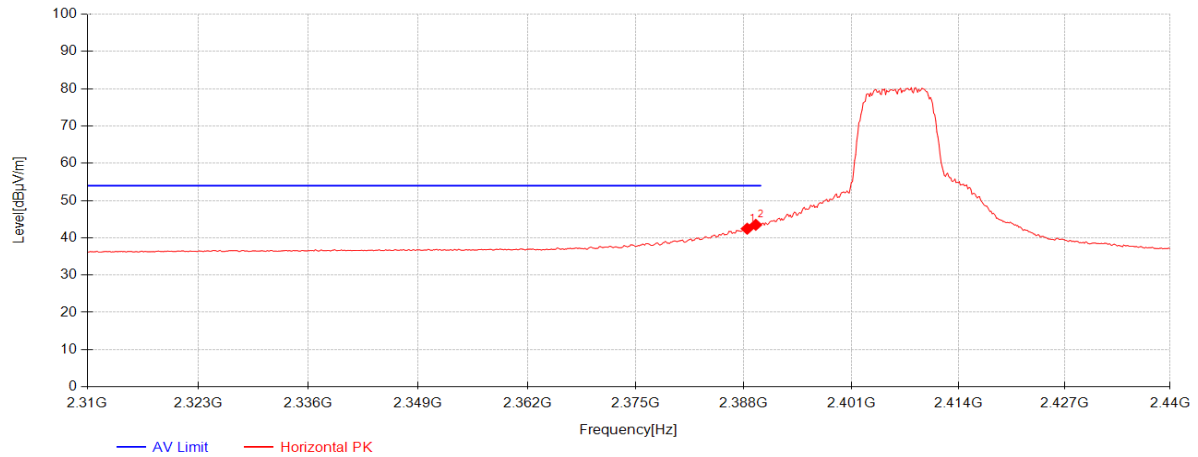
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2485.06	27.74	-17.55	37.34	54.00	16.66	Vertical
2	2486.62	27.75	-17.55	37.21	54.00	16.79	Vertical

11ax(HE20)_TX_RU106_Left_CH_01_Horizontal_Peak



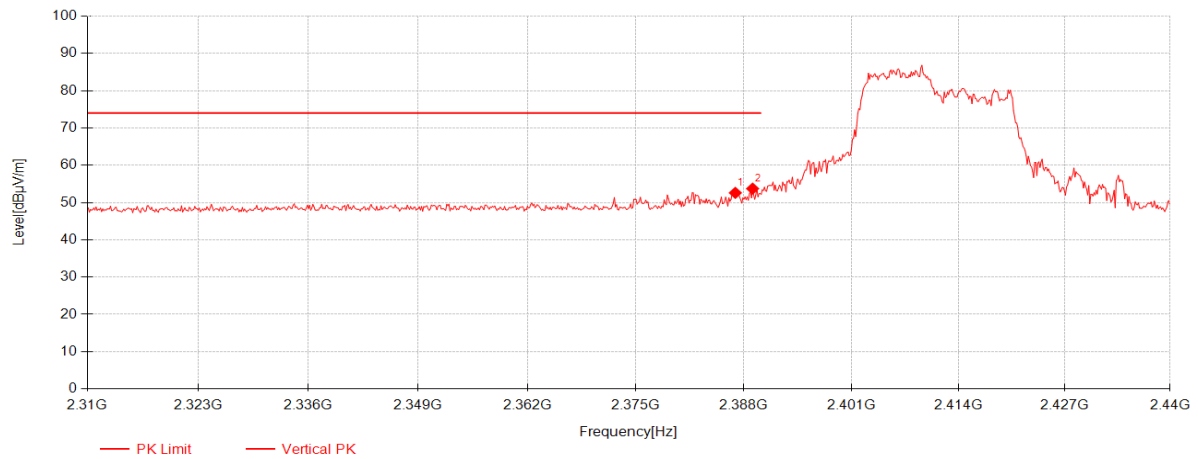
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2381.5	27.47	-17.57	58.89	74.00	15.11	Horizontal
2	2388.13	27.45	-17.56	61.00	74.00	13.00	Horizontal

11ax(HE20)_TX_RU106_Left_CH_01_Horizontal_Average



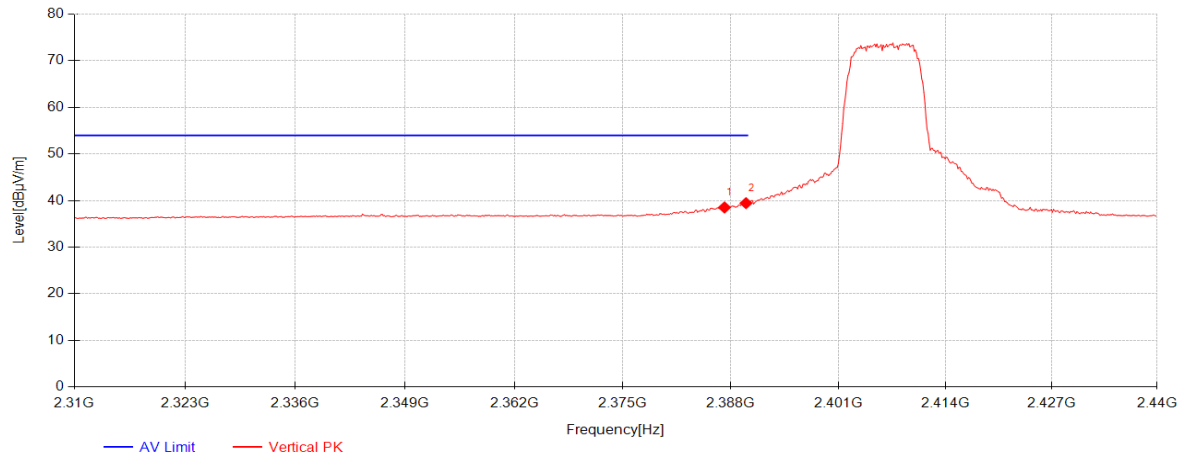
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.39	27.45	-17.56	42.44	54.00	11.56	Horizontal
2	2389.43	27.44	-17.56	43.49	54.00	10.51	Horizontal

11ax(HE20)_TX_RU106_Left_CH_01_Vertical_Peak



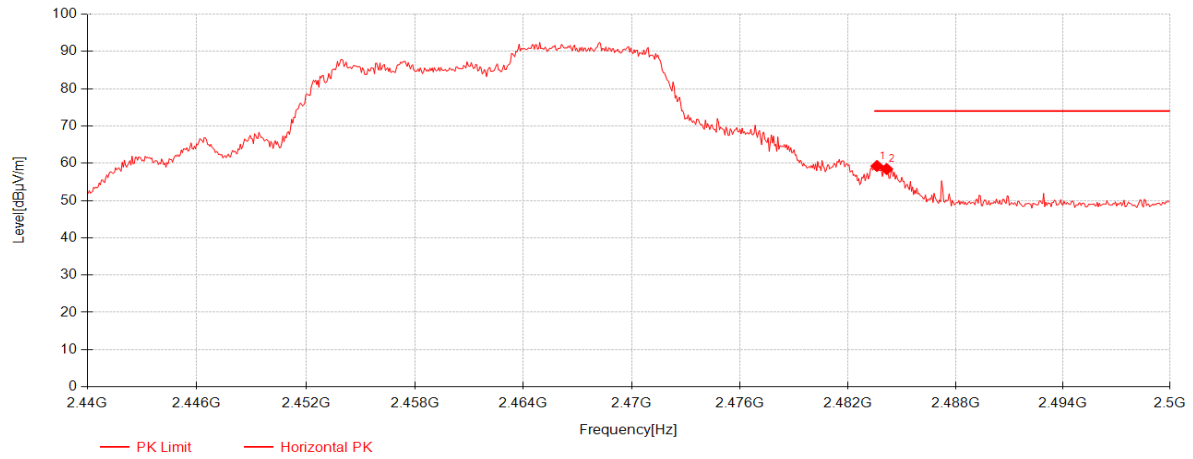
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.96	27.45	-17.56	52.60	74.00	21.40	Vertical
2	2389.04	27.44	-17.56	53.73	74.00	20.27	Vertical

11ax(HE20)_TX_RU106_Left_CH_01_Vertical_Average



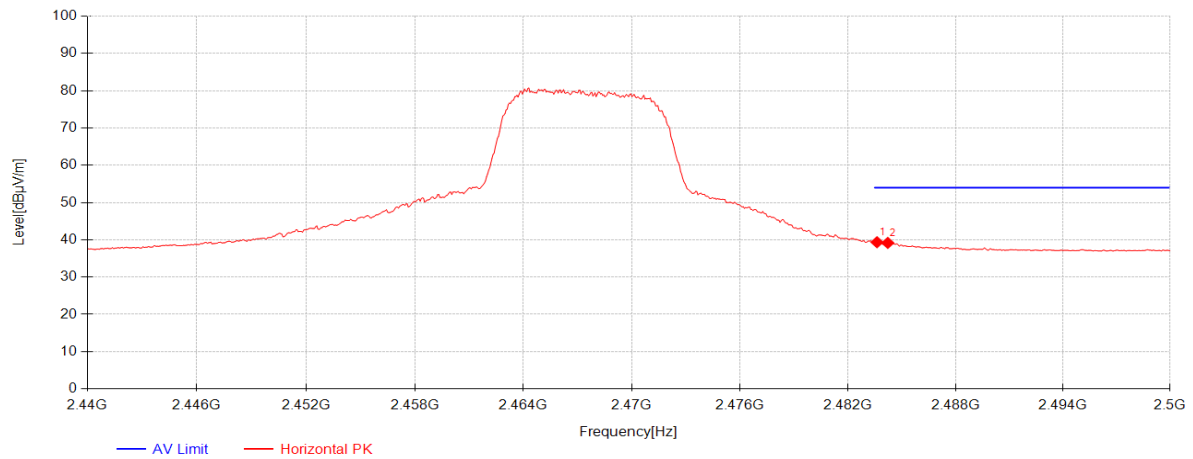
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.22	27.45	-17.56	38.51	54.00	15.49	Vertical
2	2389.82	27.44	-17.56	39.44	54.00	14.56	Vertical

11ax(HE20)_TX_RU106_Right_CH_11_Horizontal_Peak



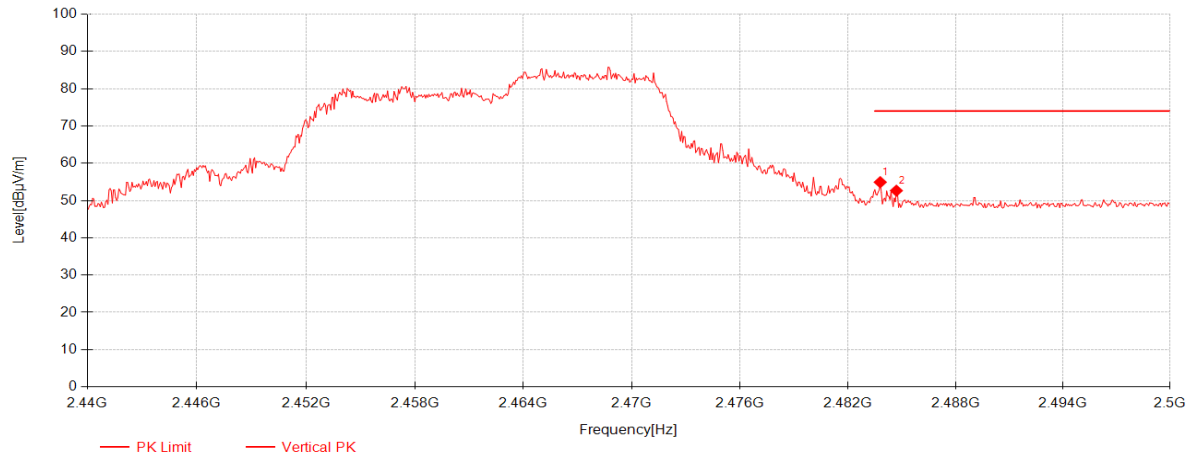
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.62	27.73	-17.55	59.27	74.00	14.73	Horizontal
2	2484.16	27.74	-17.55	58.45	74.00	15.55	Horizontal

11ax(HE20)_TX_RU106_Right_CH_11_Horizontal_Average



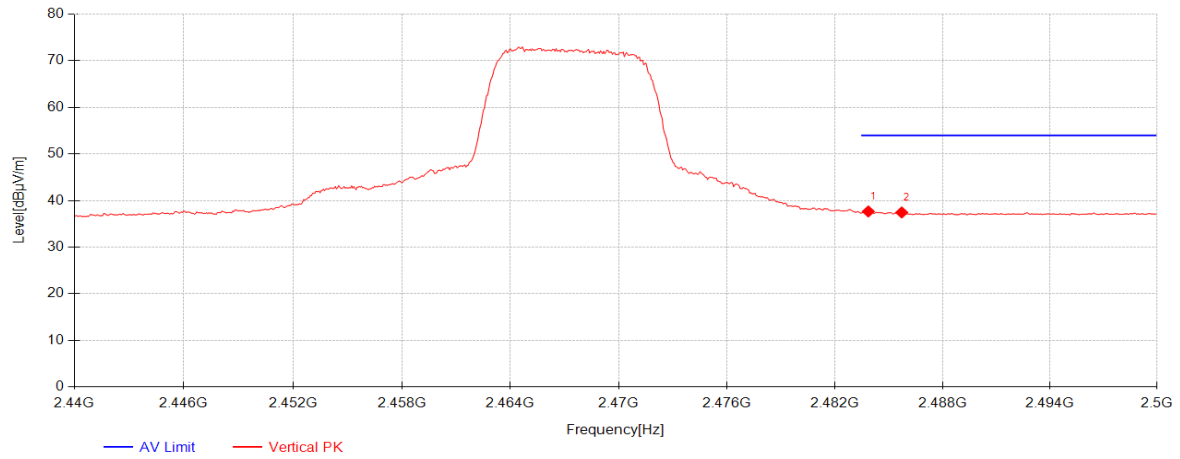
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.62	27.73	-17.55	39.36	54.00	14.64	Horizontal
2	2484.22	27.74	-17.55	39.17	54.00	14.83	Horizontal

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	54.93	74.00	19.07	Vertical
2	2484.7	27.74	-17.55	52.65	74.00	21.35	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	2483.86	27.74	-17.55	37.65	54.00	16.35	Vertical
2	2485.72	27.74	-17.55	37.44	54.00	16.56	Vertical

7.2 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

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

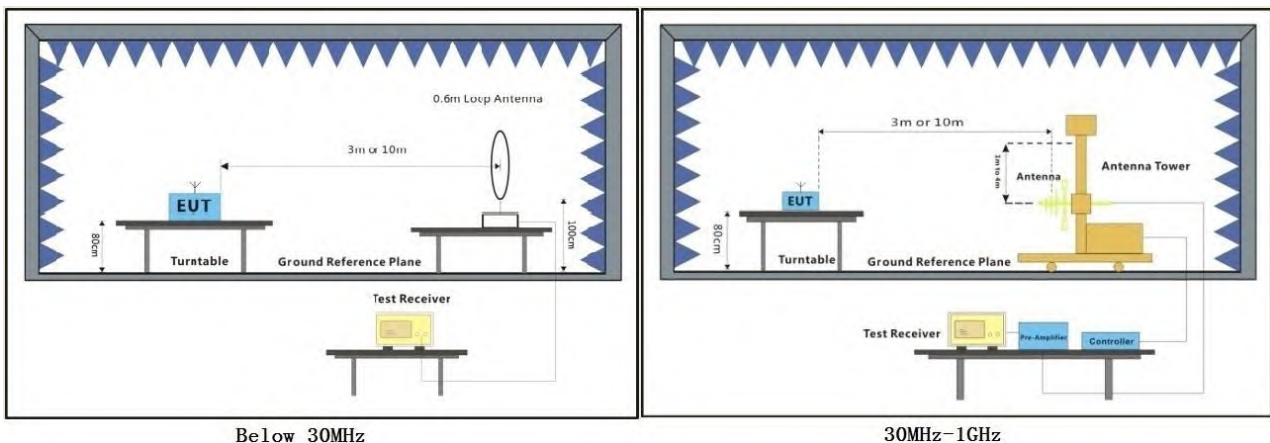
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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



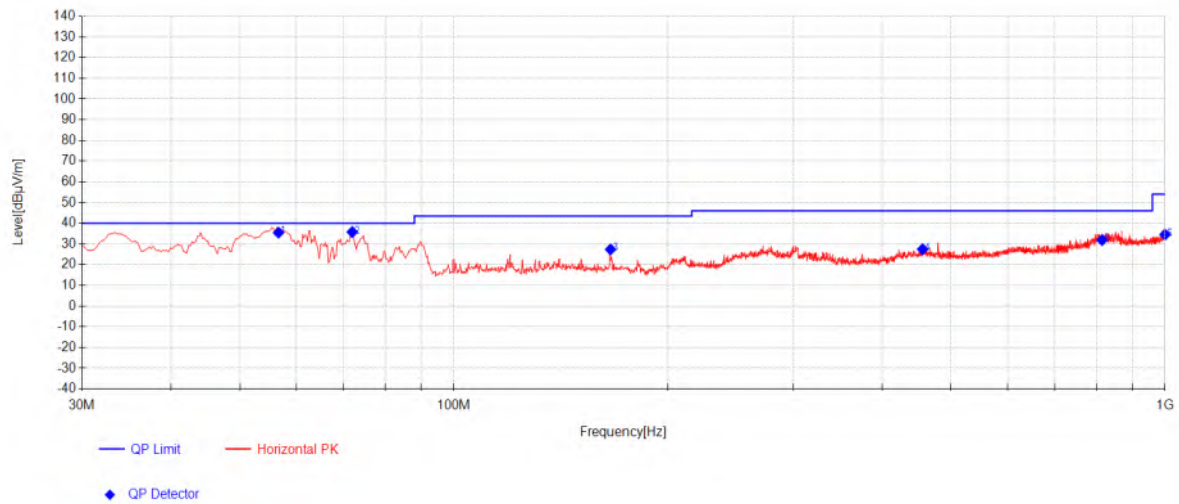
7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 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.

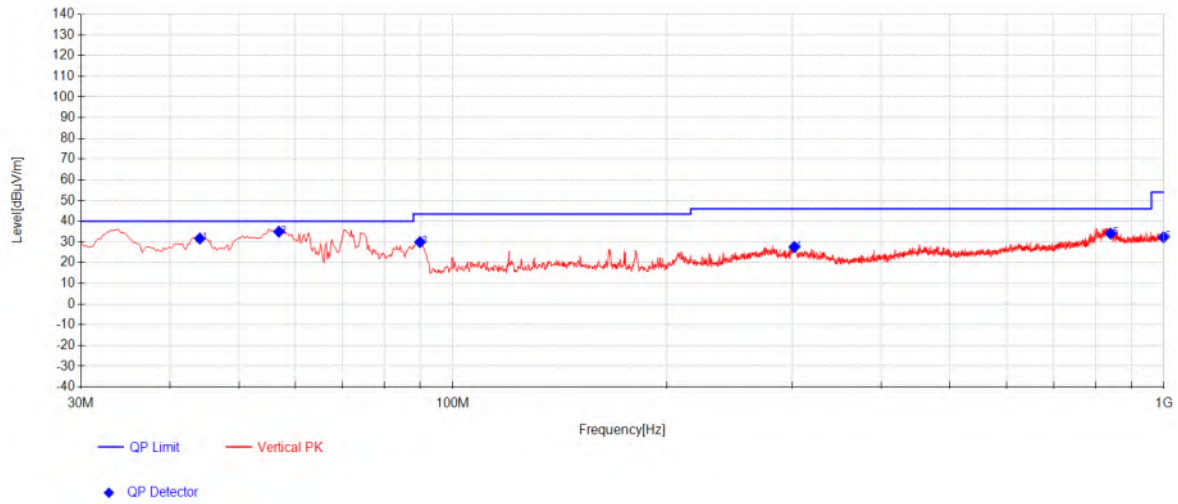
Test Mode: 07; Polarity: Horizontal



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	56.675	49.6	19.44	-33.60	35.44	40.00	4.56	111	143	Horizontal
2	71.9525	51.89	17.27	-33.40	35.76	40.00	4.24	166	214	Horizontal
3	166.0425	40.64	19.20	-32.47	27.37	43.50	16.13	162	122	Horizontal
4	456.0725	35.1	22.99	-30.64	27.46	46.00	18.54	187	41	Horizontal
5	815.4575	32.64	28.16	-28.96	31.84	46.00	14.16	159	30	Horizontal
6	1000	32.92	29.40	-27.80	34.52	54.00	19.48	136	174	Horizontal

Test Mode: 07; Polarity: Vertical



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	44.065	45.9	19.55	-33.79	31.66	40.00	8.34	115	0	Vertical
2	56.9175	48.89	19.63	-33.60	34.93	40.00	5.07	161	340	Vertical
3	89.8975	49.77	13.41	-33.26	29.92	43.50	13.58	184	228	Vertical
4	302.085	40.17	19.03	-31.61	27.59	46.00	18.41	133	328	Vertical
5	840.92	33.57	29.35	-28.88	34.04	46.00	11.96	164	32	Vertical
6	998.06	30.5	29.59	-27.82	32.27	54.00	21.73	180	299	Vertical

7.3 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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

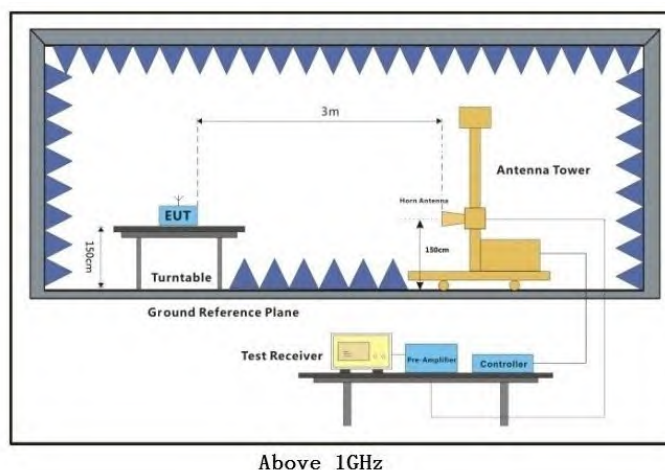
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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



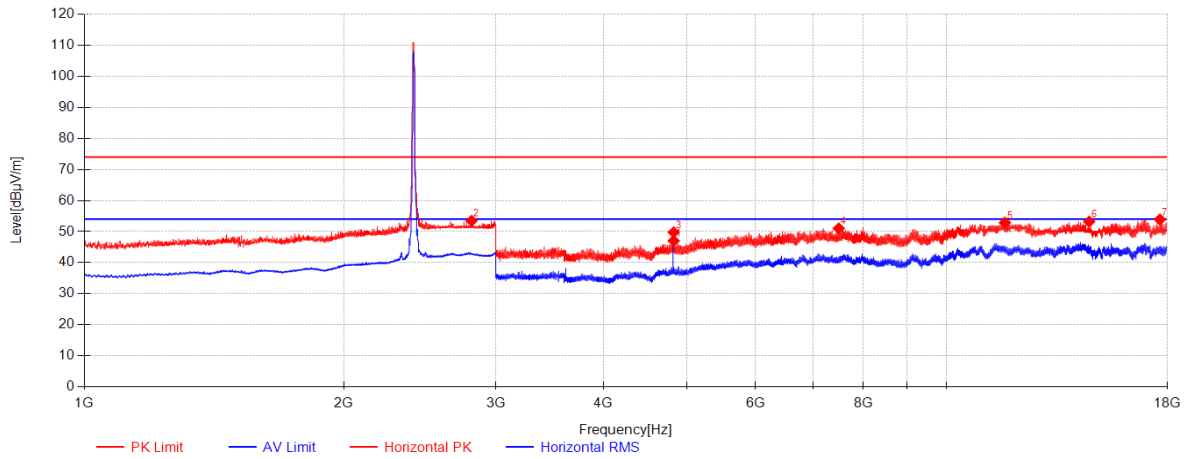
7.3.4 Measurement Procedure and Data

- a. For 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 $\leq 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

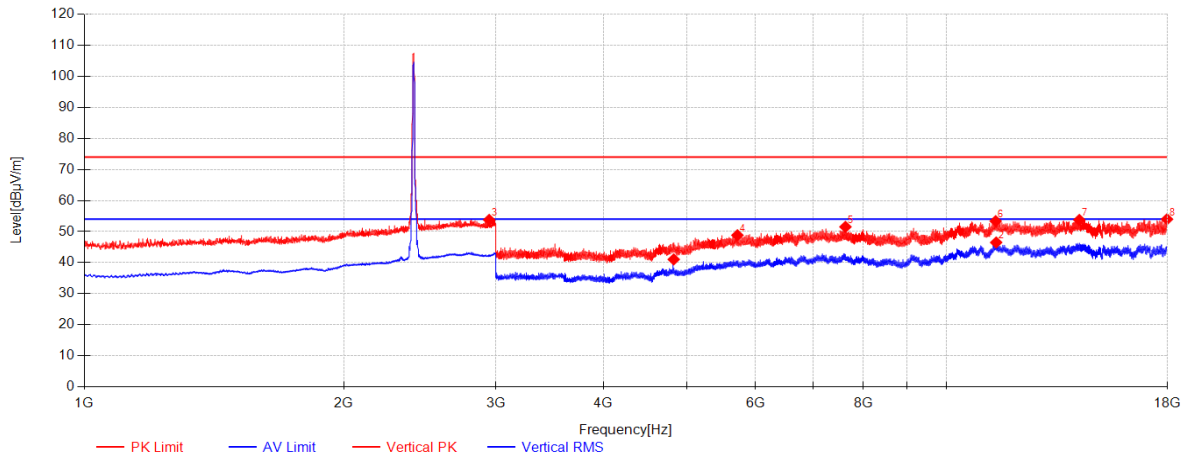
11b_TX_CH_01_Horizontal



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4824.375	58.05	31.00	-42.02	47.03	54.00	6.97	Horizontal
2	2812.5	41.53	28.53	-16.58	53.48	74.00	20.52	Horizontal
3	4824	60.80	31.00	-42.02	49.78	74.00	24.22	Horizontal
4	7493.625	54.96	36.85	-40.79	51.02	74.00	22.98	Horizontal
5	11677.875	53.01	40.29	-40.42	52.88	74.00	21.12	Horizontal
6	14621.25	51.98	41.76	-40.51	53.23	74.00	20.77	Horizontal
7	17658	52.61	44.90	-43.60	53.91	74.00	20.09	Horizontal

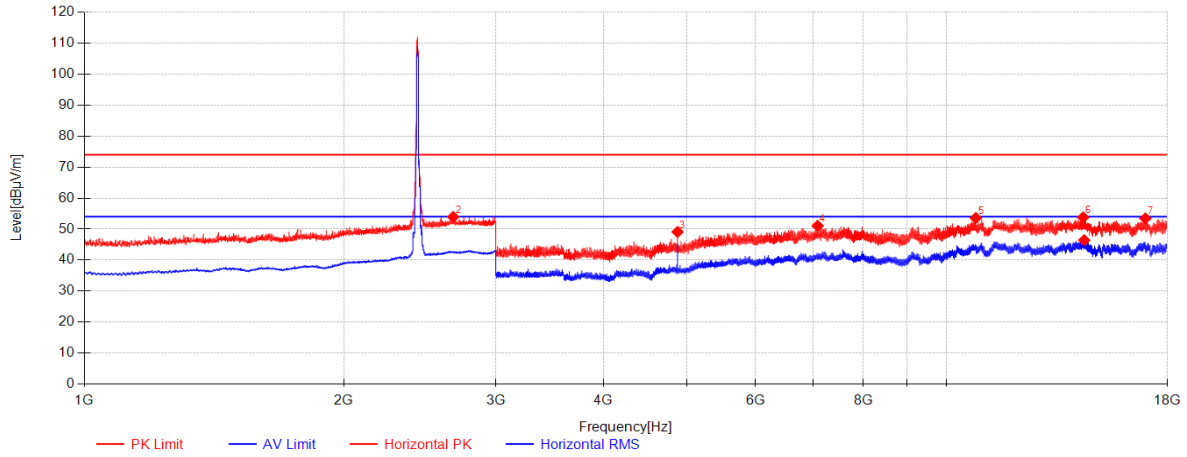
11b_TX_CH_01_Vertical



Data List

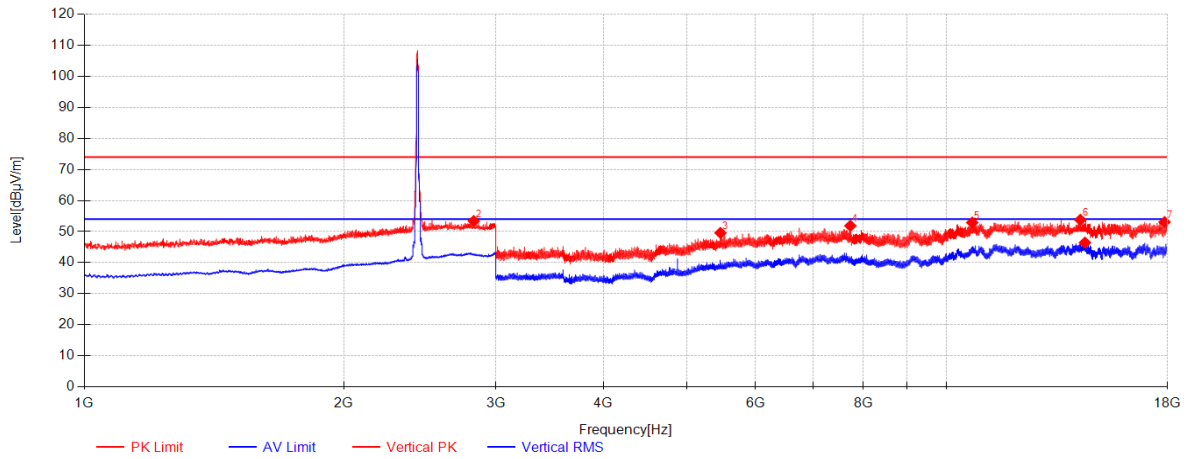
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4824.375	52.07	31.00	-42.02	41.05	54.00	12.95	Vertical
2	11407.875	46.19	40.59	-40.27	46.51	54.00	7.49	Vertical
3	2948	41.99	28.39	-16.61	53.77	74.00	20.23	Vertical
4	5718.375	56.56	32.58	-40.31	48.83	74.00	25.17	Vertical
5	7629	55.15	36.84	-40.46	51.53	74.00	22.47	Vertical
6	11392.125	53.11	40.58	-40.31	53.38	74.00	20.62	Vertical
7	14241.75	52.74	41.73	-40.70	53.77	74.00	20.23	Vertical
8	17998.125	52.17	47.87	-46.05	53.99	74.00	20.01	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	14430	45.26	41.81	-40.63	46.44	54.00	7.56	Horizontal
2	2678	42.95	28.21	-17.22	53.94	74.00	20.06	Horizontal
3	4873.875	60.04	31.04	-41.99	49.09	74.00	24.91	Horizontal
4	7084.5	55.64	36.11	-40.67	51.08	74.00	22.92	Horizontal
5	10803.375	54.62	39.32	-40.32	53.62	74.00	20.38	Horizontal
6	14388.375	52.45	41.90	-40.55	53.80	74.00	20.20	Horizontal
7	16987.5	51.81	40.94	-39.29	53.46	74.00	20.54	Horizontal

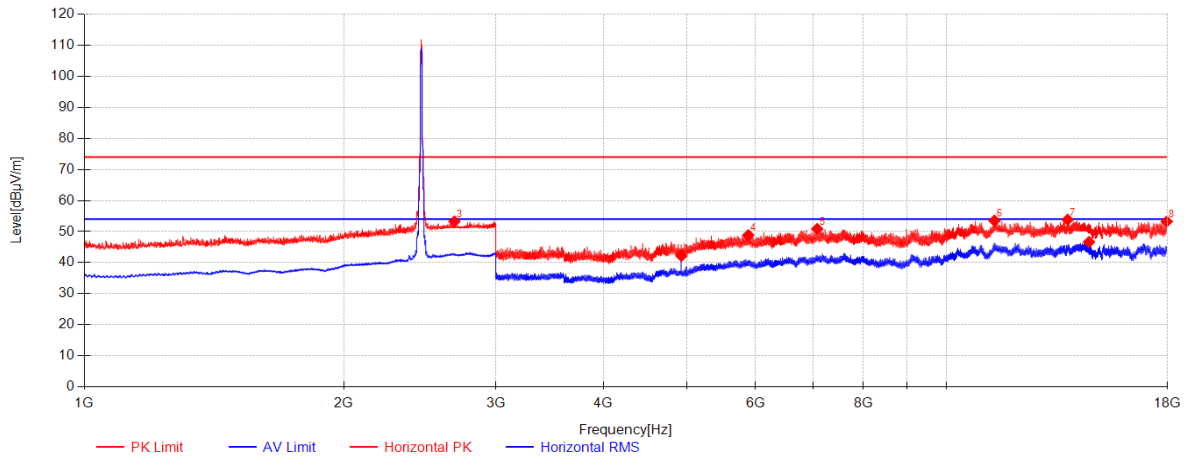
11b_TX_CH_06_Vertical



Data List

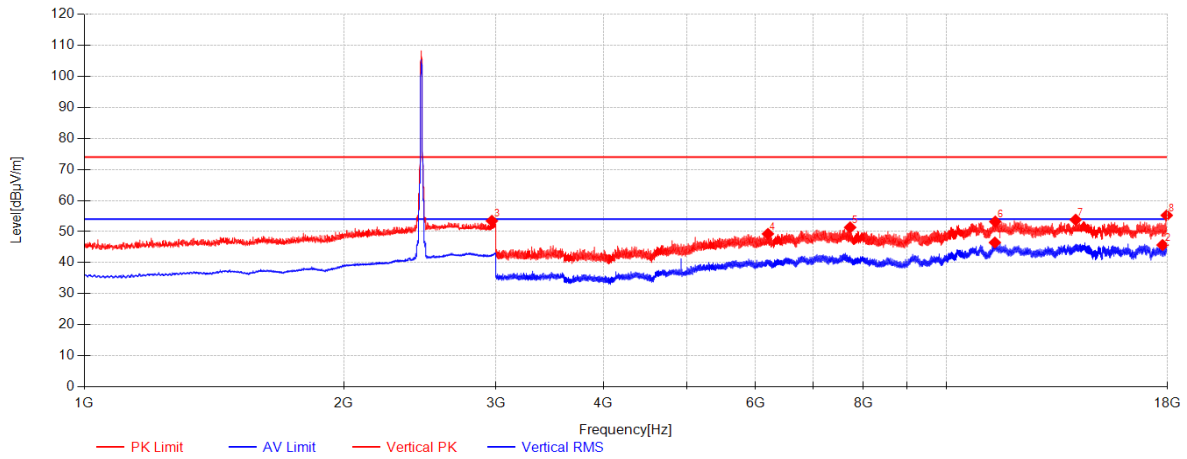
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	14455.875	45.44	41.73	-40.73	46.44	54.00	7.56	Vertical
2	2829	41.45	28.56	-16.60	53.41	74.00	20.59	Vertical
3	5465.625	57.89	32.56	-40.87	49.58	74.00	24.42	Vertical
4	7730.25	55.55	36.62	-40.31	51.86	74.00	22.14	Vertical
5	10701	53.99	39.20	-40.28	52.91	74.00	21.09	Vertical
6	14280	52.74	41.84	-40.78	53.80	74.00	20.20	Vertical
7	17878.125	52.19	45.97	-45.09	53.07	74.00	20.93	Vertical

11b_TX_CH_11_Horizontal



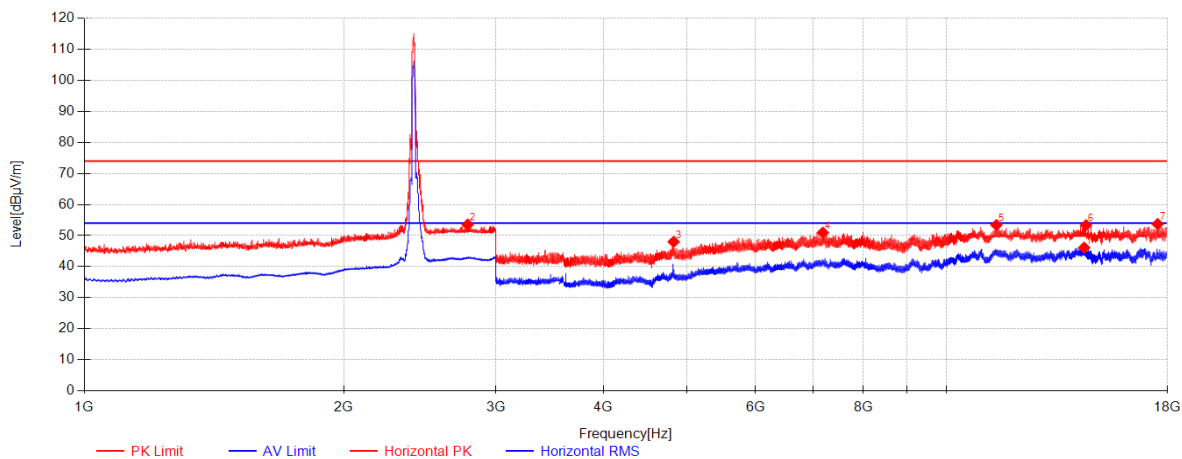
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4924.125	53.09	30.96	-41.86	42.19	54.00	11.81	Horizontal
2	14614.875	45.38	41.77	-40.50	46.65	54.00	7.35	Horizontal
3	2687	42.25	28.25	-17.22	53.28	74.00	20.72	Horizontal
4	5886.75	56.05	32.94	-40.13	48.86	74.00	25.14	Horizontal
5	7075.125	55.48	36.05	-40.67	50.86	74.00	23.14	Horizontal
6	11356.125	53.72	40.51	-40.69	53.54	74.00	20.46	Horizontal
7	13804.125	53.76	40.12	-40.03	53.85	74.00	20.15	Horizontal
8	17983.5	51.58	47.60	-45.94	53.24	74.00	20.76	Horizontal

11b_TX_CH_11_Vertical



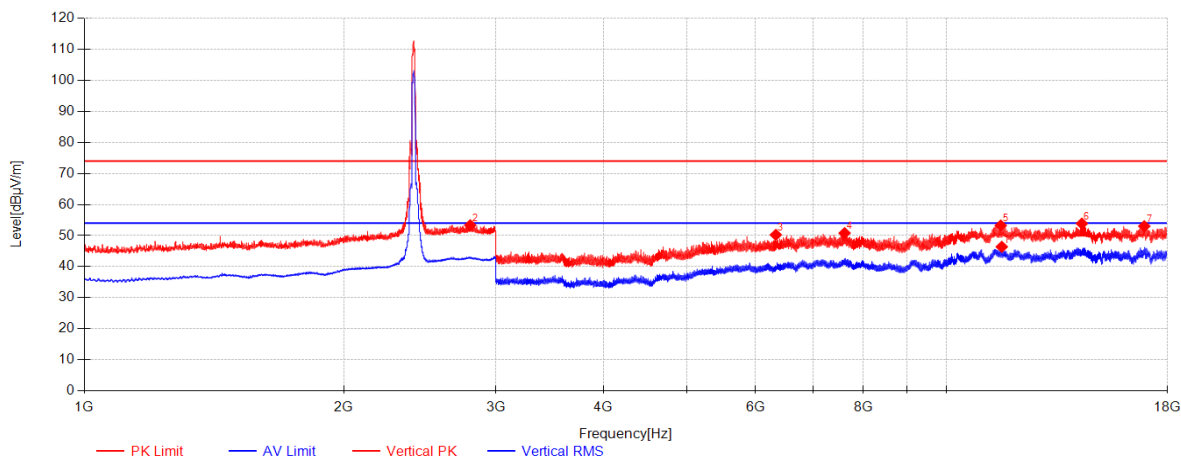
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11368.5	46.50	40.54	-40.56	46.48	54.00	7.52	Vertical
2	17784.375	44.34	45.41	-44.08	45.67	54.00	8.33	Vertical
3	2969.5	41.44	28.60	-16.58	53.46	74.00	20.54	Vertical
4	6203.25	55.83	33.78	-40.35	49.26	74.00	24.74	Vertical
5	7725.75	55.05	36.60	-40.30	51.35	74.00	22.65	Vertical
6	11380.5	53.09	40.56	-40.43	53.22	74.00	20.78	Vertical
7	14103.375	52.83	41.50	-40.51	53.82	74.00	20.18	Vertical
8	17984.25	53.56	47.62	-45.95	55.23	74.00	18.77	Vertical

11ax(HE20)_TX_CH_01_Horizontal



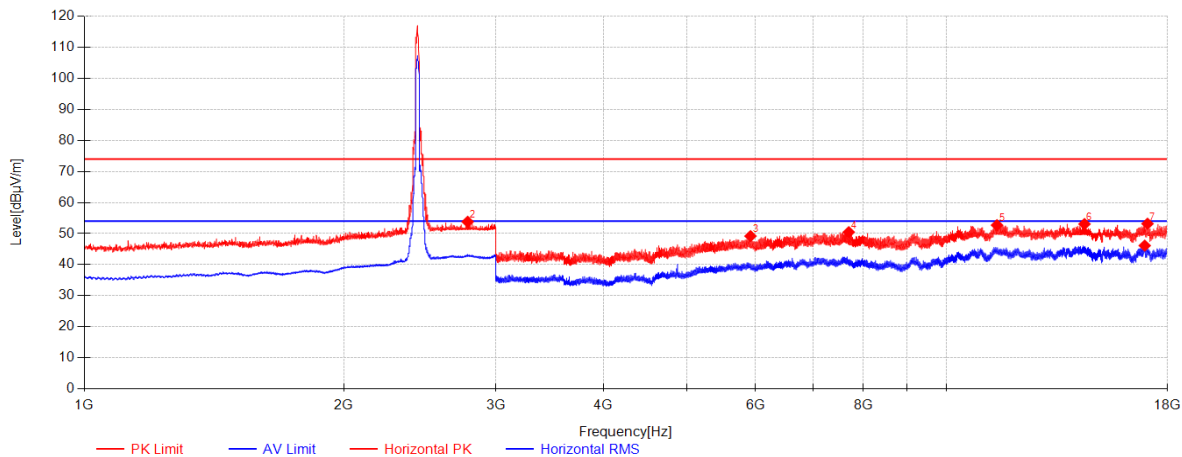
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	14426.25	44.92	41.82	-40.62	46.12	54.00	7.88	Horizontal
2	2783.5	41.75	28.47	-16.68	53.54	74.00	20.46	Horizontal
3	4824	59.02	31.00	-42.02	48.00	74.00	26.00	Horizontal
4	7183.5	55.02	36.23	-40.29	50.96	74.00	23.04	Horizontal
5	11413.5	53.12	40.59	-40.31	53.40	74.00	20.60	Horizontal
6	14500.125	52.64	41.60	-40.89	53.35	74.00	20.65	Horizontal
7	17551.875	52.49	44.71	-43.47	53.73	74.00	20.27	Horizontal

11ax(HE20)_TX_CH_01_Vertical



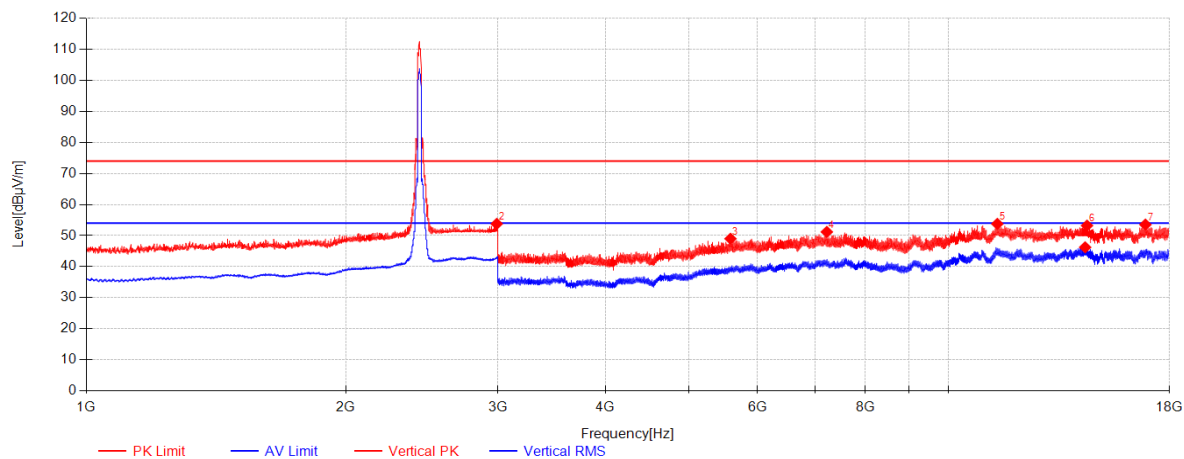
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11580	46.78	40.58	-40.96	46.40	54.00	7.60	Vertical
2	2802.5	41.41	28.51	-16.57	53.35	74.00	20.65	Vertical
3	6335.625	57.27	33.51	-40.53	50.25	74.00	23.75	Vertical
4	7611.75	54.46	36.88	-40.53	50.81	74.00	23.19	Vertical
5	11548.875	53.63	40.55	-40.93	53.25	74.00	20.75	Vertical
6	14338.875	52.68	41.90	-40.70	53.88	74.00	20.12	Vertical
7	16938.375	51.36	40.69	-39.02	53.03	74.00	20.97	Vertical

11ax(HE20)_TX_CH_06_Horizontal



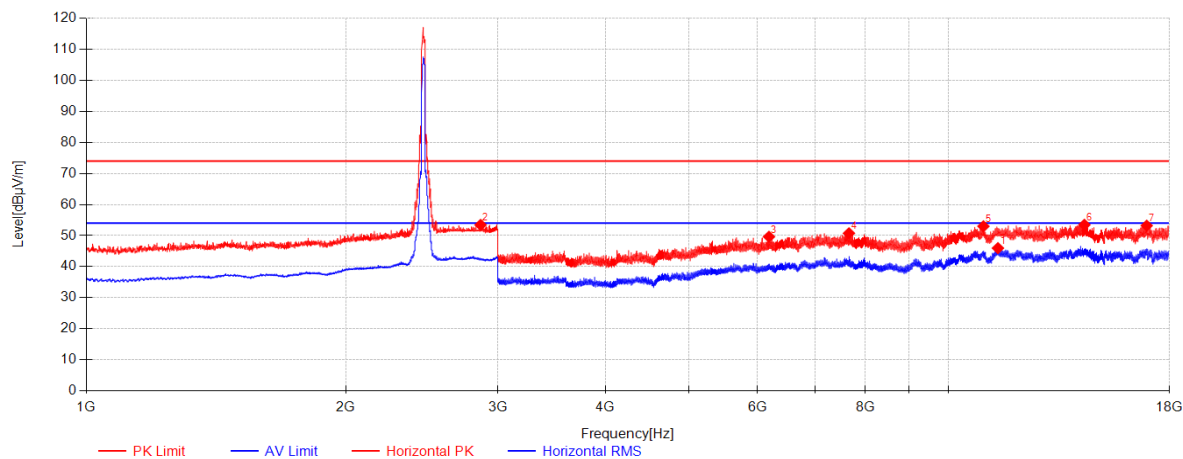
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	16957.5	44.48	40.79	-39.13	46.14	54.00	7.86	Horizontal
2	2783.5	42.03	28.47	-16.68	53.82	74.00	20.18	Horizontal
3	5921.625	56.24	33.14	-40.18	49.20	74.00	24.80	Horizontal
4	7697.25	54.16	36.52	-40.21	50.47	74.00	23.53	Horizontal
5	11431.875	52.59	40.57	-40.44	52.72	74.00	21.28	Horizontal
6	14438.625	51.96	41.78	-40.66	53.08	74.00	20.92	Horizontal
7	17084.25	51.65	41.67	-40.14	53.18	74.00	20.82	Horizontal

11ax(HE20)_TX_CH_06_Vertical



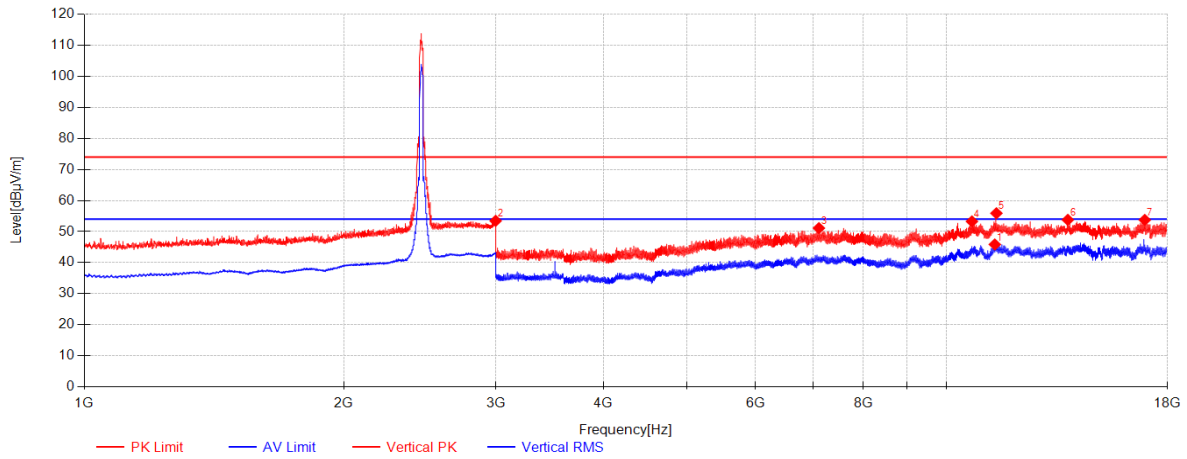
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	14388.375	44.88	41.90	-40.55	46.23	54.00	7.77	Vertical
2	2992	41.51	28.82	-16.55	53.78	74.00	20.22	Vertical
3	5583.75	56.85	32.77	-40.61	49.01	74.00	24.99	Vertical
4	7221	55.06	36.43	-40.30	51.19	74.00	22.81	Vertical
5	11381.625	53.63	40.56	-40.42	53.77	74.00	20.23	Vertical
6	14460	52.24	41.72	-40.74	53.22	74.00	20.78	Vertical
7	16899.75	51.85	40.50	-38.81	53.54	74.00	20.46	Vertical

11ax(HE20)_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	11401.5	45.60	40.60	-40.23	45.97	54.00	8.03	Horizontal
2	2866	41.63	28.47	-16.64	53.46	74.00	20.54	Horizontal
3	6187.875	56.26	33.75	-40.37	49.64	74.00	24.36	Horizontal
4	7659.75	54.36	36.74	-40.35	50.75	74.00	23.25	Horizontal
5	10968	53.21	40.24	-40.45	53.00	74.00	21.00	Horizontal
6	14360.25	52.24	41.90	-40.64	53.50	74.00	20.50	Horizontal
7	16957.875	51.55	40.79	-39.13	53.21	74.00	20.79	Horizontal

11ax(HE20)_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	11366.25	45.91	40.53	-40.58	45.86	54.00	8.14	Vertical
2	2999	41.12	28.89	-16.54	53.47	74.00	20.53	Vertical
3	7107.75	55.56	36.18	-40.63	51.11	74.00	22.89	Vertical
4	10692.375	54.42	39.18	-40.32	53.28	74.00	20.72	Vertical
5	11415.75	55.66	40.58	-40.33	55.91	74.00	18.09	Vertical
6	13813.5	53.68	40.17	-40.06	53.79	74.00	20.21	Vertical
7	16959.375	52.10	40.80	-39.14	53.76	74.00	20.24	Vertical

7.4 Conducted Peak Output Power

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

Test Method: ANSI C63.10 (2020) Section 11.9.1

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

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

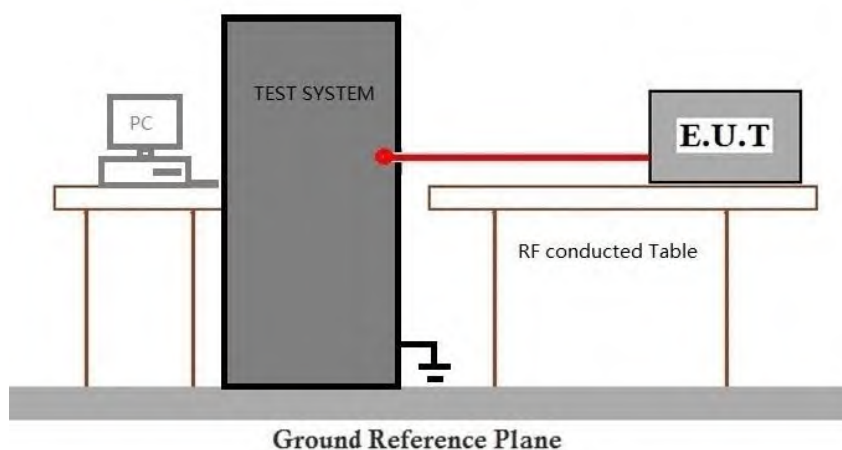
Humidity: 41 % RH

Atmospheric Pressure: 1001 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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

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

7.5 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

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

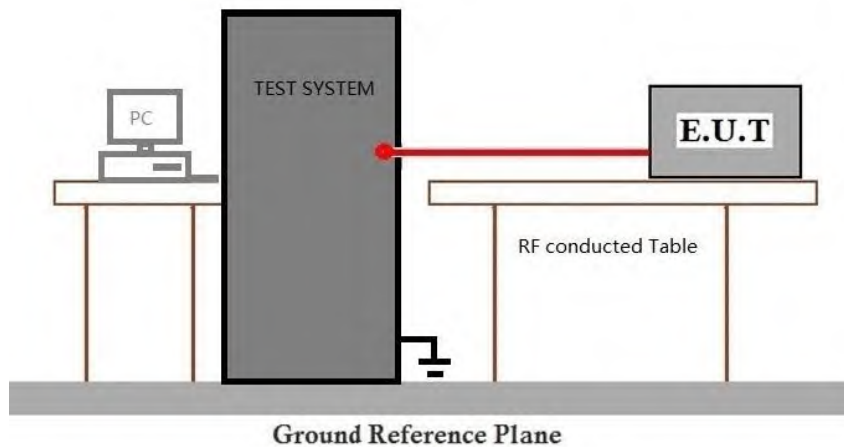
Humidity: 45 % RH

Atmospheric Pressure: 1001 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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

Please Refer to Appendix for Details

7.6 Power Spectrum Density

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

Test Method: ANSI C63.10 (2020) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

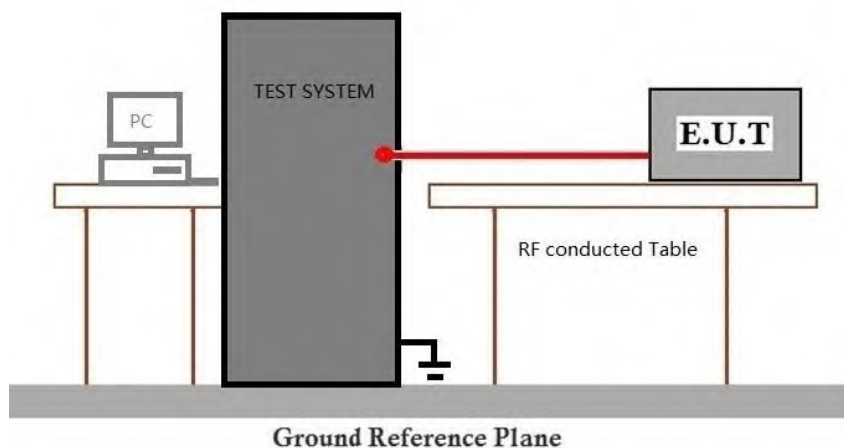
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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

7.7 Conducted Band Edges Measurement

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

Test Method: ANSI C63.10 (2020) Section 6.10.4

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C

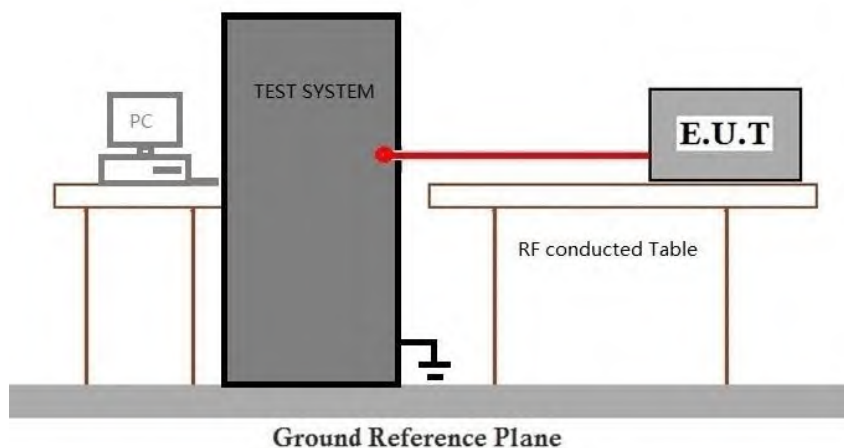
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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.

7.7.3 Test Setup Diagram





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7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Conducted Spurious Emissions

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

Test Method: ANSI C63.10 (2020) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21 °C

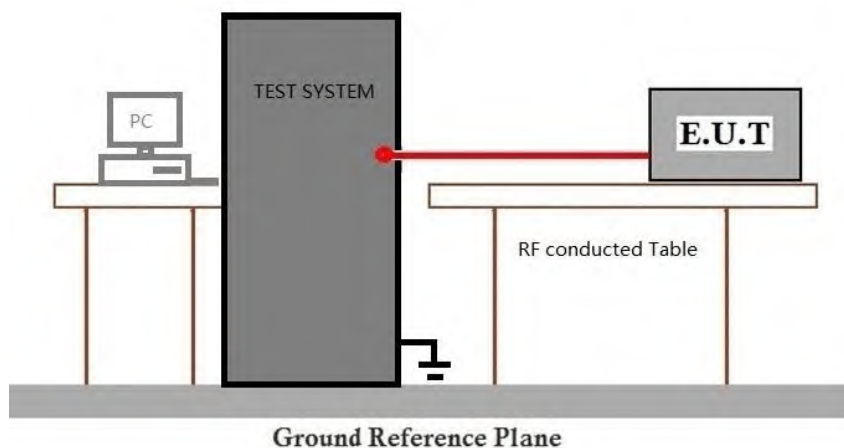
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode(2.4G WIFI)_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.

7.8.3 Test Setup Diagram





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7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2511001074MO

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SUCR2511001074MO

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	SISO	2412	/	/	31.617	32.610	96.95	0.13	0.00
		2437	/	/	31.617	32.610	96.95	0.13	0.00
		2462	/	/	31.620	32.613	96.96	0.13	0.01
802.11g	SISO	2412	/	/	5.263	6.263	84.03	0.76	0.04
		2437	/	/	5.263	6.262	84.05	0.75	0.01
		2462	/	/	5.264	6.263	84.05	0.75	0.04
802.11n (HT20)	SISO	2412	/	/	4.877	5.878	82.97	0.81	0.04
		2437	/	/	4.877	5.876	83.00	0.81	0.01
		2462	/	/	4.877	5.877	82.98	0.81	0.04
802.11ax (HEW20)	SISO	2412	SU	/	3.720	4.720	78.81	1.03	0.01
		2437	SU	/	3.720	4.720	78.81	1.03	0.01
		2462	SU	/	3.720	4.720	78.81	1.03	0.00

2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	11.619	/	Pass
		2437	/	/	1	11.486	/	Pass
		2462	/	/	1	11.425	/	Pass
802.11g	SISO	2412	/	/	1	17.745	/	Pass
		2437	/	/	1	17.686	/	Pass
		2462	/	/	1	17.744	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.712	/	Pass
		2437	/	/	1	18.661	/	Pass
		2462	/	/	1	18.721	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	19.255	/	Pass
		2437	SU	/	1	19.247	/	Pass
		2462	SU	/	1	19.270	/	Pass

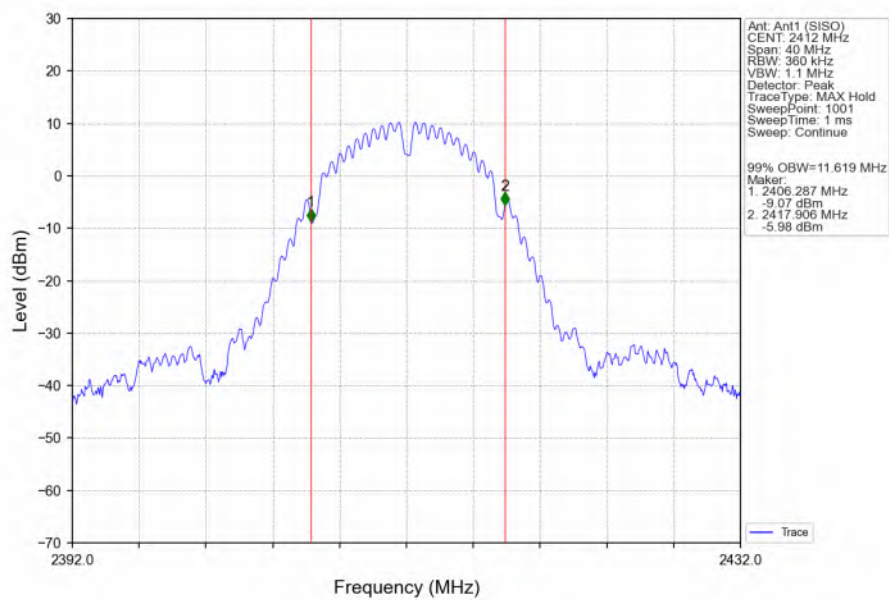
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	8.108	≥ 0.5	Pass
		2437	/	/	1	7.710	≥ 0.5	Pass
		2462	/	/	1	7.697	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.038	≥ 0.5	Pass
		2437	/	/	1	15.878	≥ 0.5	Pass
		2462	/	/	1	15.959	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.047	≥ 0.5	Pass
		2437	/	/	1	17.374	≥ 0.5	Pass
		2462	/	/	1	17.101	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.644	≥ 0.5	Pass
		2437	SU	/	1	18.729	≥ 0.5	Pass
		2462	SU	/	1	18.782	≥ 0.5	Pass

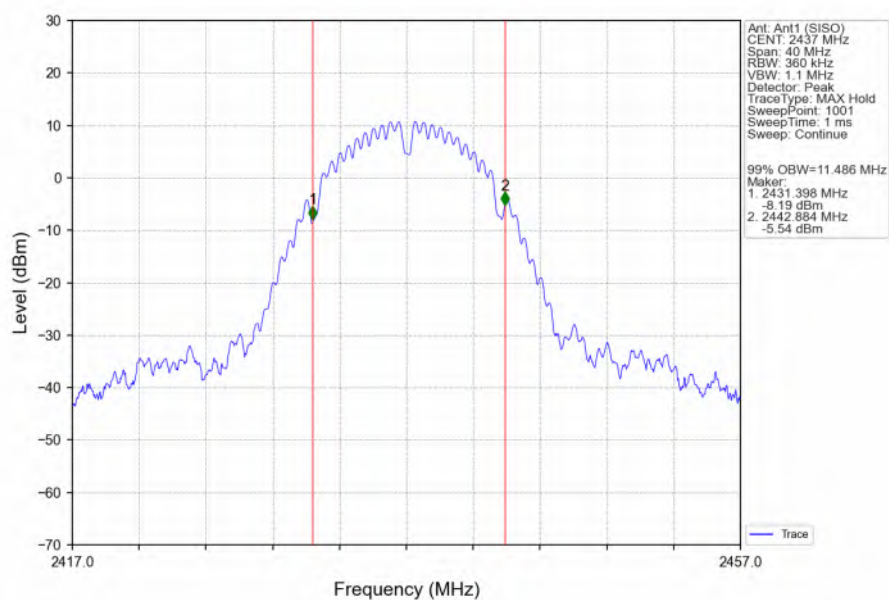
2.2 Test Graph

2.2.1 OBW

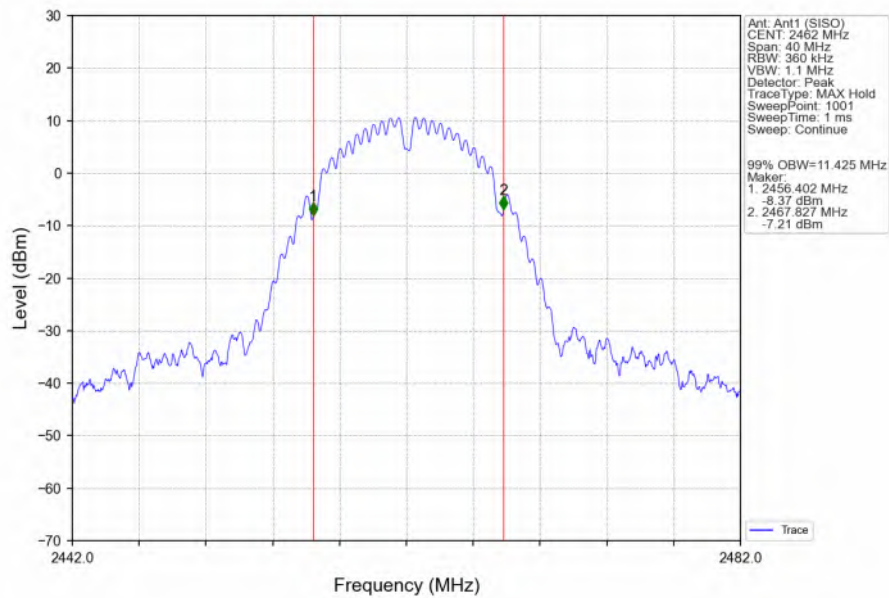
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



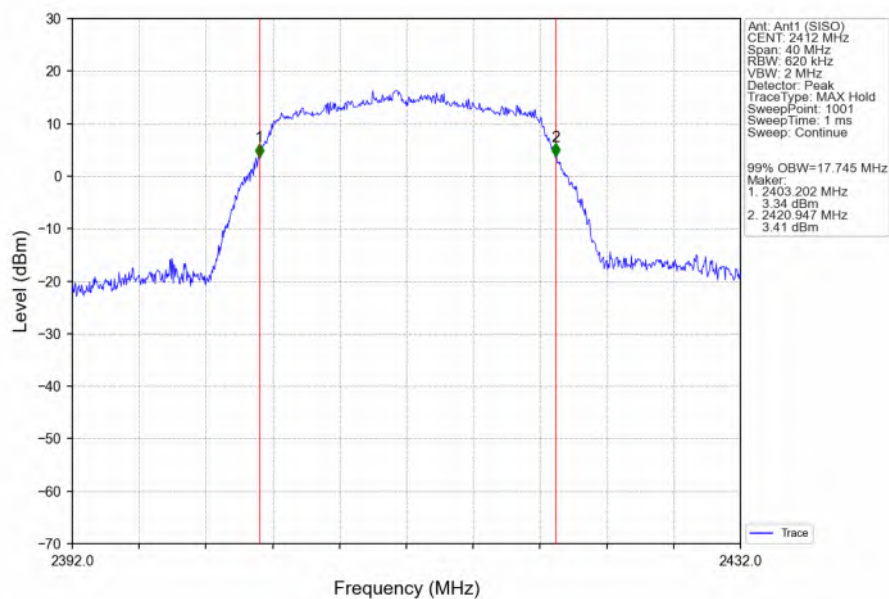
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



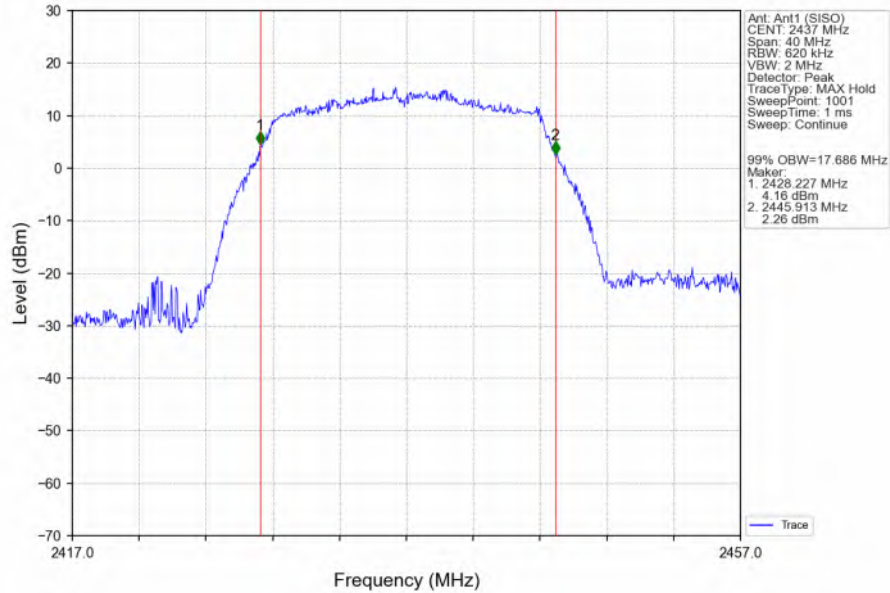
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



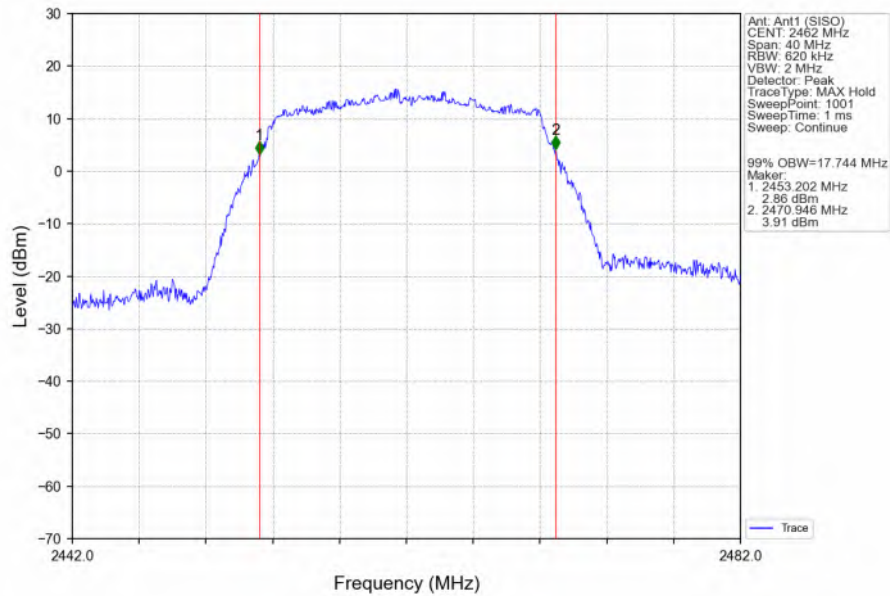
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



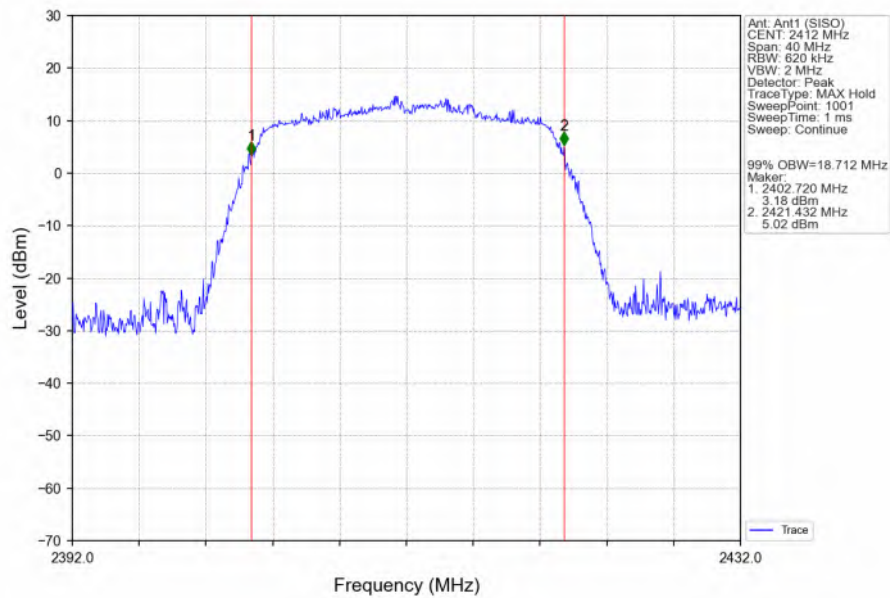
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



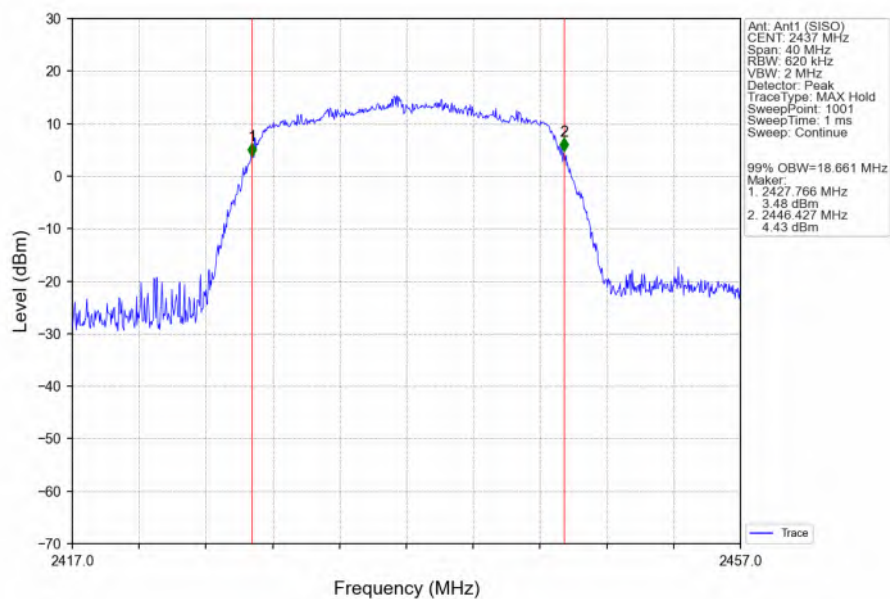
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



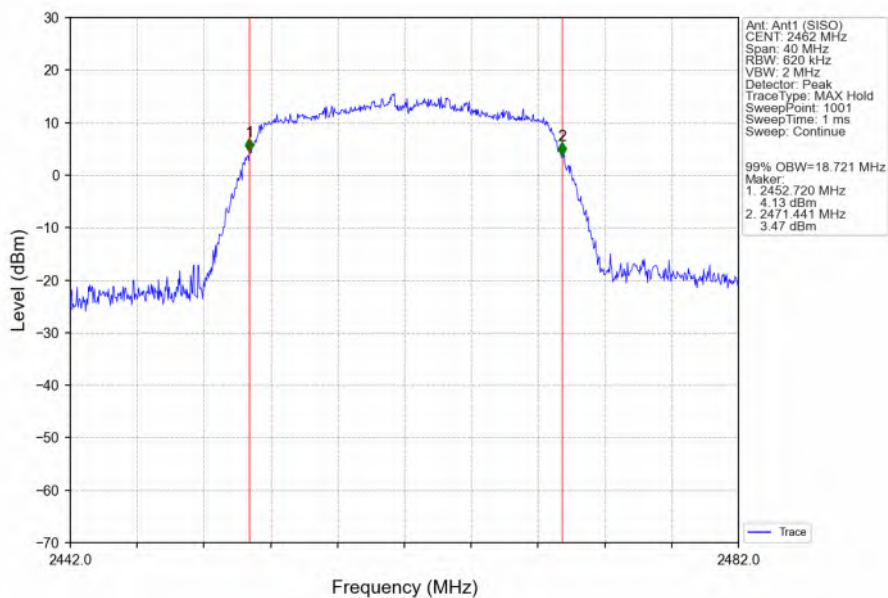
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



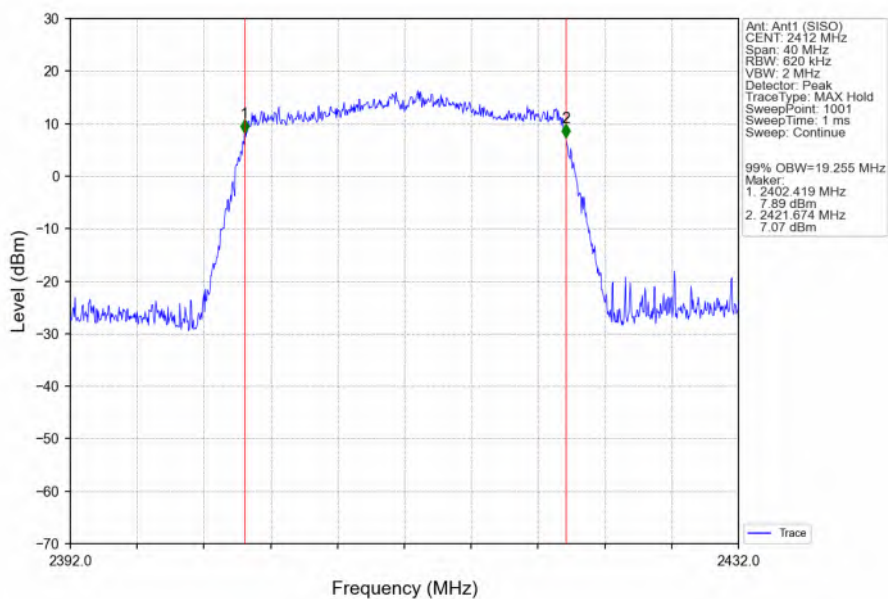
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



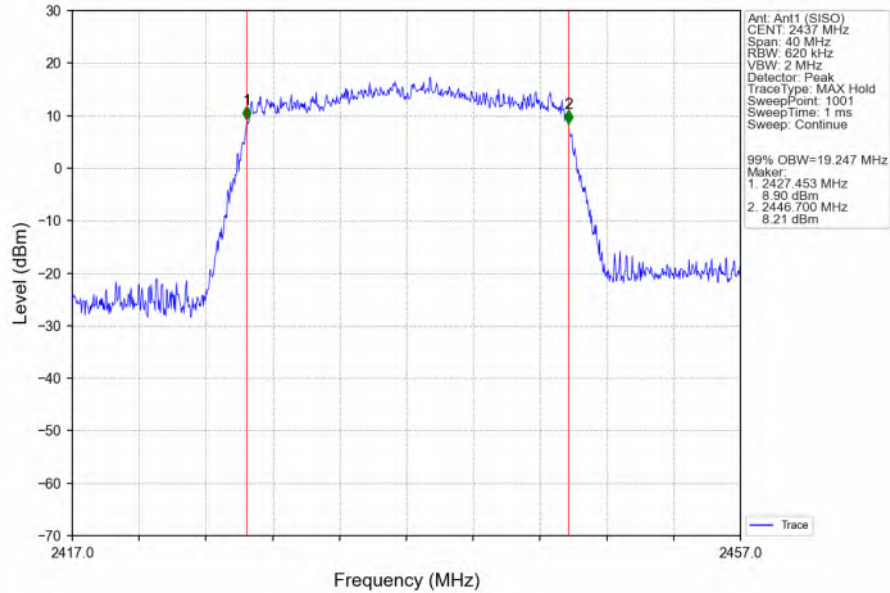
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



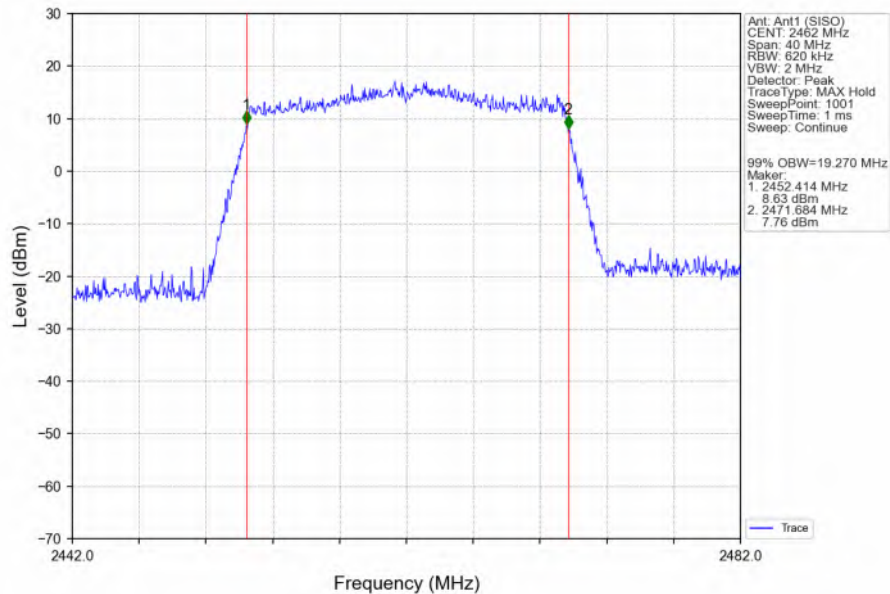
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV

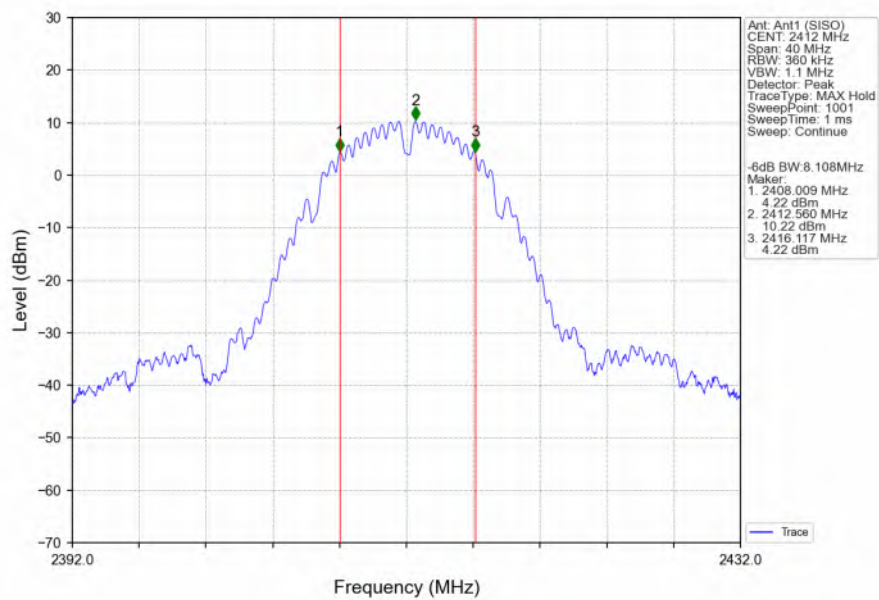


802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV

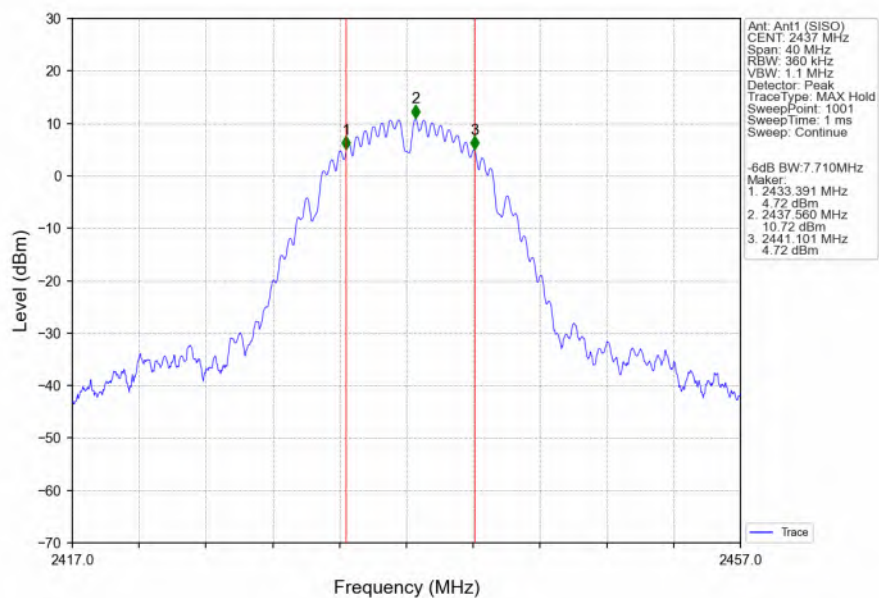


2.2.2 6dB BW

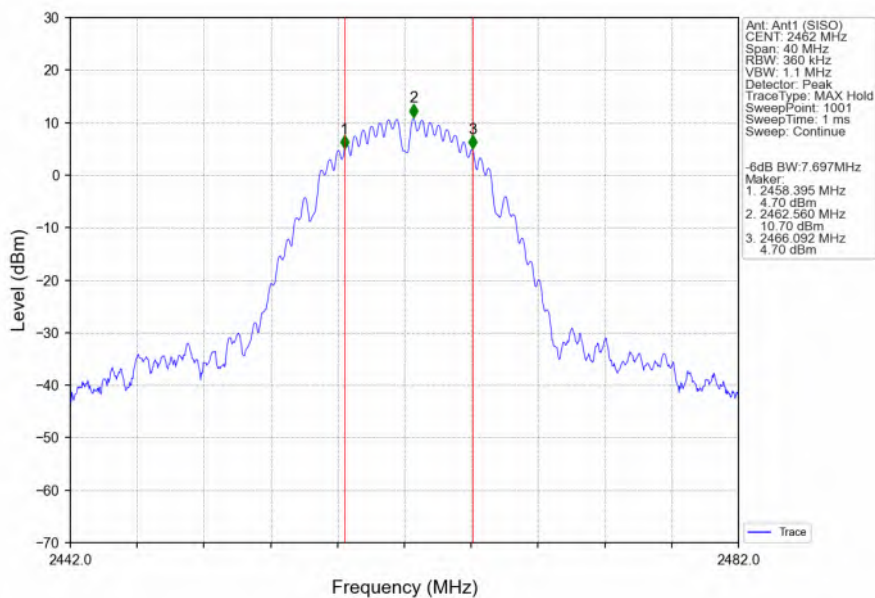
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



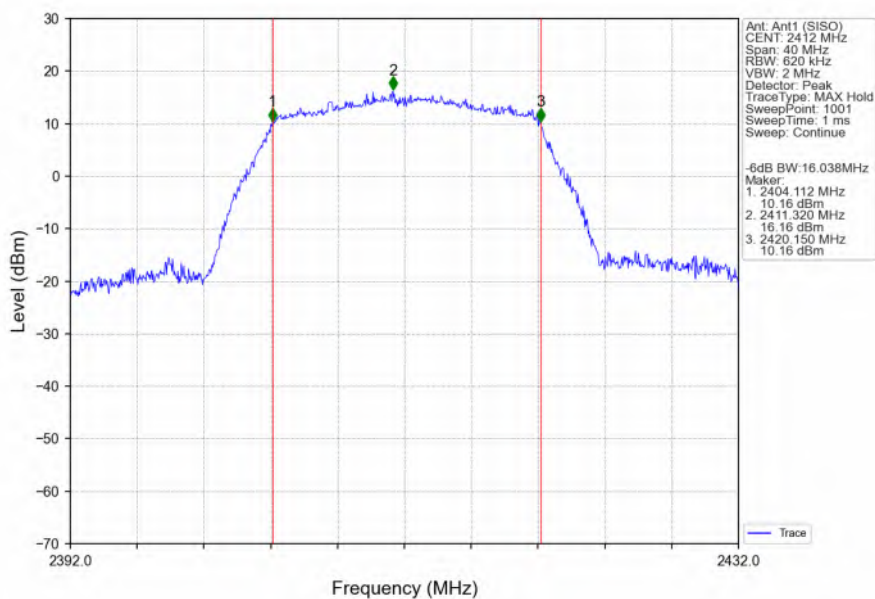
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



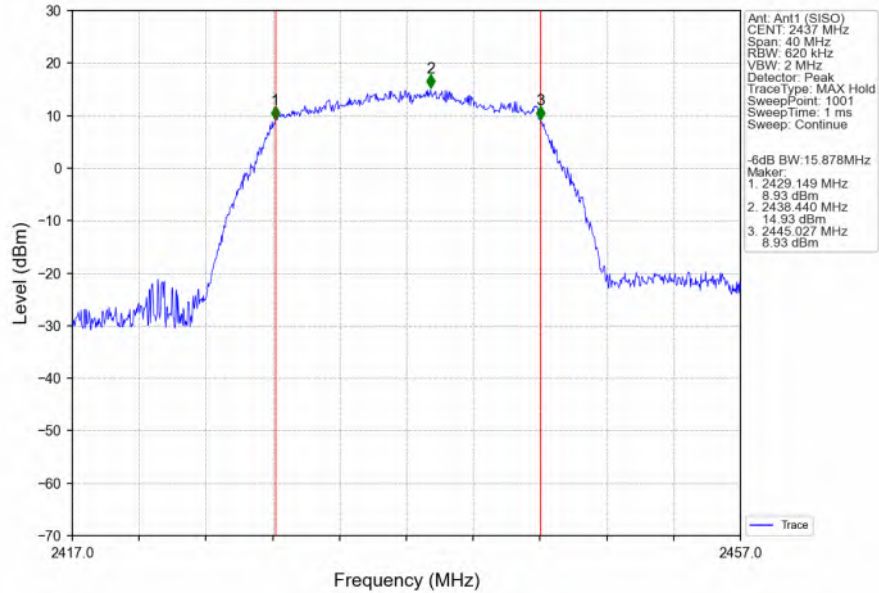
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



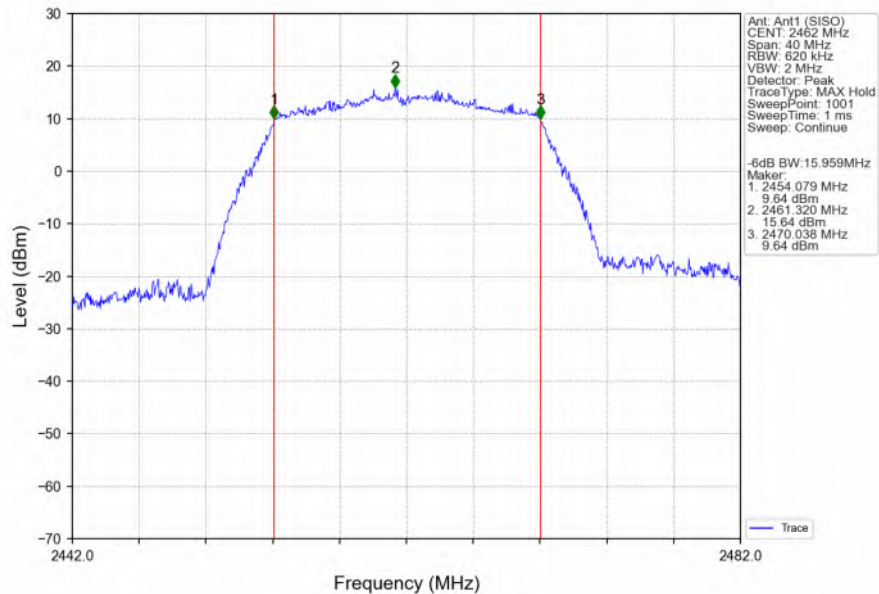
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



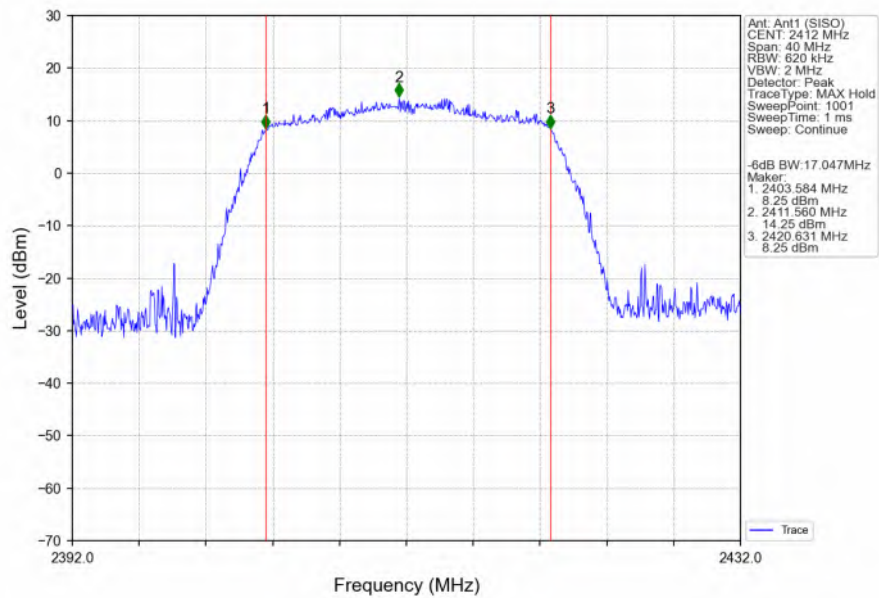
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



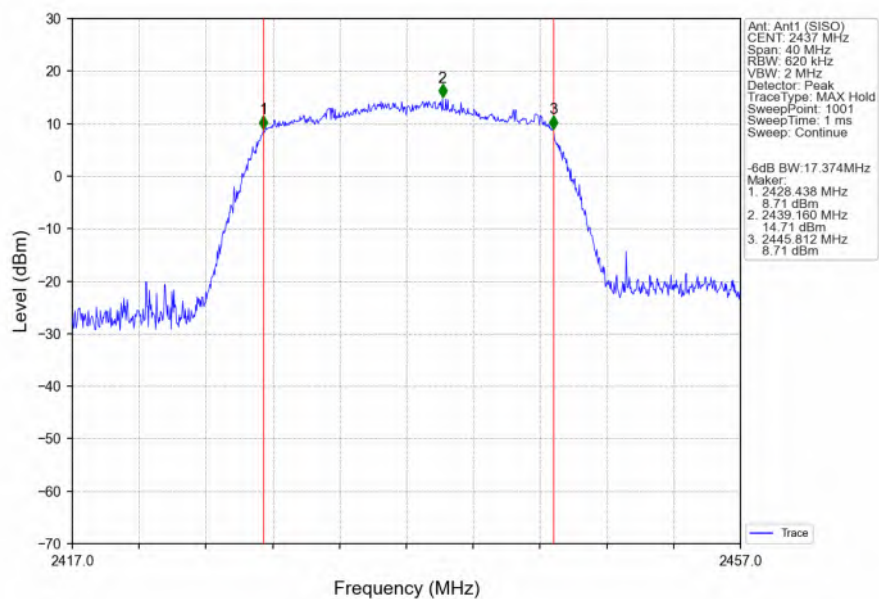
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



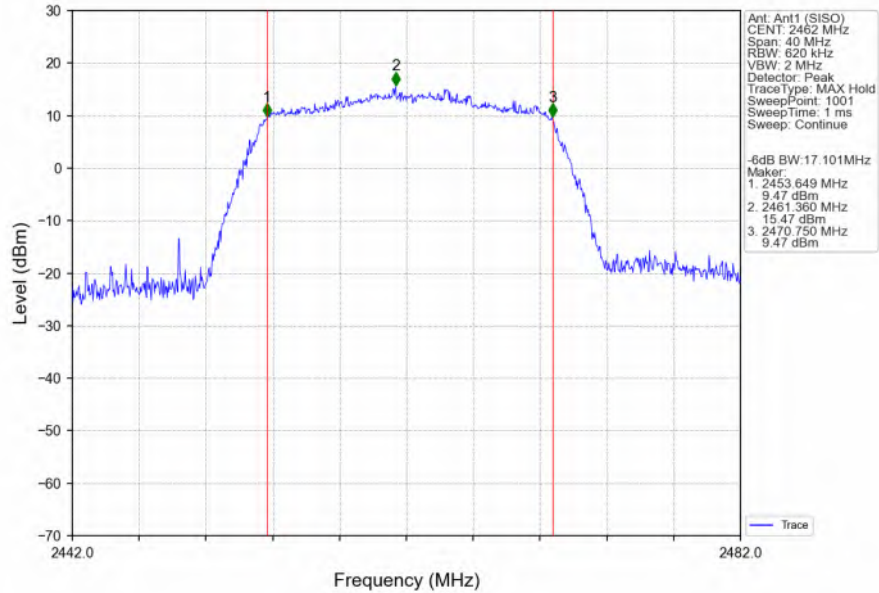
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



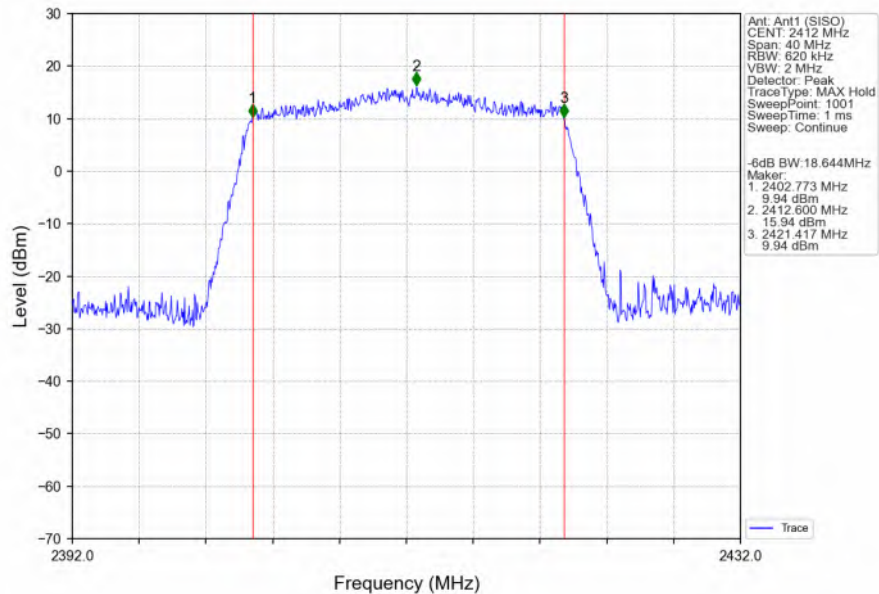
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



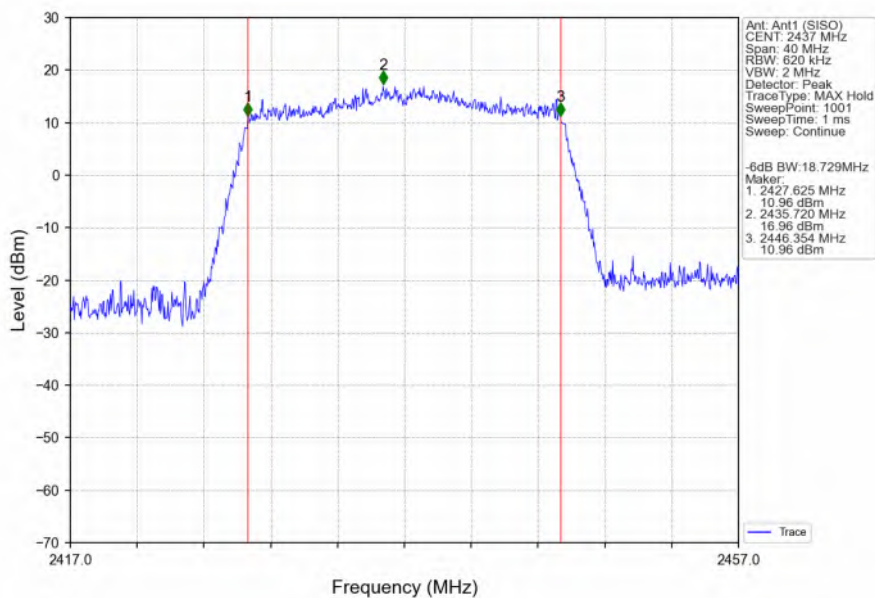
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



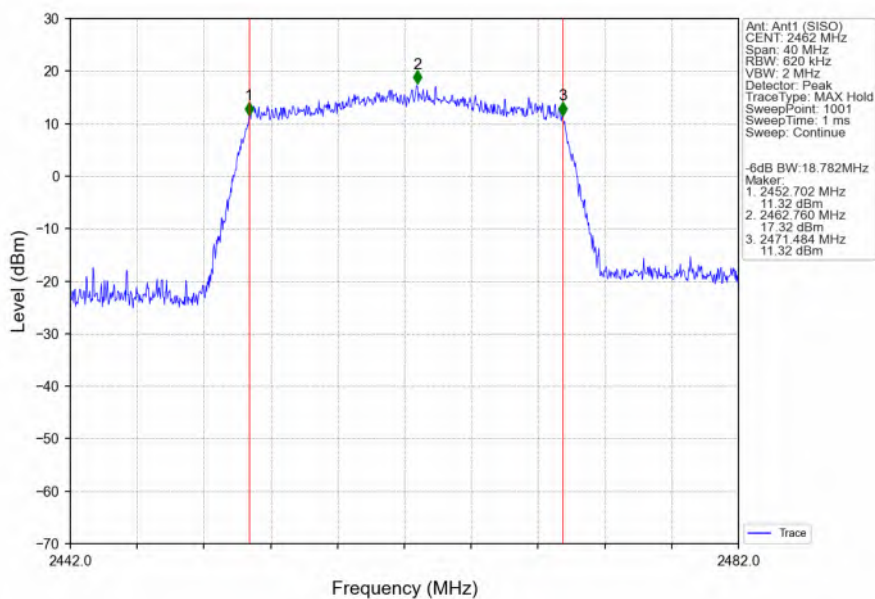
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	20.19	<=30	Pass
		2437	/	/	22.99	<=30	Pass
		2462	/	/	22.87	<=30	Pass
802.11g	SISO	2412	/	/	24.25	<=30	Pass
		2437	/	/	26.93	<=30	Pass
		2462	/	/	24.58	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	24.31	<=30	Pass
		2437	/	/	26.89	<=30	Pass
		2462	/	/	24.69	<=30	Pass
802.11ax (HEW20)	SISO	2412	RU26	Left	22.32	<=30	Pass
			RU52	Left	25.66	<=30	Pass
			RU106	Left	22.24	<=30	Pass
			SU	/	24.39	<=30	Pass
		2437	RU26	Left	21.96	<=30	Pass
			RU52	Left	25.87	<=30	Pass
			RU106	Left	22.29	<=30	Pass
			SU	/	28.11	<=30	Pass
		2462	RU26	Right	22.65	<=30	Pass
			RU52	Right	26.13	<=30	Pass
			RU106	Right	22.92	<=30	Pass
			SU	/	24.78	<=30	Pass

Note1: Antenna Gain: Ant1: 0.20dBi;

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

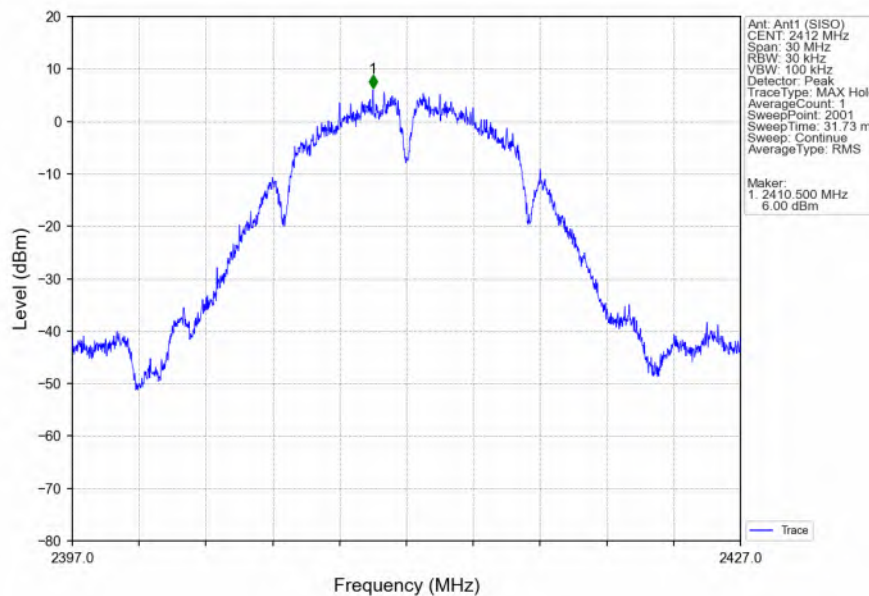
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	6.00	<=8	Pass
		2437	/	/	5.55	<=8	Pass
		2462	/	/	6.06	<=8	Pass
802.11g	SISO	2412	/	/	6.38	<=8	Pass
		2437	/	/	6.26	<=8	Pass
		2462	/	/	5.64	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	3.31	<=8	Pass
		2437	/	/	4.06	<=8	Pass
		2462	/	/	6.07	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU26	Left	2.30	<=8	Pass
			RU52	Left	2.50	<=8	Pass
			RU106	Left	3.50	<=8	Pass
			SU	/	5.60	<=8	Pass
		2437	RU26	Left	1.43	<=8	Pass
			RU52	Left	2.94	<=8	Pass
			RU106	Left	3.32	<=8	Pass
			SU	/	5.40	<=8	Pass
		2462	RU26	Right	2.34	<=8	Pass
			RU52	Right	3.70	<=8	Pass
			RU106	Right	3.97	<=8	Pass
			SU	/	6.14	<=8	Pass

Note1: Antenna Gain: Ant1: 0.20dBi;

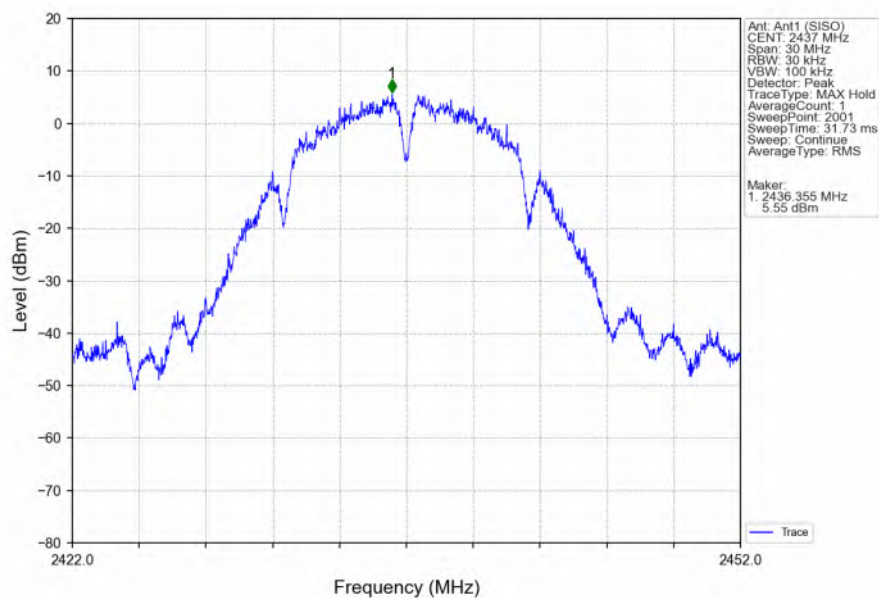
4.2 Test Graph

4.2.1 PSD

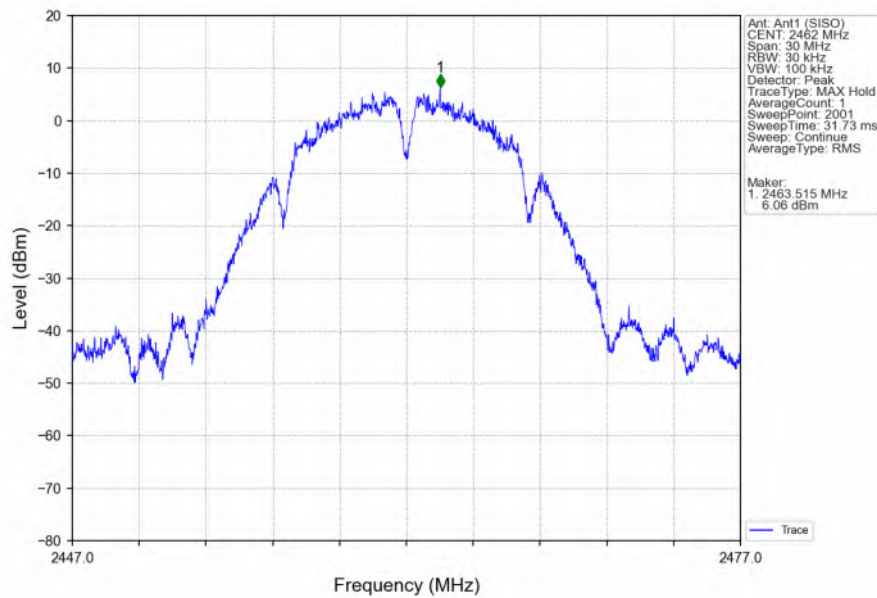
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



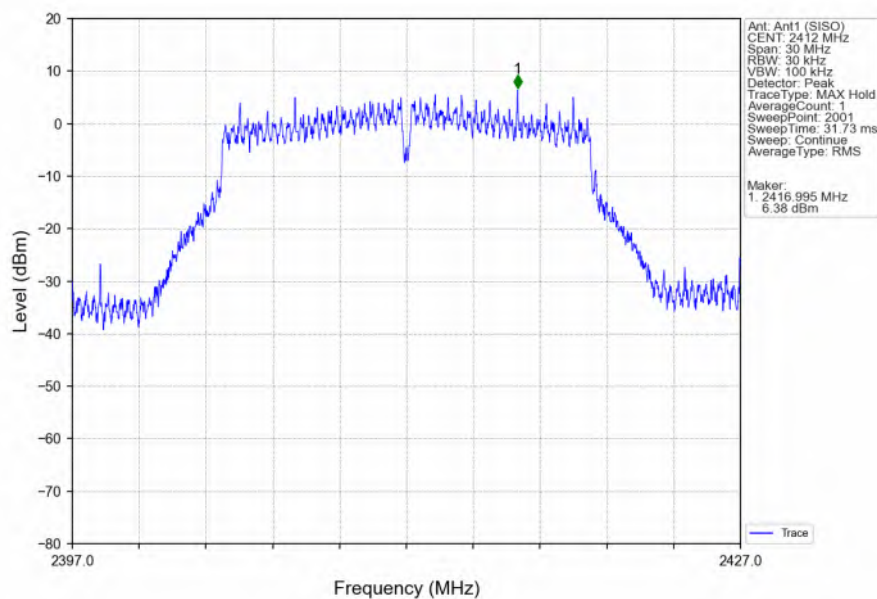
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



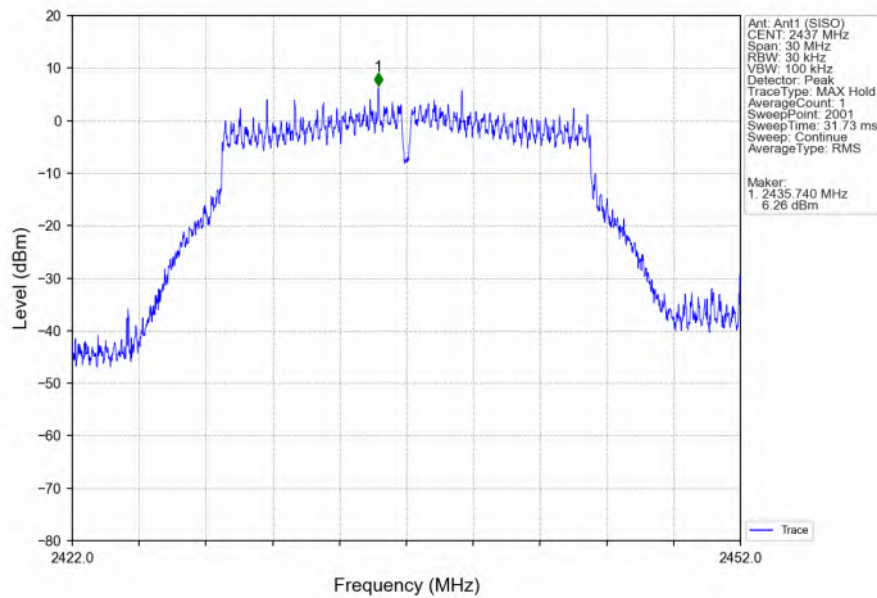
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



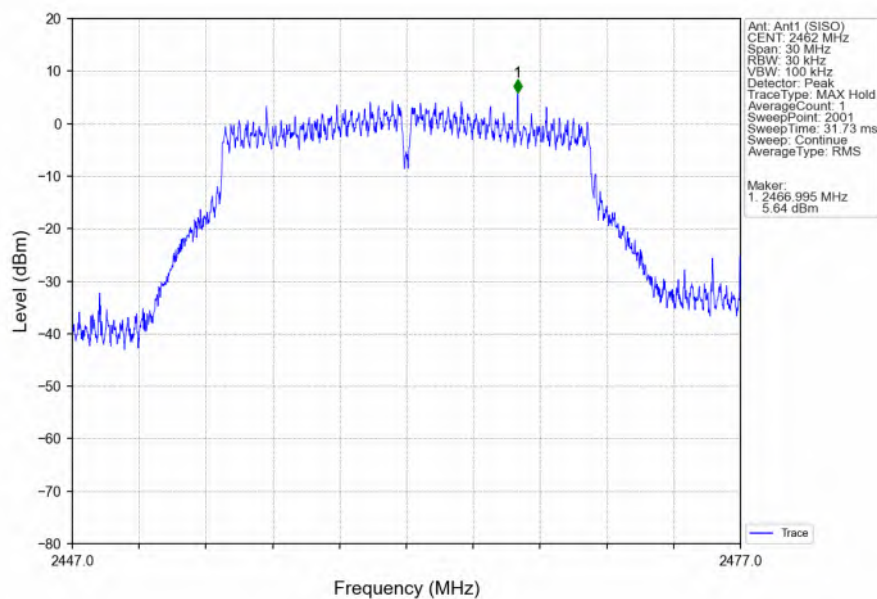
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



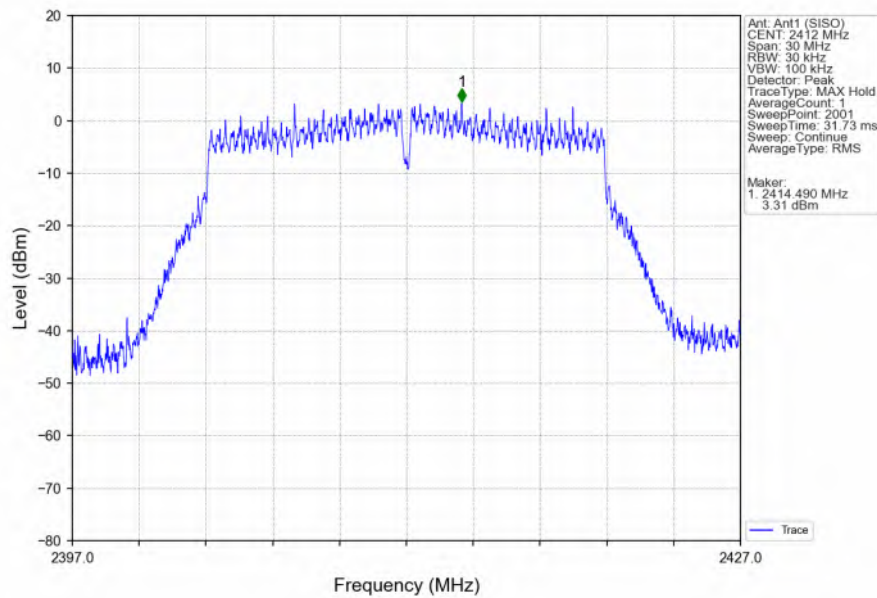
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



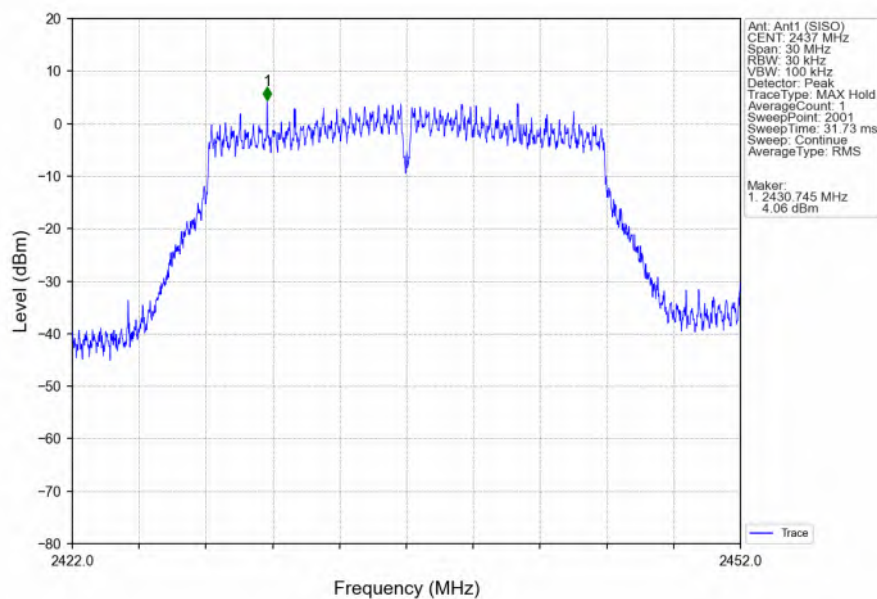
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



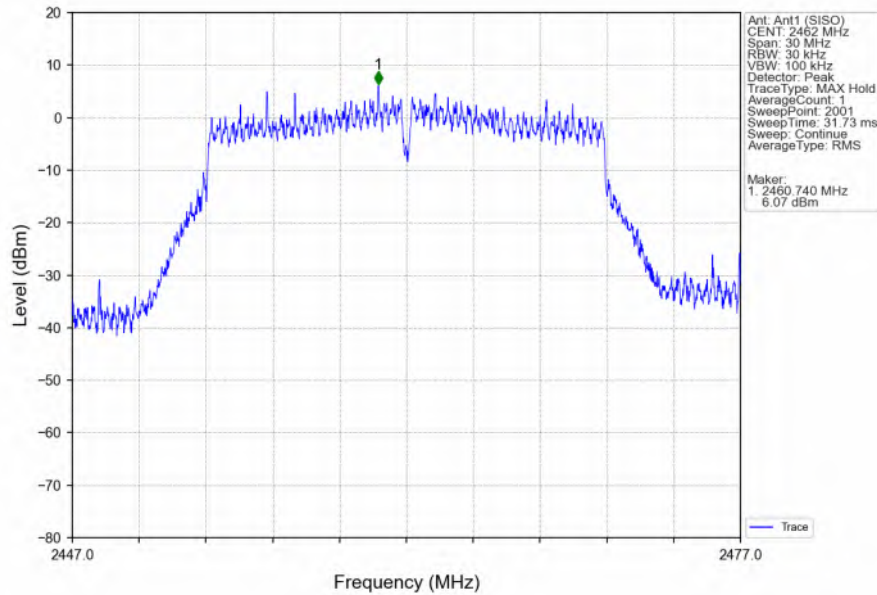
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



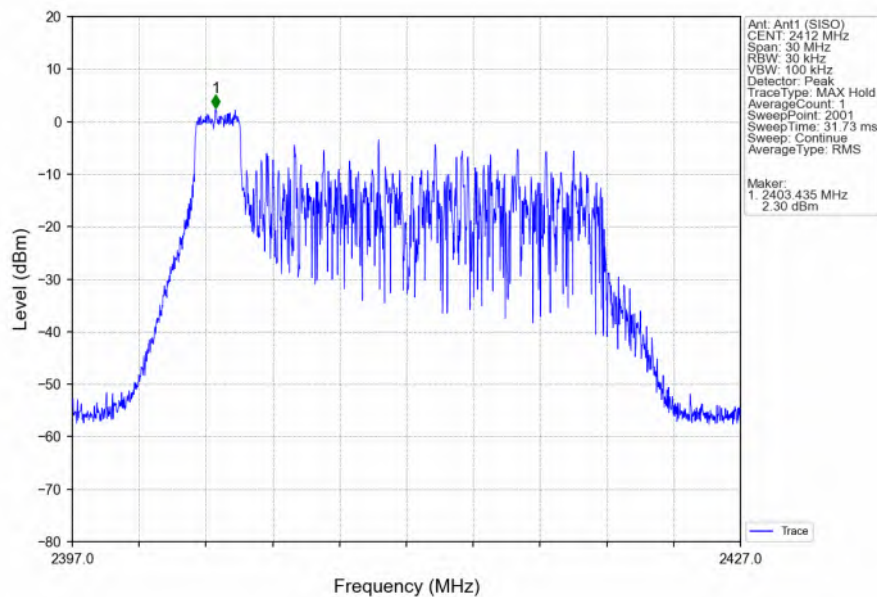
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



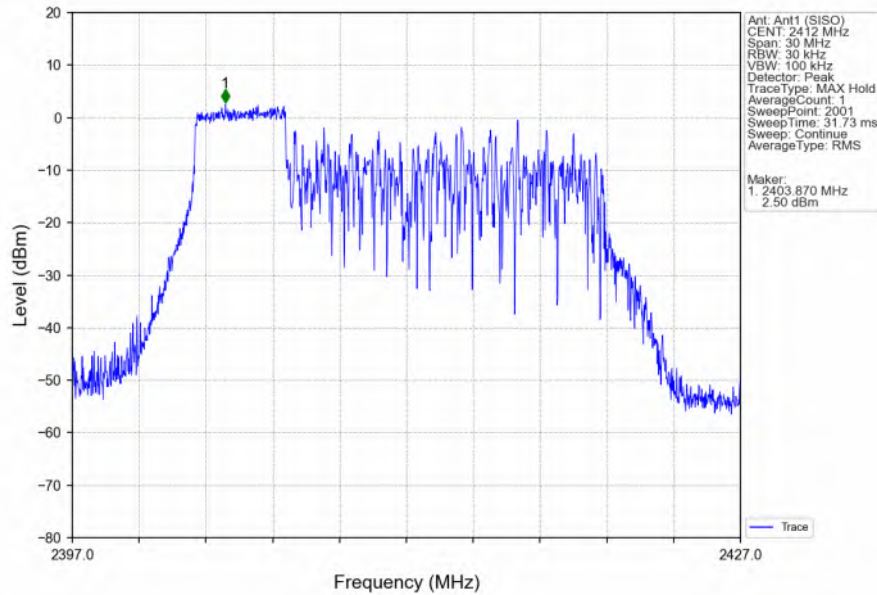
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



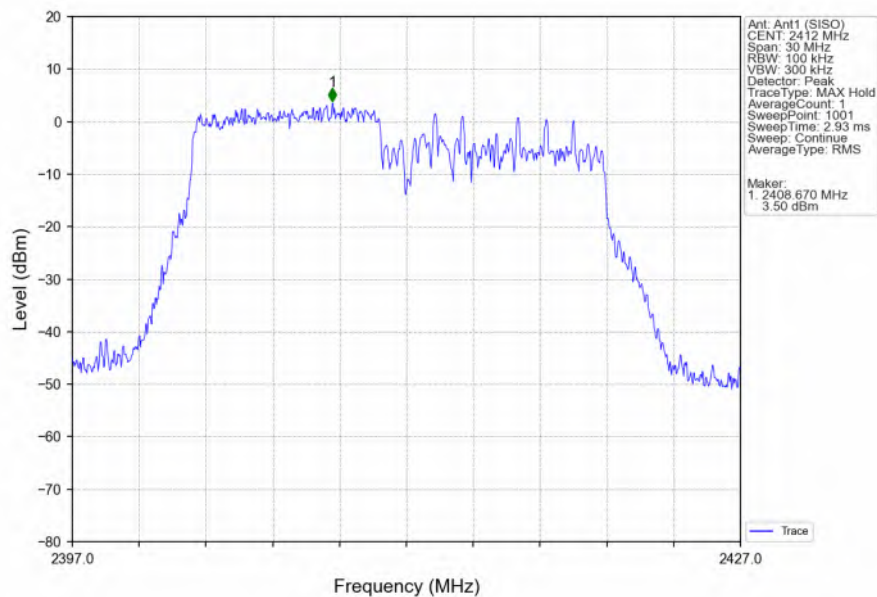
802.11ax(HEW20)_LCH_2412MHz_RU26_Left_Ant1 (SISO)_NTNV



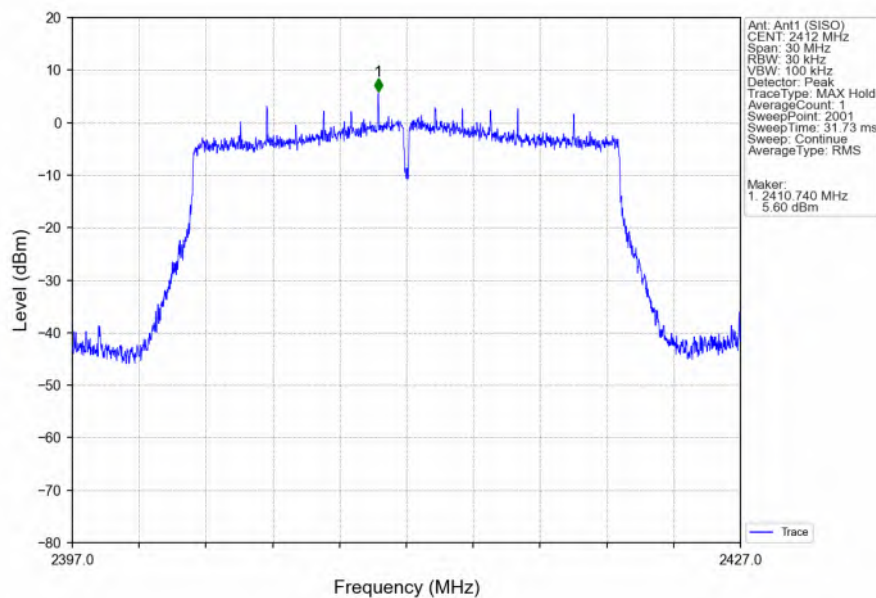
802.11ax(HEW20)_LCH_2412MHz_RU52_Left_Ant1 (SISO)_NTNV



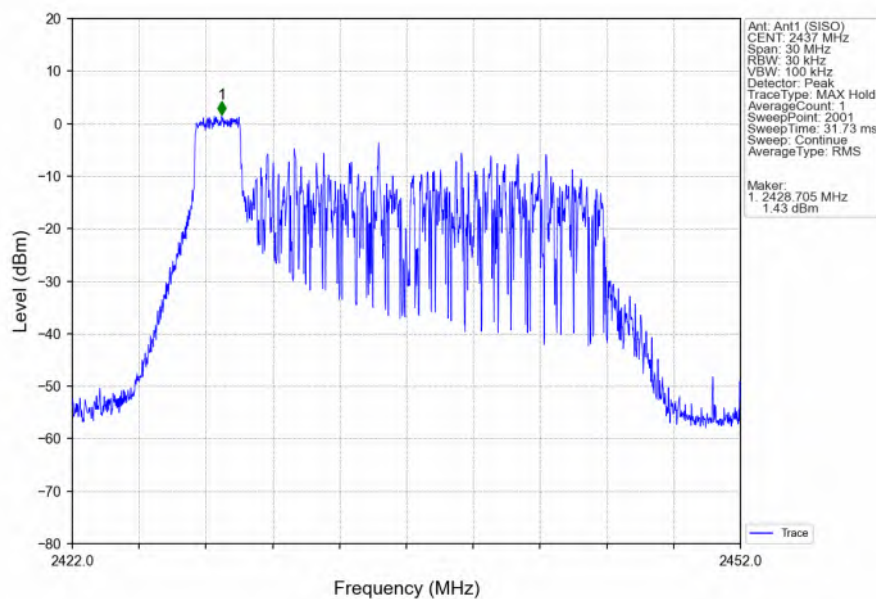
802.11ax(HEW20)_LCH_2412MHz_RU106_Left_Ant1 (SISO)_NTNV



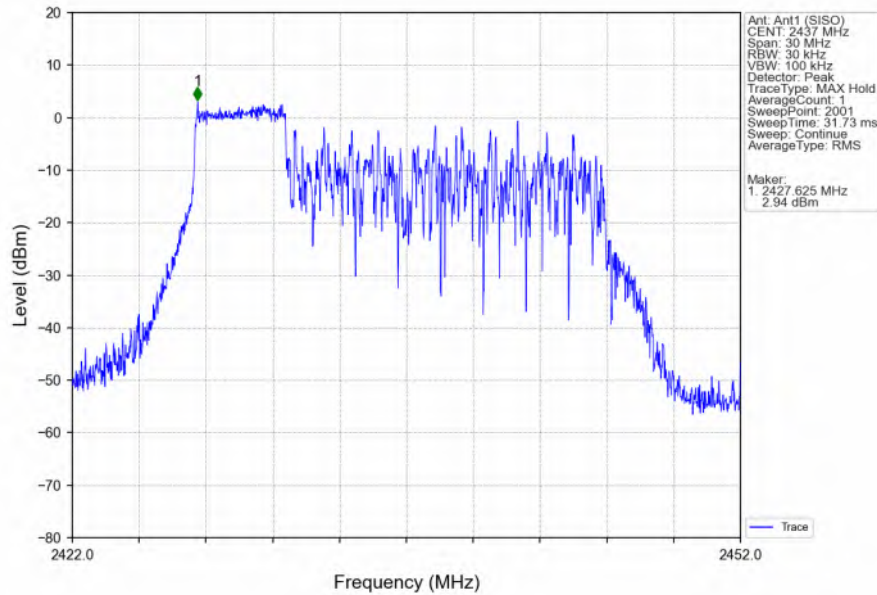
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



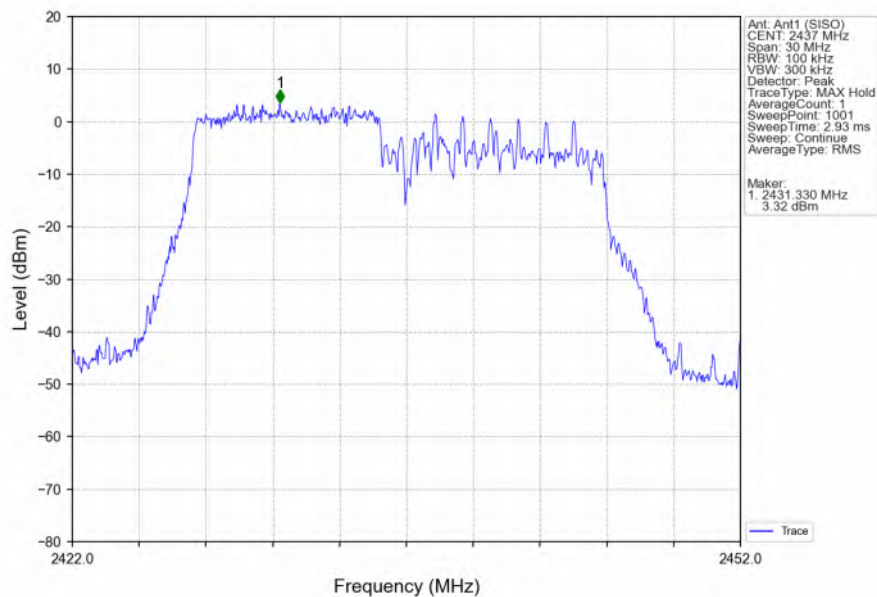
802.11ax(HEW20)_MCH_2437MHz_RU26_Left_Ant1 (SISO)_NTNV



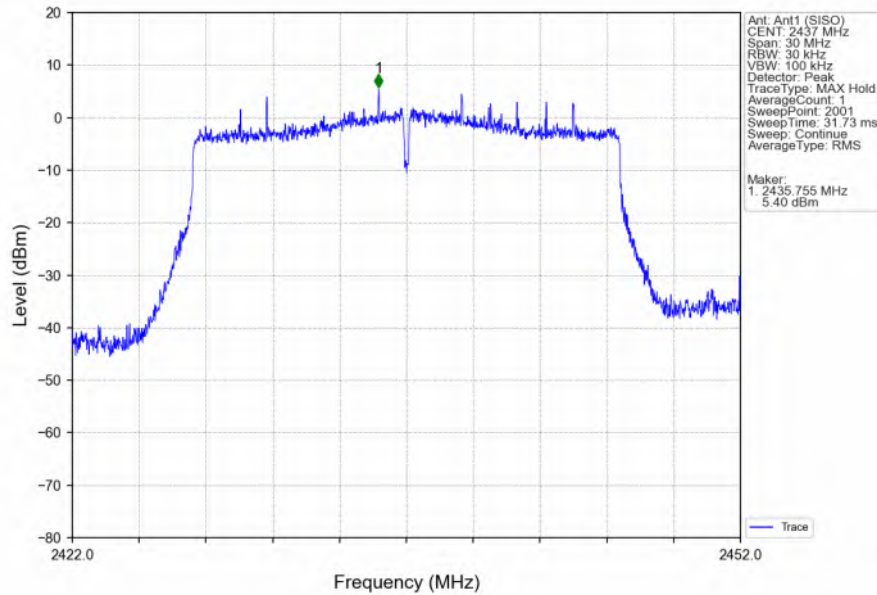
802.11ax(HEW20)_MCH_2437MHz_RU52_Left_Ant1 (SISO)_NTNV



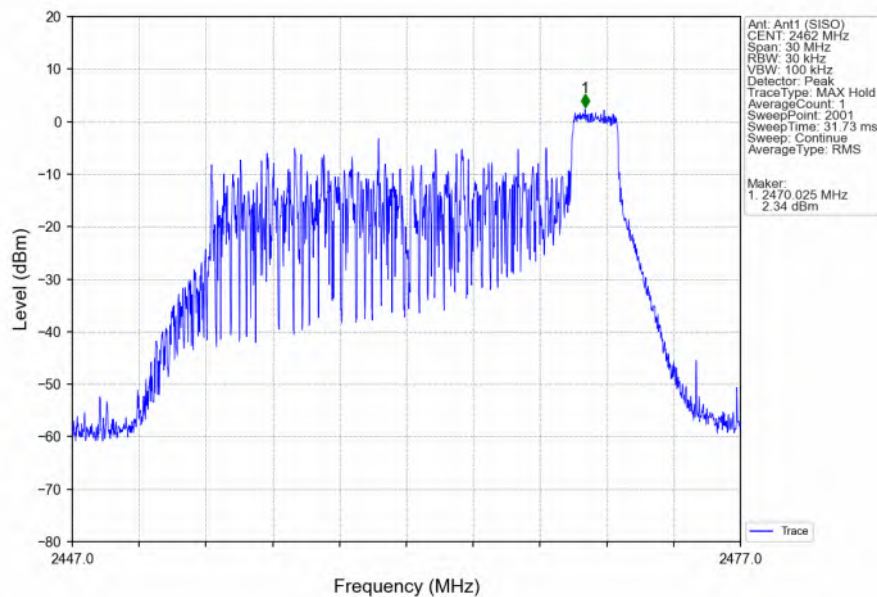
802.11ax(HEW20)_MCH_2437MHz_RU106_Left_Ant1 (SISO)_NTNV



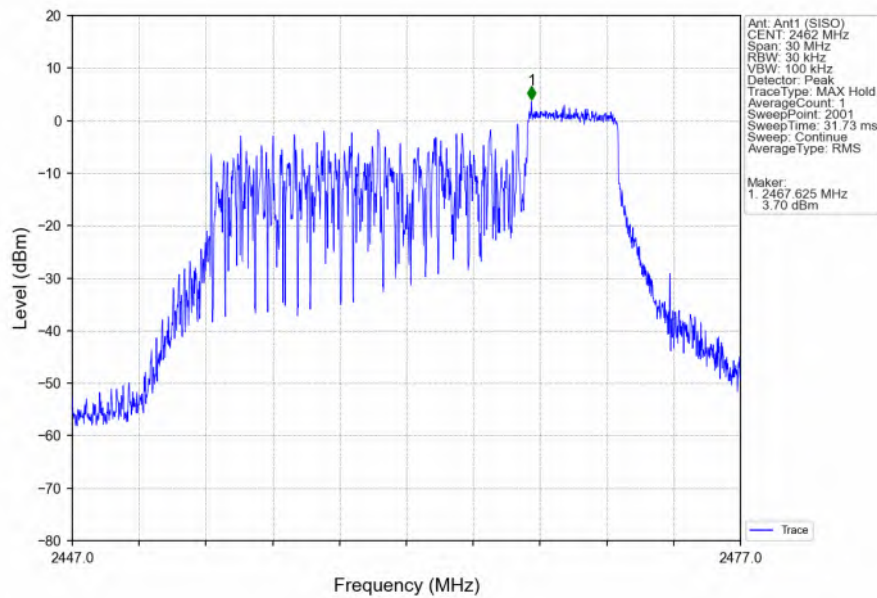
802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV



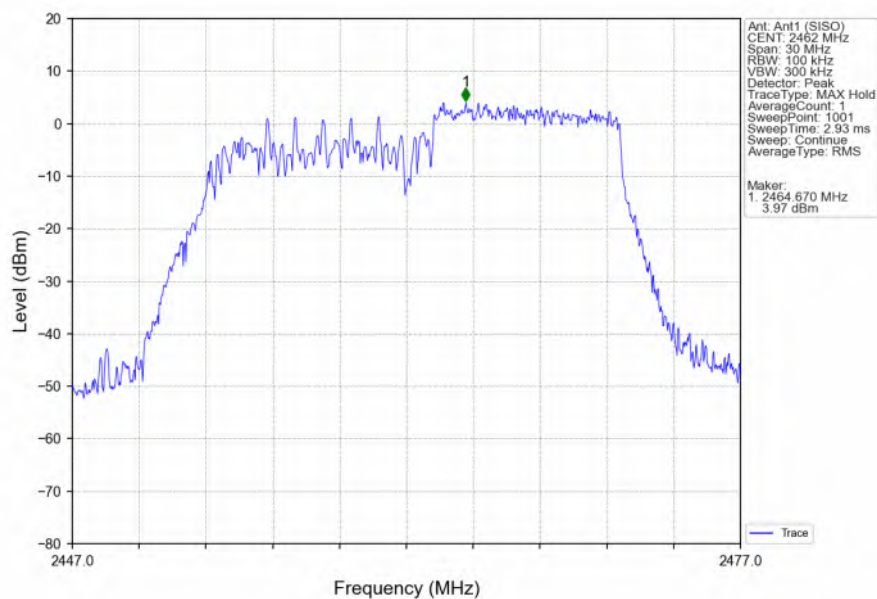
802.11ax(HEW20)_HCH_2462MHz_RU26_Right_Ant1 (SISO)_NTNV



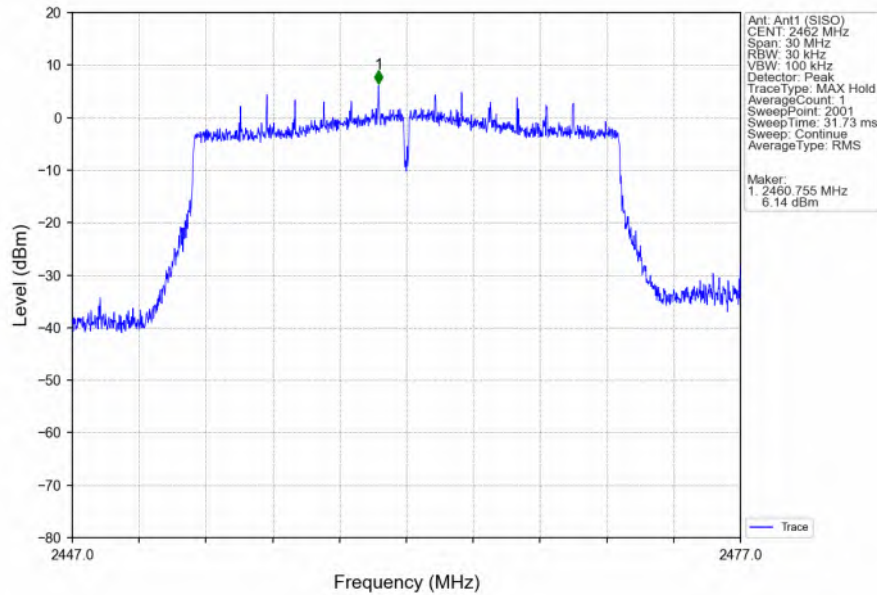
802.11ax(HEW20)_HCH_2462MHz_RU52_Right_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU106_Right_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	11.06
		2437	/	/	1	11.67
		2462	/	/	1	11.61
802.11g	SISO	2412	/	/	1	13.28
		2437	/	/	1	11.41
		2462	/	/	1	12.50
802.11n (HT20)	SISO	2412	/	/	1	10.86
		2437	/	/	1	12.20
		2462	/	/	1	12.06
802.11ax (HEW20)	SISO	2412	SU	/	1	10.59
		2437	SU	/	1	11.99
		2462	SU	/	1	11.63

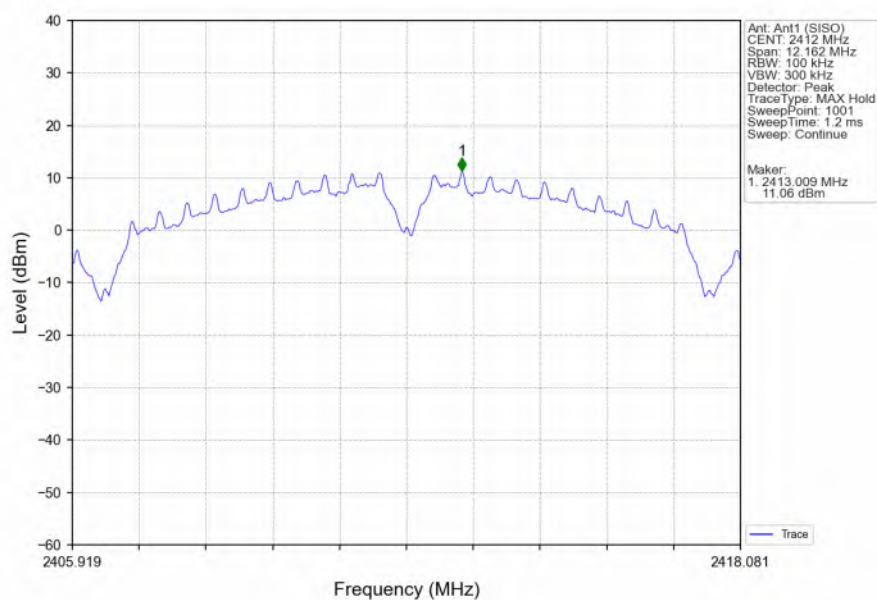
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	11.67	-8.33	Pass
		2437	/	/	1	11.67	-8.33	Pass
		2462	/	/	1	11.67	-8.33	Pass
802.11g	SISO	2412	/	/	1	13.28	-6.72	Pass
		2437	/	/	1	13.28	-6.72	Pass
		2462	/	/	1	13.28	-6.72	Pass
802.11n (HT20)	SISO	2412	/	/	1	12.20	-7.80	Pass
		2437	/	/	1	12.20	-7.80	Pass
		2462	/	/	1	12.20	-7.80	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	11.99	-8.01	Pass
		2437	SU	/	1	11.99	-8.01	Pass
		2462	SU	/	1	11.99	-8.01	Pass

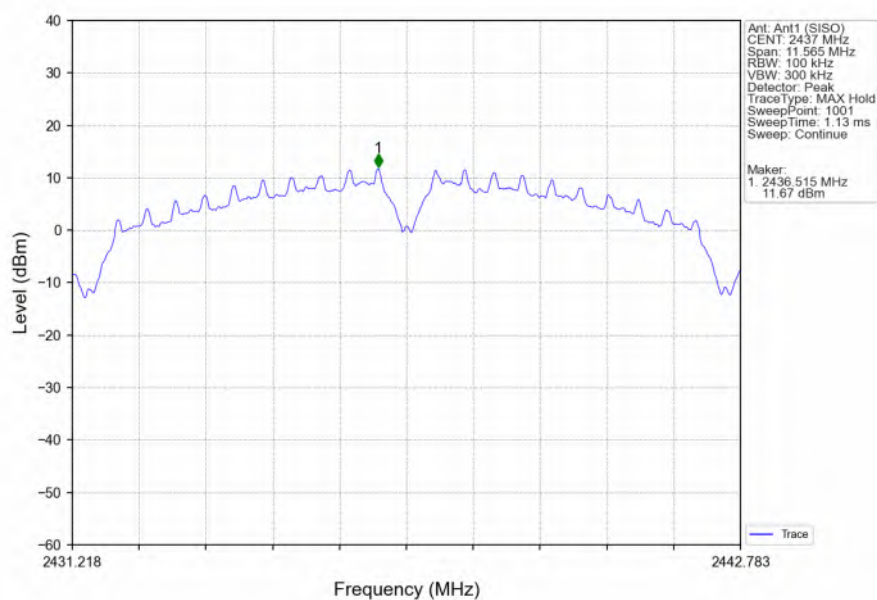
5.2 Test Graph

5.2.1 Ref

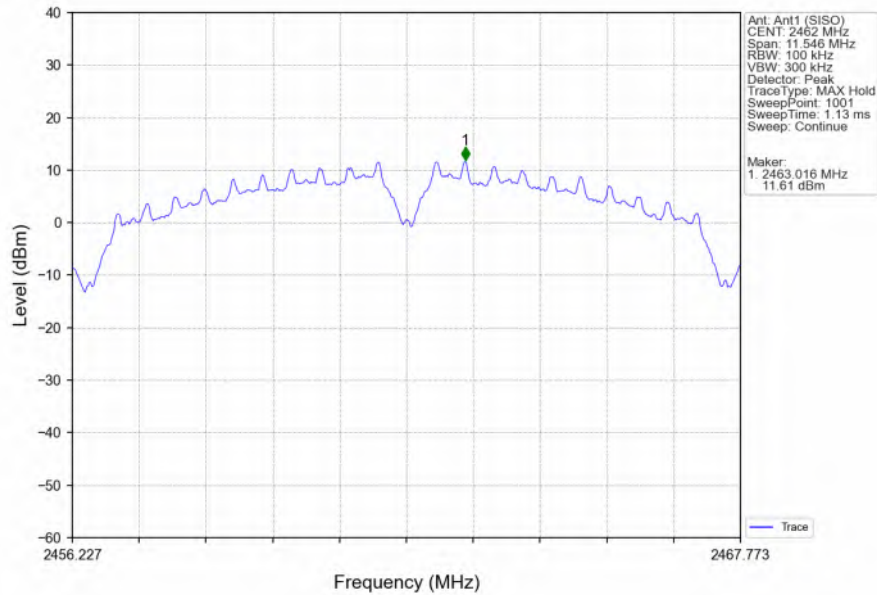
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



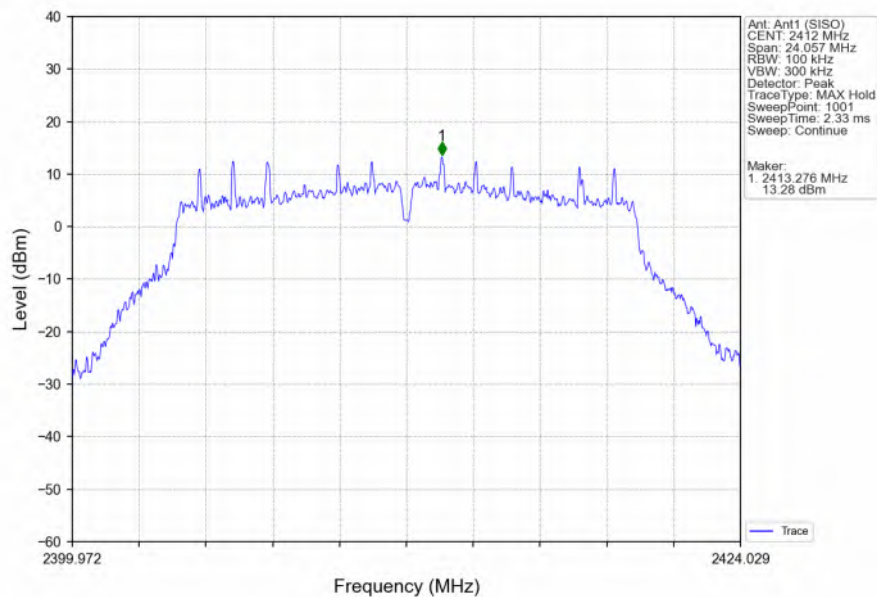
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



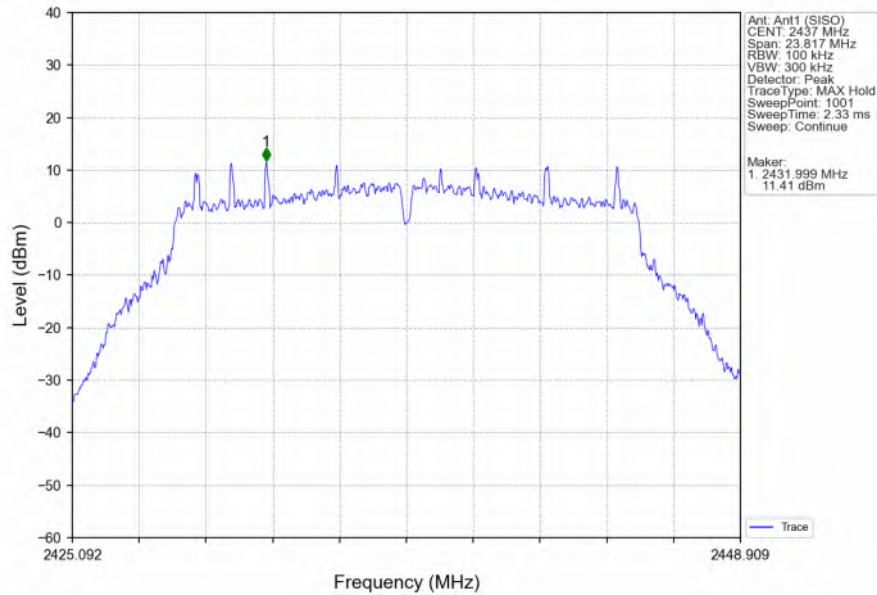
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



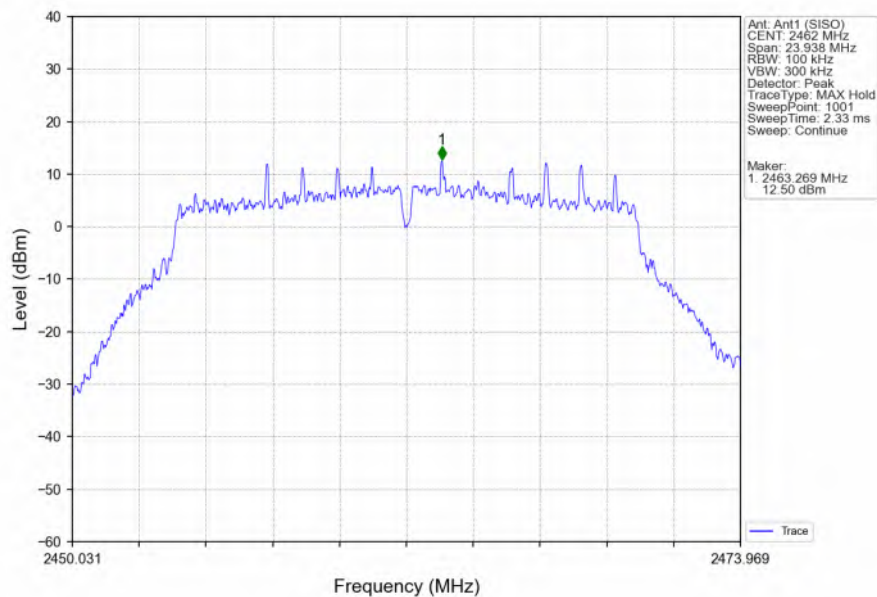
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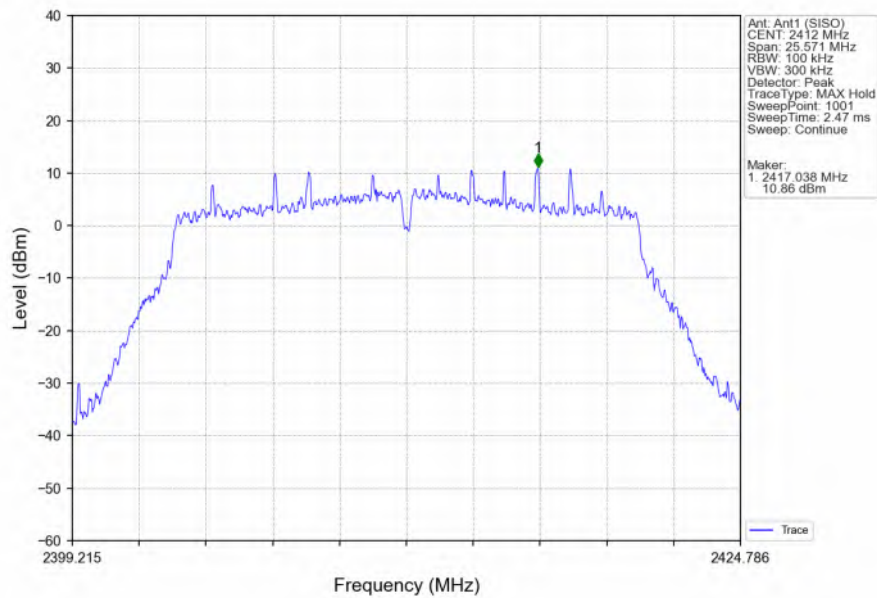
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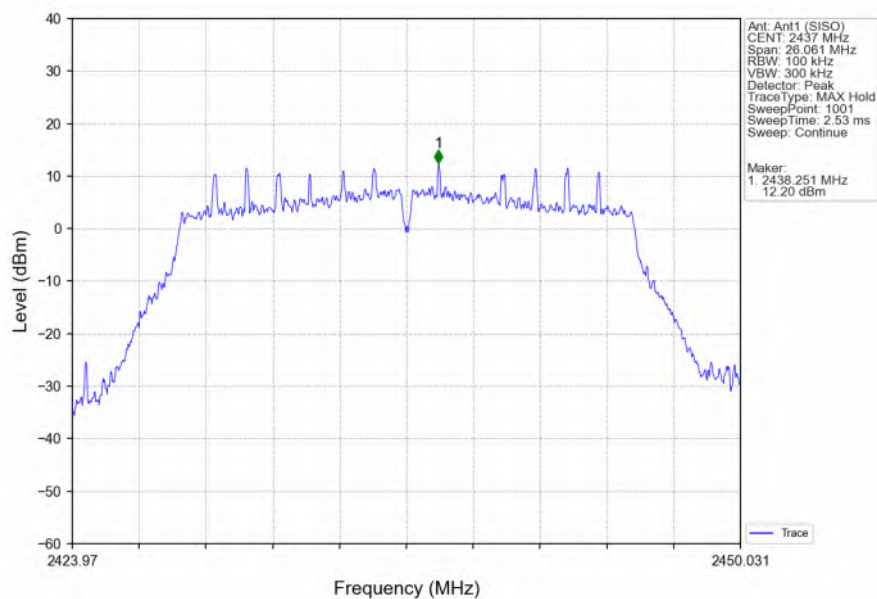
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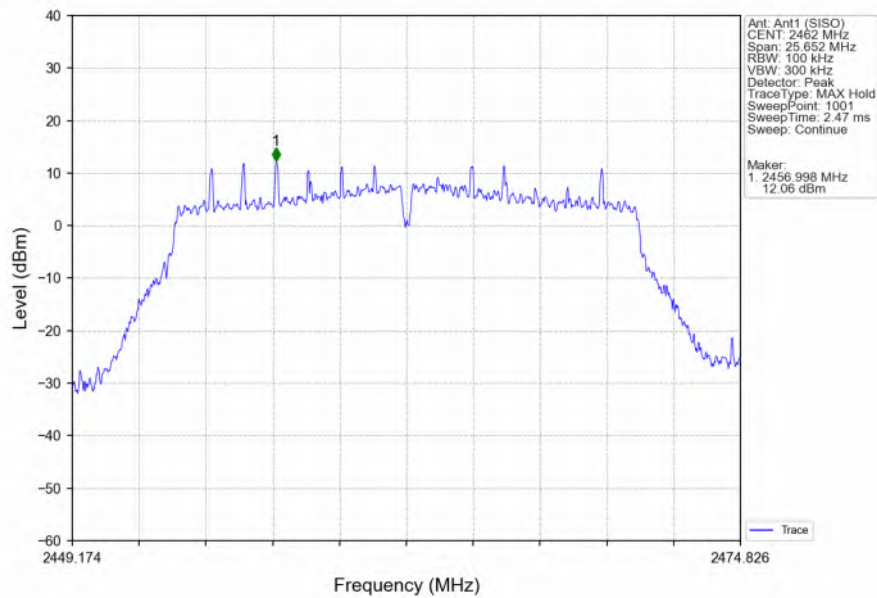
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



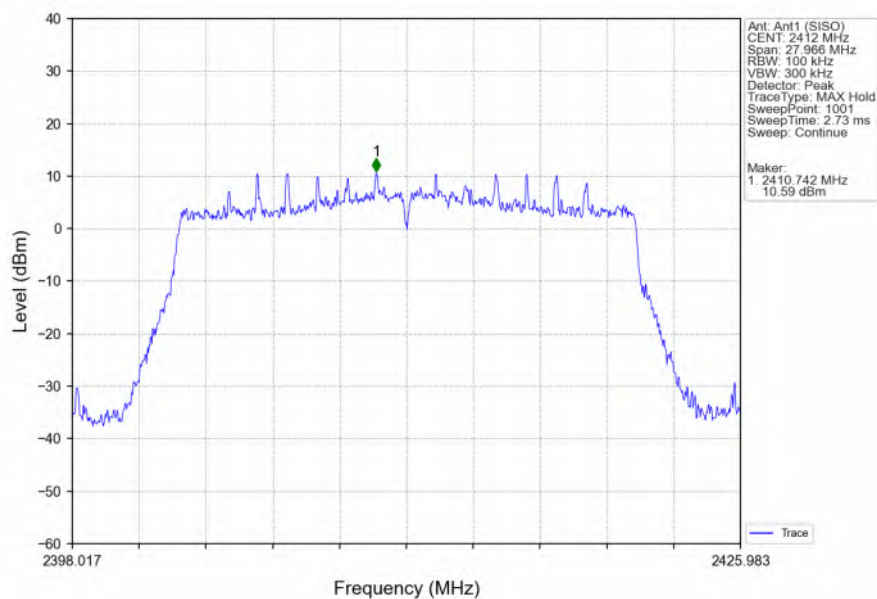
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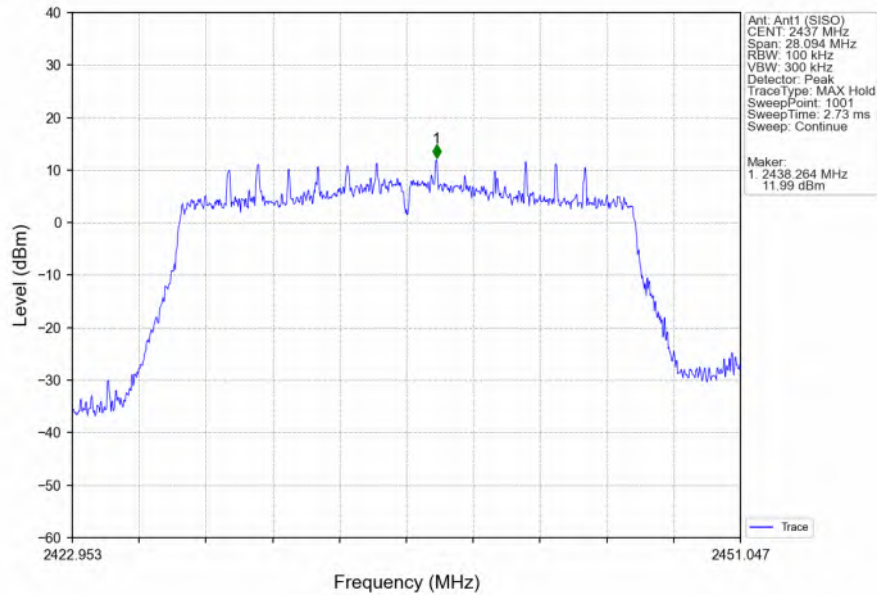
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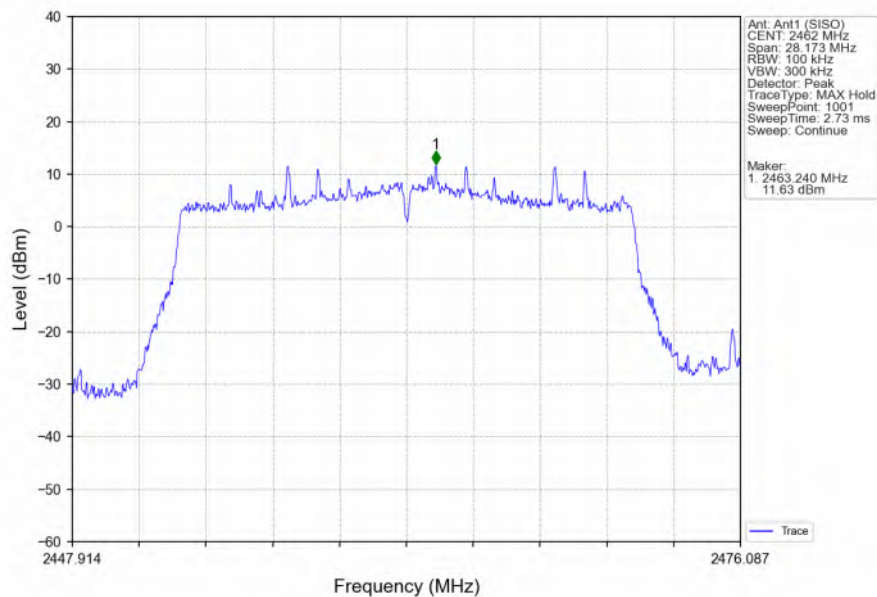
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV

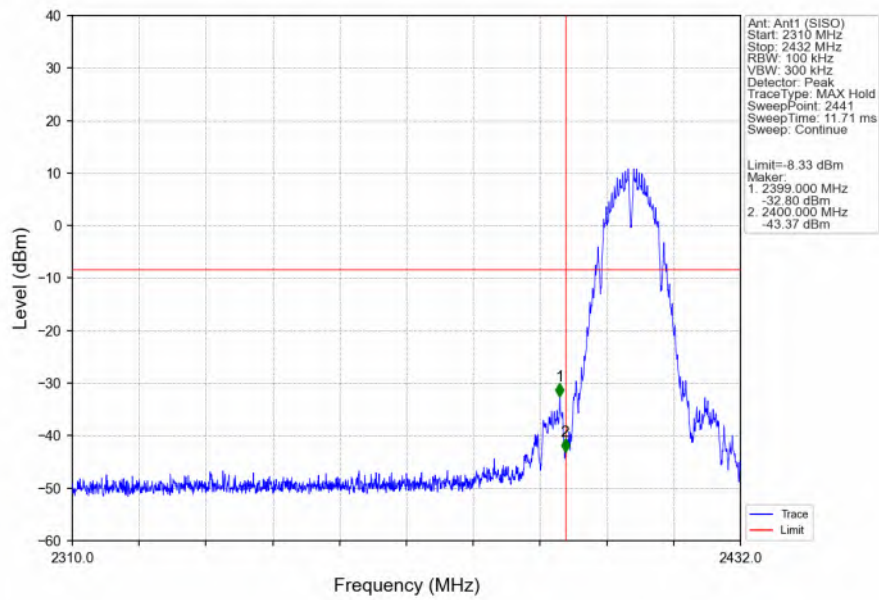


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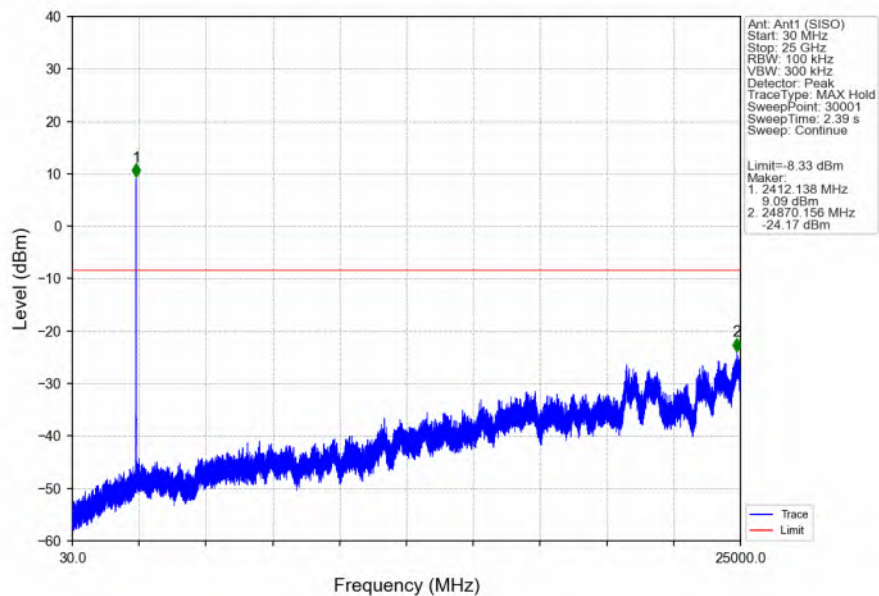


5.2.2 CSE

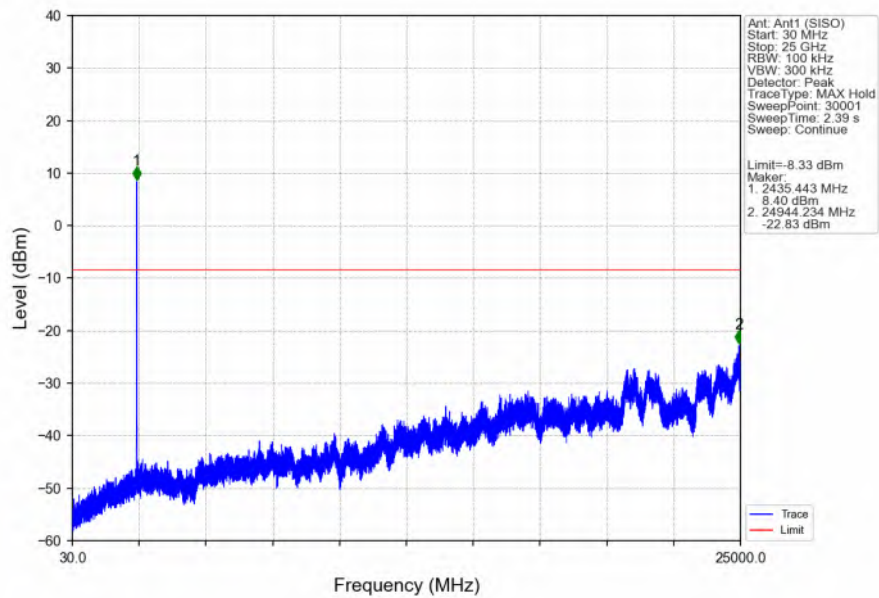
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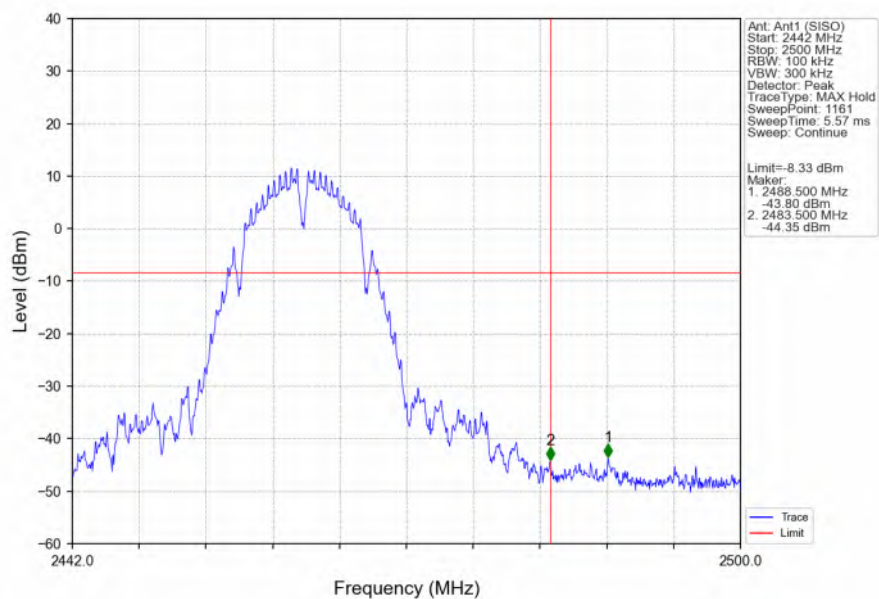
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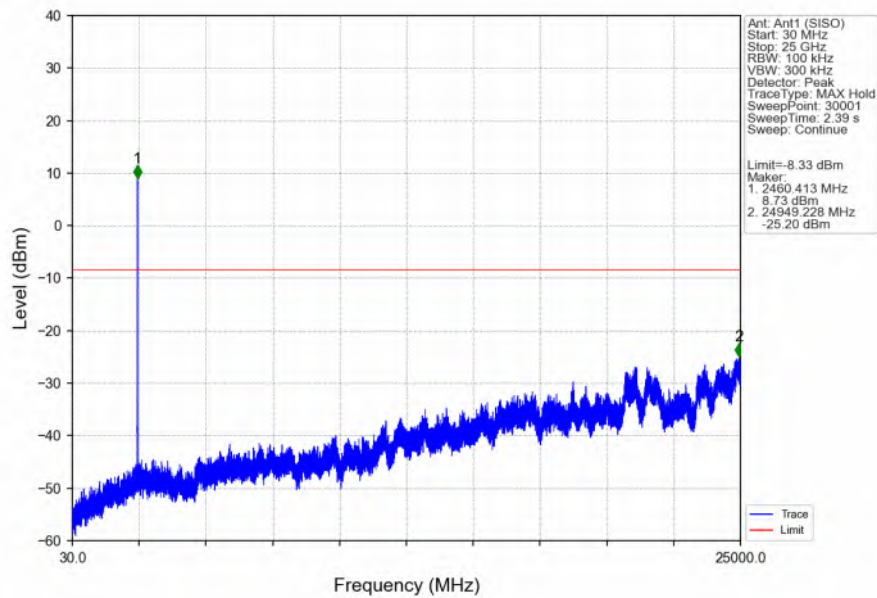
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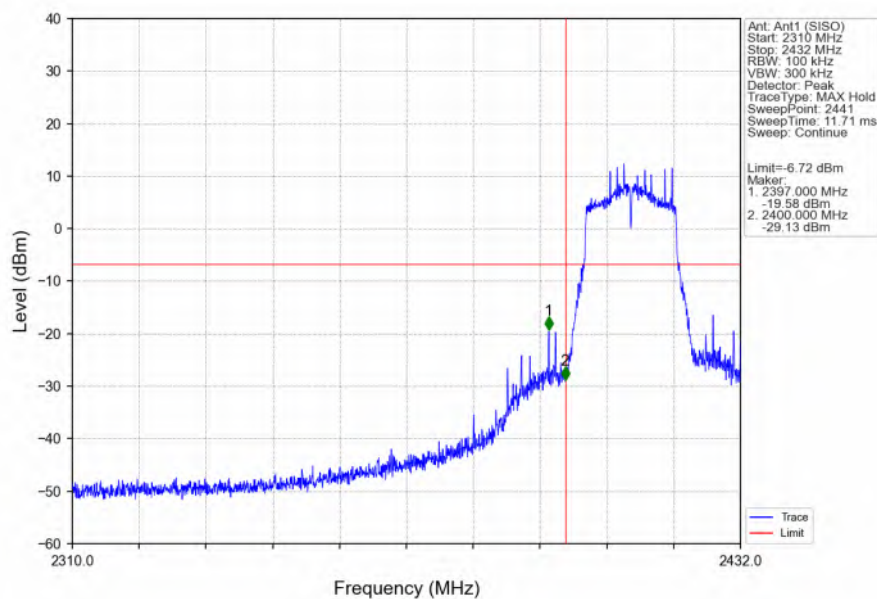
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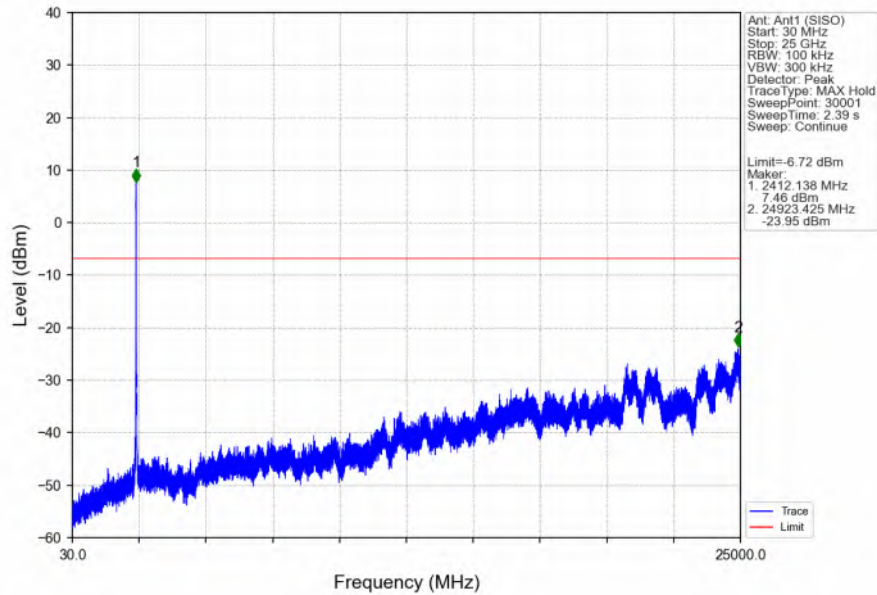
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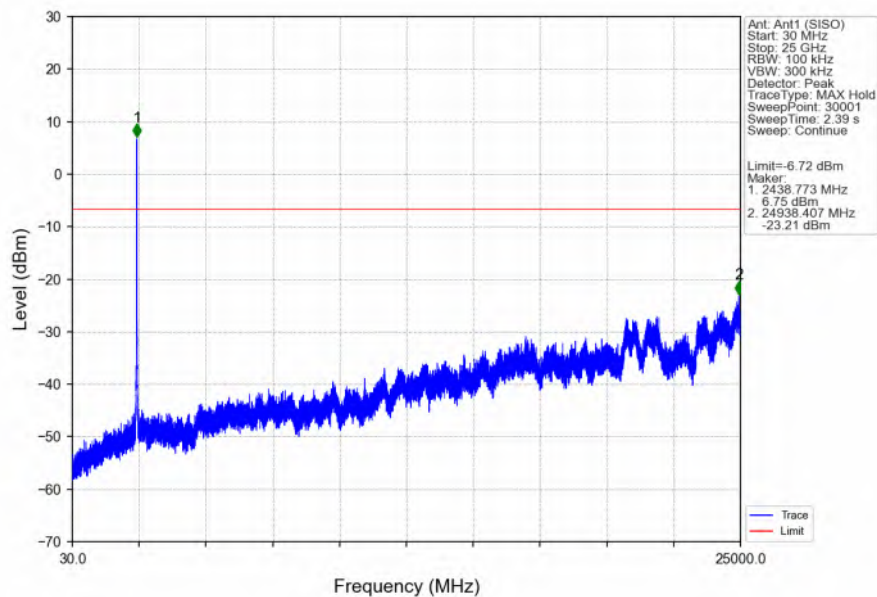
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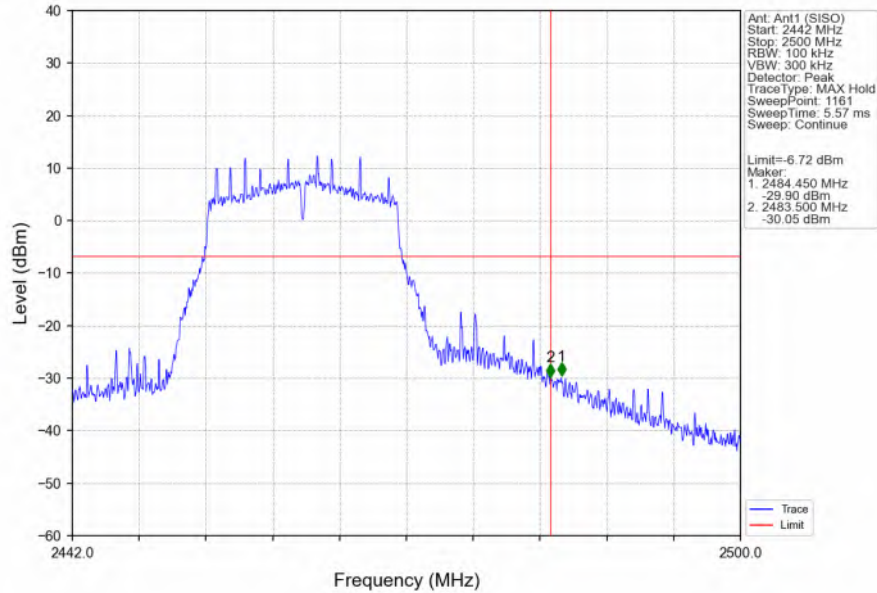
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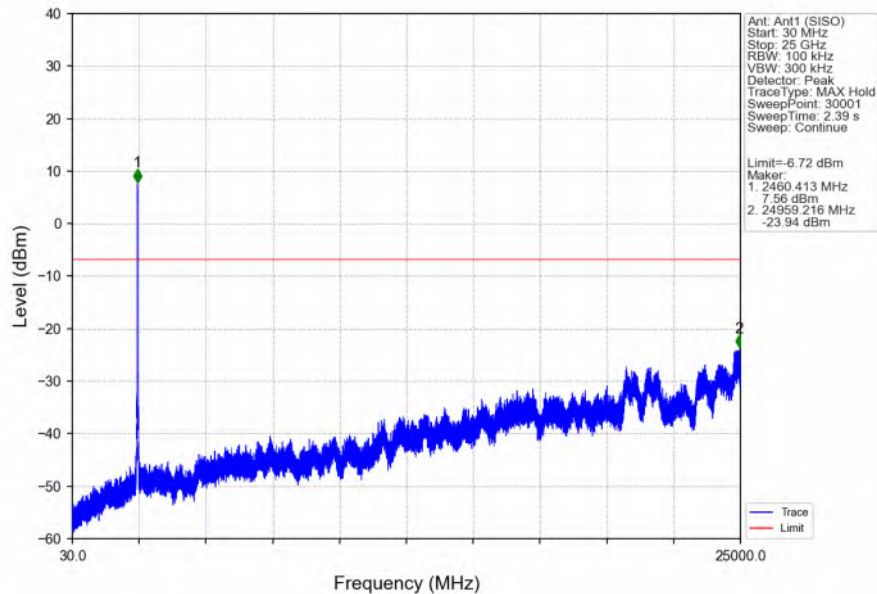
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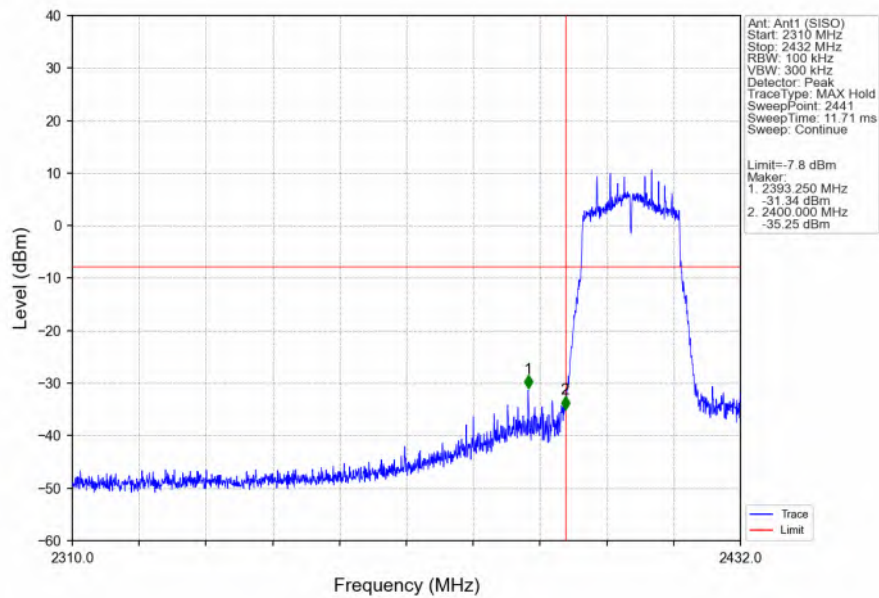
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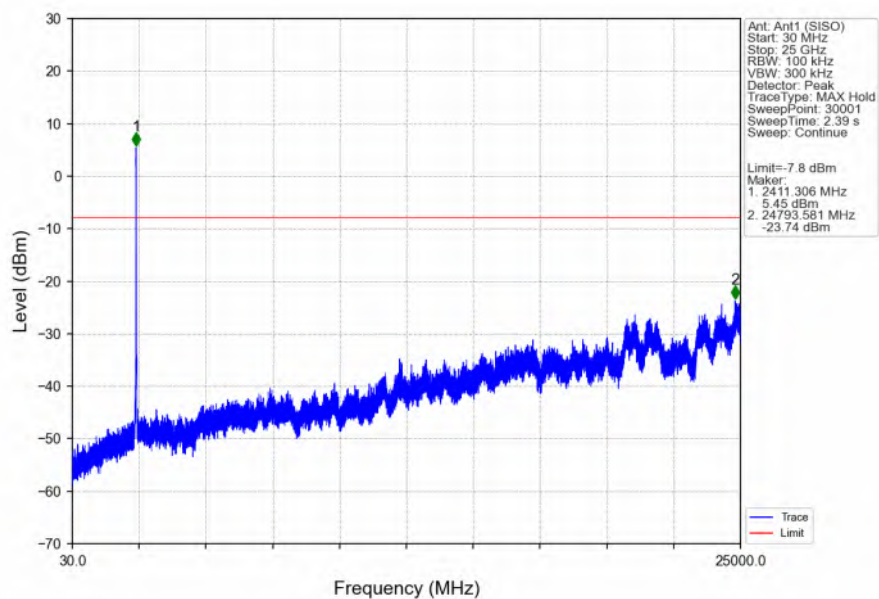
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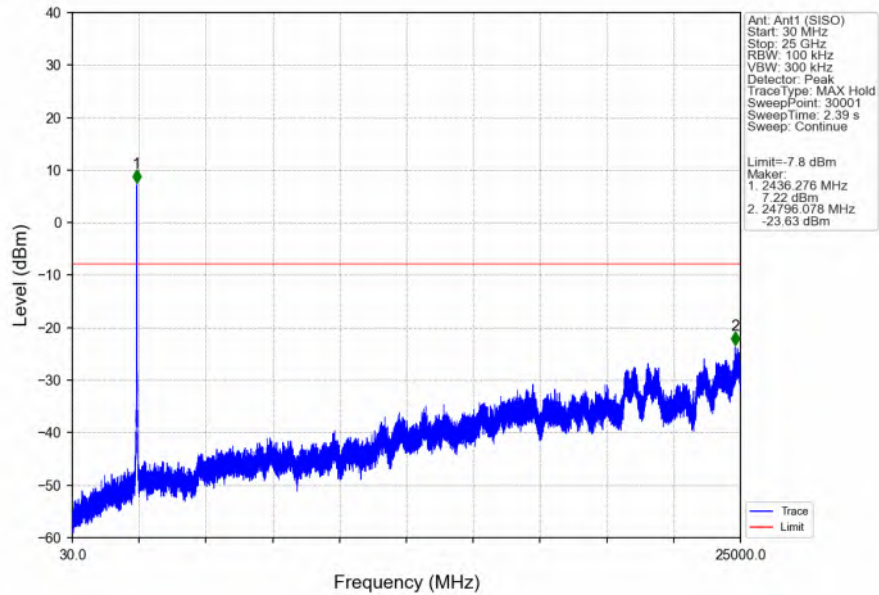
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



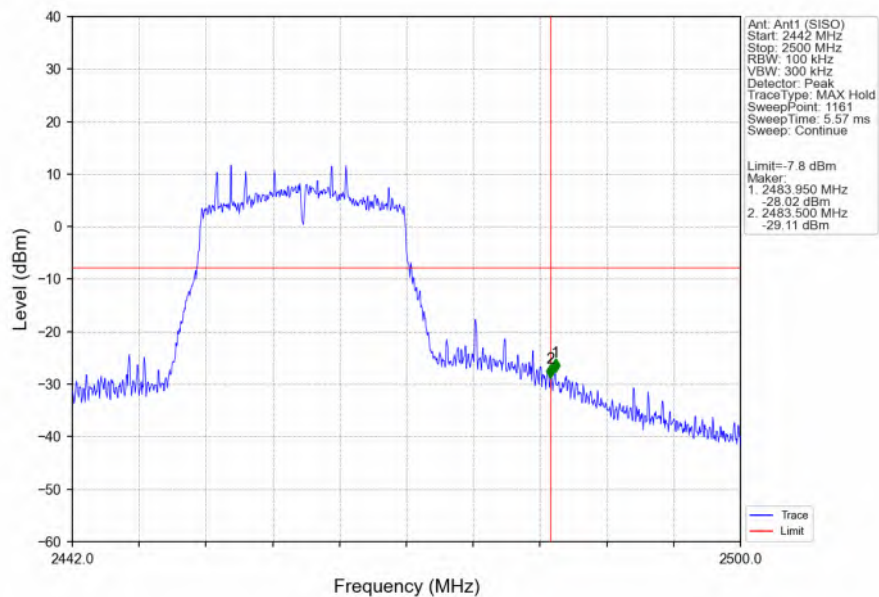
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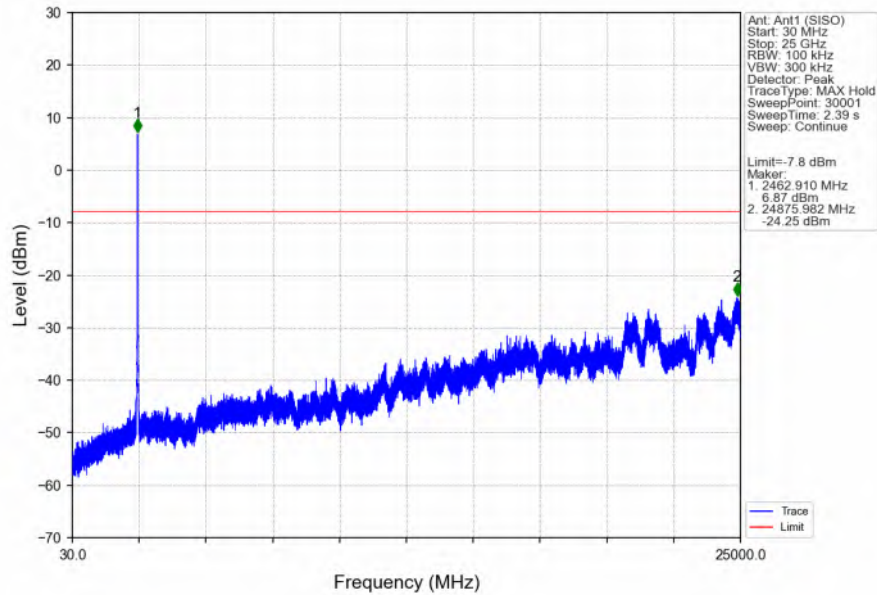
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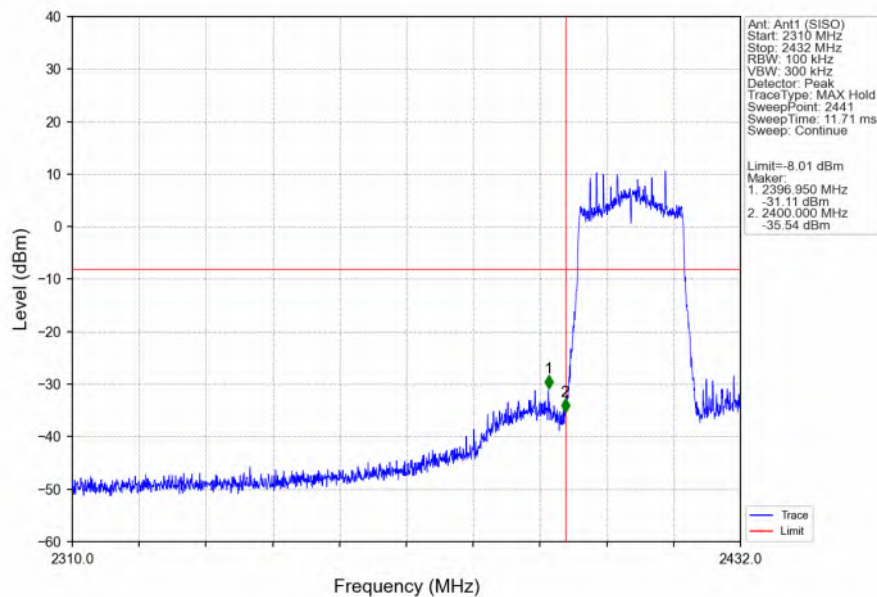
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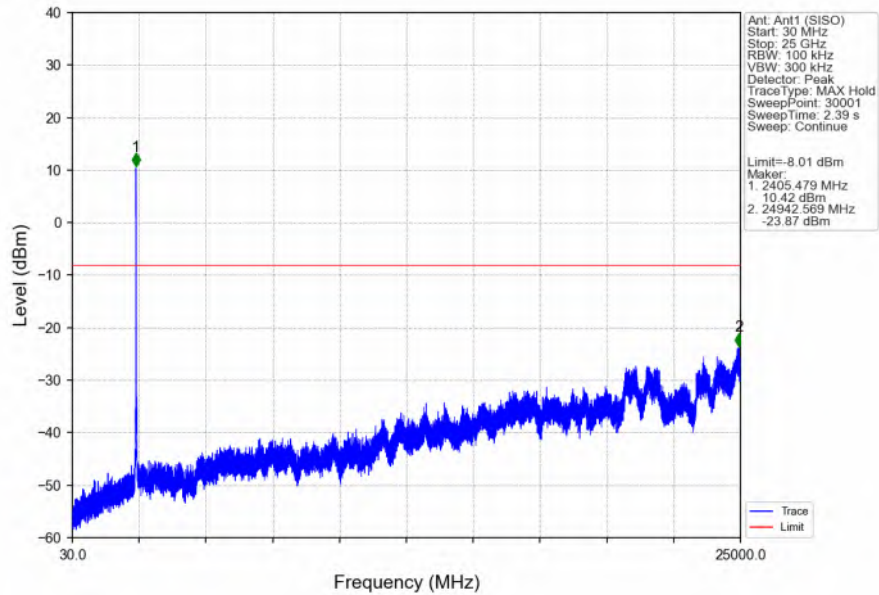
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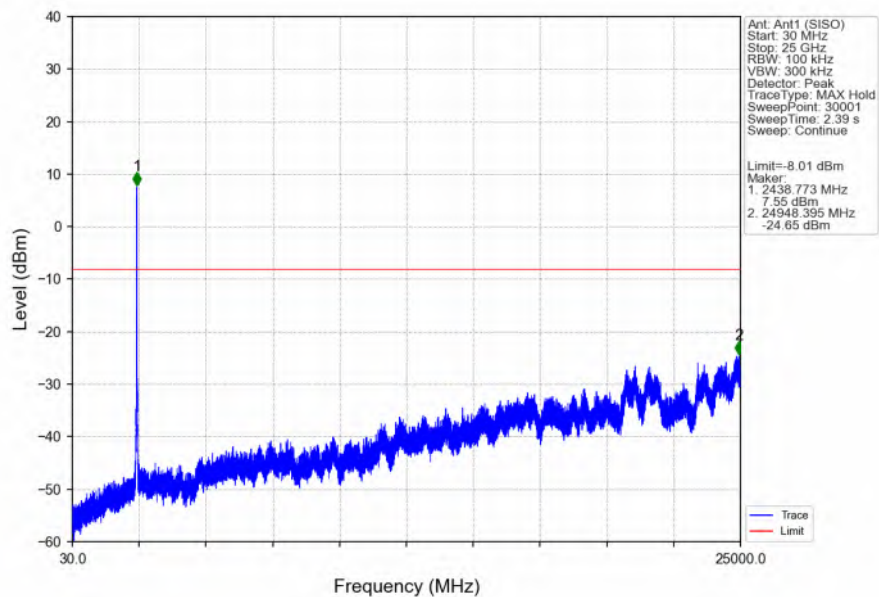
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (SISO)_NTNV



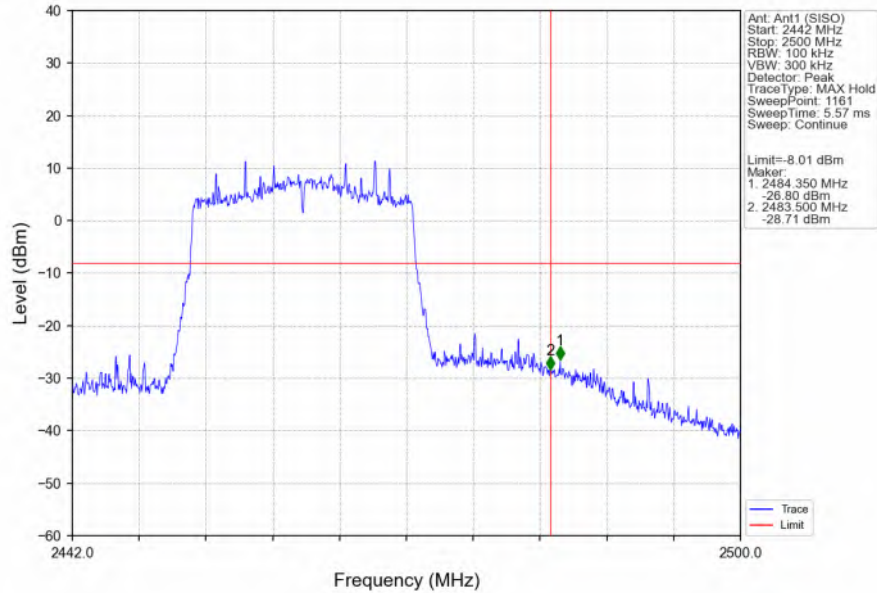
802.11ax(HEW20)_LCH_2412MHz_SU_/_Ant1 (SISO)_NTNV



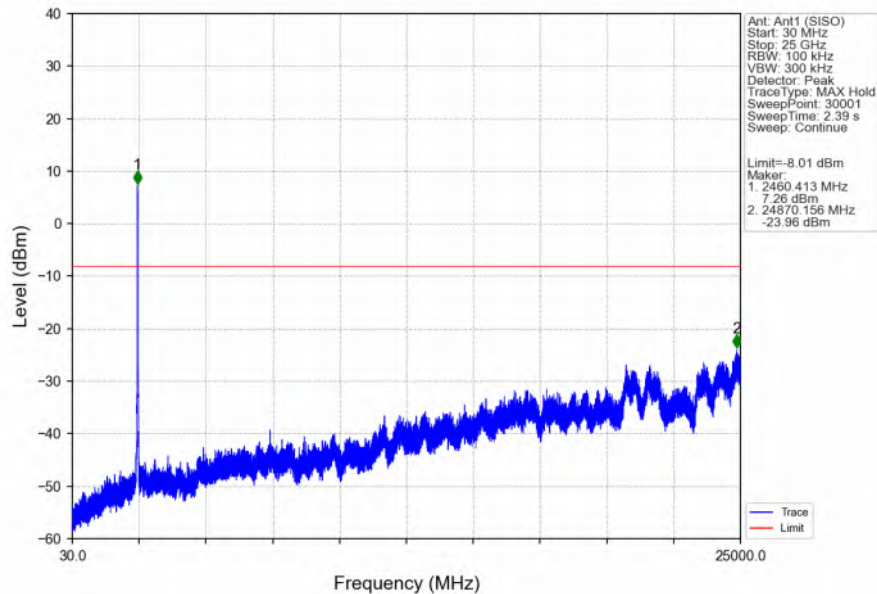
802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_SU_/_Ant1 (SISO)_NTNV



- End of the Report -