



Report No.: SUCR260600051003

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TEST REPORT

Application No.: SUCR2606000510AT
FCC ID: 2BR76-CSDSA301F
Applicant: Shanghai ZenYouful Technology Co., Ltd.
Address of Applicant: Room 1103, No.1256, 1258 Wanrong Road, Jing'an District,
Shanghai 200436, P.R. China
Manufacturer: Shanghai ZenYouful Technology Co., Ltd.
Address of Manufacturer: Room 1103, No.1256, 1258 Wanrong Road, Jing'an District,
Shanghai 200436, P.R. China
Equipment Under Test (EUT):
EUT Name: AI Scanner
Model No.: CSDSA301F
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2026-06-12
Date of Test: 2026-07-30 to 2026-08-11
Date of Issue: 2026-10-10

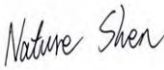
Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2026-10-10	/

Authorized for issue by:				
Prepared By				
		Nature_Shen/Project Engineer		
Approved By				
		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
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10-2020+Cor.1-2023 Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10-2020+Cor.1-2023 Section 6.10.5 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10-2020+Cor.1-2023 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+Cor.1-2023 Section 6.6 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Maximum Conducted Output Power		ANSI C63.10-2020+Cor.1-2023 Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Minimum 6dB Bandwidth		ANSI C63.10-2020+Cor.1-2023 Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Power Spectral Density		ANSI C63.10-2020+Cor.1-2023 Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement		ANSI C63.10-2020+Cor.1-2023 Section 6.10.4	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions		ANSI C63.10-2020+Cor.1-2023 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:	DC 5V,2A
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz; 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (DBPSK, DQPSK, CCK); 802.11g/n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Number of Channels:	802.11b/g/n(HT20):11;802.11n(HT40):7
Channel Spacing:	5MHz
Antenna Type:	Integral antenna
Antenna Gain:	2.98dBi(Provided by the manufacturer)

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Computer	Lenovo	/	/

4.3 Power level setting using in test

Channel	802.11b	802.11g	802.11n HT20
	Ant 1	Ant 1	Ant 1
L	19	17.5	16.5
M	19	17.5	16.5
H	19	17.5	16.5
Channel	802.11 n40		
	Ant 1		
L	16.5		
M	16.5		
H	16.5		

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	$\pm 1.56\text{dB}$ (9KHz-30MHz)
		$\pm 4.80\text{dB}$ (30MHz-1GHz)
		$\pm 4.80\text{dB}$ (1GHz-18GHz)
		$\pm 4.80\text{dB}$ (18GHz-40GHz)
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 Tongfang 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 Tongfang Technical Services (Suzhou) Co., Ltd. is accredited by the American Association for Laboratory Accreditation (A2LA).

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

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

• **ISED (CAB Identifier: CN0120)**

SGS Tongfang 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
Conducted Emission at Mains Terminals						
1	EMI Test Receive	R&S	ESR7	SUWI-01-10-01	1/14/2026	1/13/2027
2	LISN	R&S	ENV216	SUWI-01-19-03	4/22/2026	4/21/2027
3	LISN	Schwarzbeck	ENV216	SUWI-01-19-04	4/22/2026	4/21/2027
4	Test Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	N.C.R	N.C.R
5	Test Cable	Tonscend	NA	SUWI-01-03-04	4/22/2026	4/21/2027
RF Conducted Test						
1	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/14/2026	1/13/2027
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	1/14/2026	1/13/2027
4	Signal Generator	ROHDE&SCHWARZ	SMW200A	SUWI-01-07-08	1/14/2026	1/13/2027
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-08-01	1/14/2026	1/13/2027
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	4/22/2026	4/21/2027
8	Wideband Radio Communication Test Station	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	1/14/2026	1/13/2027
13	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2/11/2026	2/10/2027
14	Temperature Chamber	GIANT FORCE	ICT-017-40-SP-SD	SUWI-01-13-02	5/7/2026	5/6/2027
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	1/15/2026	1/14/2027
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	6/9/2026	6/8/2029
2	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/14/2026	1/13/2027
3	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	11/20/2025	11/19/2026
4	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/14/2026	1/13/2027
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	1/14/2026	1/13/2027

6	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	11/29/2025	11/28/2027
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	1/14/2026	1/13/2027
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/14/2026	1/13/2027
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/14/2026	1/13/2027
13	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	8/25/2025	8/24/2026
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-01-28-06	11/21/2025	11/20/2026
17	Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	1/14/2026	1/13/2027
18	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/14/2026	1/13/2027
19	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/11/2026	2/10/2027
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	1/15/2026	1/14/2027

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 Integral antenna and no consideration of replacement. The best case gain of the antenna is 2.98dBi.

Antenna location: Refer to internal photo.

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+Cor.1-2023 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: 22 °C

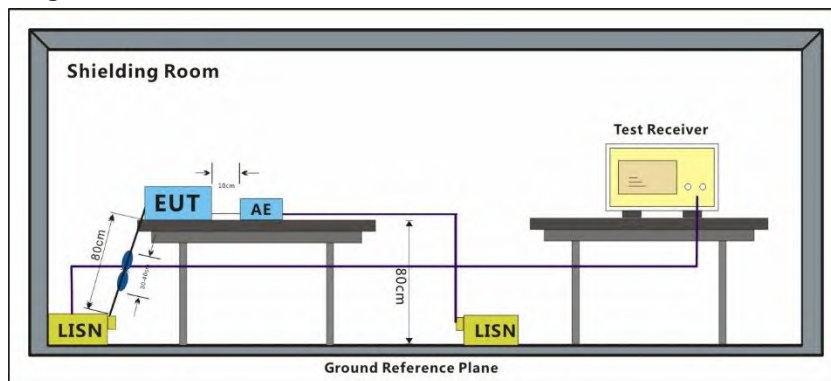
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram

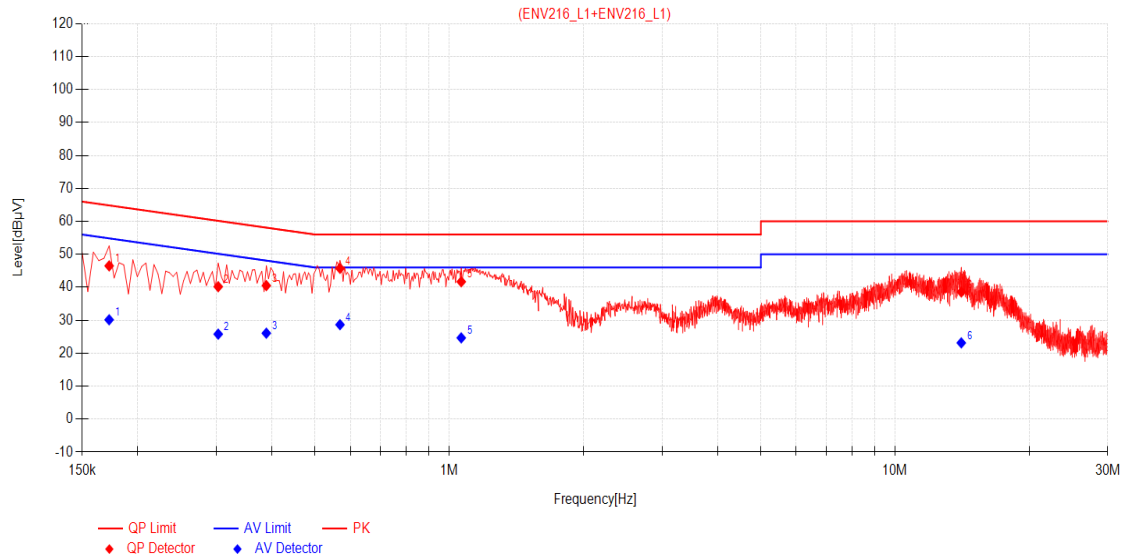


7.1.4 Measurement Procedure and Data

- 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

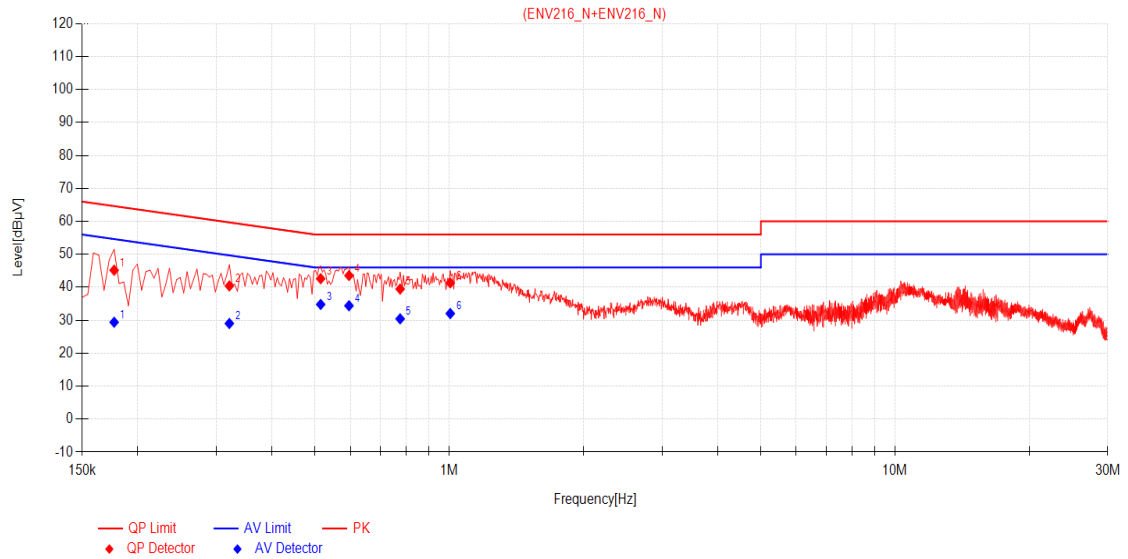
Test Mode: 04; Line: Live line



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	0.1725	9.95	36.54	46.49	64.84	18.35	20.20	30.15	54.84	24.69	PASS
2	0.3030	9.96	30.22	40.18	60.16	19.98	15.82	25.78	50.16	24.38	PASS
3	0.3885	9.96	30.55	40.51	58.10	17.59	16.11	26.07	48.10	22.03	PASS
4	0.5685	9.93	35.80	45.73	56.00	10.27	18.72	28.65	46.00	17.35	PASS
5	1.0635	9.93	31.75	41.68	56.00	14.32	14.73	24.66	46.00	21.34	PASS
6	14.0820	10.49	28.08	38.57	60.00	21.43	12.65	23.14	50.00	26.86	PASS

Test Mode: 04; 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	0.1770	9.97	35.21	45.18	64.63	19.45	19.42	29.39	54.63	25.24	PASS
2	0.3210	9.95	30.46	40.41	59.68	19.27	19.07	29.02	49.68	20.66	PASS
3	0.5145	9.90	32.71	42.61	56.00	13.39	24.90	34.80	46.00	11.20	PASS
4	0.5955	9.91	33.65	43.56	56.00	12.44	24.49	34.40	46.00	11.60	PASS
5	0.7755	9.92	29.55	39.47	56.00	16.53	20.51	30.43	46.00	15.57	PASS
6	1.0050	9.91	31.43	41.34	56.00	14.66	22.12	32.03	46.00	13.97	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+Cor.1-2023 Section 6.10.5 & 11.12

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: 22 °C

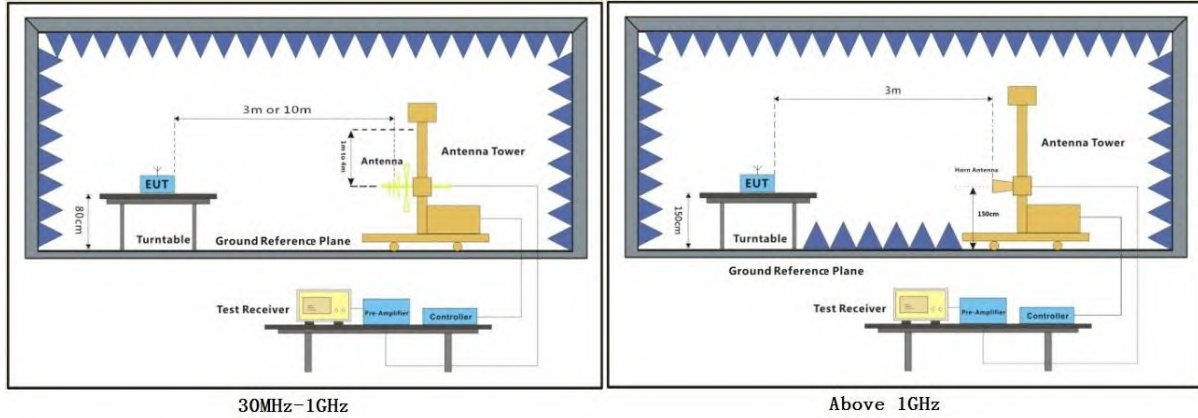
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. 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.

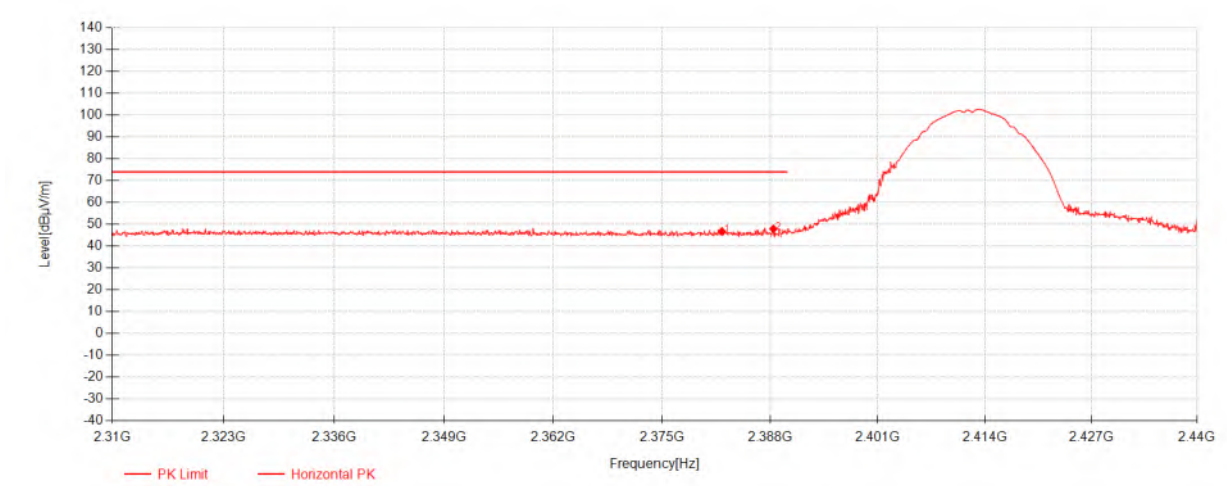
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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.

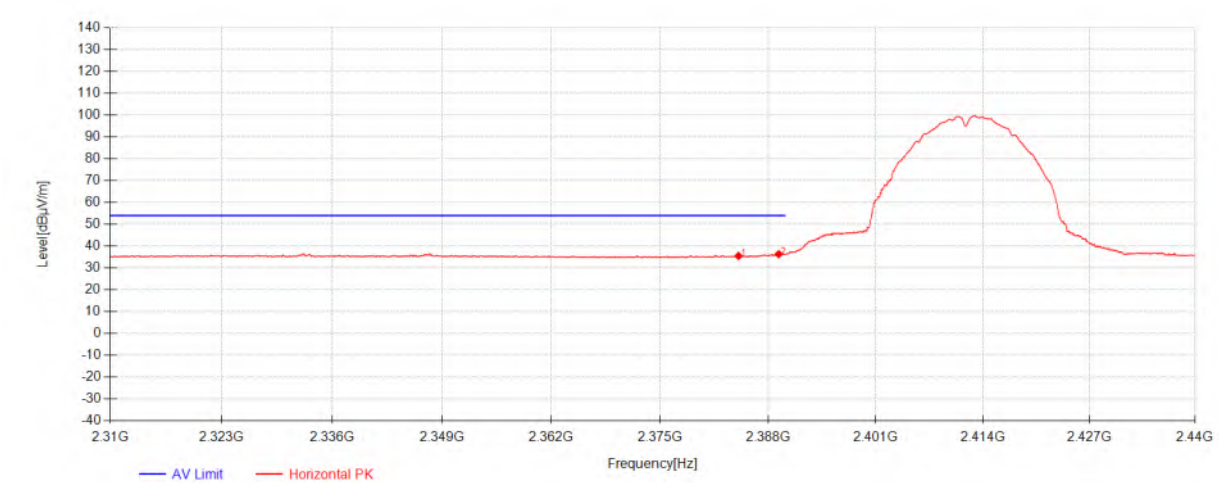
Remark 4: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

11b_TX_CH_01_Horizontal_Peak



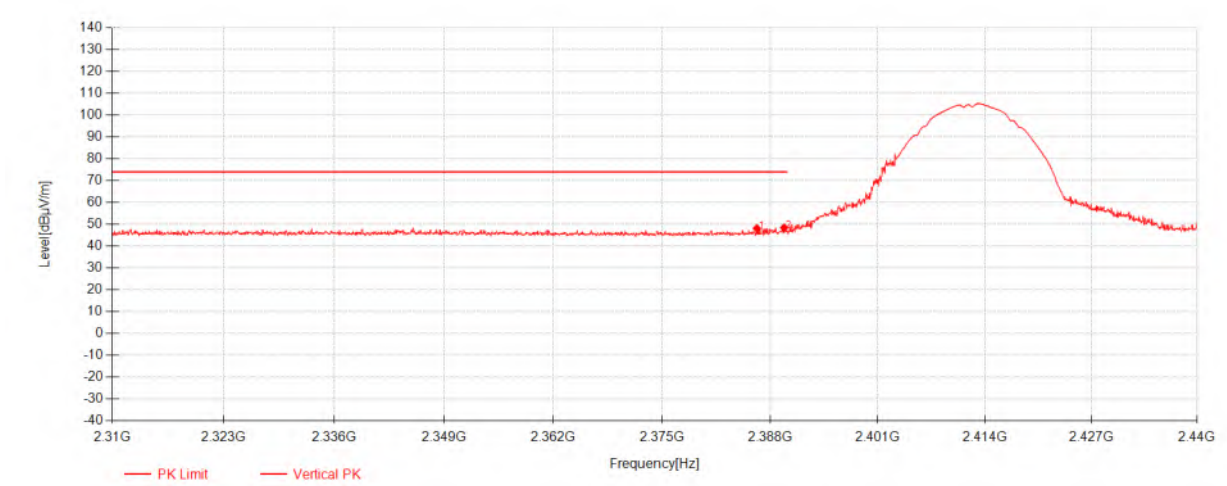
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2382.1933	43.24	26.99	-23.51	46.72	74.00	27.28	Horizontal
2	2388.39	44.44	27.00	-23.51	47.92	74.00	26.08	Horizontal

11b_TX_CH_01_Horizontal_Average



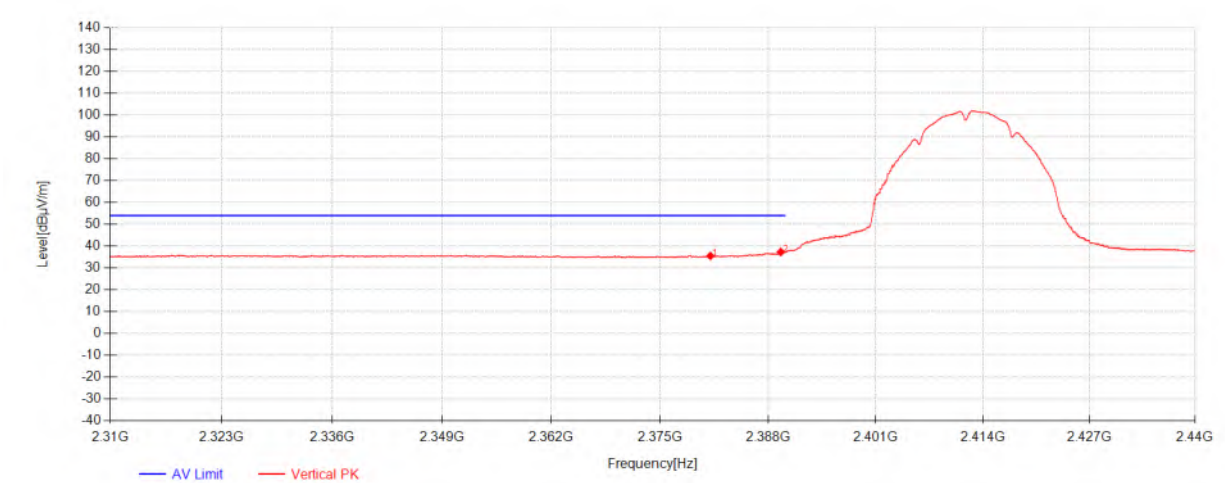
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2384.425	32.02	26.99	-23.51	35.50	54.00	18.50	Horizontal
2	2389.2675	32.84	27.00	-23.52	36.32	54.00	17.68	Horizontal

11b_TX_CH_01_Vertical_Peak



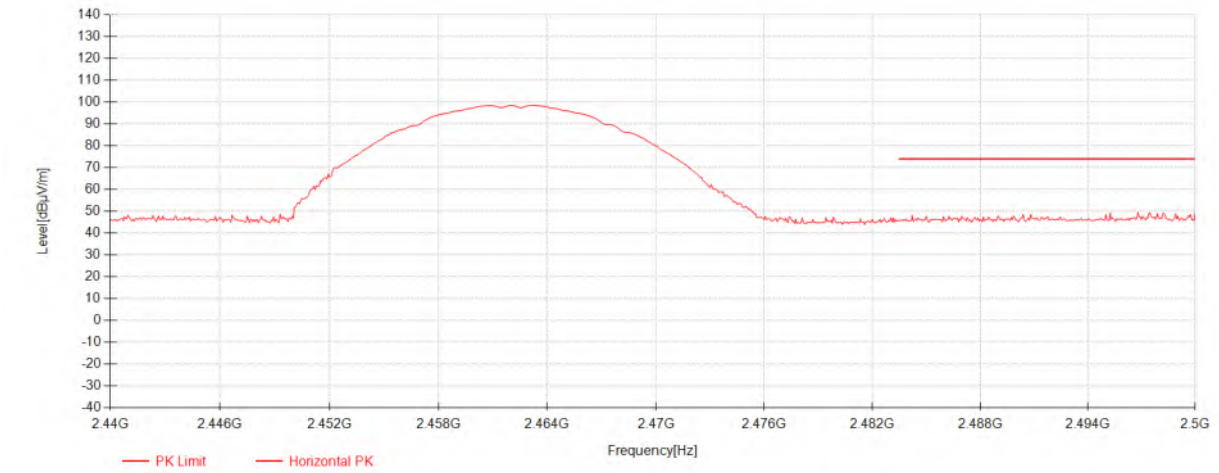
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.3967	44.69	27.00	-23.51	48.17	74.00	25.83	Vertical
2	2389.69	44.98	27.00	-23.52	48.46	74.00	25.54	Vertical

11b_TX_CH_01_Vertical_Average



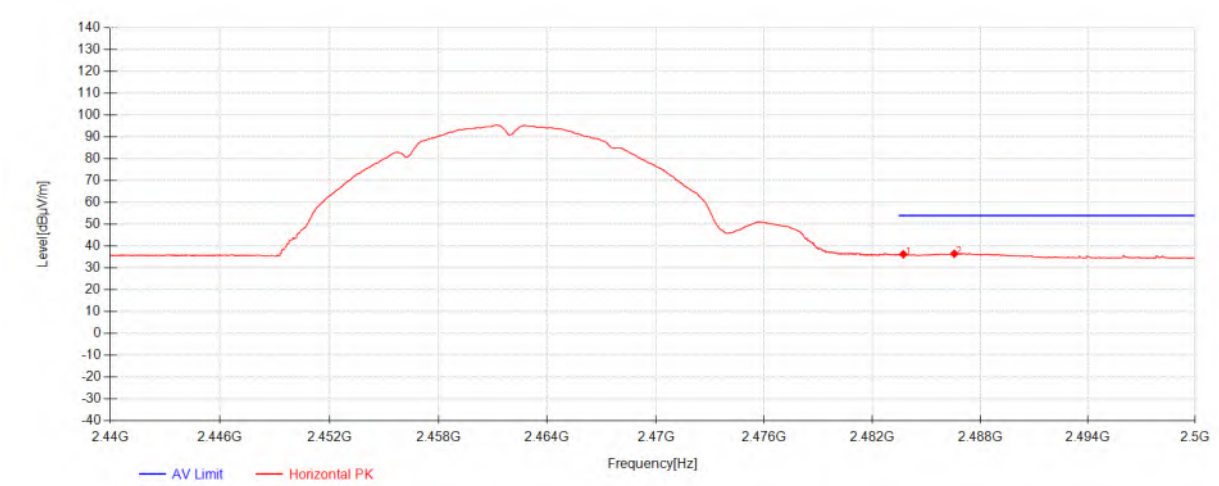
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2381.045	32.04	26.99	-23.51	35.52	54.00	18.48	Vertical
2	2389.5275	33.84	27.00	-23.52	37.32	54.00	16.68	Vertical

11b_TX_CH_11_Horizontal_Peak



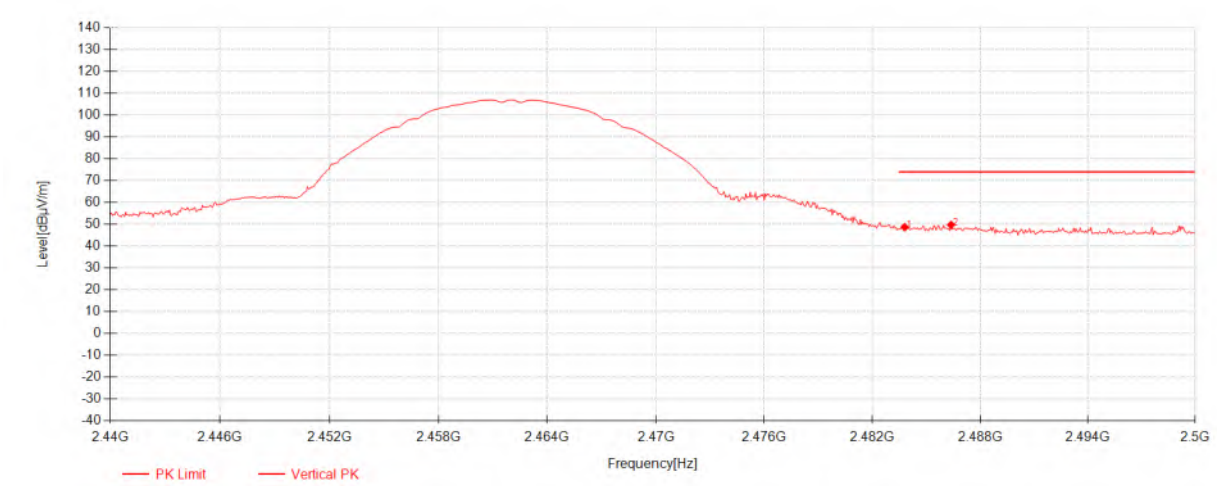
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.22	44.01	27.17	-23.18	48.01	74.00	25.99	Horizontal
2	2486.98	43.74	27.18	-23.16	47.75	74.00	26.25	Horizontal

11b_TX_CH_11_Horizontal_Average



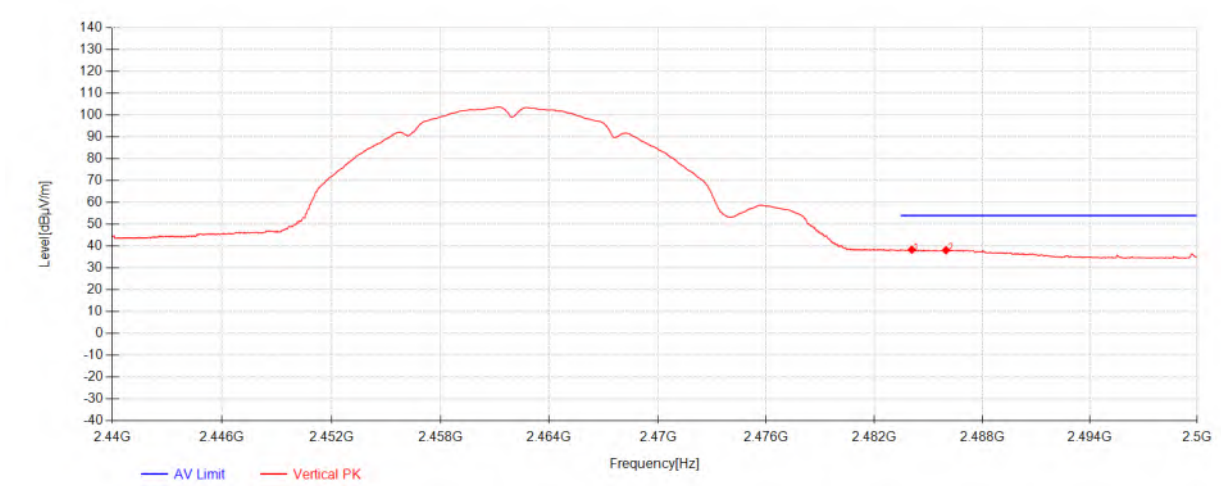
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.725	32.26	27.17	-23.18	36.25	54.00	17.75	Horizontal
2	2486.56	32.52	27.18	-23.17	36.53	54.00	17.47	Horizontal

11b_TX_CH_11_Vertical_Peak



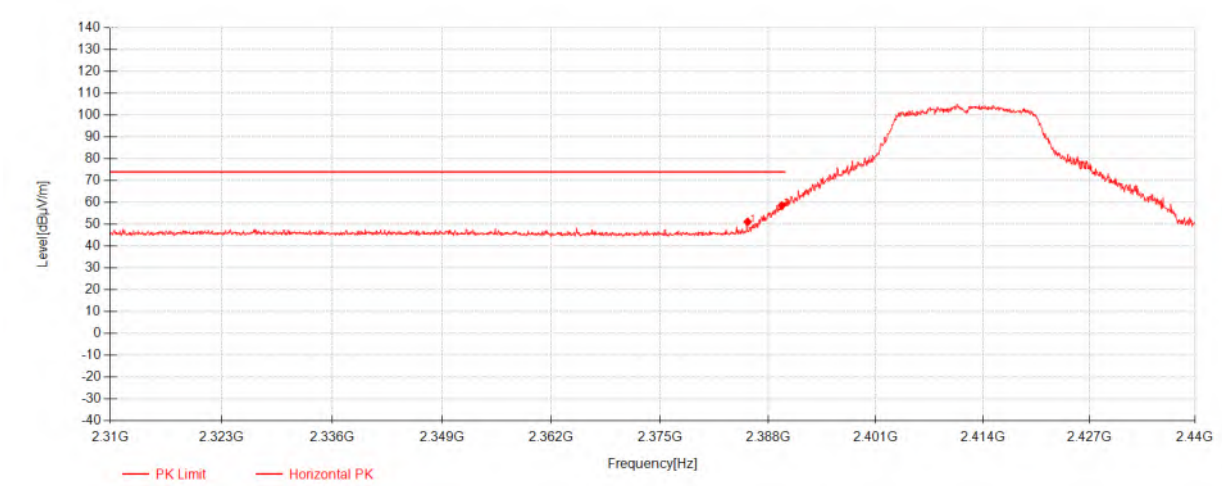
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	44.72	27.17	-23.18	48.71	74.00	25.29	Vertical
2	2486.38	45.73	27.18	-23.17	49.74	74.00	24.26	Vertical

11b_TX_CH_11_Vertical_Average



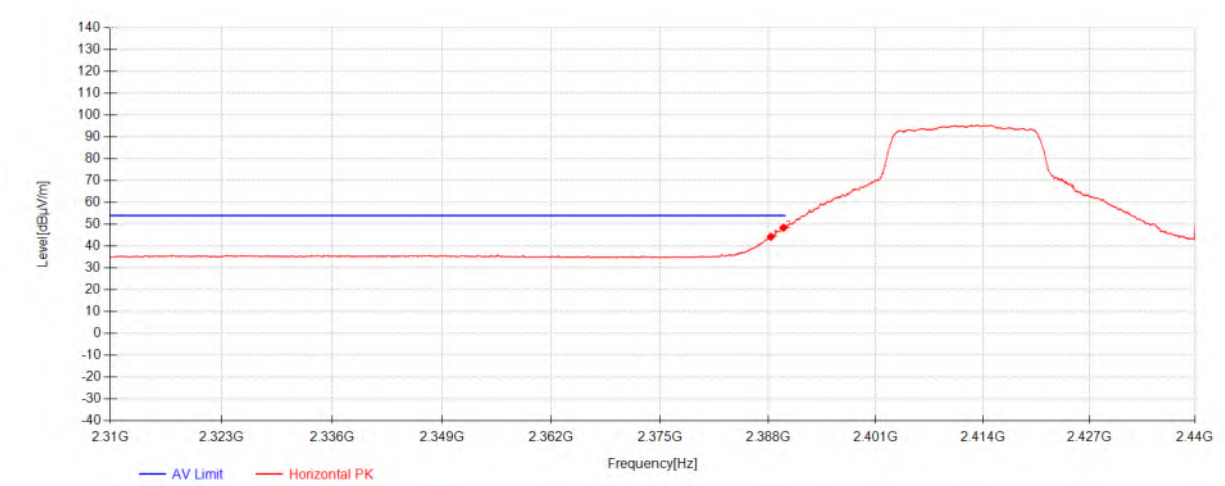
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.085	34.36	27.17	-23.18	38.35	54.00	15.65	Vertical
2	2485.99	34.10	27.17	-23.17	38.11	54.00	15.89	Vertical

11n(HT20)_TX_CH_01_Horizontal_Peak



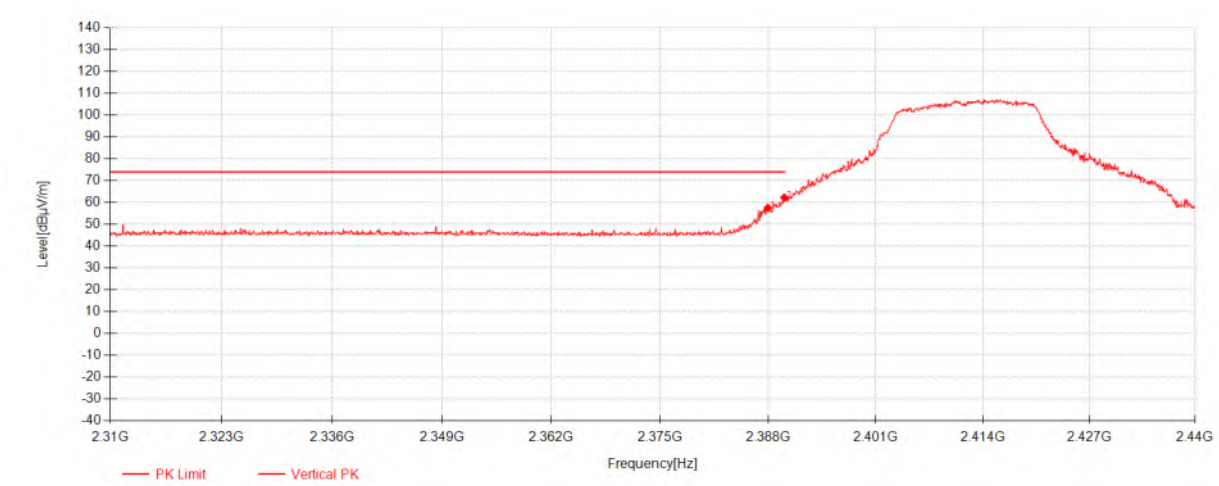
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2385.53	47.67	26.99	-23.51	51.15	74.00	22.85	Horizontal
2	2389.6467	55.19	27.00	-23.52	58.67	74.00	15.33	Horizontal

11n(HT20)_TX_CH_01_Horizontal_Average



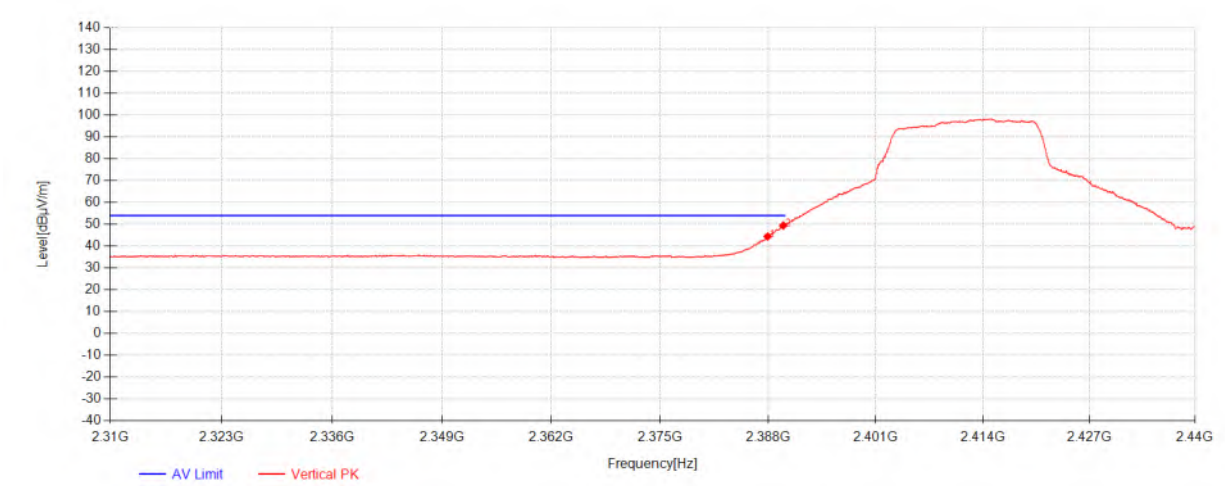
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.325	40.84	27.00	-23.51	44.32	54.00	9.68	Horizontal
2	2389.8525	44.97	27.00	-23.52	48.45	54.00	5.55	Horizontal

11n(HT20)_TX_CH_01_Vertical_Peak



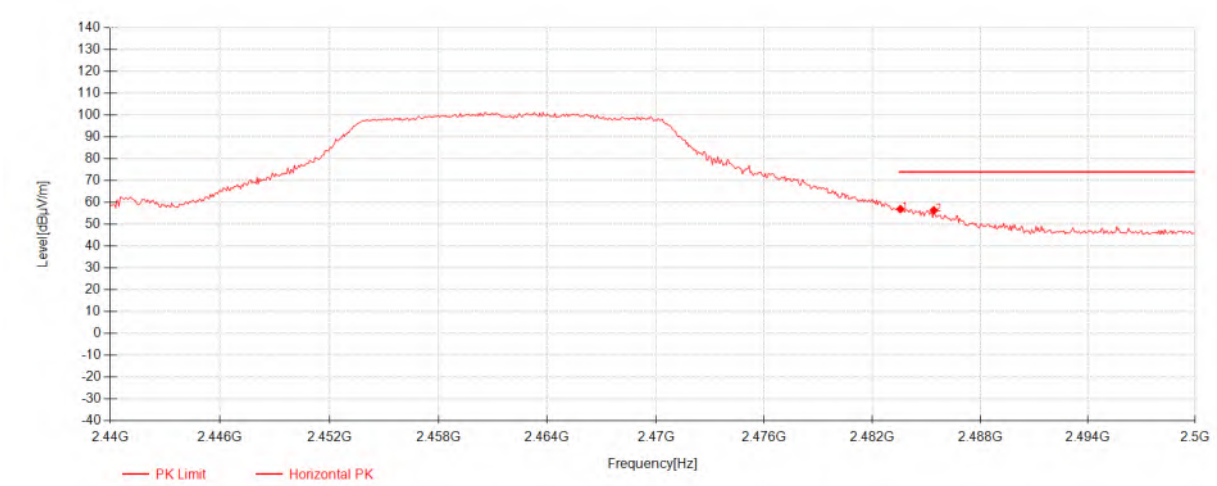
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.9567	54.06	27.00	-23.51	57.54	74.00	16.46	Vertical
2	2389.95	58.75	27.00	-23.52	62.23	74.00	11.77	Vertical

11n(HT20)_TX_CH_01_Vertical_Average



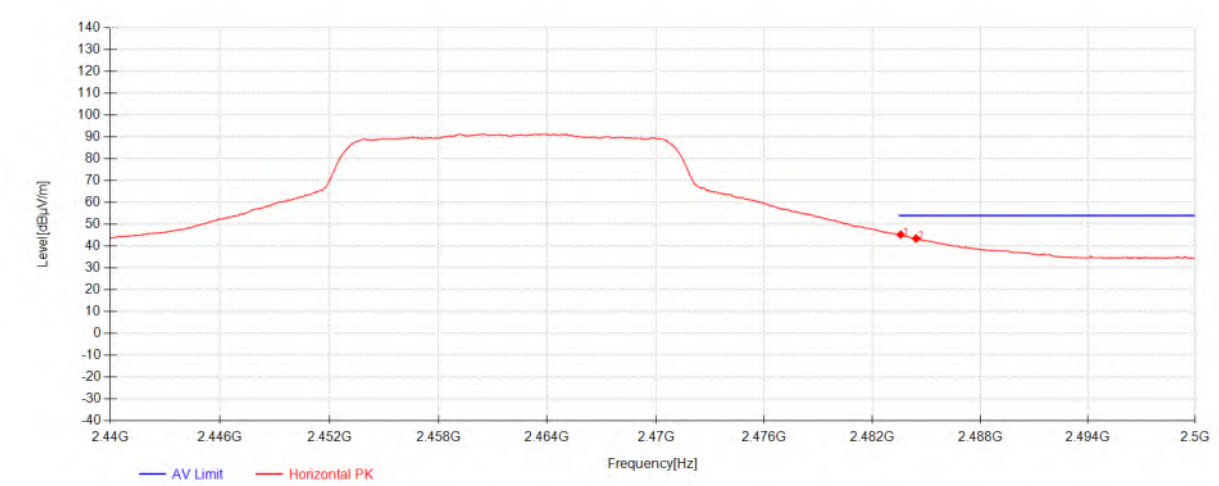
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.935	40.92	27.00	-23.51	44.40	54.00	9.60	Vertical
2	2389.82	45.98	27.00	-23.52	49.46	54.00	4.54	Vertical

11n(HT20)_TX_CH_11_Horizontal_Peak



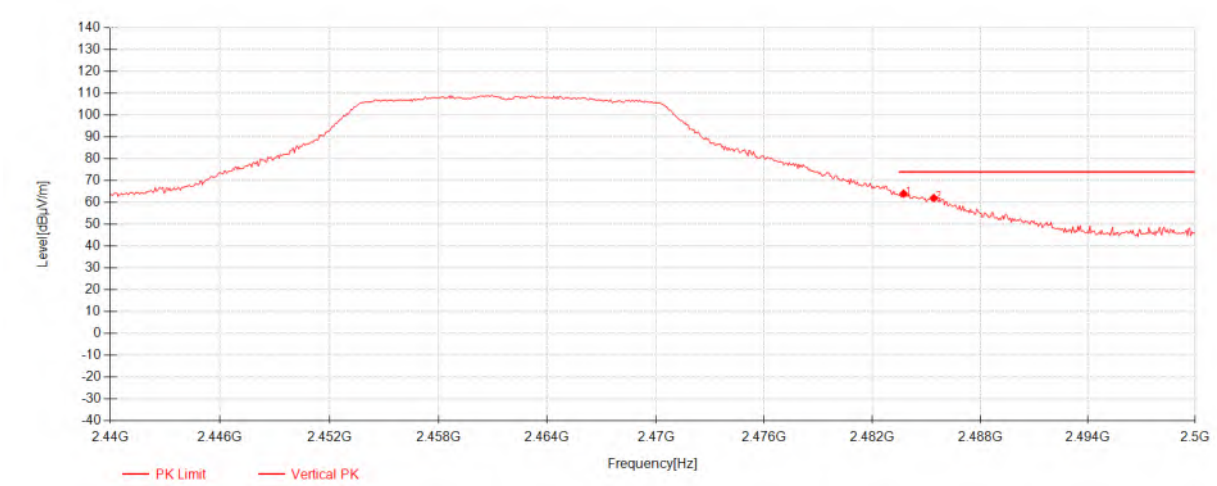
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.56	52.99	27.17	-23.18	56.98	74.00	17.02	Horizontal
2	2485.42	52.42	27.17	-23.17	56.42	74.00	17.58	Horizontal

11n(HT20)_TX_CH_11_Horizontal_Average



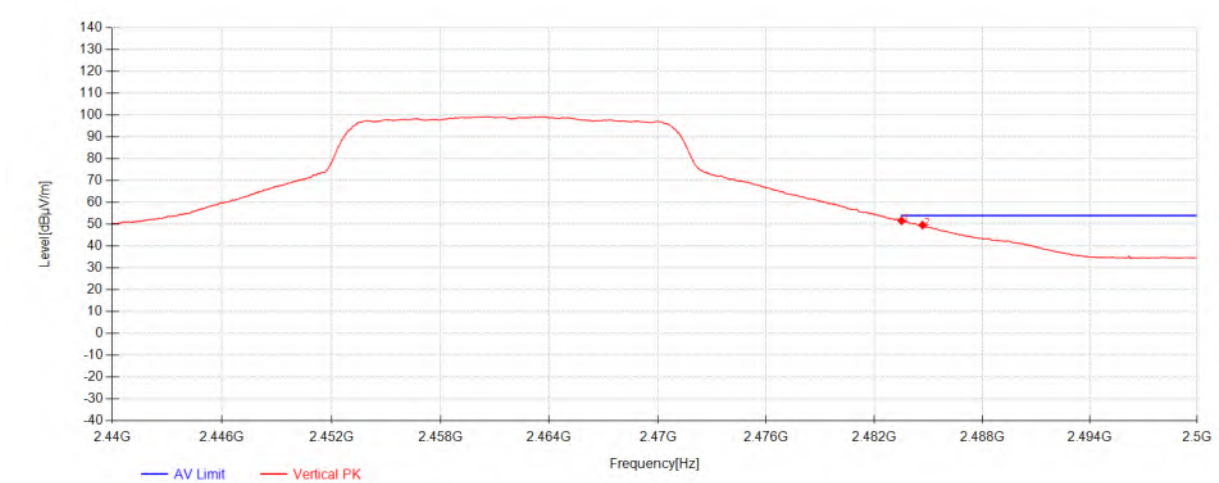
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.575	41.31	27.17	-23.18	45.30	54.00	8.70	Horizontal
2	2484.43	39.50	27.17	-23.18	43.50	54.00	10.50	Horizontal

11n(HT20)_TX_CH_11_Vertical_Peak



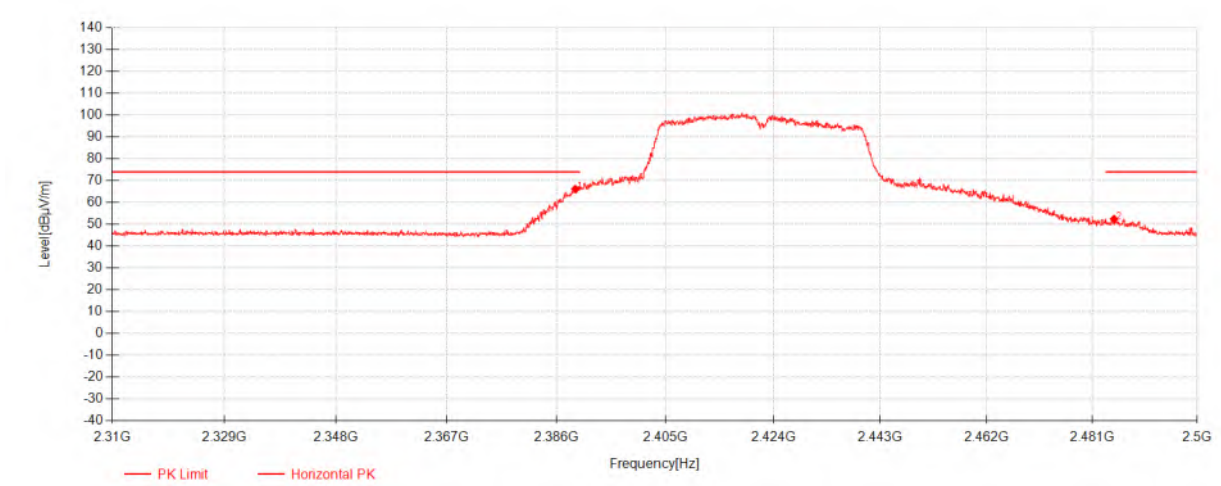
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.74	60.08	27.17	-23.18	64.07	74.00	9.93	Vertical
2	2485.42	58.06	27.17	-23.17	62.06	74.00	11.94	Vertical

11n(HT20)_TX_CH_11_Vertical_Average



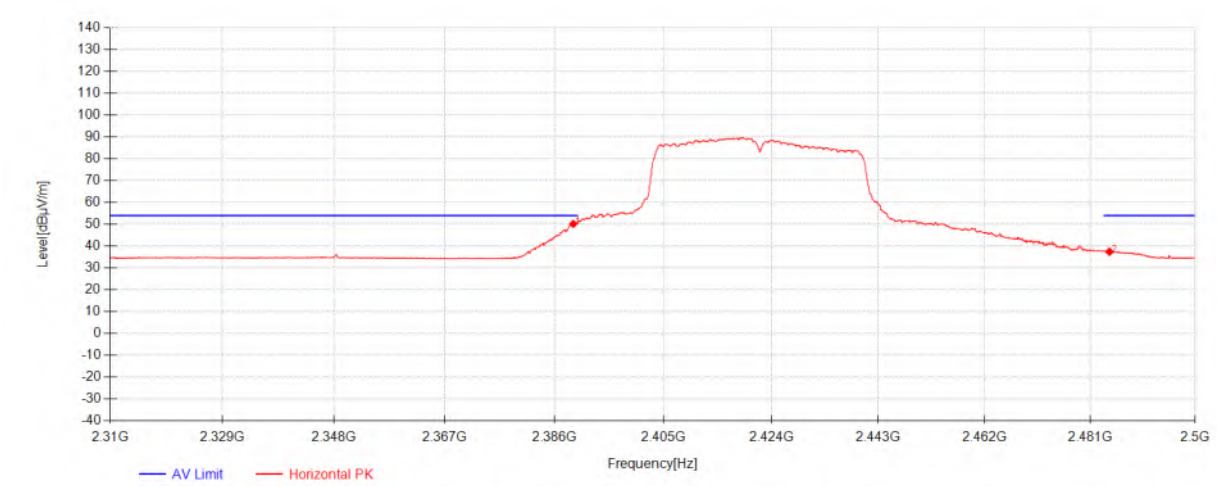
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.515	47.65	27.17	-23.18	51.64	54.00	2.36	Vertical
2	2484.685	45.64	27.17	-23.17	49.64	54.00	4.36	Vertical

11n(HT40)_TX_CH_03_Horizontal_Peak



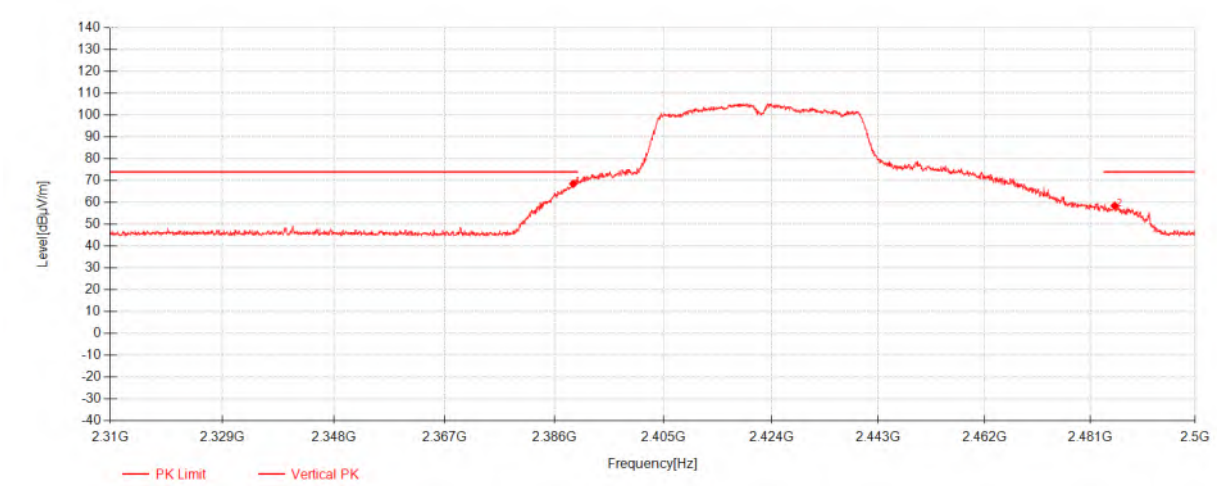
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.2775	62.72	27.00	-23.52	66.20	74.00	7.80	Horizontal
2	2484.9425	48.46	27.17	-23.17	52.46	74.00	21.54	Horizontal

11n(HT40)_TX_CH_03_Horizontal_Average



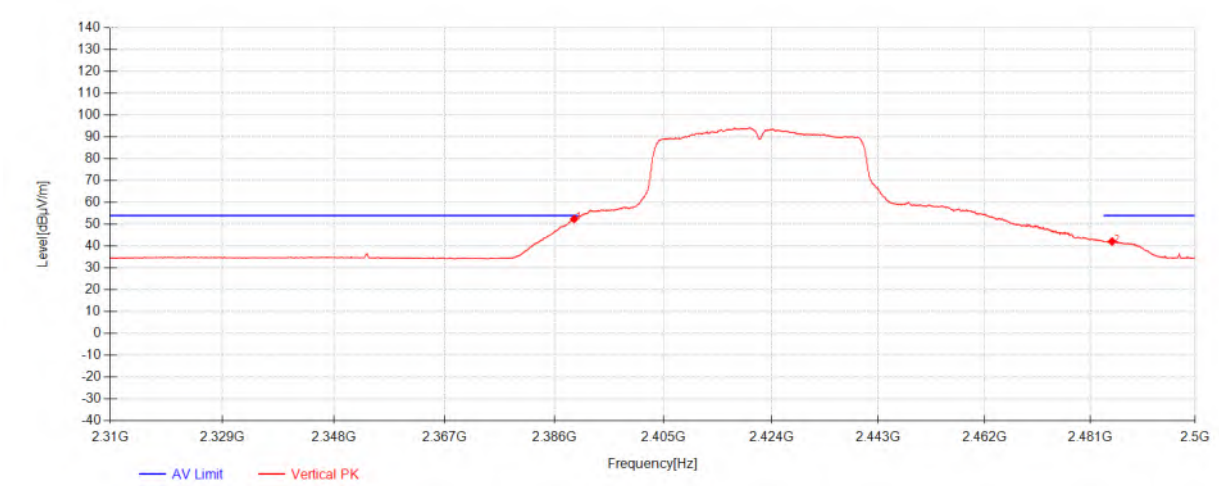
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.2775	46.70	27.00	-23.52	50.18	54.00	3.82	Horizontal
2	2484.4675	33.47	27.17	-23.18	37.47	54.00	16.53	Horizontal

11n(HT40)_TX_CH_03_Vertical_Peak



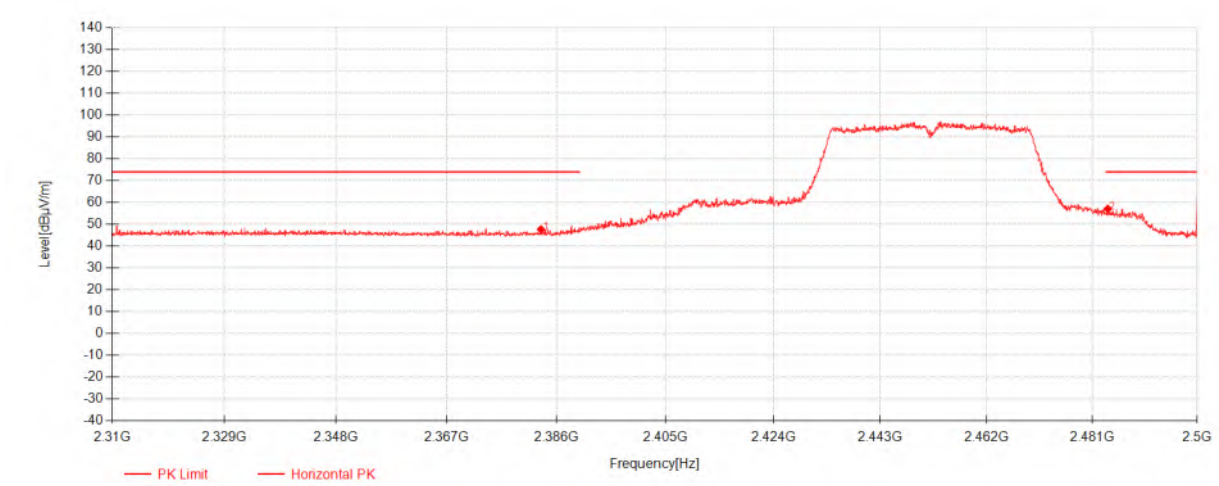
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.2775	65.09	27.00	-23.52	68.57	74.00	5.43	Vertical
2	2485.4175	54.52	27.17	-23.17	58.52	74.00	15.48	Vertical

11n(HT40)_TX_CH_03_Vertical_Average



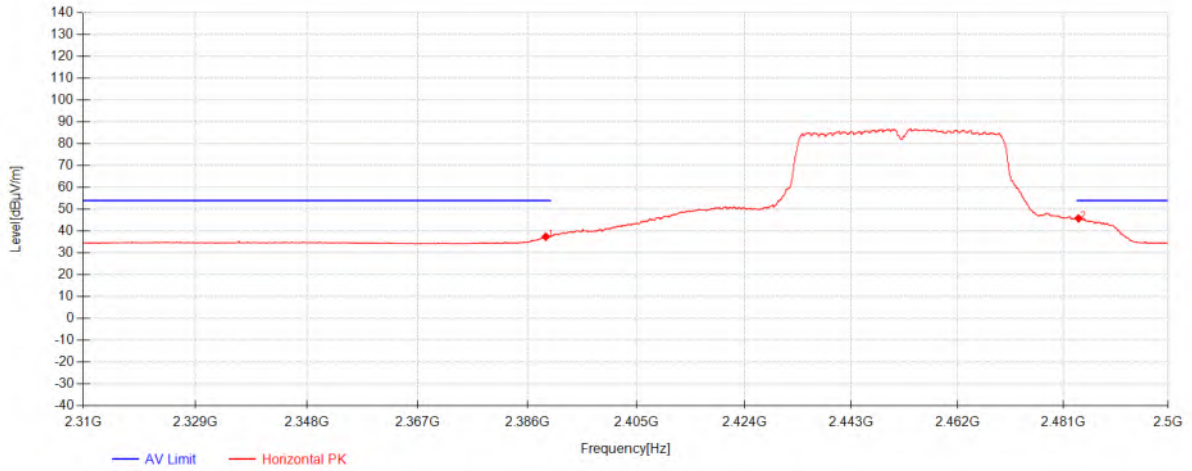
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.42	48.95	27.00	-23.52	52.43	54.00	1.57	Vertical
2	2484.9425	38.13	27.17	-23.17	42.13	54.00	11.87	Vertical

11n(HT40)_TX_CH_09_Horizontal_Peak



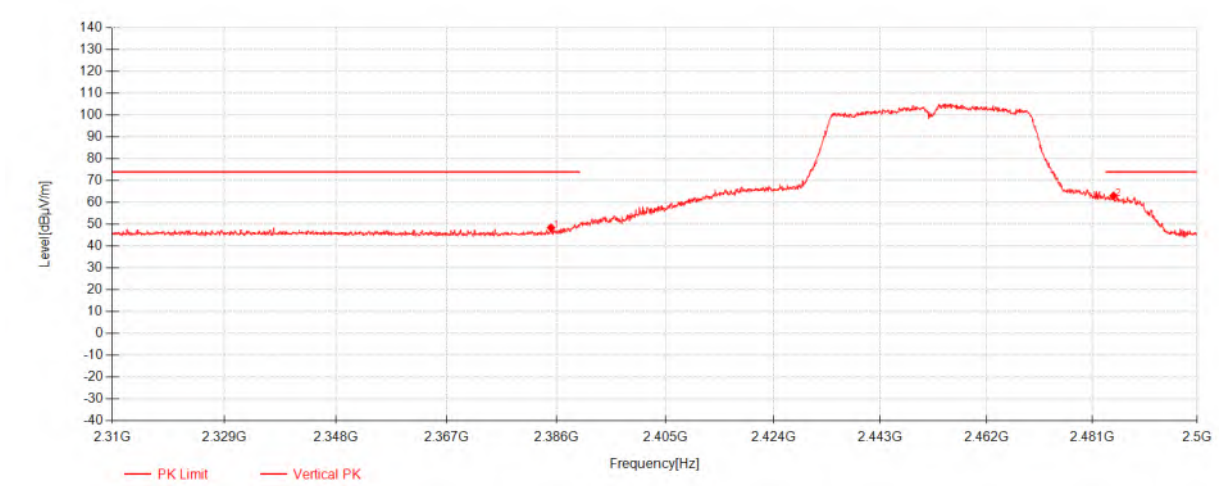
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2383.2925	44.20	26.99	-23.51	47.68	74.00	26.32	Horizontal
2	2483.8025	53.09	27.17	-23.18	57.08	74.00	16.92	Horizontal

11n(HT40)_TX_CH_09_Horizontal_Average



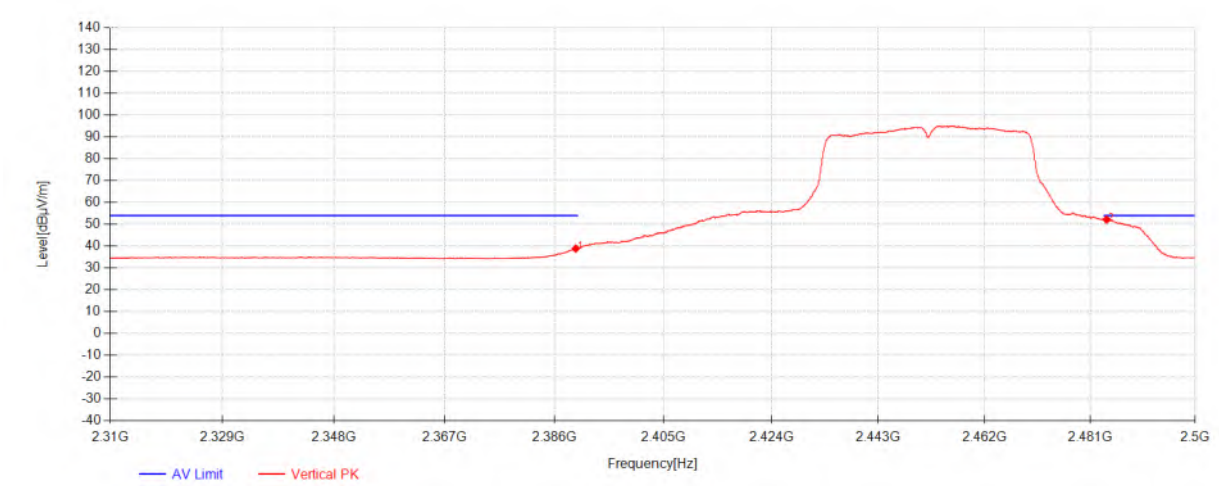
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.1825	33.98	27.00	-23.52	37.46	54.00	16.54	Horizontal
2	2483.755	41.83	27.17	-23.18	45.82	54.00	8.18	Horizontal

11n(HT40)_TX_CH_09_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2385.05	44.95	26.99	-23.51	48.43	74.00	25.57	Vertical
2	2484.8475	59.07	27.17	-23.17	63.07	74.00	10.93	Vertical

11n(HT40)_TX_CH_09_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.705	35.41	27.00	-23.52	38.89	54.00	15.11	Vertical
2	2483.945	48.17	27.17	-23.18	52.16	54.00	1.84	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+Cor.1-2023 Section 6.4,6.5

Limit:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	Field strength (dBμV/m@3m)
0.009-0.490	2400/F(kHz)	300	128.5 to 93.8
0.490-1.705	24000/F(kHz)	30	73.8 to 62.9
1.705-30.0	30	30	69.60
30-88	100	3	40.0
88-216	150	3	43.5
216-960	200	3	46.0
960-1000	500	3	54.0

Note : The above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

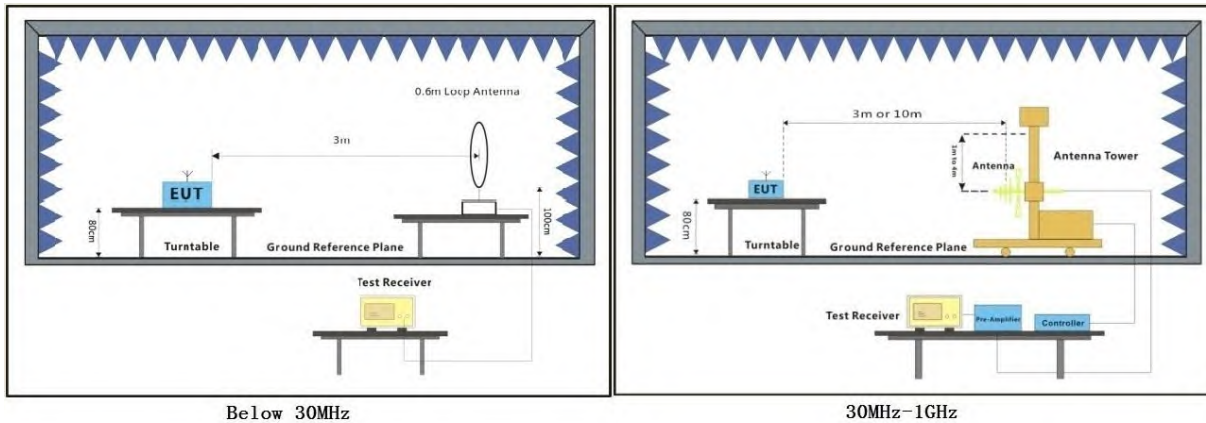
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



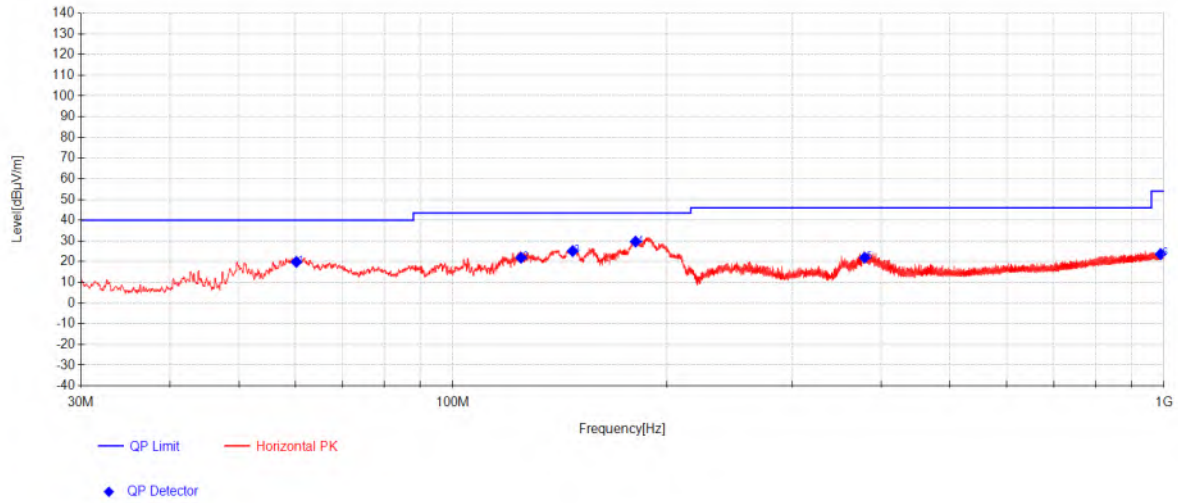
7.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- c. The antenna height is varied from 1m to 4m 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 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) 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:

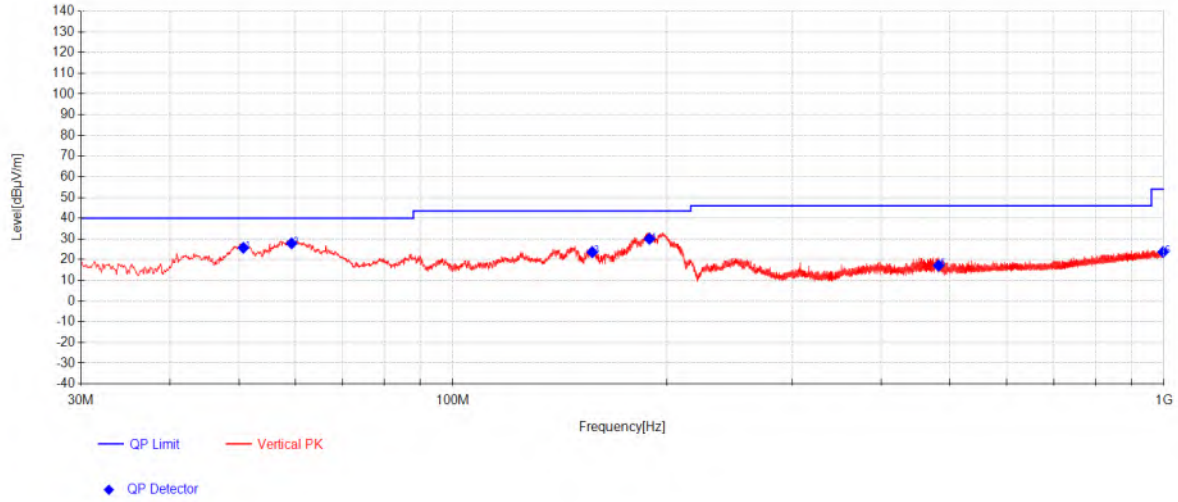
- 1 Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
2. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

Test Mode: 04; 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]	Polarity
1	60.2317	41.17	12.25	-33.55	19.87	40.00	20.13	Horizontal
2	124.6828	43.01	11.78	-32.88	21.91	43.50	21.59	Horizontal
3	147.37	45.10	12.74	-32.71	25.13	43.50	18.37	Horizontal
4	180.6733	51.38	10.67	-32.37	29.68	43.50	13.82	Horizontal
5	379.2539	37.89	15.18	-31.12	21.94	46.00	24.06	Horizontal
6	988.7372	27.15	24.41	-27.92	23.64	54.00	30.36	Horizontal

Test Mode: 04; 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]	Polarity
1	50.7472	46.00	13.41	-33.68	25.73	40.00	14.27	Vertical
2	59.3156	49.05	12.38	-33.56	27.87	40.00	12.13	Vertical
3	157.0161	43.42	12.79	-32.60	23.61	43.50	19.89	Vertical
4	188.9183	52.10	10.30	-32.33	30.06	43.50	13.44	Vertical
5	481.8583	30.70	17.11	-30.66	17.15	46.00	28.85	Vertical
6	996.7667	27.05	24.47	-27.84	23.69	54.00	30.31	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+Cor.1-2023 Section 6.6 & 11.12

Limit:

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

Note:

At Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1m test distance).

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

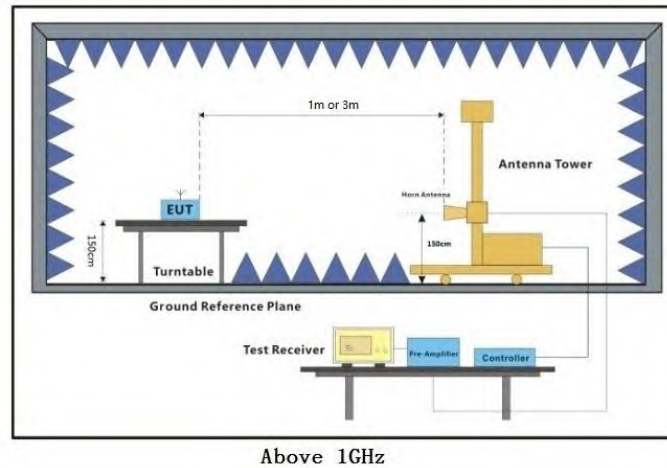
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



Above 1GHz

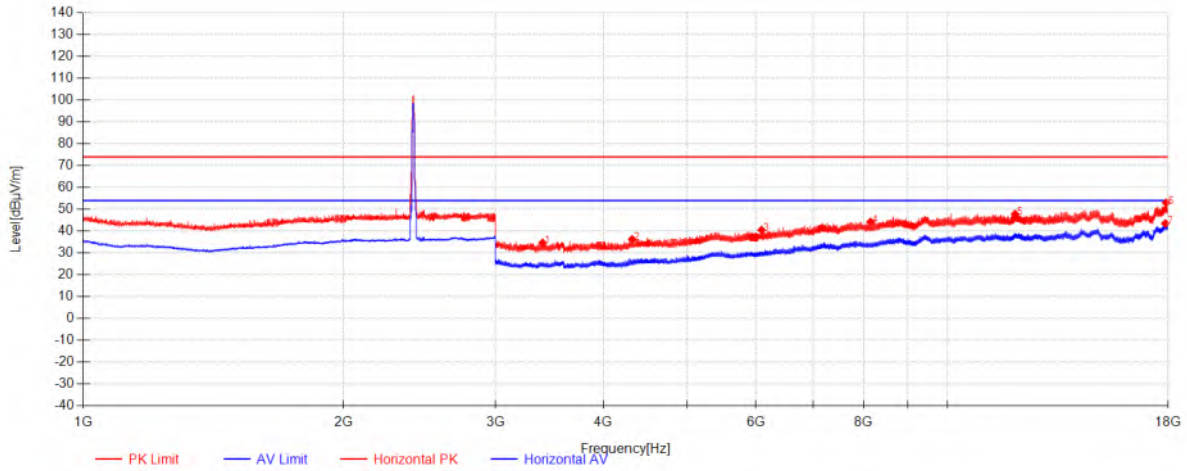
7.4.4 Measurement Procedure and Data

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5m above the ground at a 3m fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3m away from the interference-receiving antenna from 1GHz to 18GHz, and 1m away from the interference-receiving antenna above 18GHz.
- The interference-receiving antenna was mounted on the variable-height antenna tower, with its boresight facing the EUT throughout the test.
- The antenna height is varied from 1m to 4m 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

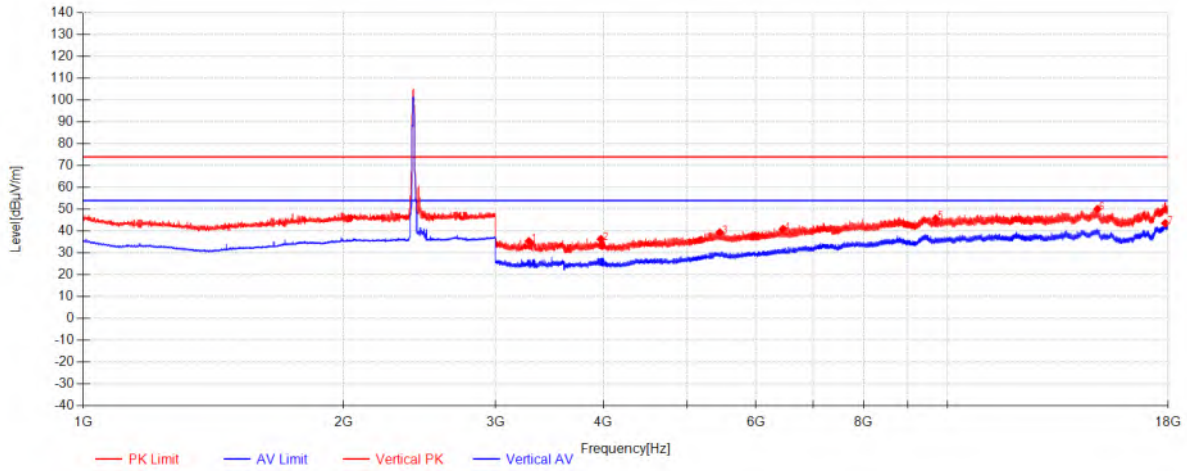
- Scan from 1GHz to 10th harmonic of the highest frequency or 40 GHz, whichever is lower.
- As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits 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.
- For the frequency above 18GHz, testing had been executed under all test modes, only the worst-case test curve is displayed in the report.
- For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s).

11b_TX_CH_01_Horizontal



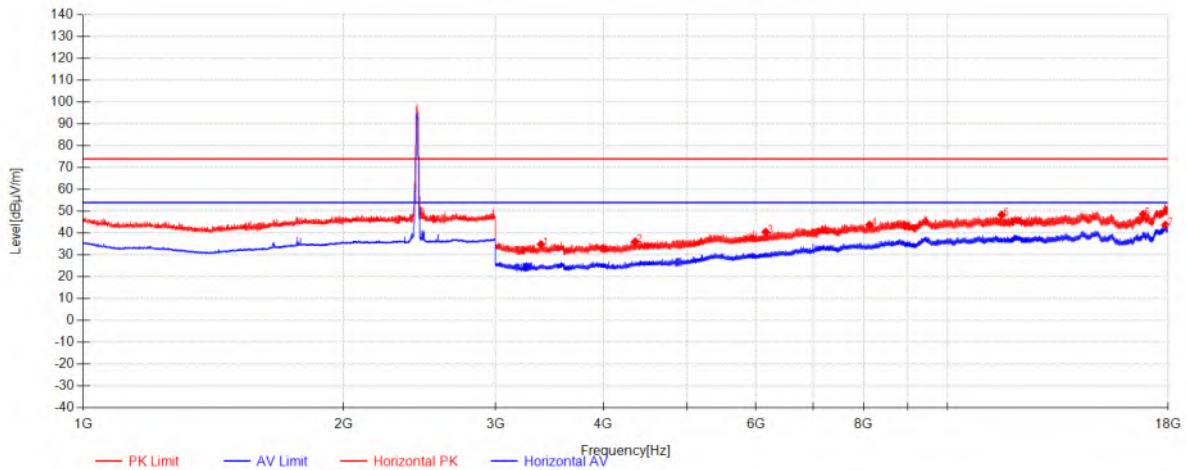
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3400.875	54.64	28.42	-48.41	34.65	74.00	39.35	Horizontal
2	4318.125	54.28	29.81	-47.84	36.25	74.00	37.75	Horizontal
3	6094.5	54.76	33.16	-47.39	40.53	74.00	33.47	Horizontal
4	8148.375	52.25	36.46	-44.49	44.22	74.00	29.78	Horizontal
5	11976.375	47.96	39.40	-39.55	47.81	74.00	26.19	Horizontal
6	17916.75	46.99	44.30	-38.28	53.01	74.00	20.99	Horizontal
7	17873.25	37.61	44.04	-38.16	43.49	54.00	10.51	Horizontal

11b_TX_CH_01_Vertical



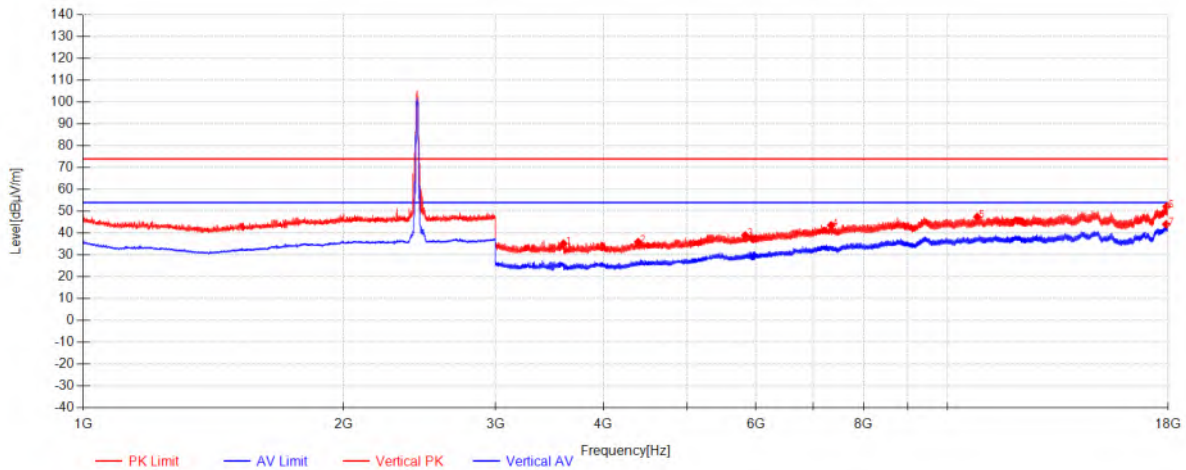
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3278.25	55.11	28.32	-48.06	35.37	74.00	38.63	Vertical
2	3972	55.29	29.26	-48.21	36.33	74.00	37.67	Vertical
3	5452.5	54.63	32.47	-47.66	39.43	74.00	34.57	Vertical
4	6452.25	53.39	34.52	-46.96	40.95	74.00	33.05	Vertical
5	9694.125	49.46	38.37	-42.10	45.73	74.00	28.27	Vertical
6	14917.125	47.38	40.21	-37.48	50.11	74.00	23.89	Vertical
7	17869.875	37.74	44.02	-38.16	43.60	54.00	10.40	Vertical

11b_TX_CH_06_Horizontal



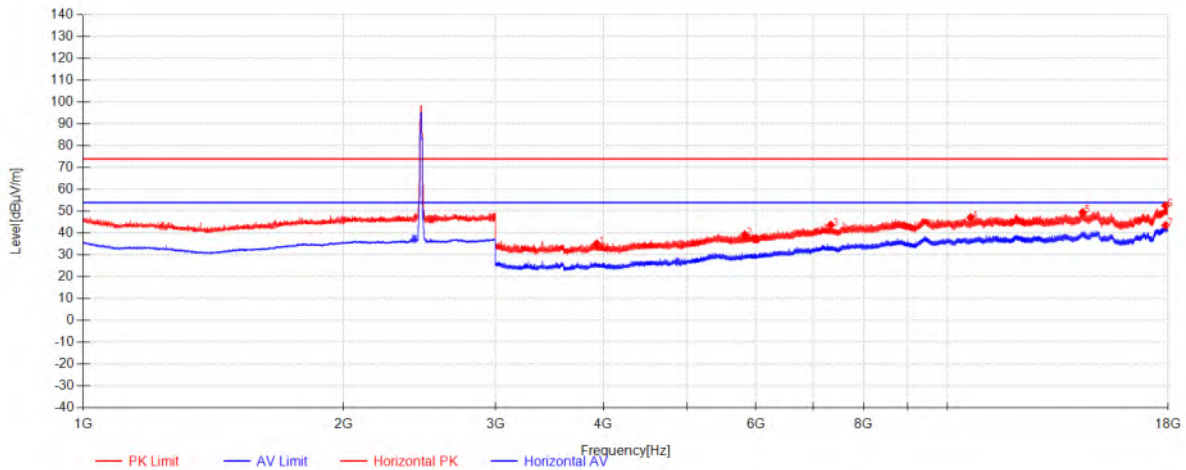
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3386.625	54.83	28.41	-48.36	34.88	74.00	39.12	Horizontal
2	4352.25	54.18	29.86	-47.95	36.09	74.00	37.91	Horizontal
3	6163.875	54.62	33.42	-47.49	40.55	74.00	33.45	Horizontal
4	8123.25	51.99	36.44	-44.64	43.79	74.00	30.21	Horizontal
5	11556.75	48.83	39.44	-39.90	48.38	74.00	25.62	Horizontal
6	16846.875	47.16	38.74	-37.18	48.71	74.00	25.29	Horizontal
7	17872.125	37.93	44.03	-38.16	43.80	54.00	10.20	Horizontal

11b_TX_CH_06_Vertical



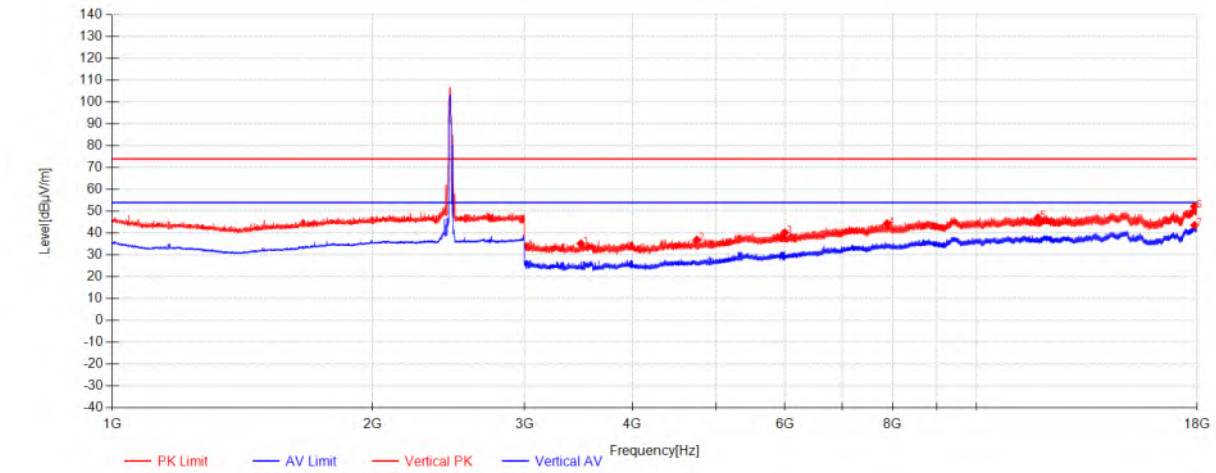
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3595.875	54.81	28.65	-48.28	35.18	74.00	38.82	Vertical
2	4387.125	54.06	29.92	-48.07	35.91	74.00	38.09	Vertical
3	5835.375	53.71	32.73	-47.47	38.97	74.00	35.03	Vertical
4	7337.625	53.66	36.11	-46.16	43.60	74.00	30.40	Vertical
5	10829.625	48.54	39.38	-40.51	47.41	74.00	26.59	Vertical
6	17935.125	46.22	44.41	-38.41	52.22	74.00	21.78	Vertical
7	17914.875	38.02	44.29	-38.26	44.05	54.00	9.95	Vertical

11b_TX_CH_11_Horizontal



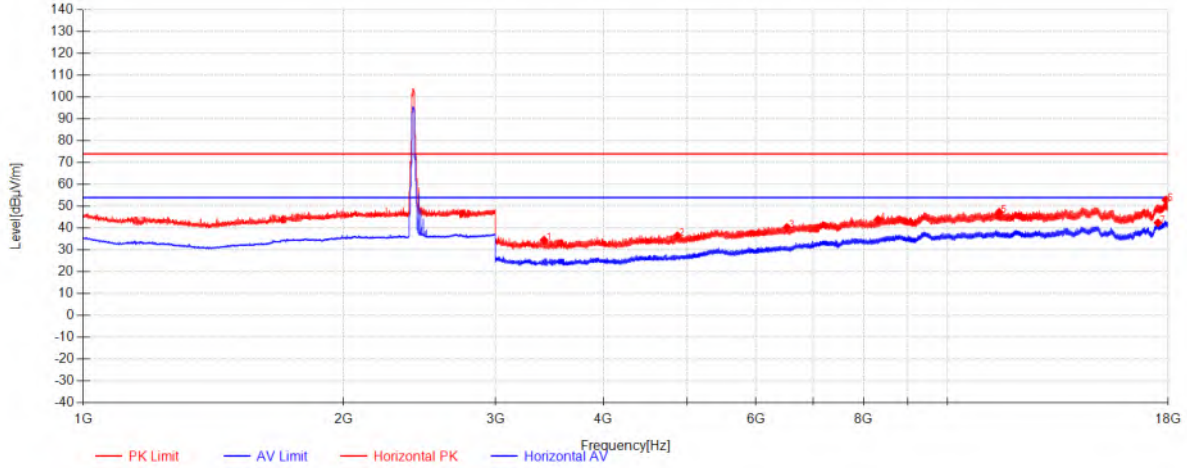
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3928.5	54.25	29.19	-48.26	35.18	74.00	38.82	Horizontal
2	5828.25	54.10	32.73	-47.51	39.32	74.00	34.68	Horizontal
3	7328.25	53.83	36.09	-46.16	43.76	74.00	30.24	Horizontal
4	10639.125	49.07	39.25	-41.16	47.16	74.00	26.84	Horizontal
5	14336.625	47.78	40.27	-38.48	49.57	74.00	24.43	Horizontal
6	17883.75	46.64	44.10	-38.16	52.59	74.00	21.41	Horizontal
7	17885.25	37.62	44.11	-38.16	43.58	54.00	10.42	Horizontal

11b_TX_CH_11_Vertical



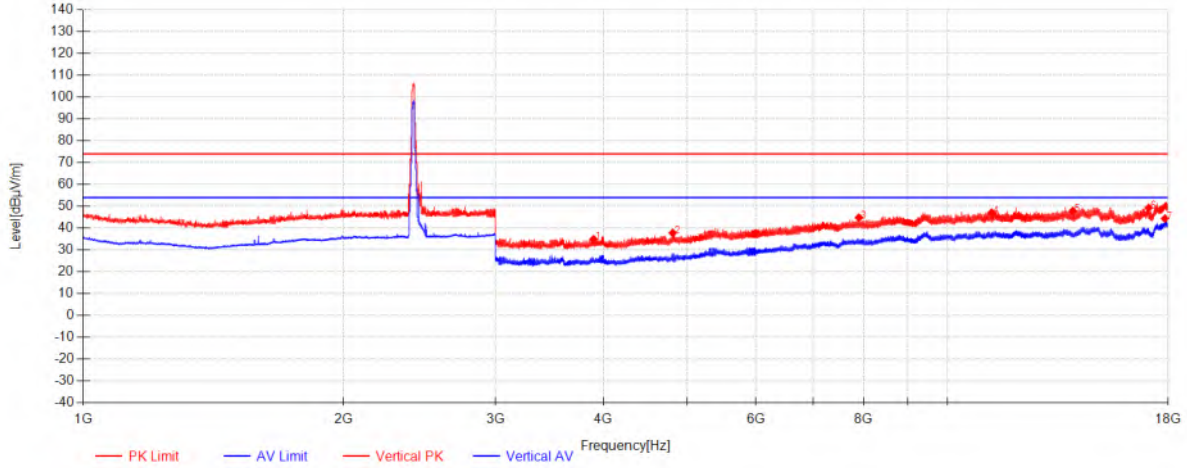
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3485.25	55.04	28.49	-48.31	35.22	74.00	38.78	Vertical
2	4747.875	54.23	30.65	-47.98	36.89	74.00	37.11	Vertical
3	5999.625	54.98	32.80	-47.50	40.28	74.00	33.72	Vertical
4	7881	53.39	36.32	-45.35	44.37	74.00	29.63	Vertical
5	11784.375	47.49	39.42	-39.84	47.07	74.00	26.93	Vertical
6	17877.375	46.32	44.06	-38.16	52.23	74.00	21.77	Vertical
7	17882.625	37.65	44.10	-38.16	43.59	54.00	10.41	Vertical

11n(HT20)_TX_CH_01_Horizontal



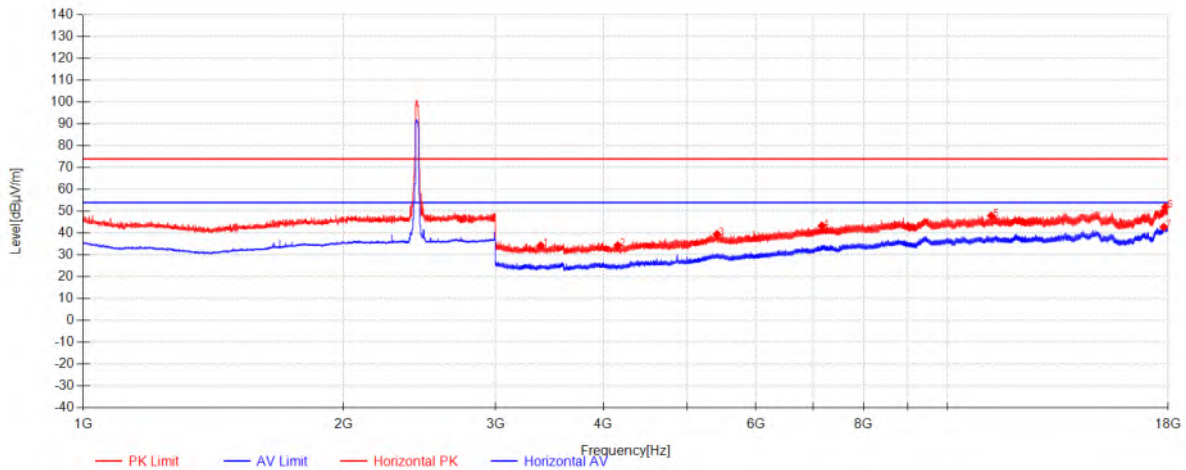
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3414.375	54.51	28.43	-48.39	34.55	74.00	39.45	Horizontal
2	4870.875	53.71	30.92	-48.02	36.60	74.00	37.40	Horizontal
3	6522.75	52.67	34.74	-47.00	40.40	74.00	33.60	Horizontal
4	8312.25	51.84	36.64	-44.50	43.99	74.00	30.01	Horizontal
5	11478.75	47.96	39.45	-40.06	47.35	74.00	26.65	Horizontal
6	17895	46.95	44.17	-38.15	52.97	74.00	21.03	Horizontal
7	17524.875	37.72	41.95	-37.19	42.48	54.00	11.52	Horizontal

11n(HT20)_TX_CH_01_Vertical



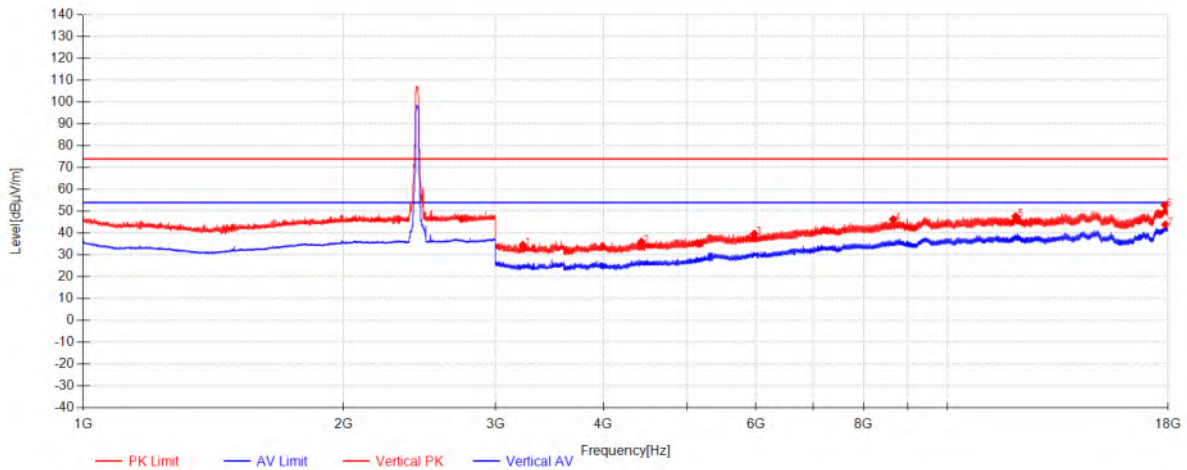
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3895.5	54.09	29.13	-48.29	34.94	74.00	39.06	Vertical
2	4810.875	55.02	30.78	-48.01	37.79	74.00	36.21	Vertical
3	7902.75	53.97	36.32	-45.42	44.87	74.00	29.13	Vertical
4	11251.875	48.03	39.47	-40.40	47.10	74.00	26.90	Vertical
5	13971.75	46.65	40.26	-39.02	47.88	74.00	26.12	Vertical
6	17097	47.31	39.38	-37.40	49.29	74.00	24.71	Vertical
7	17856.75	38.61	43.94	-38.17	44.38	54.00	9.62	Vertical

11n(HT20)_TX_CH_06_Horizontal



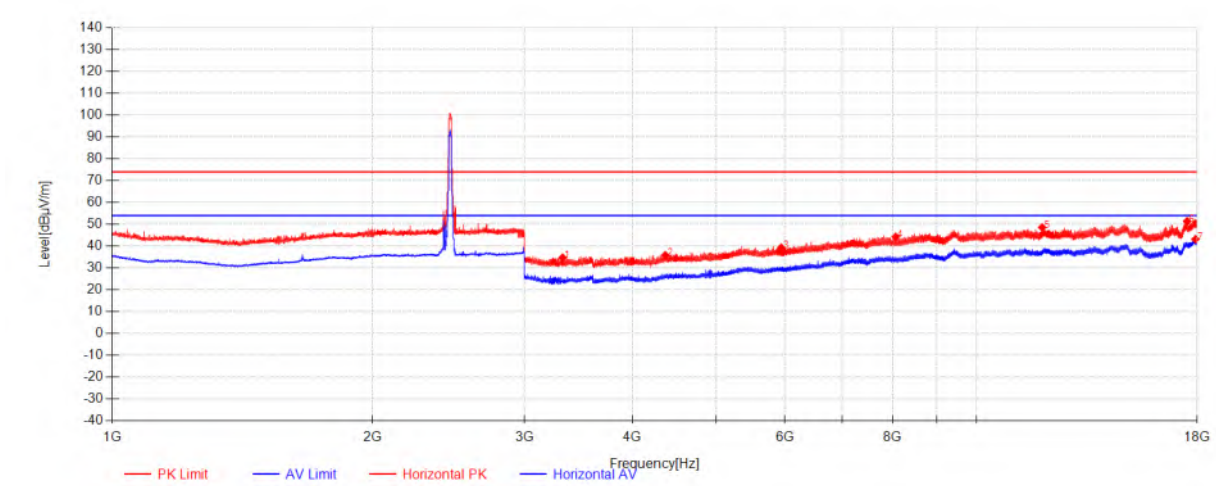
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3384	54.24	28.41	-48.35	34.30	74.00	39.70	Horizontal
2	4156.125	53.02	29.55	-48.23	34.34	74.00	39.66	Horizontal
3	5413.5	54.83	32.36	-47.71	39.48	74.00	34.52	Horizontal
4	7155.75	53.60	35.78	-46.04	43.34	74.00	30.66	Horizontal
5	11242.5	48.82	39.48	-40.39	47.90	74.00	26.10	Horizontal
6	17880.375	46.06	44.08	-38.16	51.98	74.00	22.02	Horizontal
7	17799.75	37.36	43.60	-38.19	42.77	54.00	11.23	Horizontal

11n(HT20)_TX_CH_06_Vertical



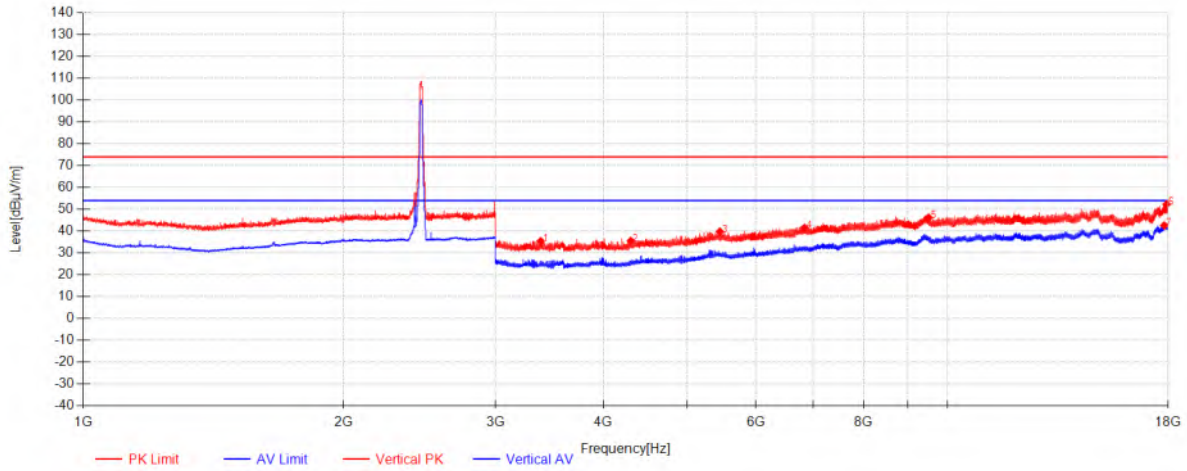
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3226.5	54.40	28.28	-48.13	34.56	74.00	39.44	Vertical
2	4425	54.07	29.98	-48.08	35.97	74.00	38.03	Vertical
3	5977.875	54.31	32.79	-47.42	39.68	74.00	34.32	Vertical
4	8656.125	53.34	37.02	-44.05	46.31	74.00	27.69	Vertical
5	11997	47.70	39.40	-39.44	47.66	74.00	26.34	Vertical
6	17851.5	47.06	43.91	-38.17	52.80	74.00	21.20	Vertical
7	17874	38.04	44.04	-38.16	43.92	54.00	10.08	Vertical

11n(HT20)_TX_CH_11_Horizontal



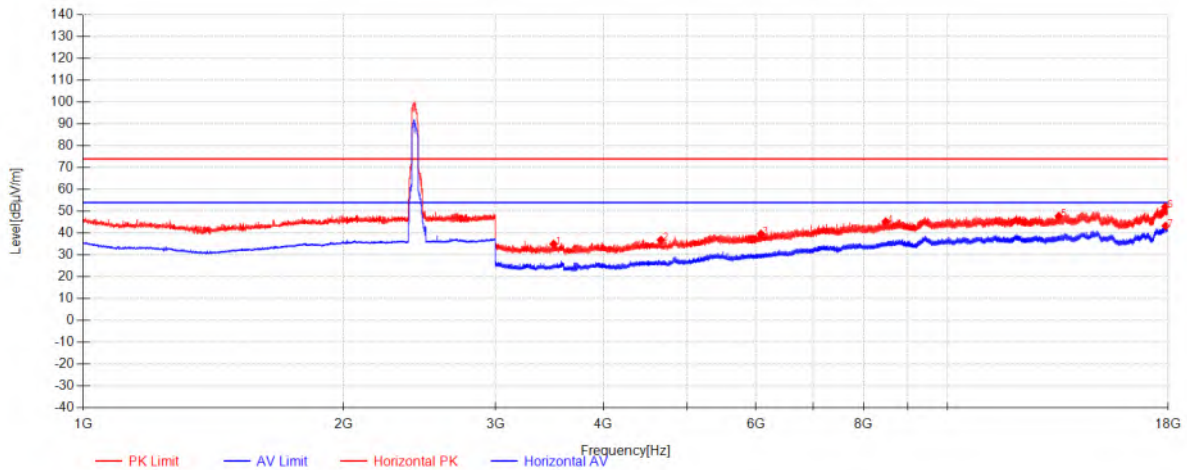
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3321	54.48	28.36	-48.11	34.73	74.00	39.27	Horizontal
2	4365.75	53.96	29.89	-48.00	35.85	74.00	38.15	Horizontal
3	5946	53.85	32.78	-47.31	39.32	74.00	34.68	Horizontal
4	8064	52.51	36.37	-44.61	44.27	74.00	29.73	Horizontal
5	11914.5	49.09	39.41	-39.91	48.59	74.00	25.41	Horizontal
6	17531.25	46.70	41.99	-37.29	51.40	74.00	22.60	Horizontal
7	17922.375	37.14	44.33	-38.32	43.16	54.00	10.84	Horizontal

11n(HT20)_TX_CH_11_Vertical



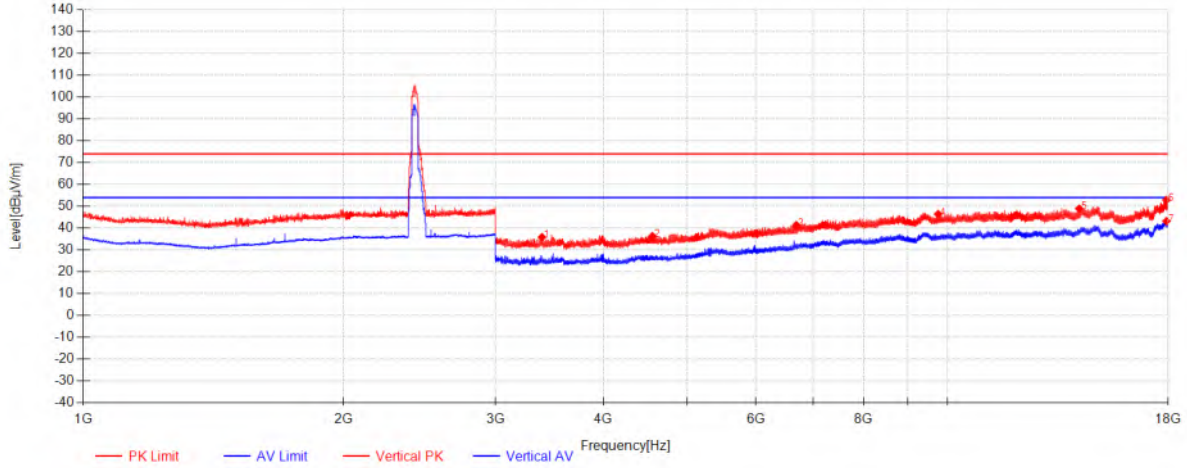
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3383.625	55.33	28.41	-48.35	35.39	74.00	38.61	Vertical
2	4302	53.52	29.78	-47.79	35.52	74.00	38.48	Vertical
3	5454	54.99	32.47	-47.66	39.80	74.00	34.20	Vertical
4	6833.25	53.15	35.23	-46.84	41.55	74.00	32.45	Vertical
5	9510.75	50.44	38.12	-42.36	46.20	74.00	27.80	Vertical
6	17935.5	46.26	44.41	-38.42	52.26	74.00	21.74	Vertical
7	17821.875	37.08	43.73	-38.18	42.63	54.00	11.37	Vertical

11n(HT40)_TX_CH_03_Horizontal



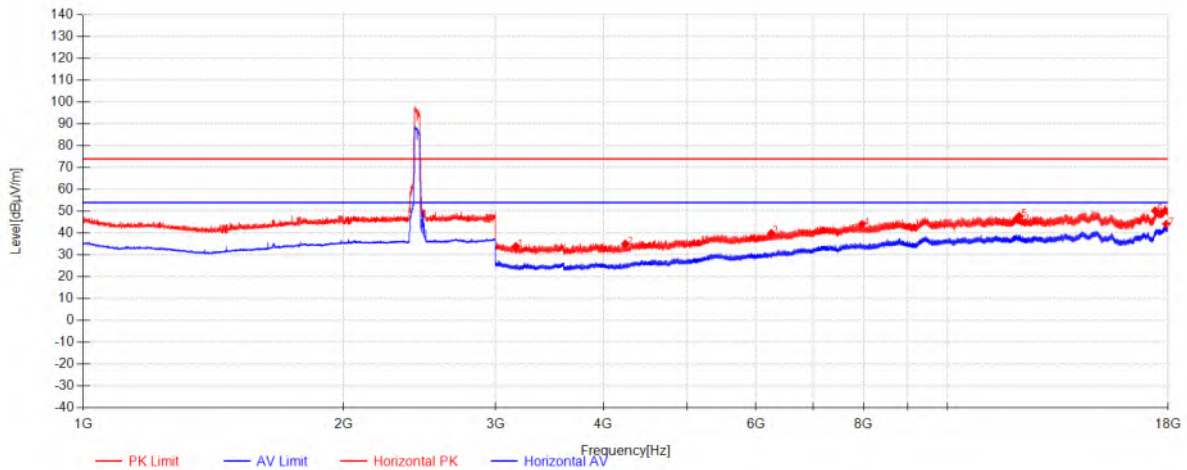
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3502.125	54.81	28.50	-48.29	35.02	74.00	38.98	Horizontal
2	4660.5	54.40	30.45	-47.98	36.88	74.00	37.12	Horizontal
3	6085.875	53.95	33.13	-47.40	39.68	74.00	34.32	Horizontal
4	8484.75	52.71	36.83	-44.25	45.29	74.00	28.71	Horizontal
5	13459.875	47.49	39.49	-39.18	47.80	74.00	26.20	Horizontal
6	17871.375	46.18	44.03	-38.16	52.05	74.00	21.95	Horizontal
7	17887.875	37.32	44.13	-38.15	43.29	54.00	10.71	Horizontal

11n(HT40)_TX_CH_03_Vertical



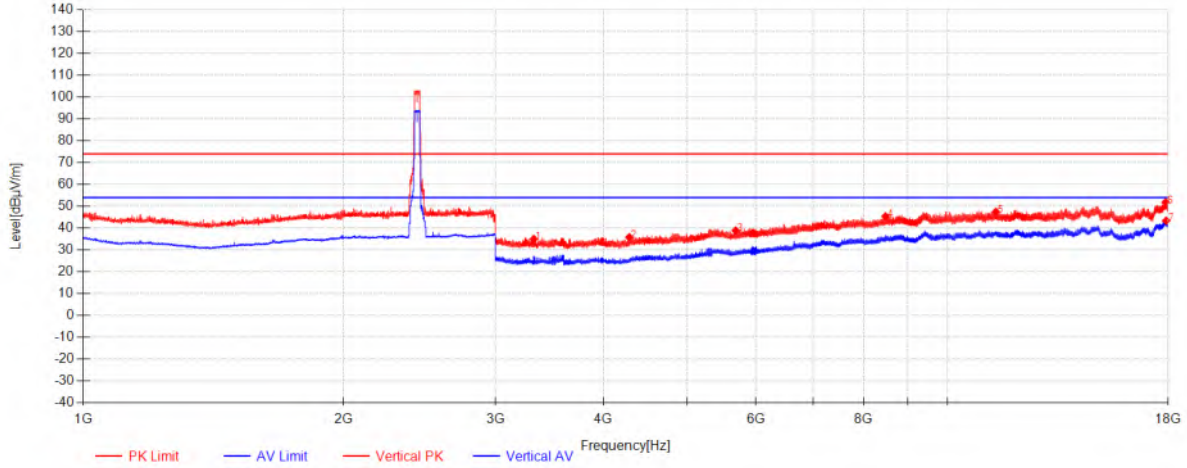
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3394.875	55.83	28.42	-48.39	35.86	74.00	38.14	Vertical
2	4557	54.08	30.23	-47.99	36.31	74.00	37.69	Vertical
3	6686.625	53.00	35.00	-46.62	41.38	74.00	32.62	Vertical
4	9754.875	50.11	38.46	-42.15	46.42	74.00	27.58	Vertical
5	14209.125	47.27	40.28	-38.64	48.91	74.00	25.09	Vertical
6	17925.375	46.91	44.35	-38.34	52.92	74.00	21.08	Vertical
7	17924.625	37.17	44.35	-38.33	43.18	54.00	10.82	Vertical

11n(HT40)_TX_CH_06_Horizontal



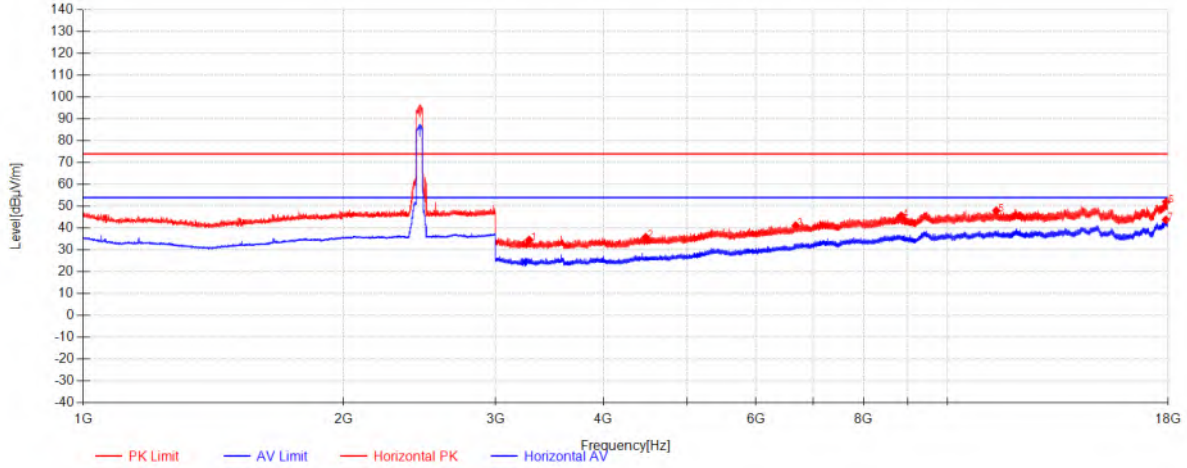
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3166.875	53.95	28.23	-48.26	33.92	74.00	40.08	Horizontal
2	4239.75	53.55	29.68	-48.13	35.10	74.00	38.90	Horizontal
3	6255	53.59	33.77	-47.42	39.94	74.00	34.06	Horizontal
4	7963.125	52.48	36.31	-44.72	44.06	74.00	29.94	Horizontal
5	12109.125	48.11	39.33	-39.65	47.80	74.00	26.20	Horizontal
6	17400.375	46.33	41.20	-37.26	50.27	74.00	23.73	Horizontal
7	17922.375	38.14	44.33	-38.32	44.16	54.00	9.84	Horizontal

11n(HT40)_TX_CH_06_Vertical



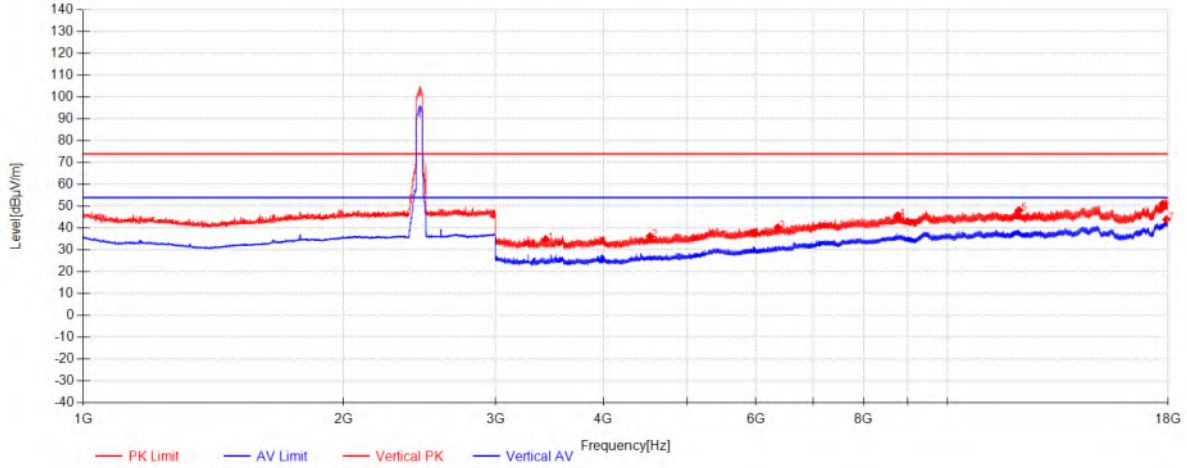
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3322.125	54.82	28.36	-48.11	35.06	74.00	38.94	Vertical
2	4284.375	53.92	29.76	-47.87	35.80	74.00	38.20	Vertical
3	5689.125	53.73	32.68	-47.51	38.89	74.00	35.11	Vertical
4	8479.5	52.80	36.83	-44.25	45.38	74.00	28.62	Vertical
5	11381.25	48.19	39.46	-40.15	47.50	74.00	26.50	Vertical
6	17886.75	45.86	44.12	-38.16	51.83	74.00	22.17	Vertical
7	17912.625	37.39	44.28	-38.24	43.42	54.00	10.58	Vertical

11n(HT40)_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	3281.625	54.30	28.33	-48.05	34.57	74.00	39.43	Horizontal
2	4476	53.78	30.06	-48.01	35.83	74.00	38.17	Horizontal
3	6675.375	52.90	34.98	-46.67	41.21	74.00	32.79	Horizontal
4	8842.125	52.46	37.23	-44.01	45.68	74.00	28.32	Horizontal
5	11393.25	48.62	39.46	-40.11	47.98	74.00	26.02	Horizontal
6	17921.25	46.00	44.33	-38.31	52.02	74.00	21.98	Horizontal
7	17903.25	37.77	44.22	-38.17	43.82	54.00	10.18	Horizontal

11n(HT40)_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	3429	54.82	28.44	-48.38	34.89	74.00	39.11	Vertical
2	4528.125	54.06	30.16	-47.99	36.24	74.00	37.76	Vertical
3	6366	53.17	34.19	-47.06	40.30	74.00	33.70	Vertical
4	8760.375	52.72	37.14	-44.04	45.81	74.00	28.19	Vertical
5	12104.25	48.45	39.34	-39.64	48.15	74.00	25.85	Vertical
6	17743.875	46.23	43.26	-38.43	51.07	74.00	22.93	Vertical
7	17929.875	37.96	44.38	-38.37	43.97	54.00	10.03	Vertical

7.5 Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)
Test Method: ANSI C63.10-2020+Cor.1-2023 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

7.5.1 E.U.T. Operation

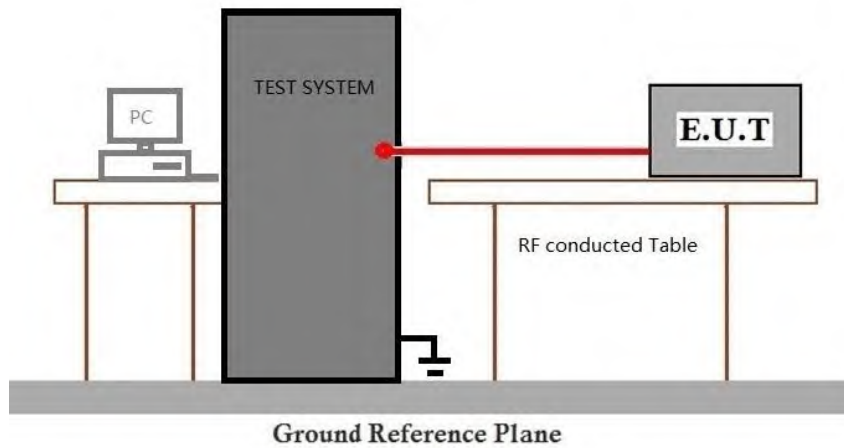
Operating Environment:

Temperature: 23 °C Humidity: 43 % RH Atmospheric Pressure: 1001 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. 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+Cor.1-2023 Section 11.8.1

Limit:
 ≥ 500 kHz

7.6.1 E.U.T. Operation

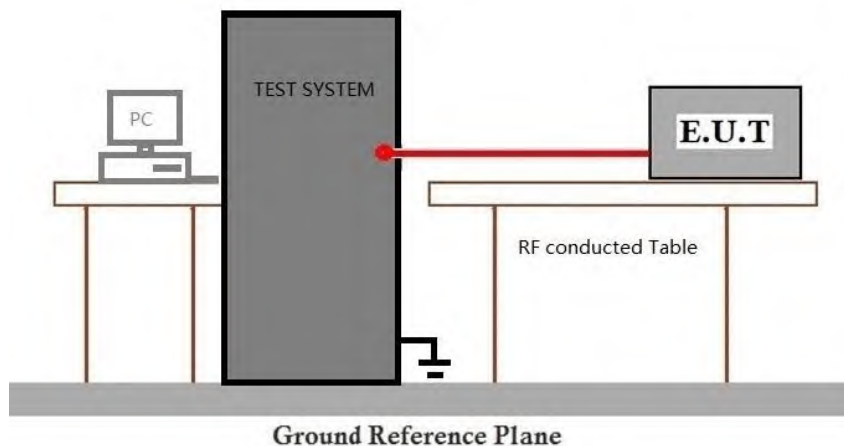
Operating Environment:

Temperature: 22 °C Humidity: 41 % RH Atmospheric Pressure: 1001 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. 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 Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)
Test Method: ANSI C63.10-2020+Cor.1-2023 Section 11.10.2

Limit:

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

7.7.1 E.U.T. Operation

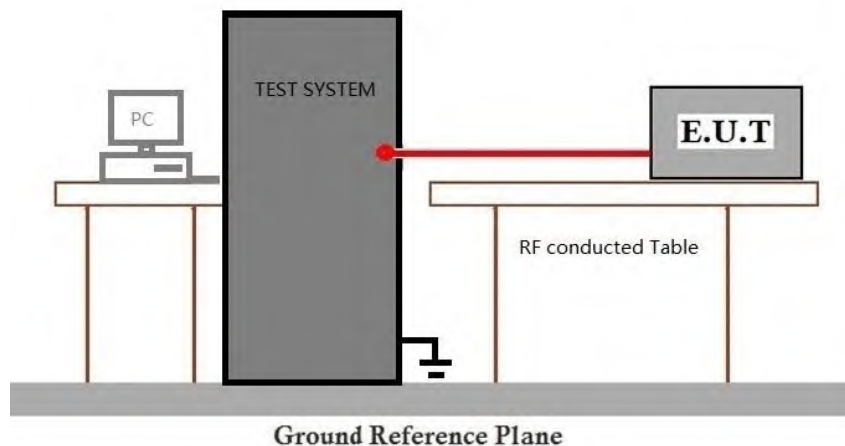
Operating Environment:

Temperature: 23 °C Humidity: 44 % RH Atmospheric Pressure: 1001 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Conducted Band Edges Measurement

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

Test Method: ANSI C63.10-2020+Cor.1-2023 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)).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

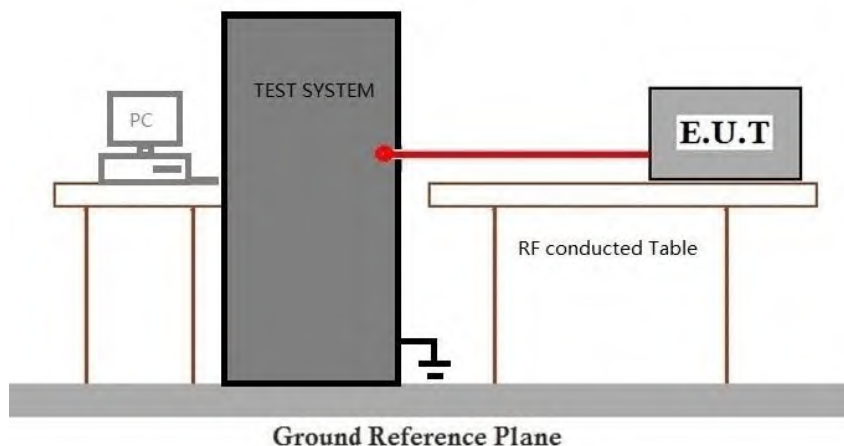
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. 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

7.9 Conducted Spurious Emissions

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

Test Method: ANSI C63.10-2020+Cor.1-2023 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)).

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

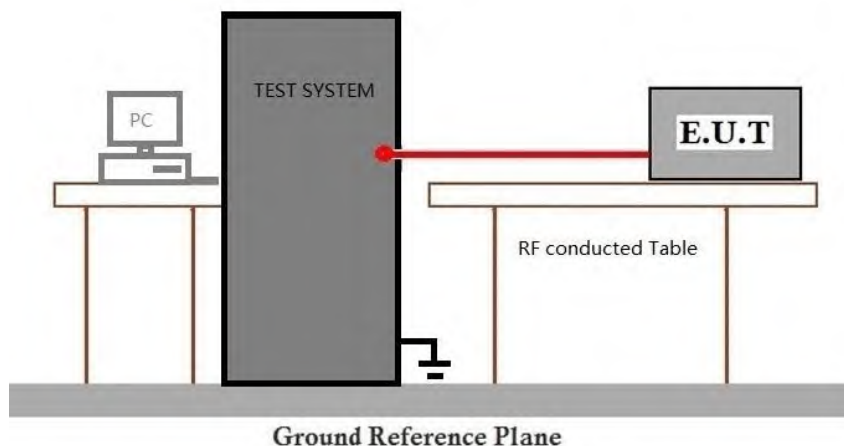
Humidity: 42 % RH

Atmospheric Pressure: 1001 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram





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7.9.4 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 SUCR2606000510AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SUCR2606000510AT

10 Appendix

1. Duty Cycle

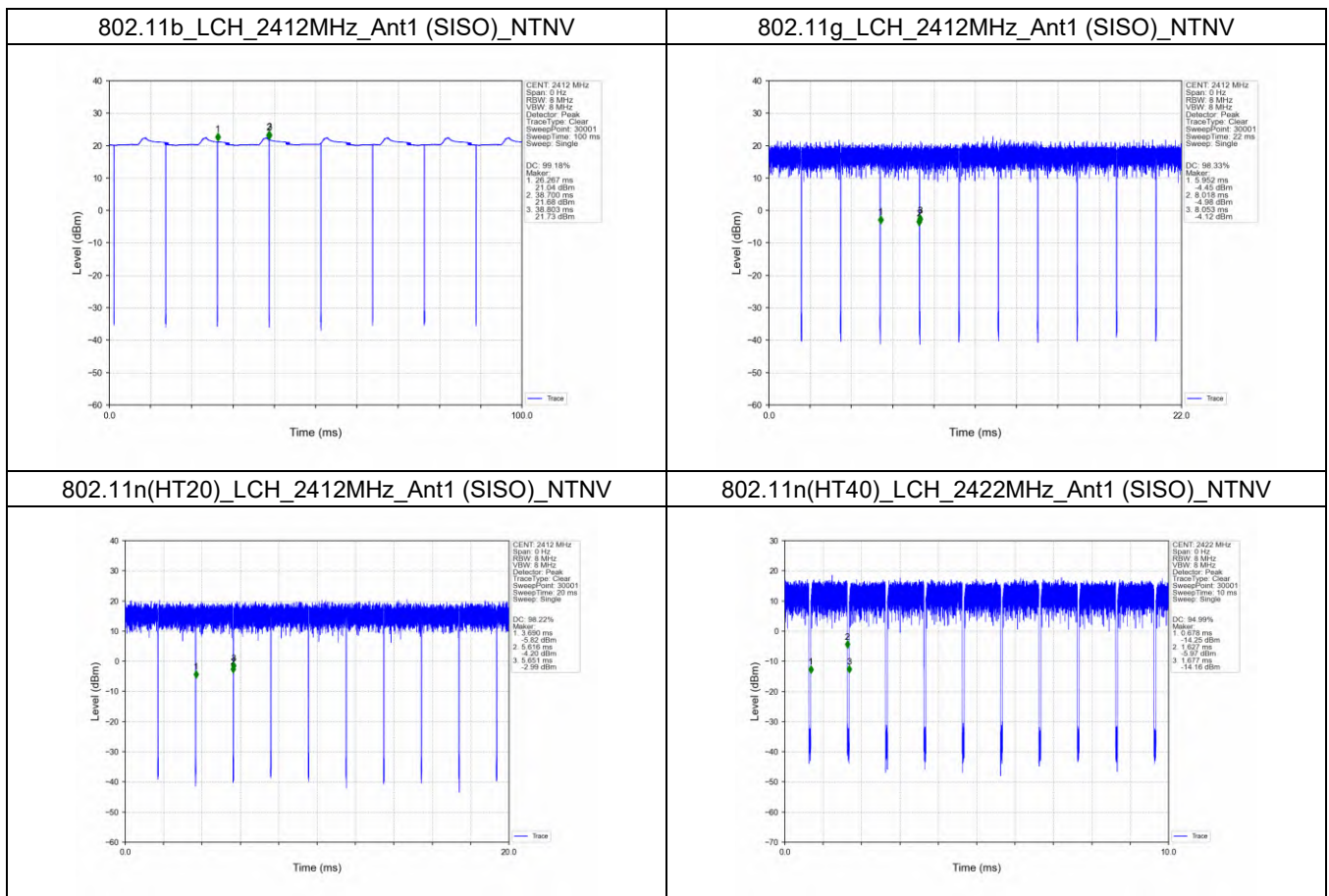
1.1 Test Result

1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	12.433	12.536	99.18	0.04	0.03
802.11g	SISO	2412	2.066	2.101	98.33	0.07	0.03
802.11n (HT20)	SISO	2412	1.926	1.961	98.22	0.08	0.03
802.11n (HT40)	SISO	2422	0.949	0.999	94.99	0.22	0.00

1.2 Test Graph

1.2.1 Ant1



2. Bandwidth

2.1 Test Result

2.1.1 OBW

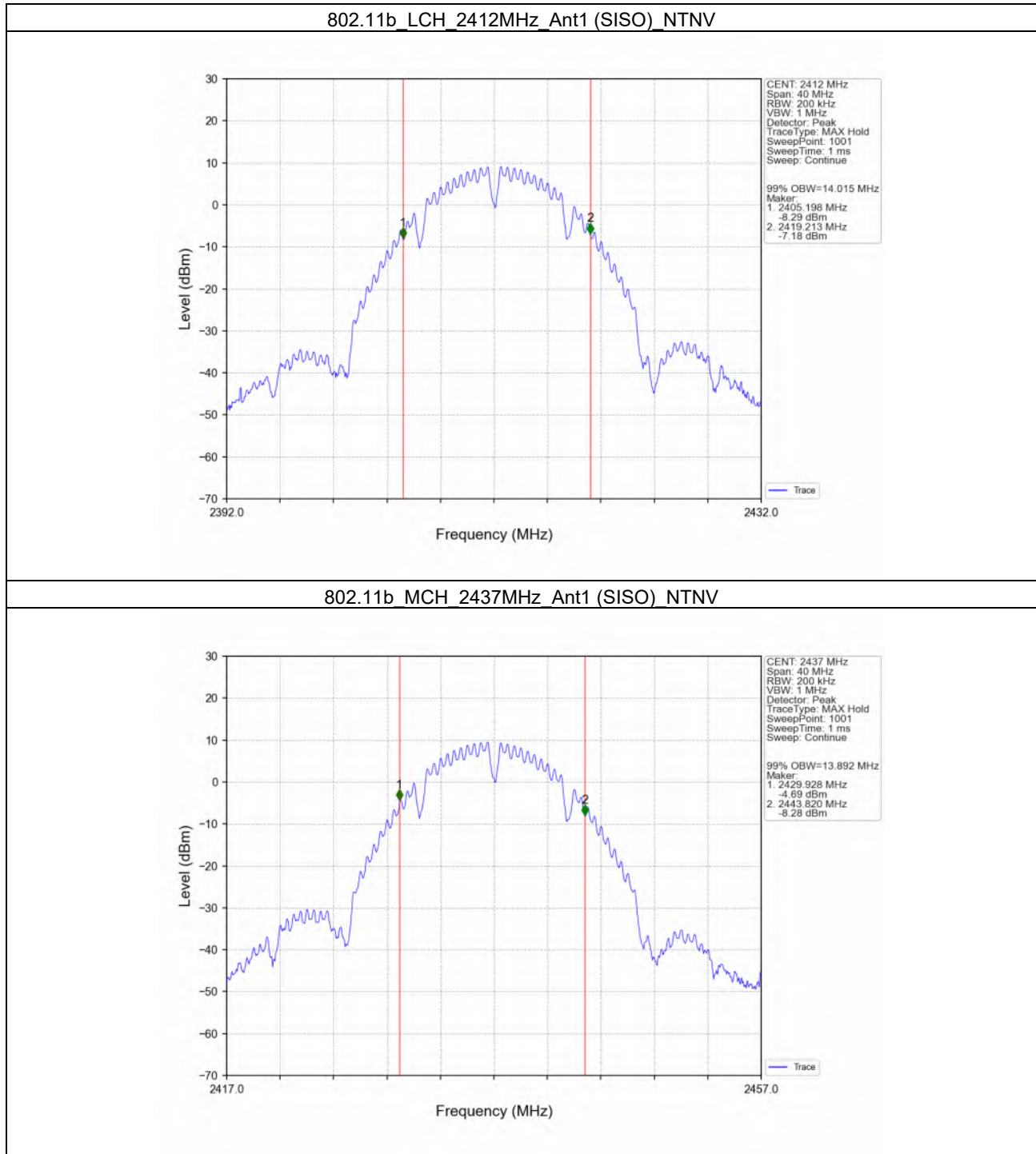
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.015	/	Pass
		2437	1	13.892	/	Pass
		2462	1	13.529	/	Pass
802.11g	SISO	2412	1	16.596	/	Pass
		2437	1	16.591	/	Pass
		2462	1	16.438	/	Pass
802.11n (HT20)	SISO	2412	1	17.812	/	Pass
		2437	1	17.827	/	Pass
		2462	1	16.699	/	Pass
802.11n (HT40)	SISO	2422	1	36.208	/	Pass
		2437	1	36.671	/	Pass
		2452	1	37.234	/	Pass

2.1.2 6dB BW

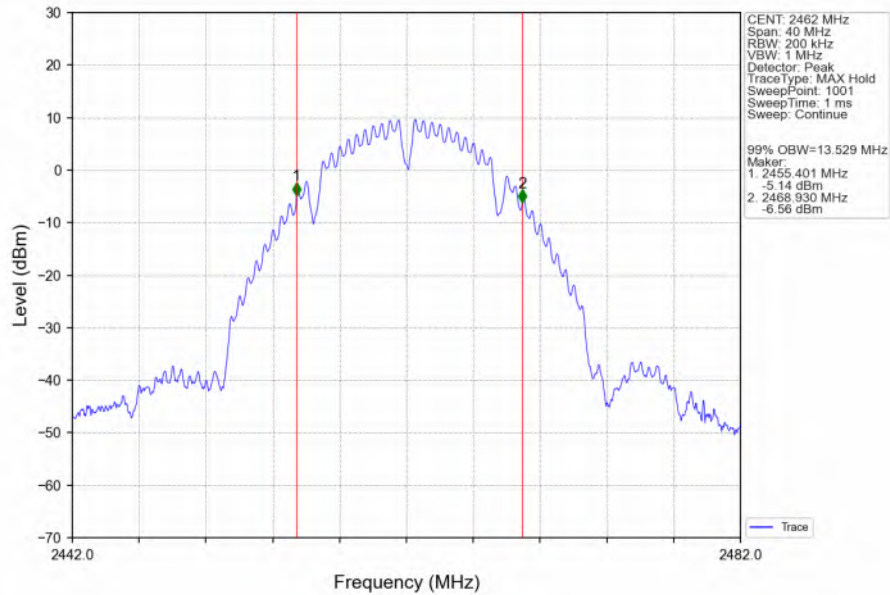
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.678	≥ 0.5	Pass
		2437	1	8.678	≥ 0.5	Pass
		2462	1	8.630	≥ 0.5	Pass
802.11g	SISO	2412	1	16.171	≥ 0.5	Pass
		2437	1	16.156	≥ 0.5	Pass
		2462	1	15.962	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.136	≥ 0.5	Pass
		2437	1	17.250	≥ 0.5	Pass
		2462	1	18.113	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.705	≥ 0.5	Pass
		2437	1	36.354	≥ 0.5	Pass
		2452	1	36.961	≥ 0.5	Pass

2.2 Test Graph

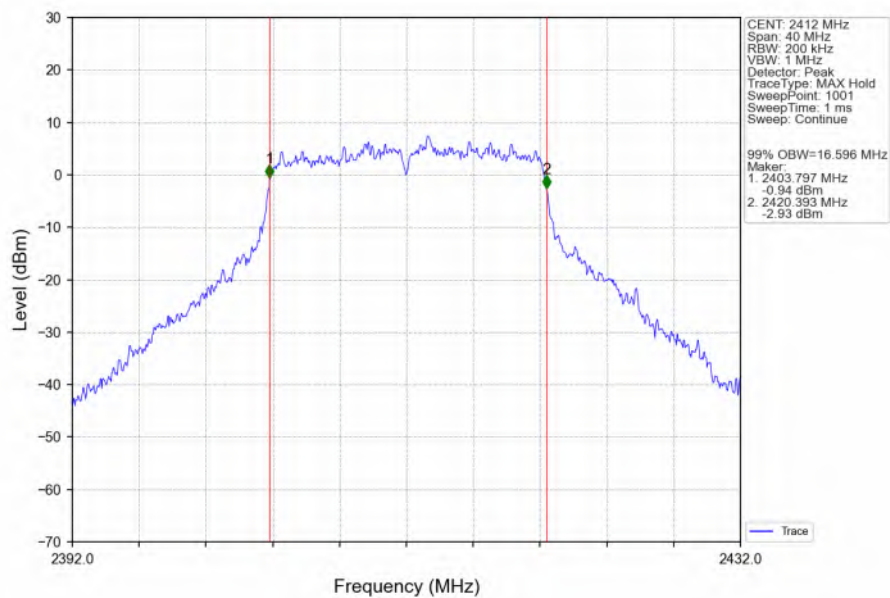
2.2.1 OBW



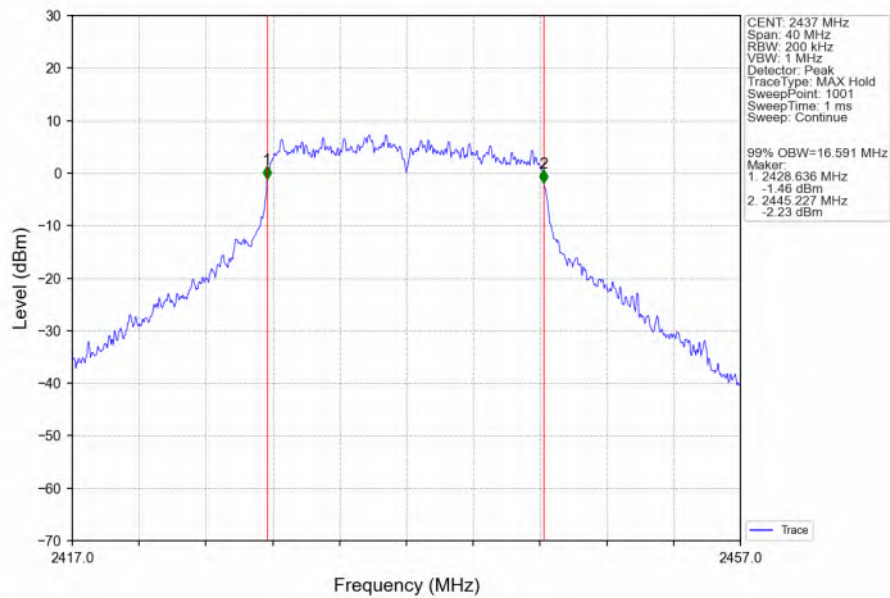
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



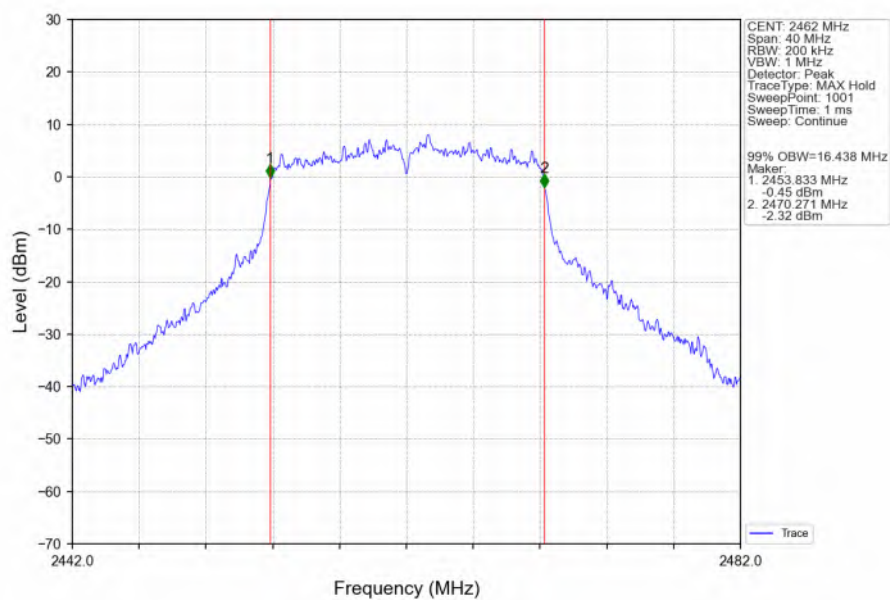
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



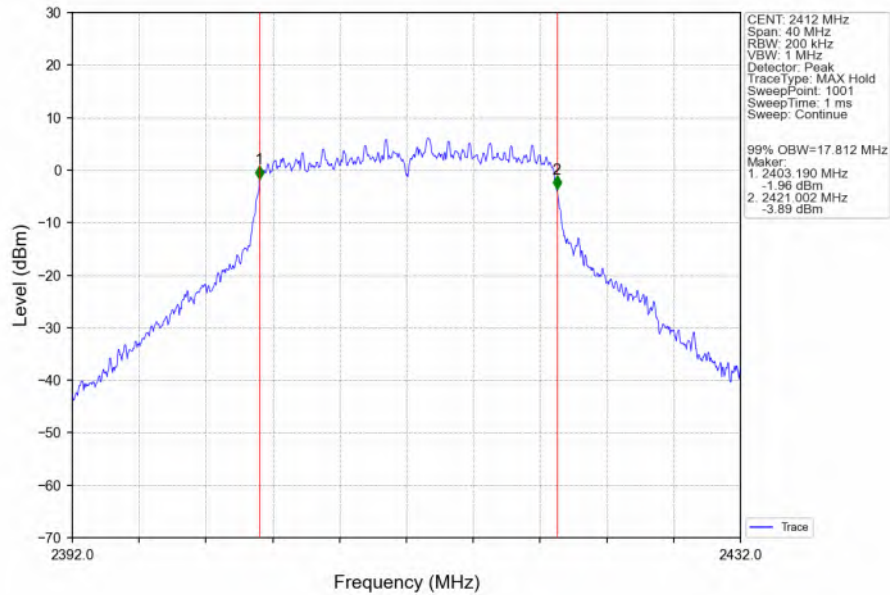
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



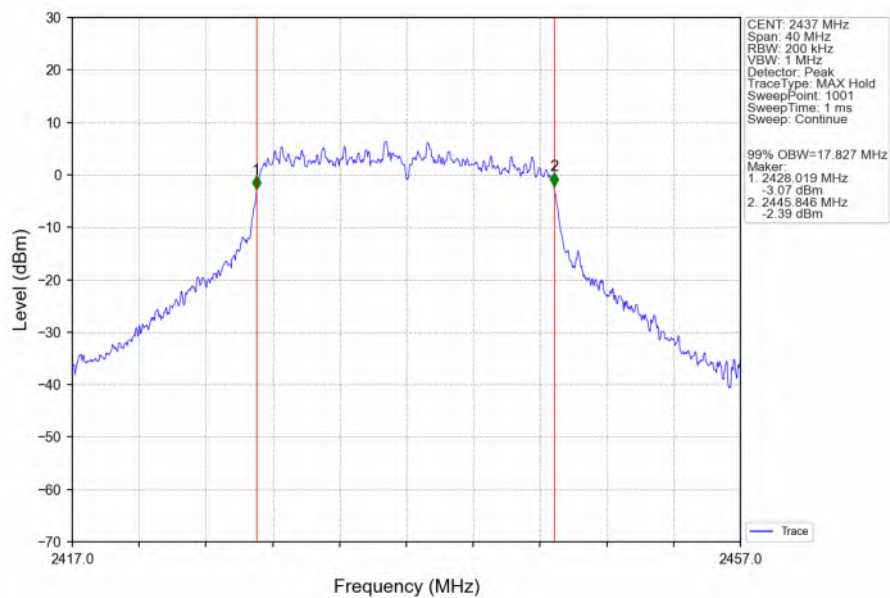
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



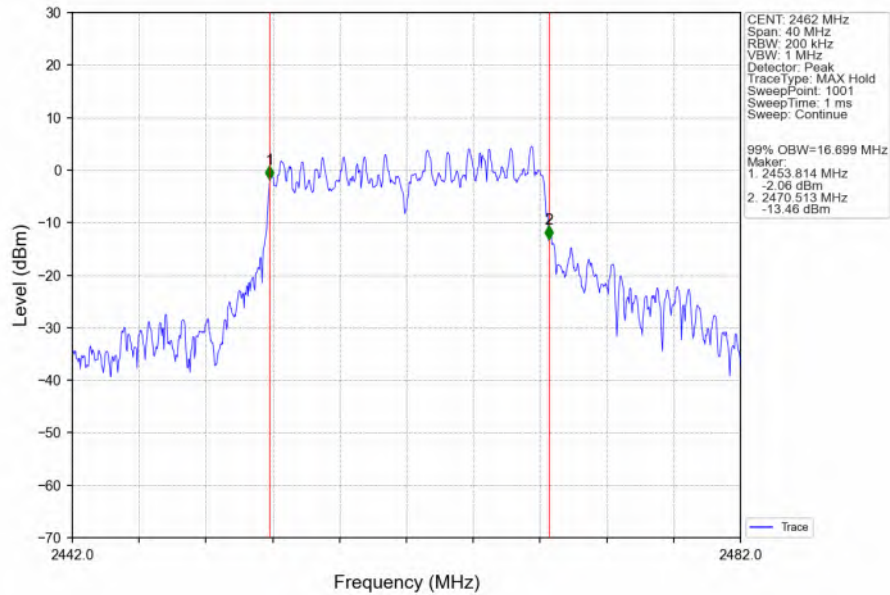
802.11n(HT20) LCH 2412MHz_Ant1 (SISO) NTN



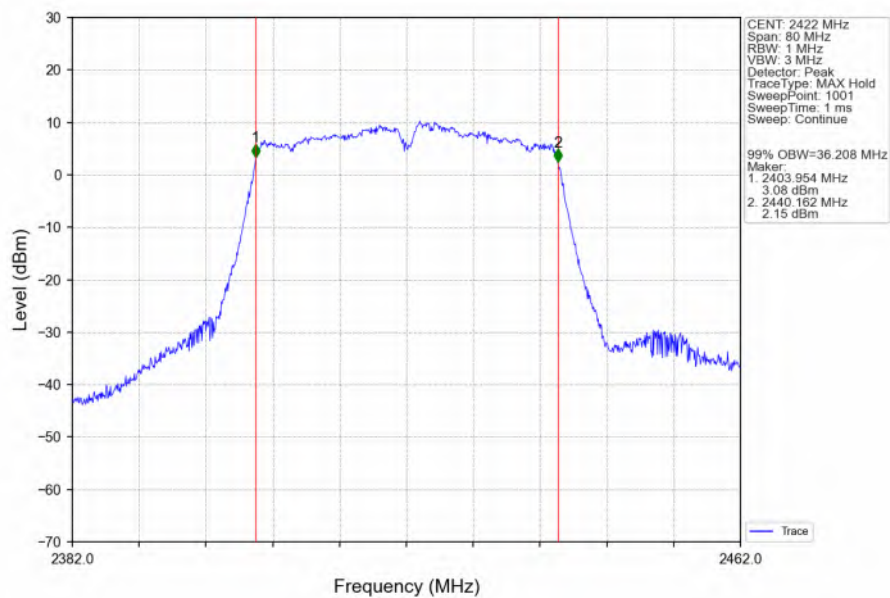
802.11n(HT20) MCH 2437MHz_Ant1 (SISO) NTN



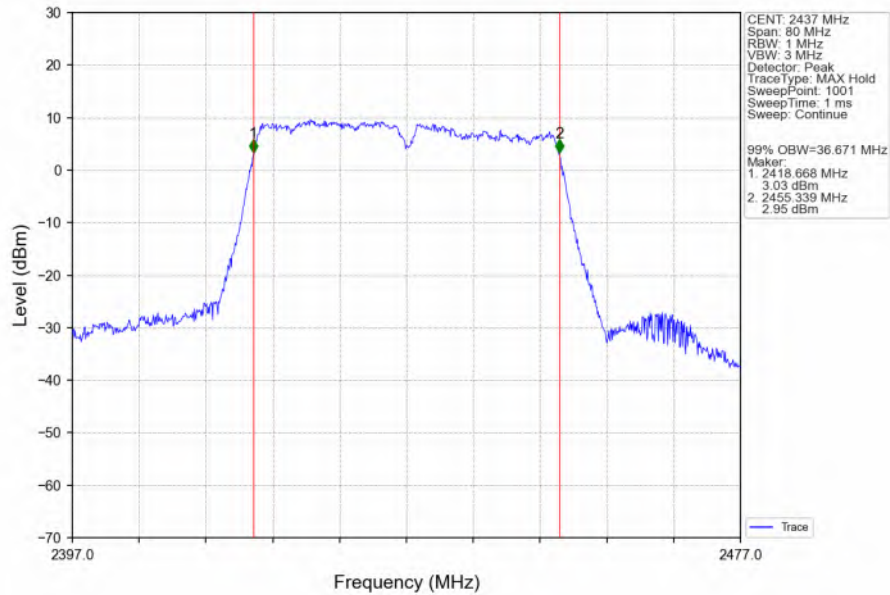
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



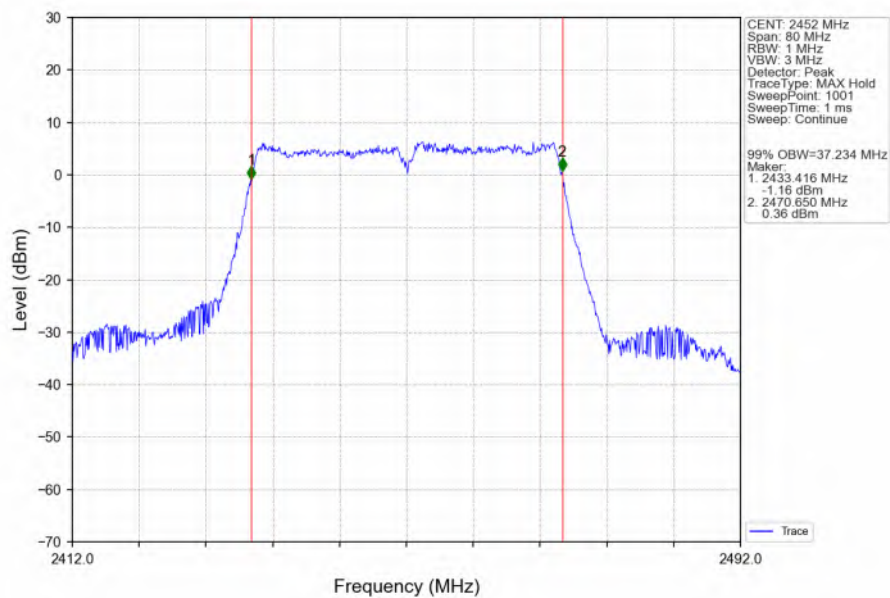
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



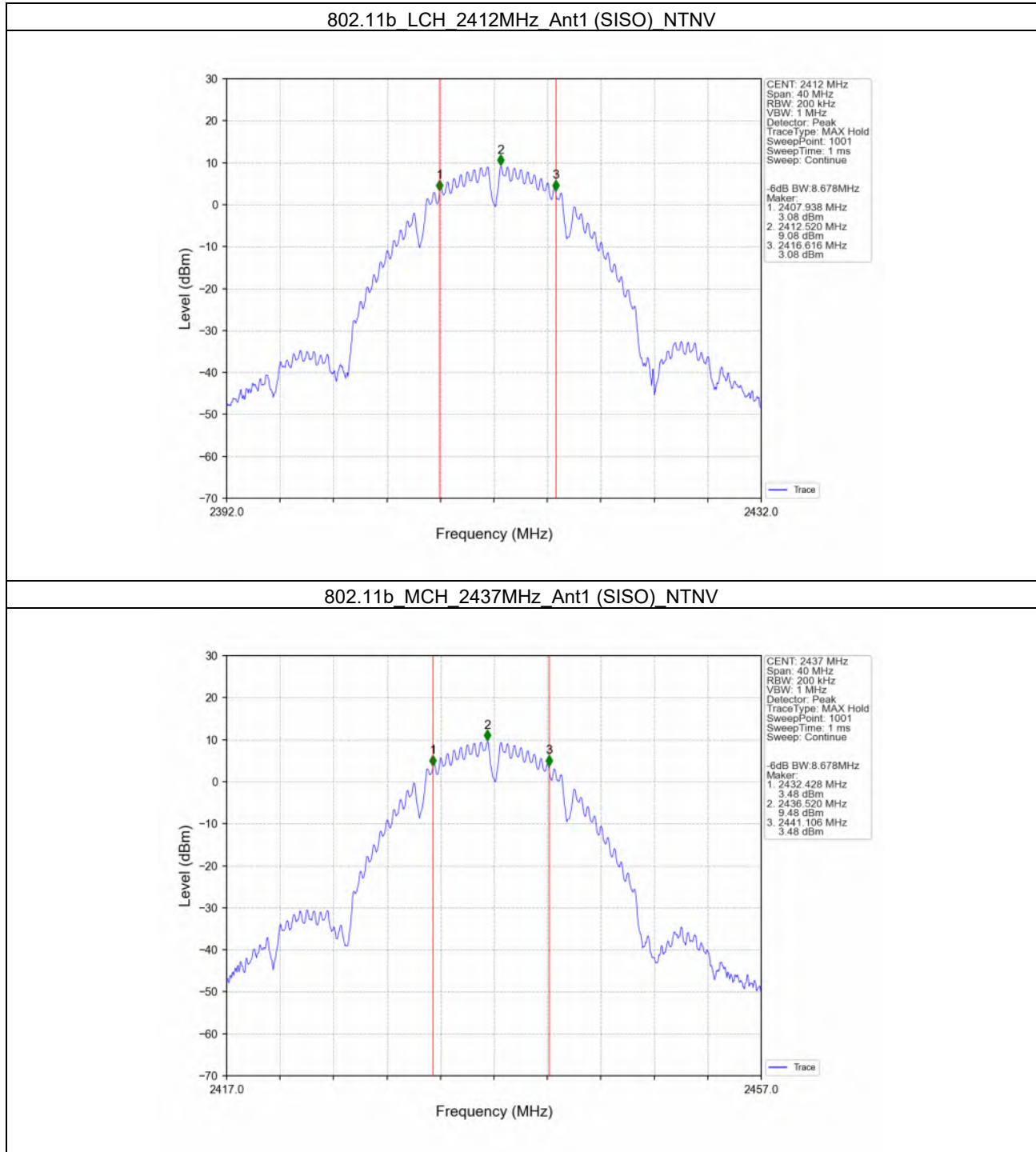
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



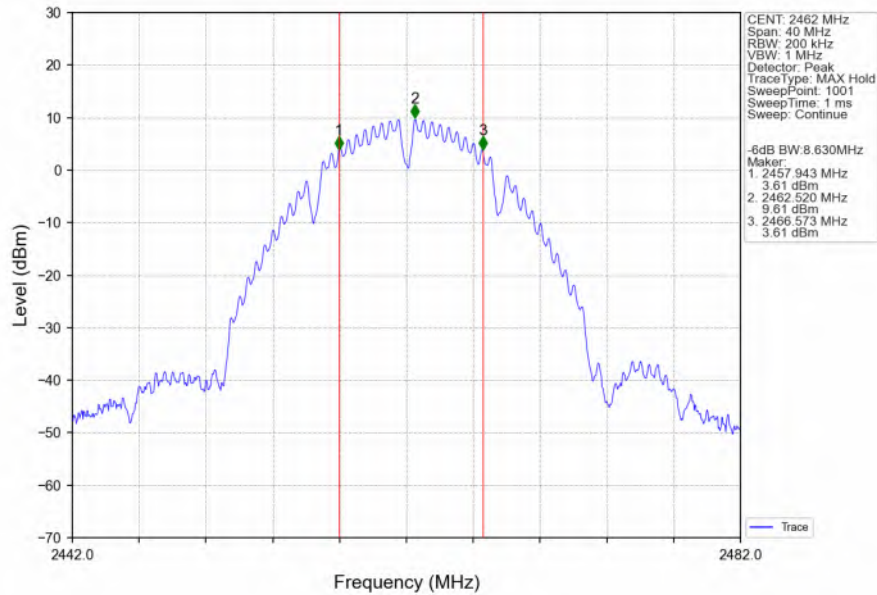
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



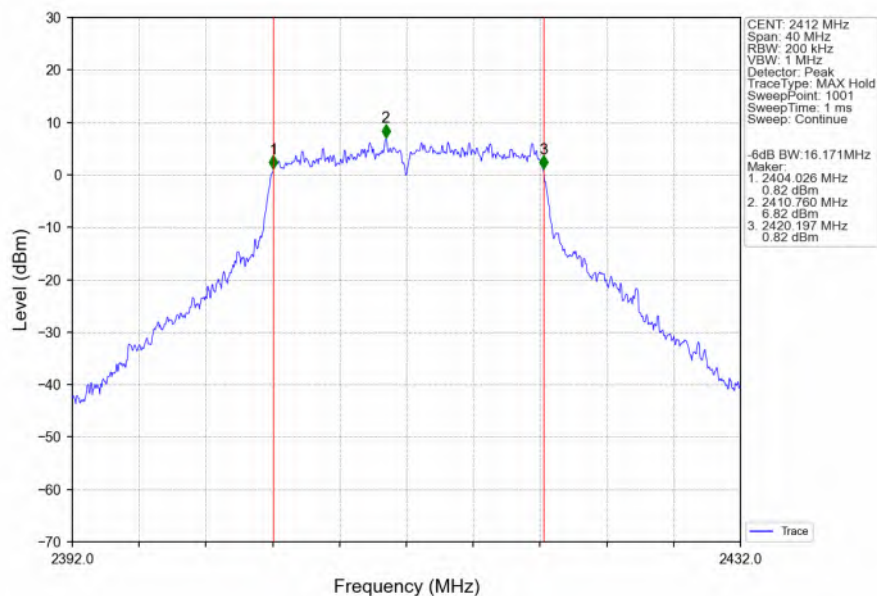
2.2.2 6dB BW



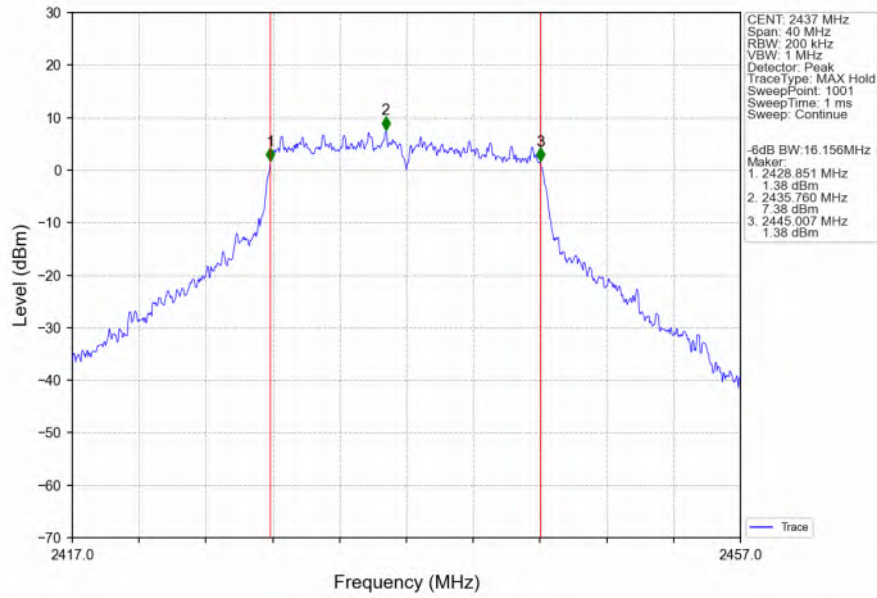
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



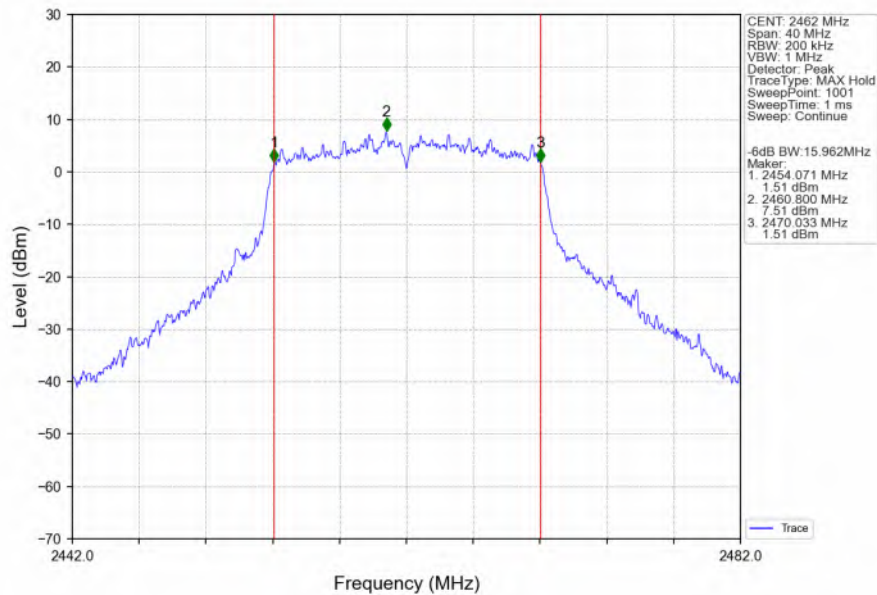
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



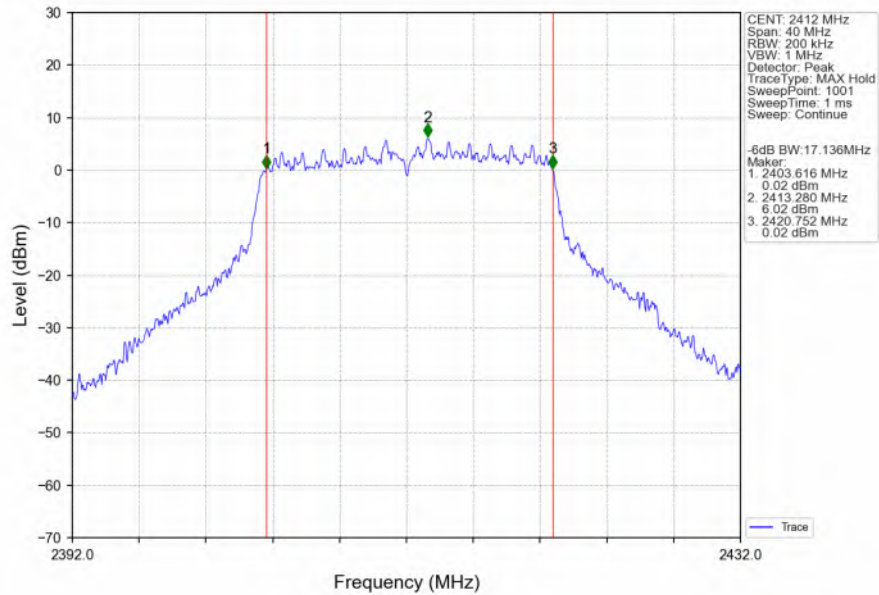
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



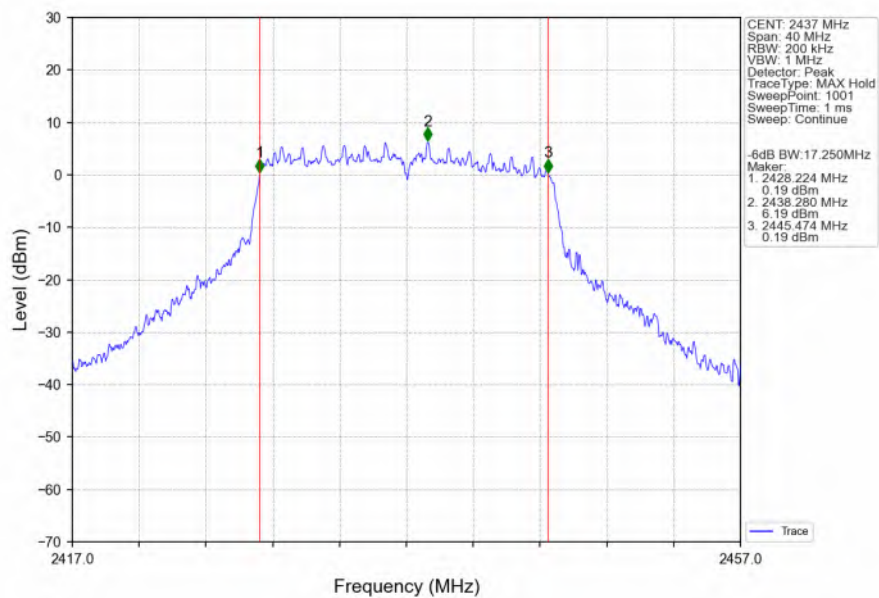
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



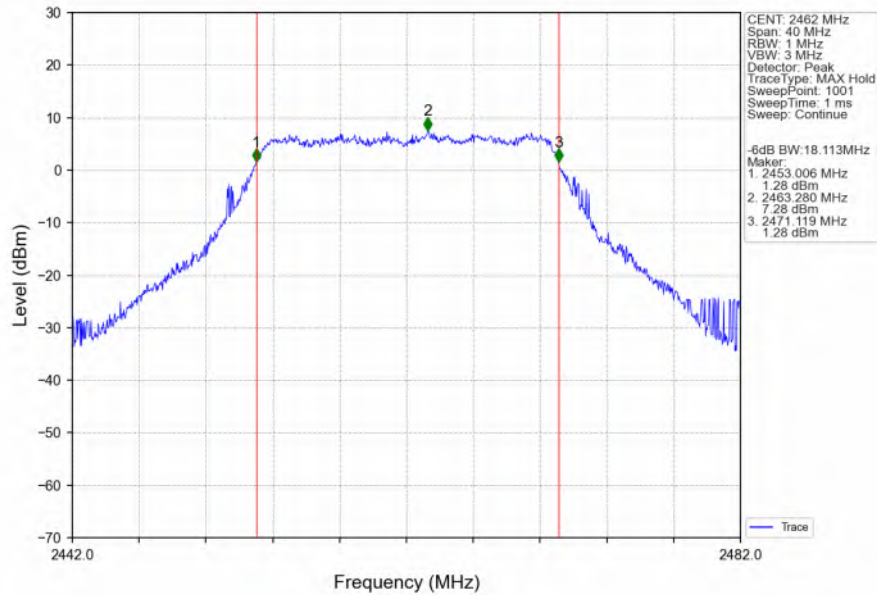
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



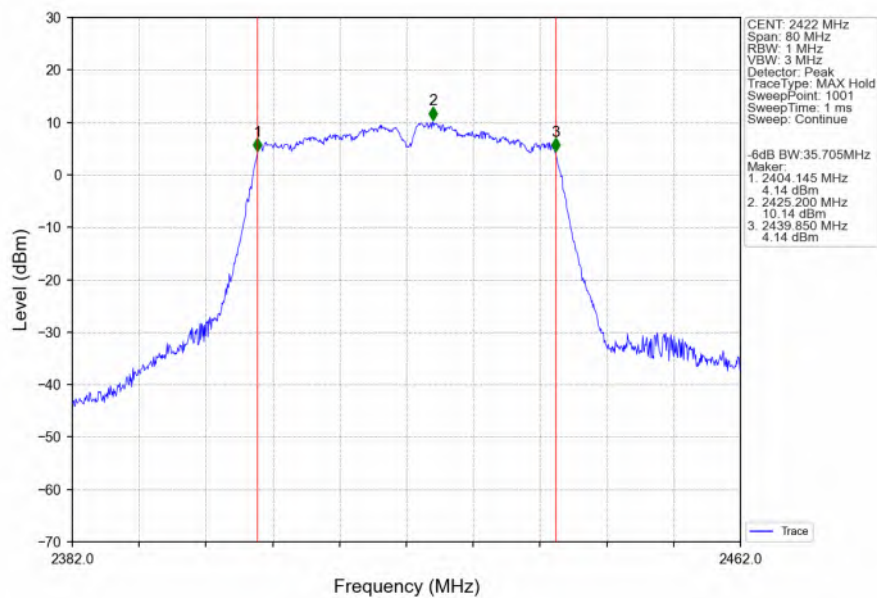
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



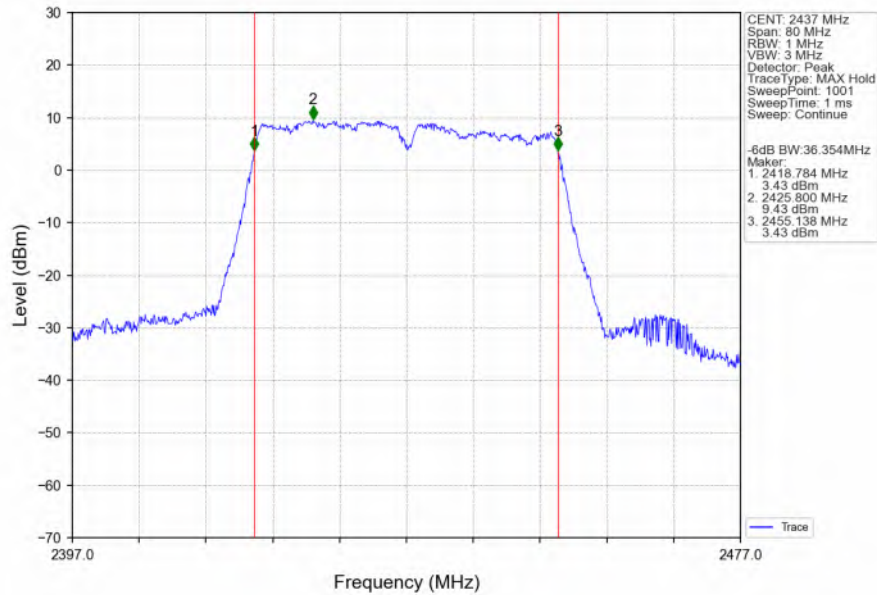
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



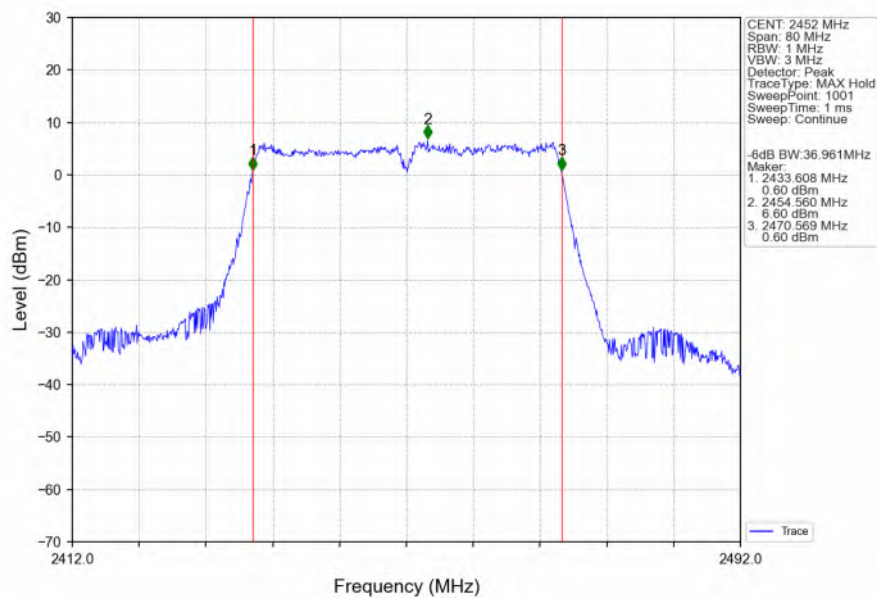
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	19.55	<=30	Pass
		2437	19.86	<=30	Pass
		2462	19.99	<=30	Pass
802.11g	SISO	2412	23.36	<=30	Pass
		2437	23.60	<=30	Pass
		2462	23.67	<=30	Pass
802.11n (HT20)	SISO	2412	22.17	<=30	Pass
		2437	22.48	<=30	Pass
		2462	22.79	<=30	Pass
802.11n (HT40)	SISO	2422	22.54	<=30	Pass
		2437	22.92	<=30	Pass
		2452	19.94	<=30	Pass

Note1: Antenna Gain: Ant1: 2.98dBi;

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

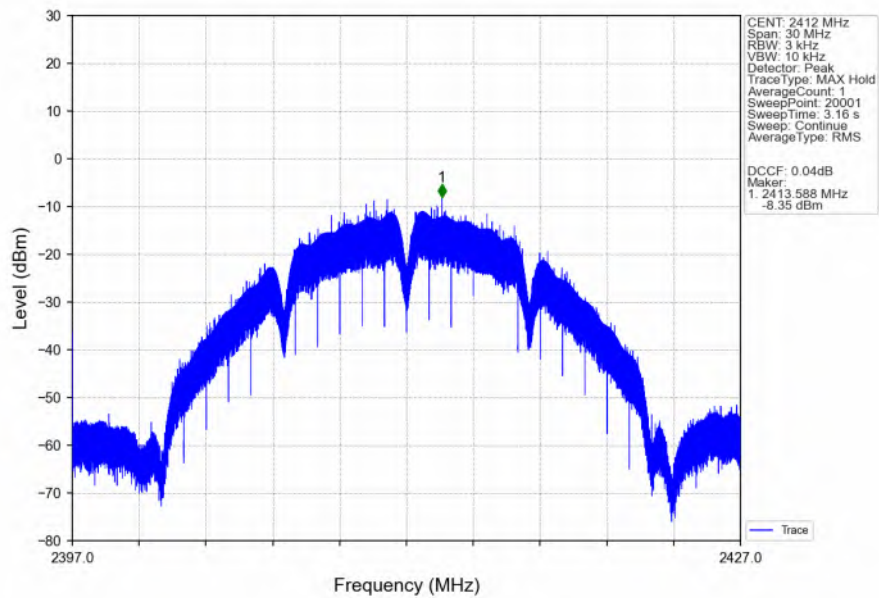
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
802.11b	SISO	2412	-8.35dBm/3kHz	<=8	Pass
		2437	-7.76dBm/3kHz	<=8	Pass
		2462	-7.02dBm/3kHz	<=8	Pass
802.11g	SISO	2412	-8.99dBm/3kHz	<=8	Pass
		2437	-10.85dBm/3kHz	<=8	Pass
		2462	-9.35dBm/3kHz	<=8	Pass
802.11n (HT20)	SISO	2412	-11.34dBm/3kHz	<=8	Pass
		2437	-11.30dBm/3kHz	<=8	Pass
		2462	-11.80dBm/3kHz	<=8	Pass
802.11n (HT40)	SISO	2422	-13.24dBm/3kHz	<=8	Pass
		2437	-14.18dBm/3kHz	<=8	Pass
		2452	-14.85dBm/3kHz	<=8	Pass

Note1: Antenna Gain: Ant1: 2.98dBi;

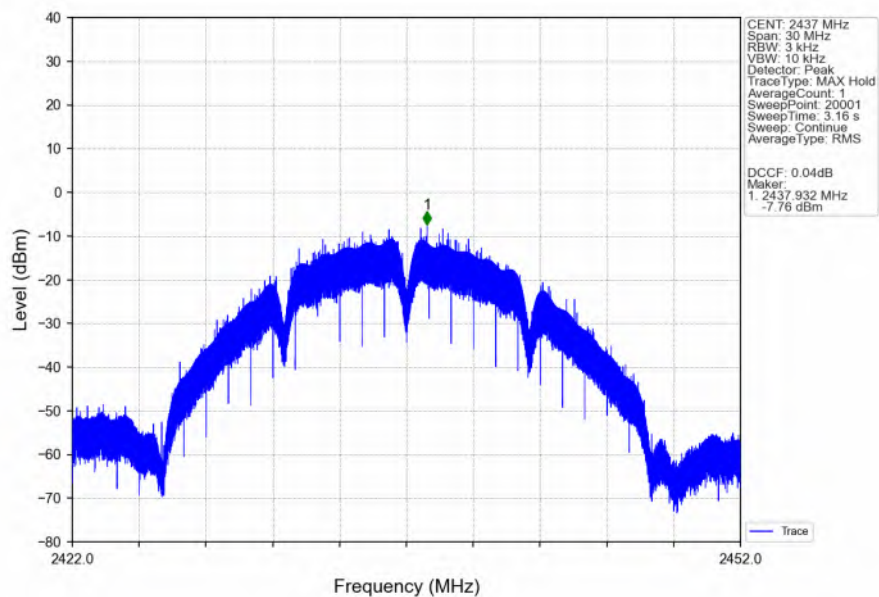
4.2 Test Graph

4.2.1 PSD

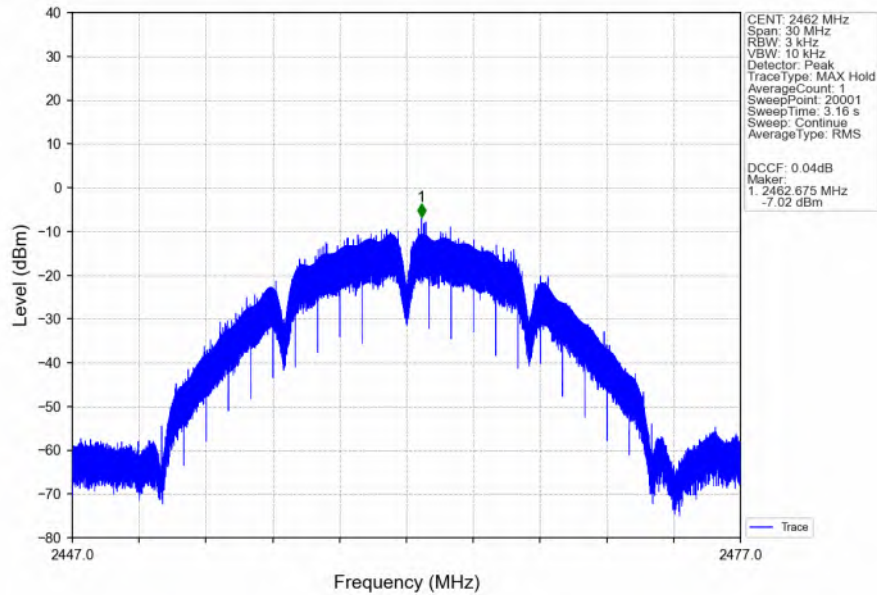
802.11b LCH 2412MHz_Ant1 (SISO) NTN



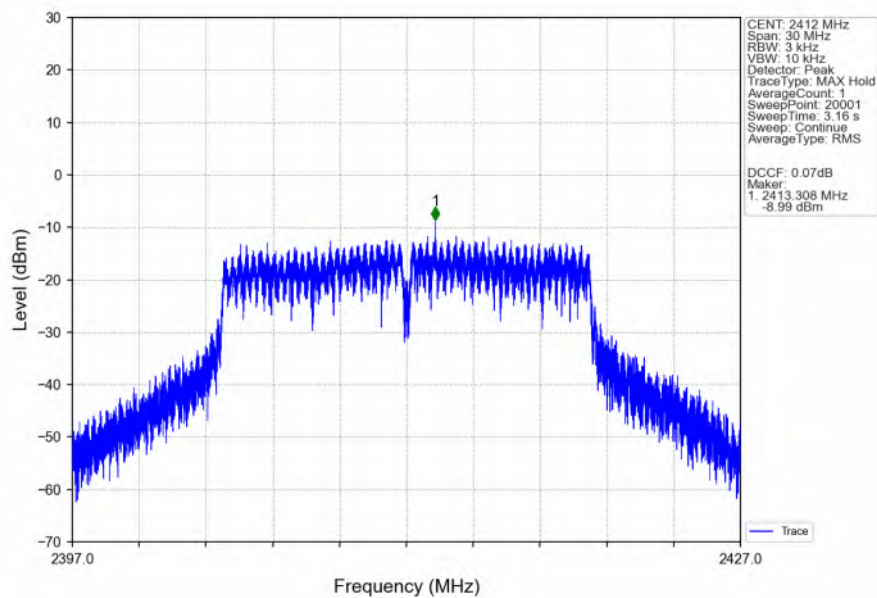
802.11b MCH 2437MHz_Ant1 (SISO) NTN



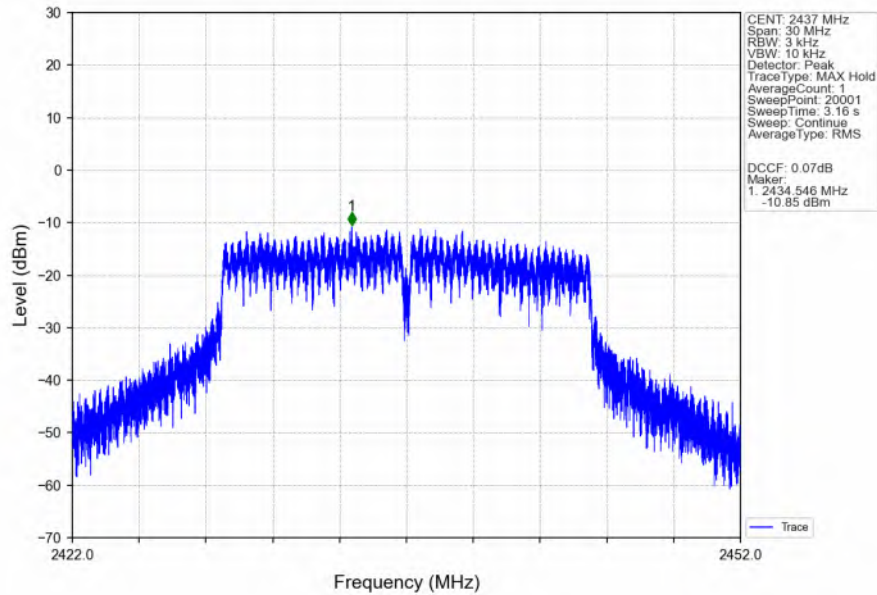
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



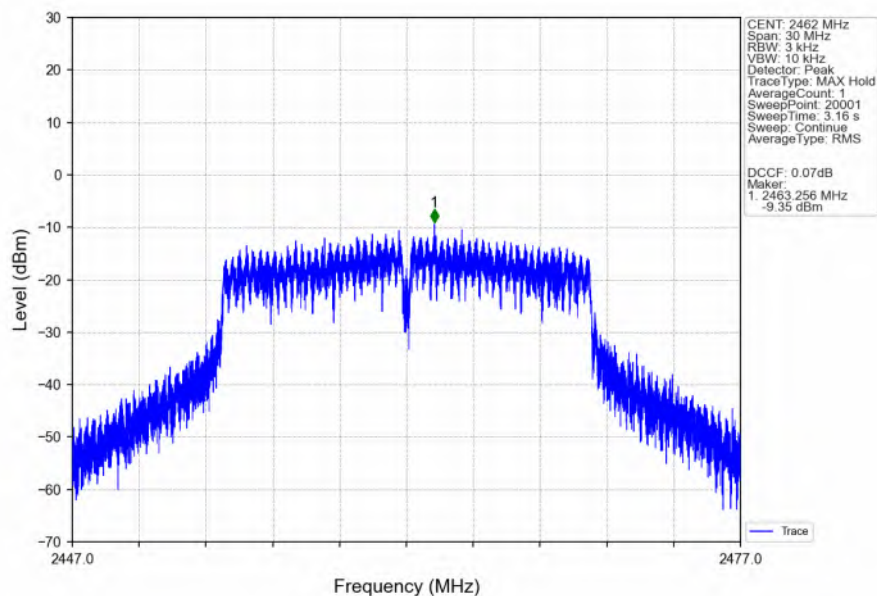
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



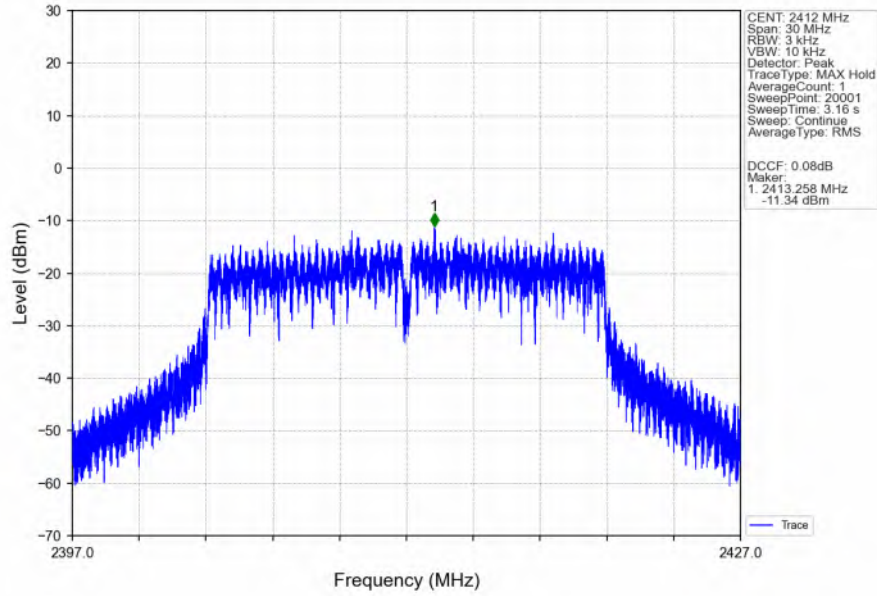
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



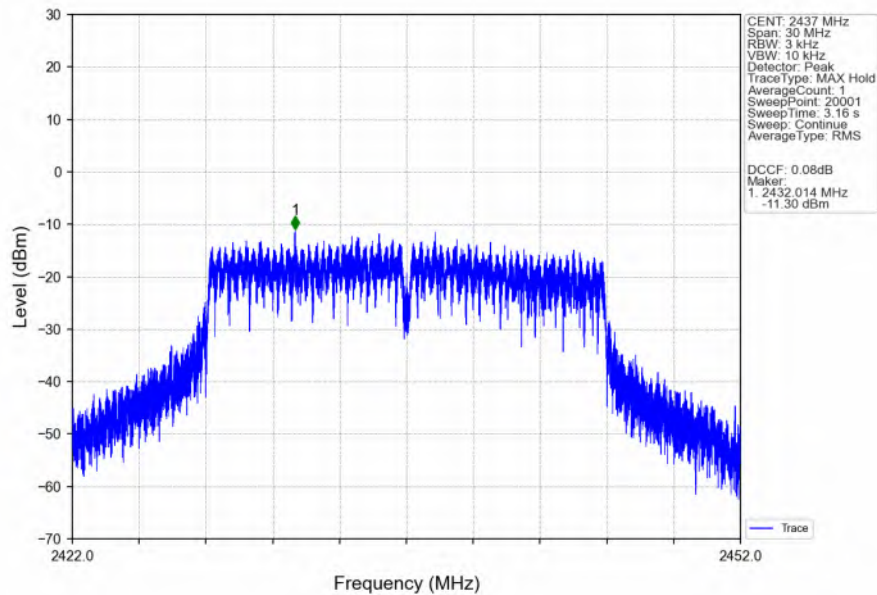
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



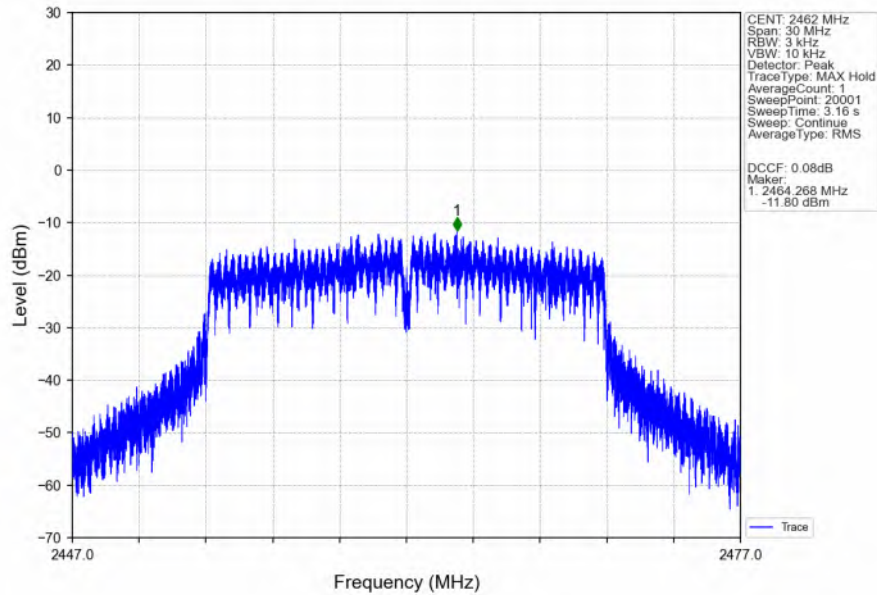
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



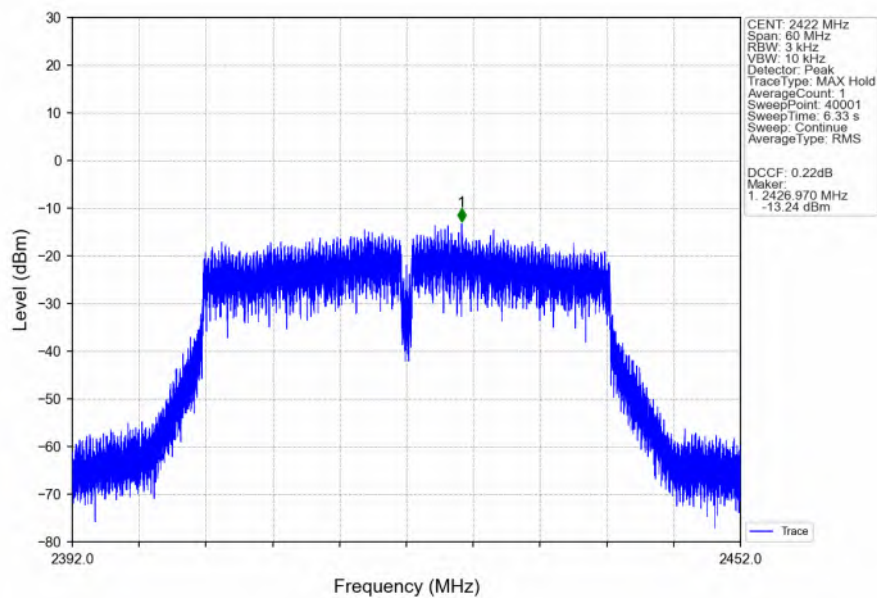
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



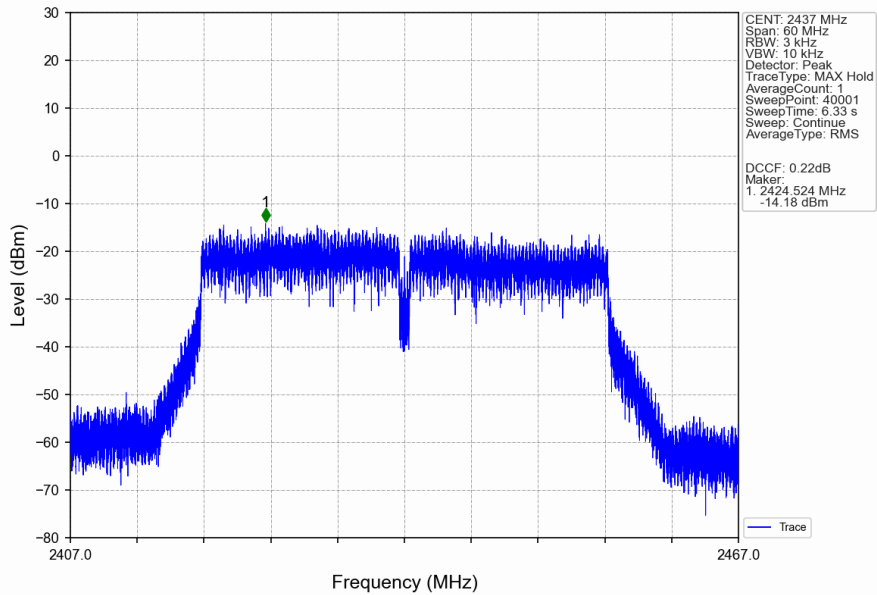
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



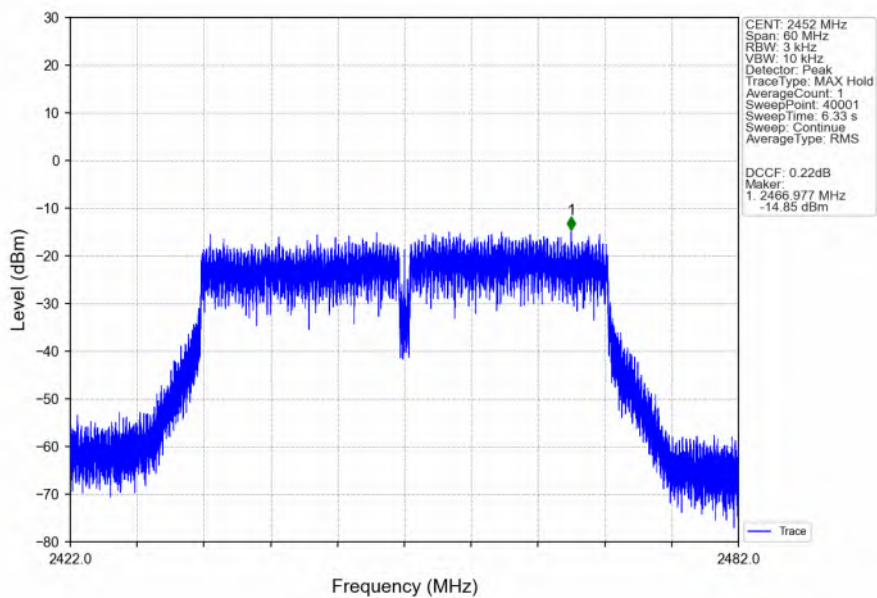
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

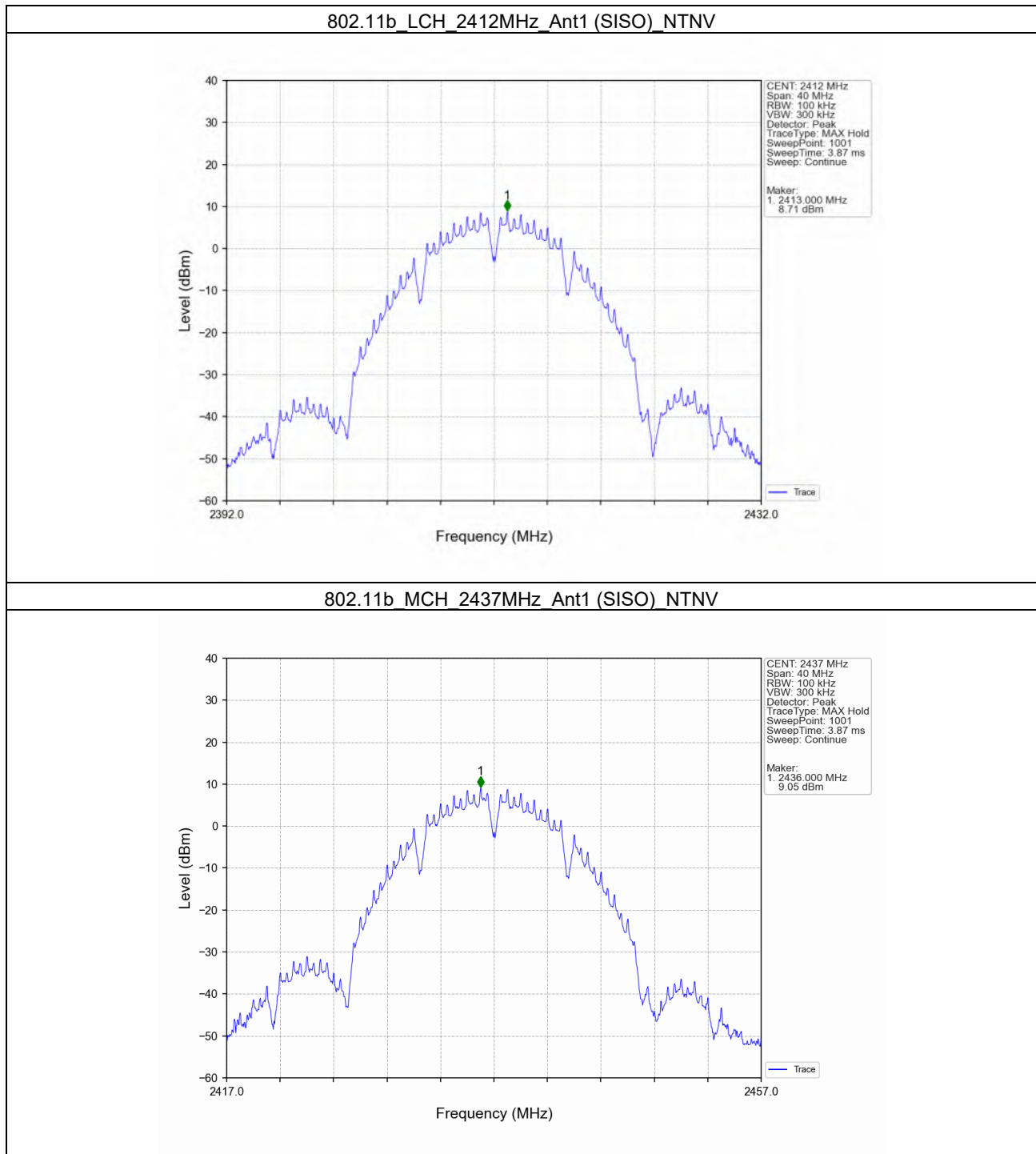
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	8.71
		2437	1	9.05
		2462	1	9.27
802.11g	SISO	2412	1	6.41
		2437	1	5.84
		2462	1	7.08
802.11n (HT20)	SISO	2412	1	4.83
		2437	1	4.80
		2462	1	5.23
802.11n (HT40)	SISO	2422	1	1.39
		2437	1	1.52
		2452	1	0.93

5.1.2 CSE

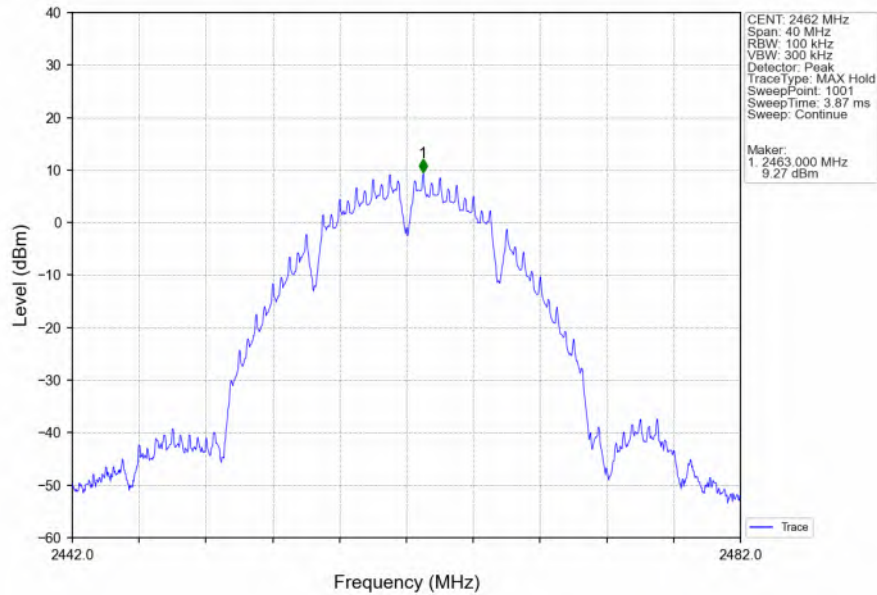
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	9.27	-10.73	Pass
		2437	1	9.27	-10.73	Pass
		2462	1	9.27	-10.73	Pass
802.11g	SISO	2412	1	7.08	-12.92	Pass
		2437	1	7.08	-12.92	Pass
		2462	1	7.08	-12.92	Pass
802.11n (HT20)	SISO	2412	1	5.23	-14.77	Pass
		2437	1	5.23	-14.77	Pass
		2462	1	5.23	-14.77	Pass
802.11n (HT40)	SISO	2422	1	1.52	-18.48	Pass
		2437	1	1.52	-18.48	Pass
		2452	1	1.52	-18.48	Pass

5.2 Test Graph

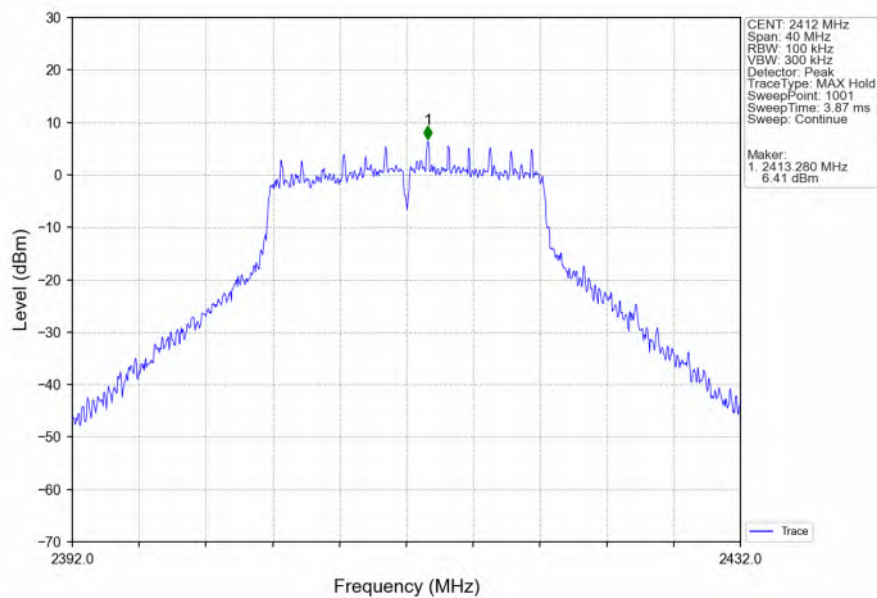
5.2.1 Ref



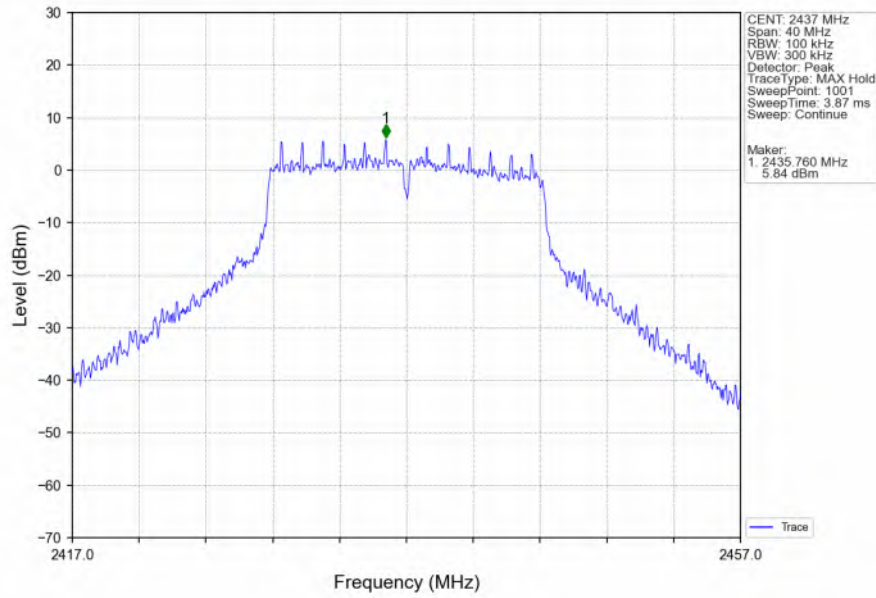
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



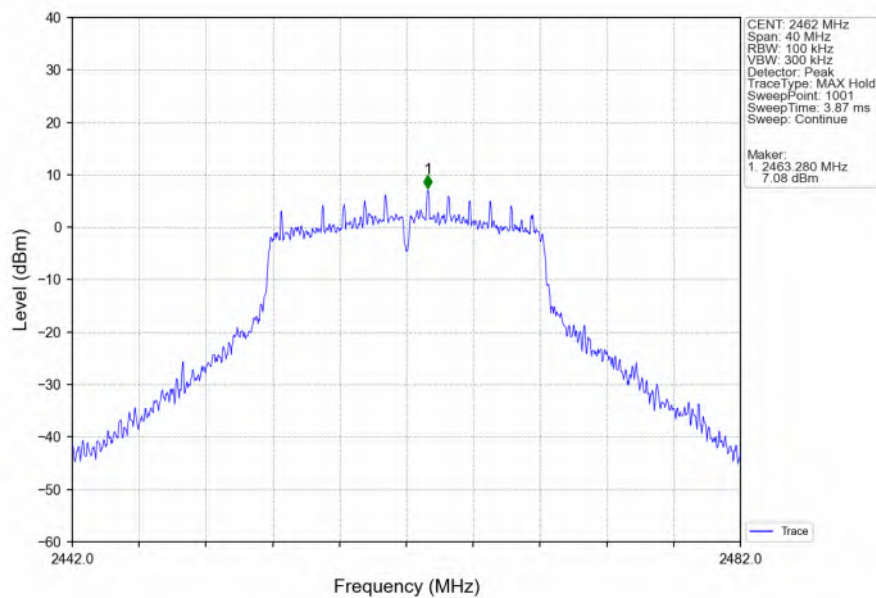
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



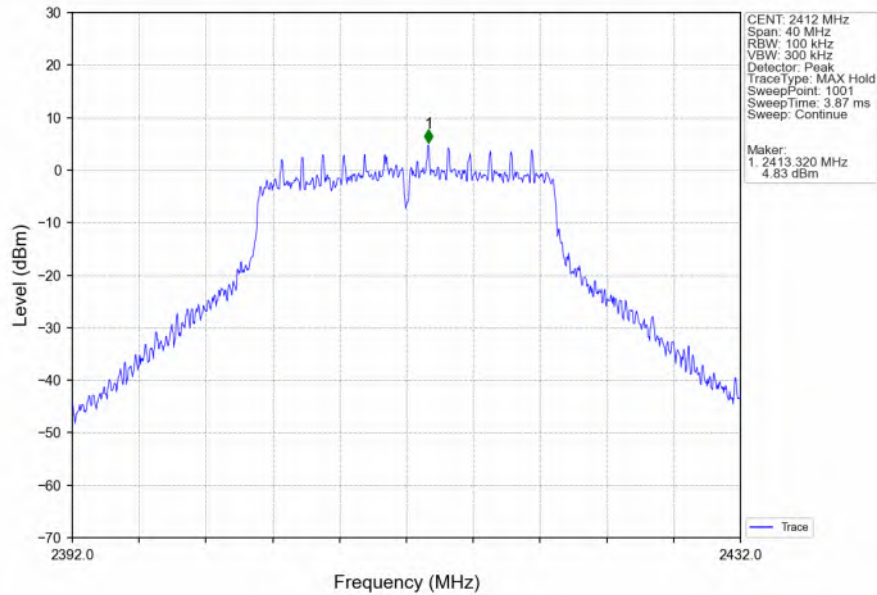
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



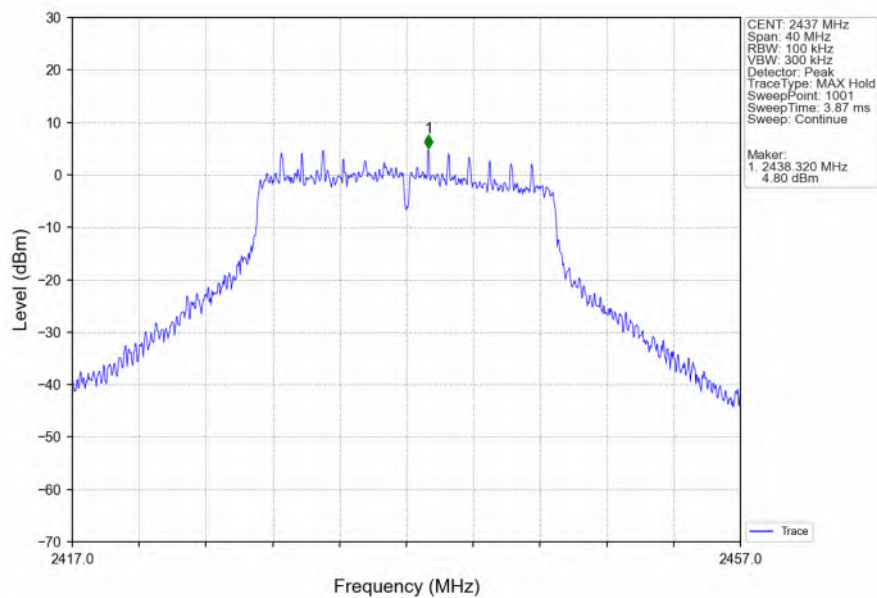
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



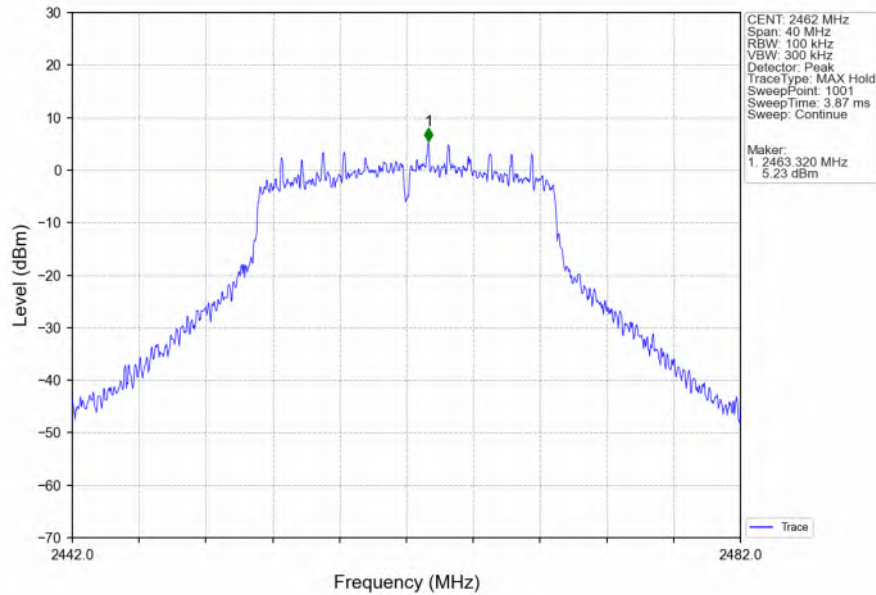
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



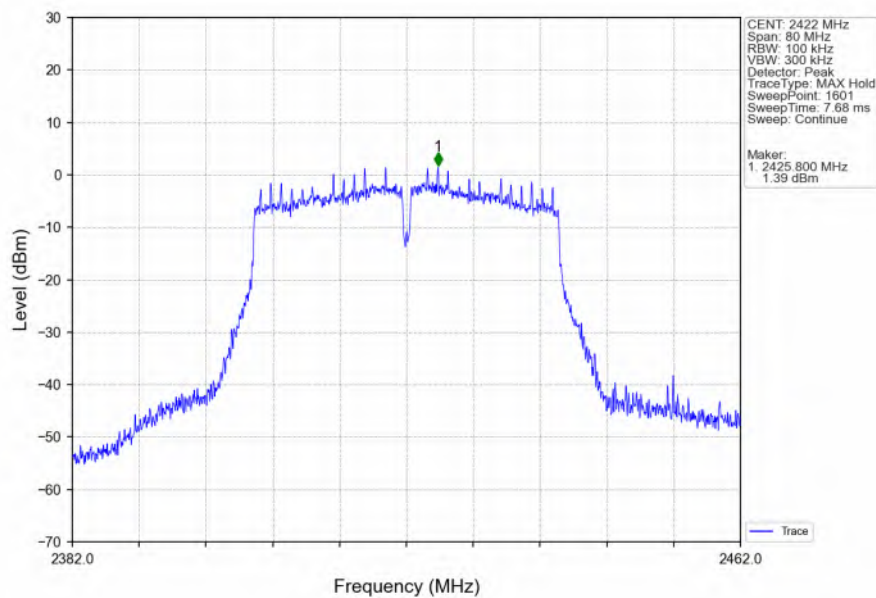
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



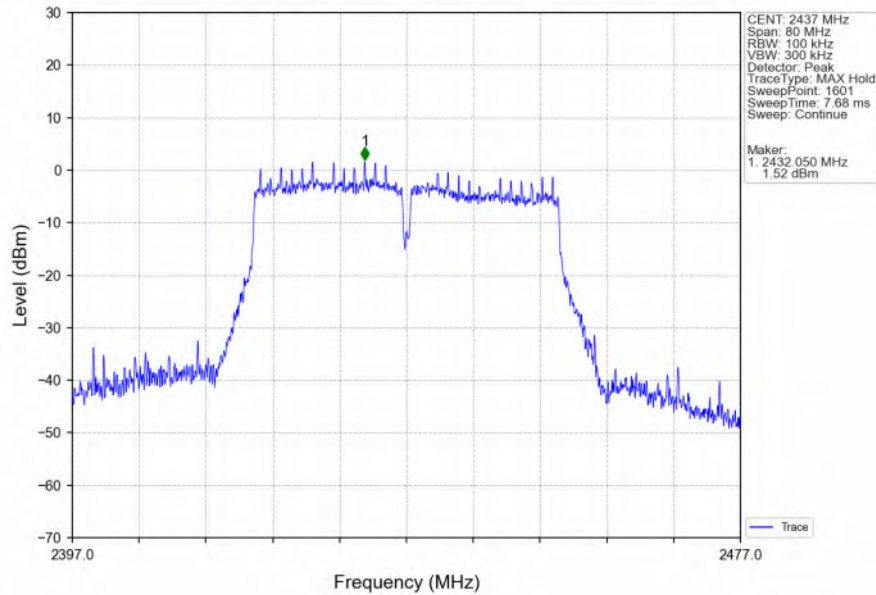
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



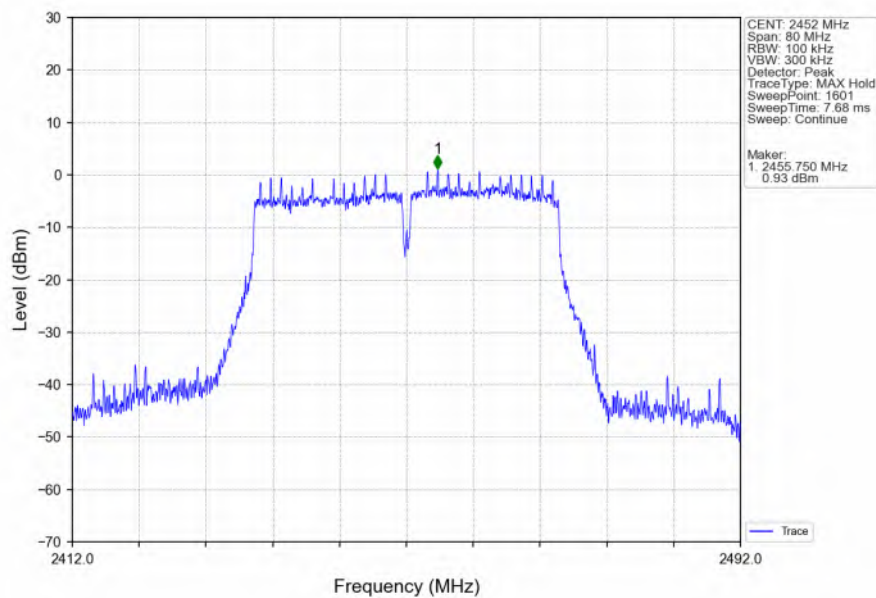
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

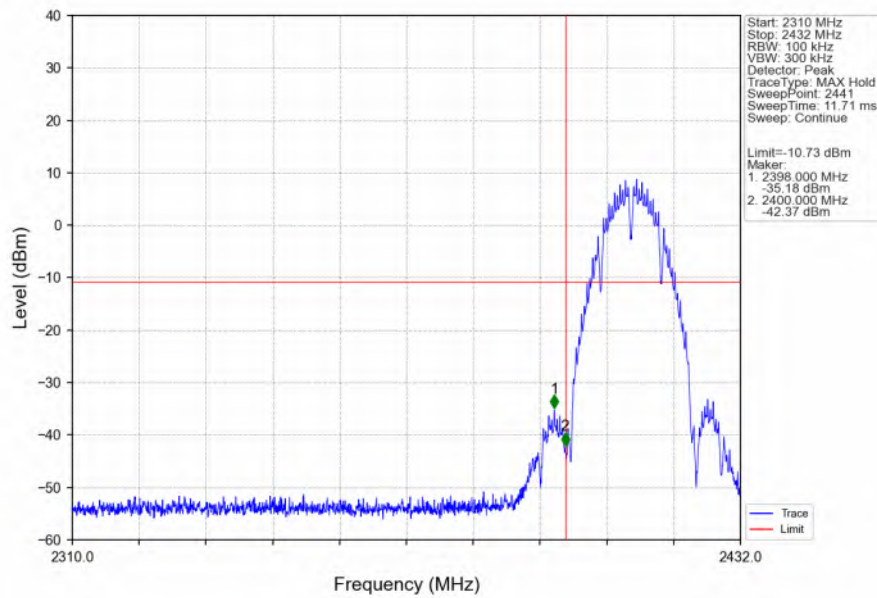


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

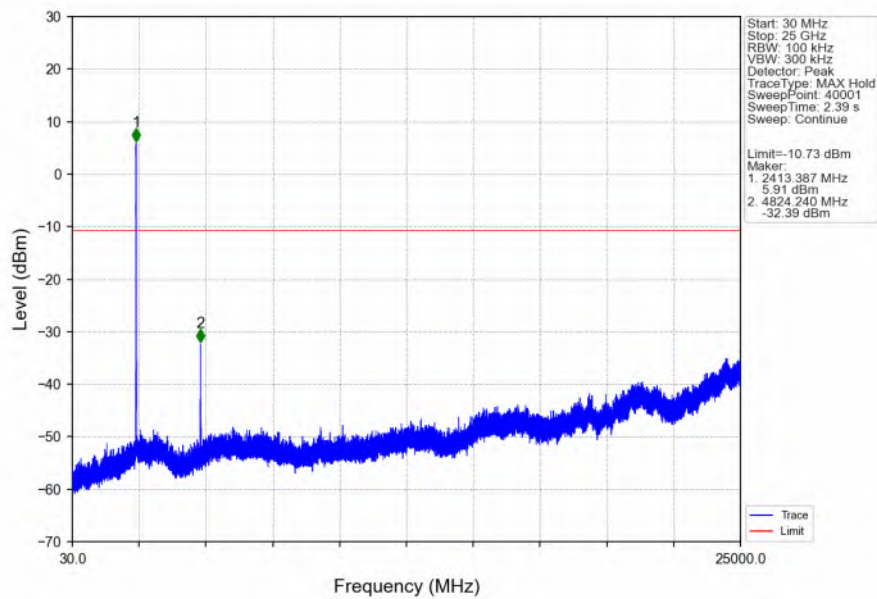


5.2.2 CSE

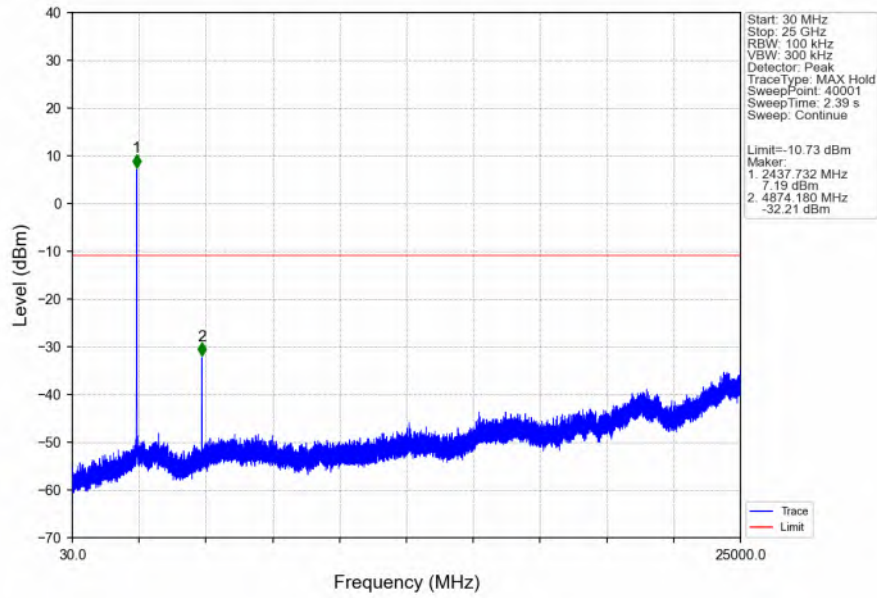
802.11b LCH 2412MHz Ant1 (SISO) NTN



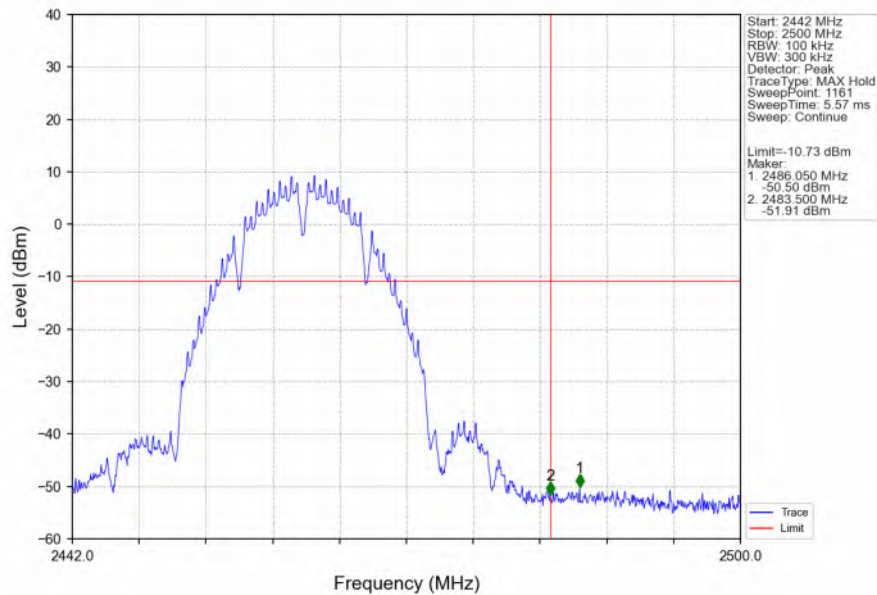
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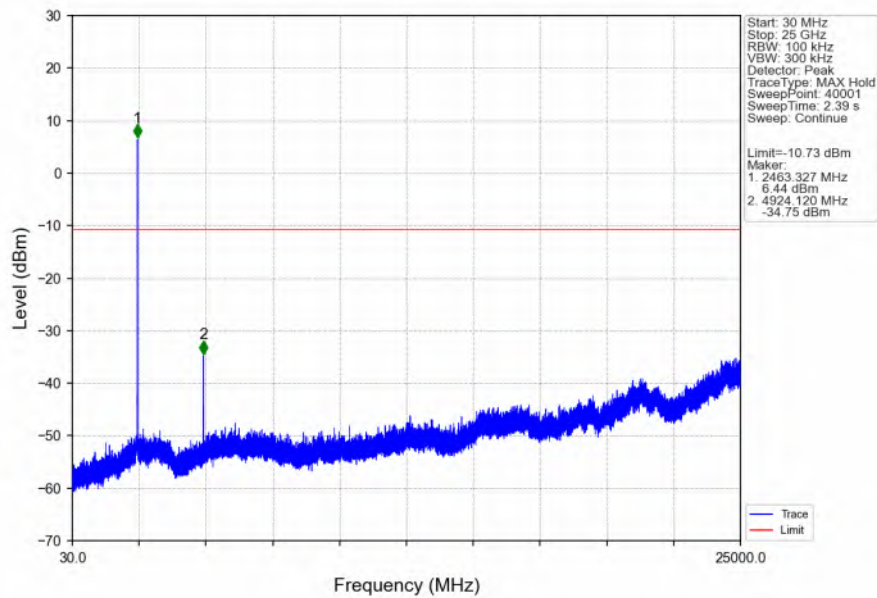
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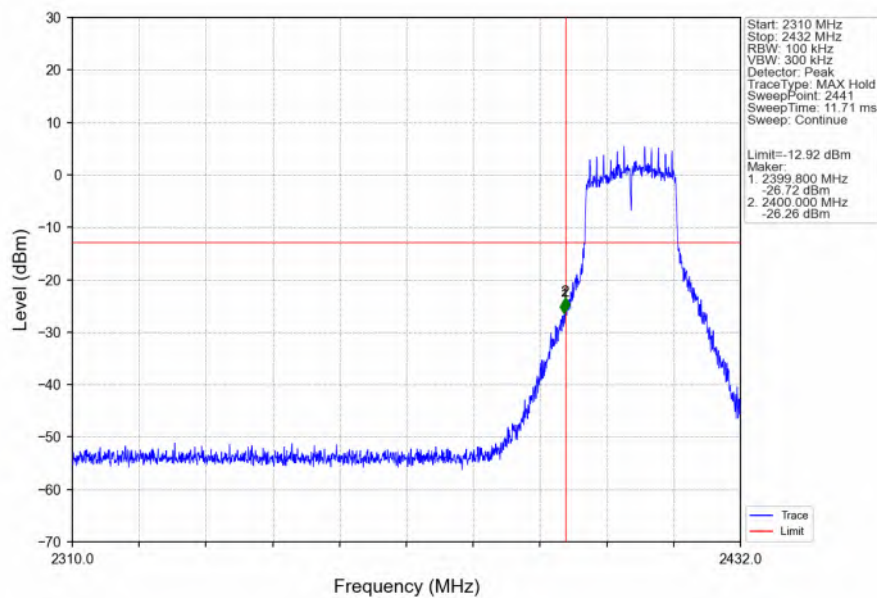
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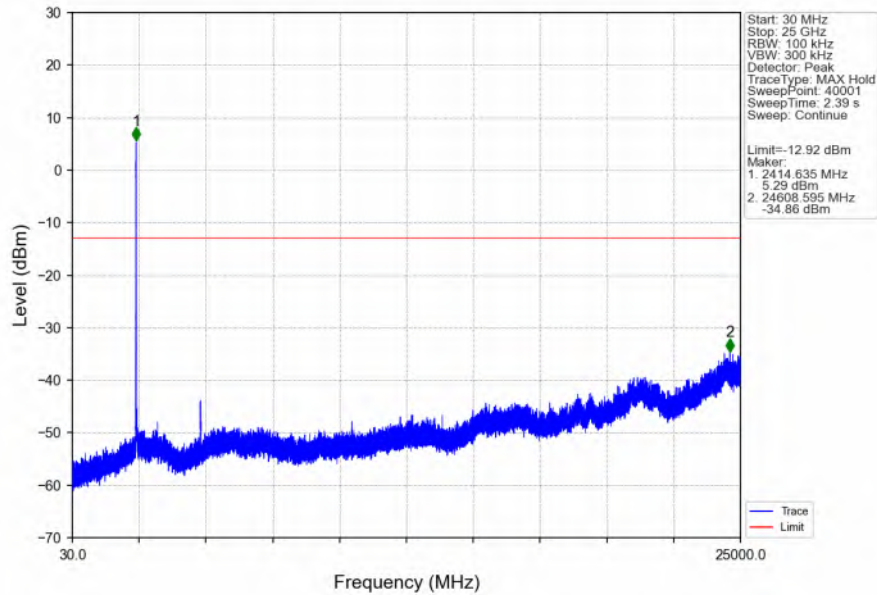
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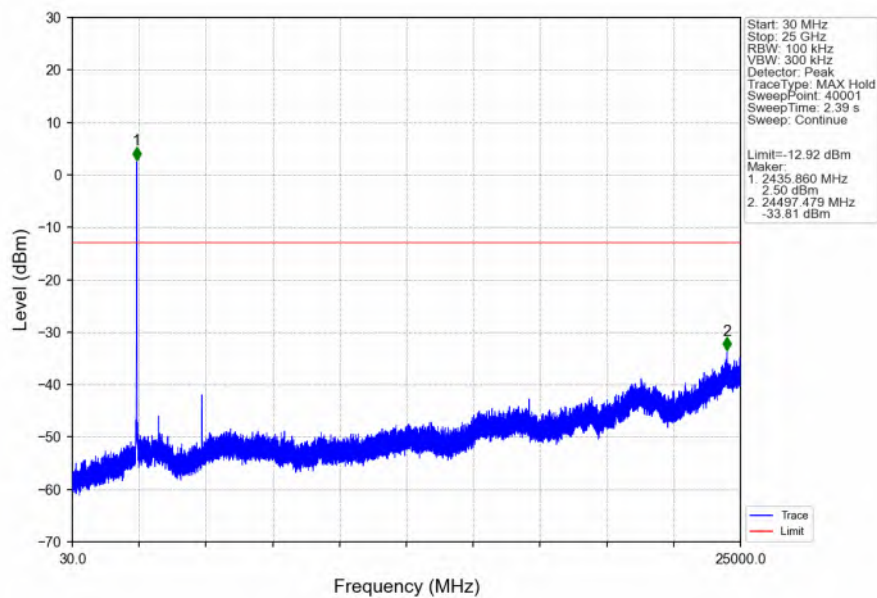
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



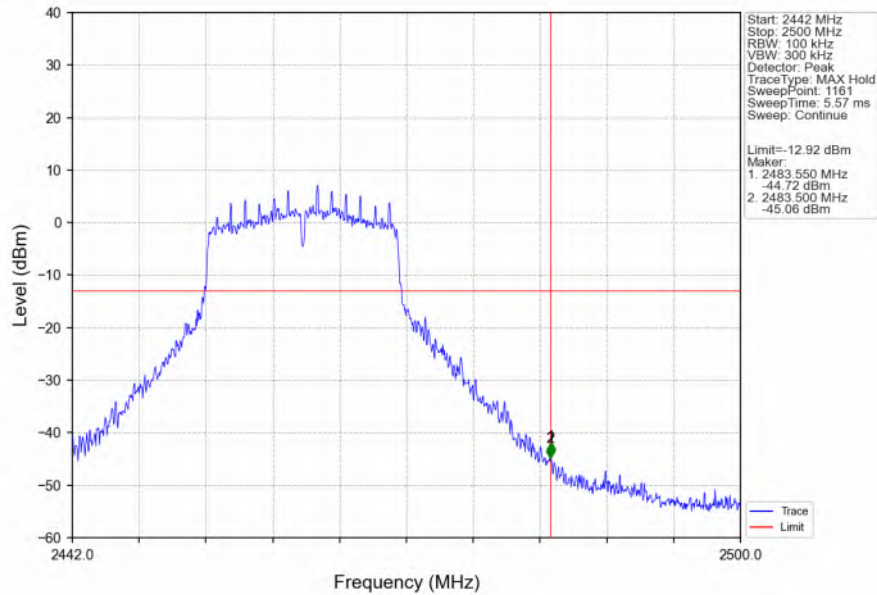
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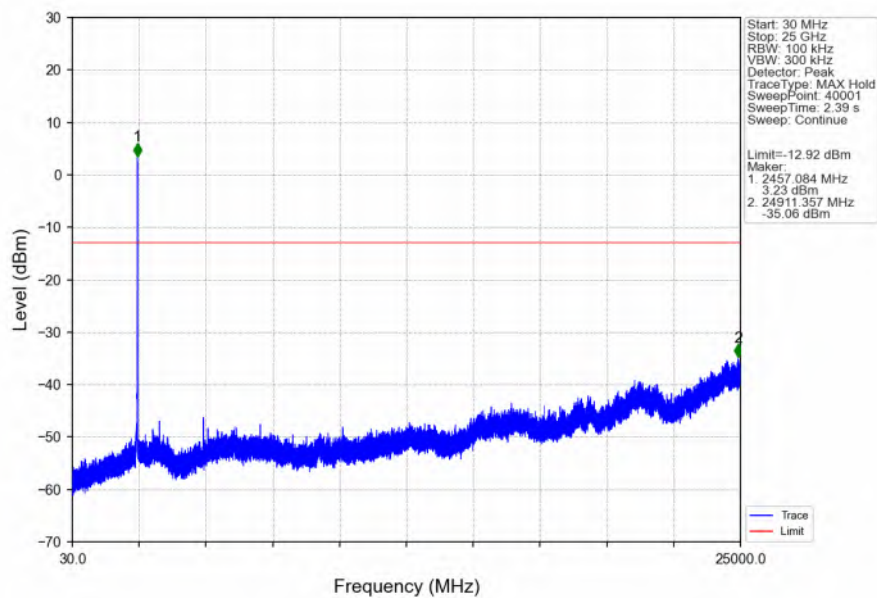
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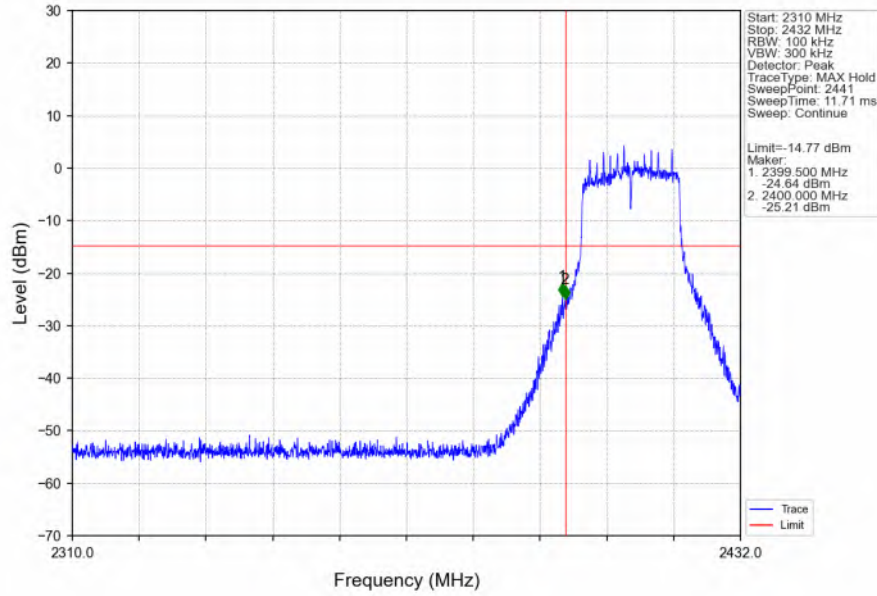
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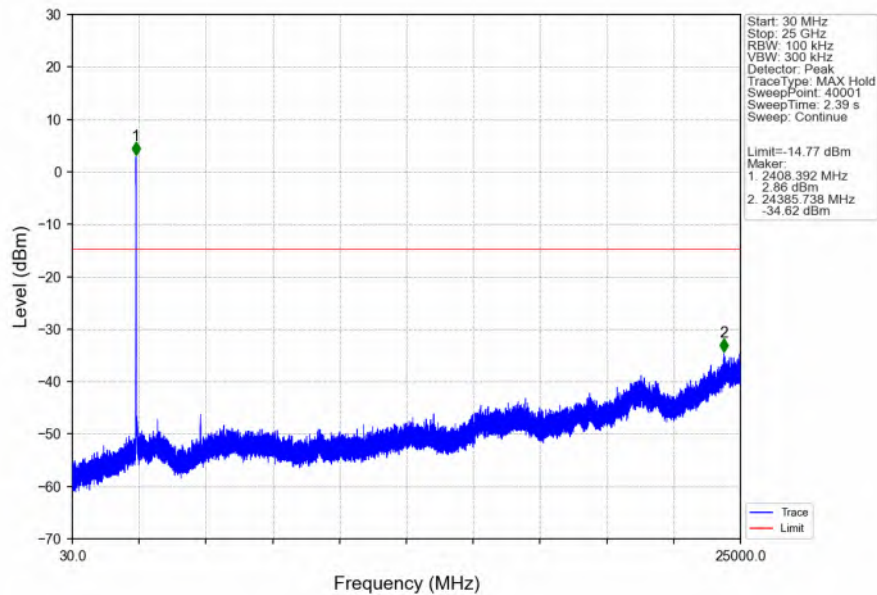
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



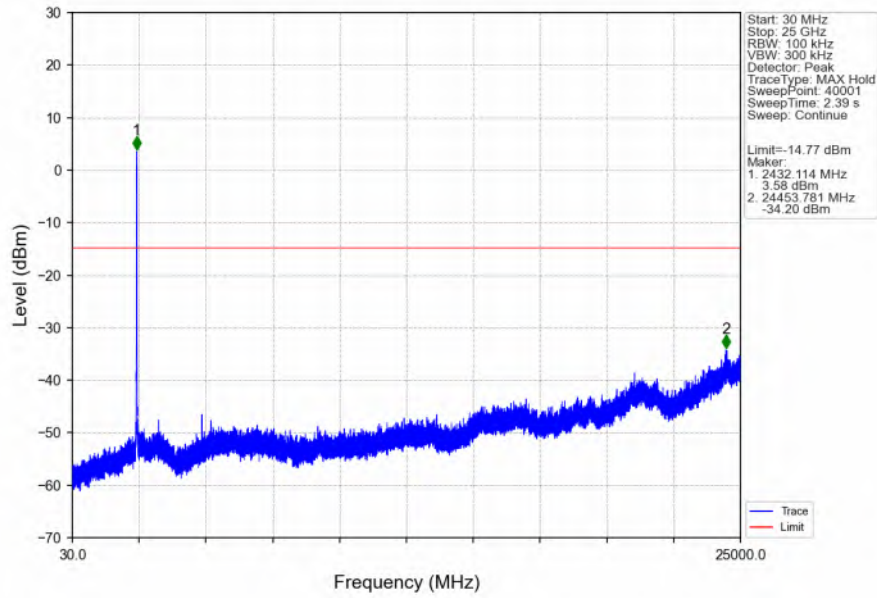
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



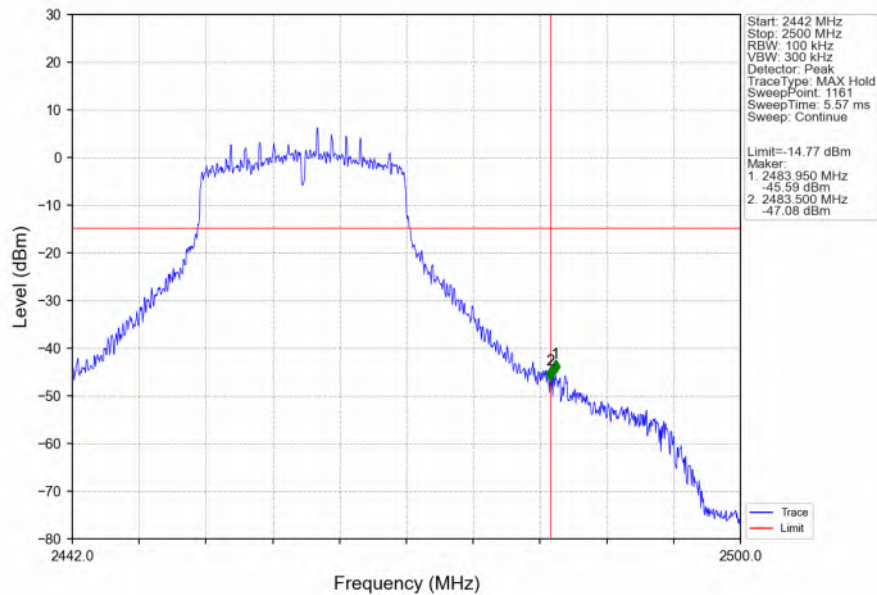
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



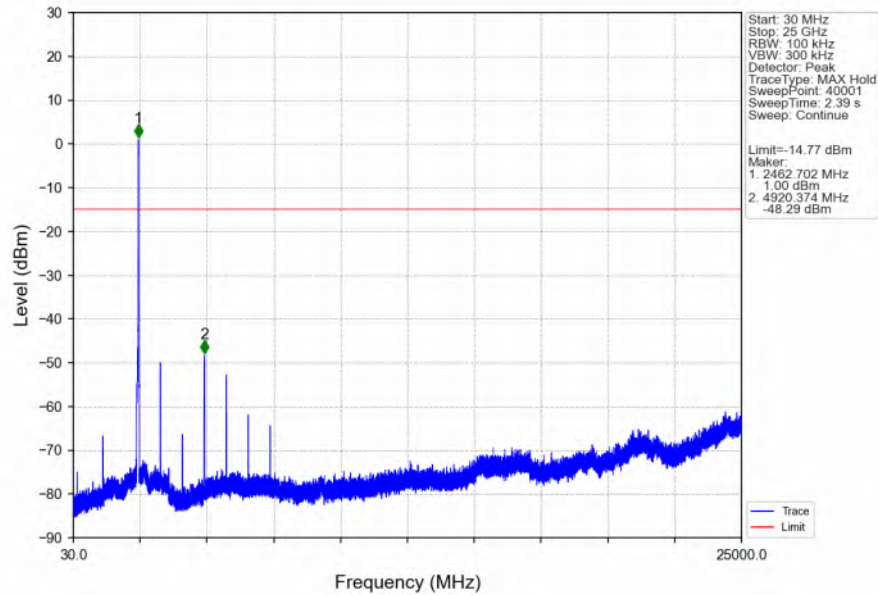
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



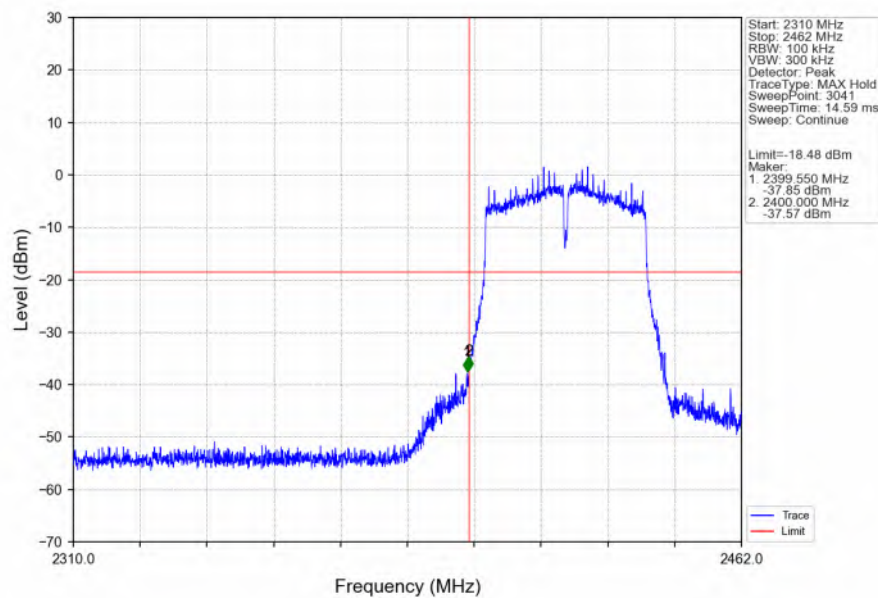
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



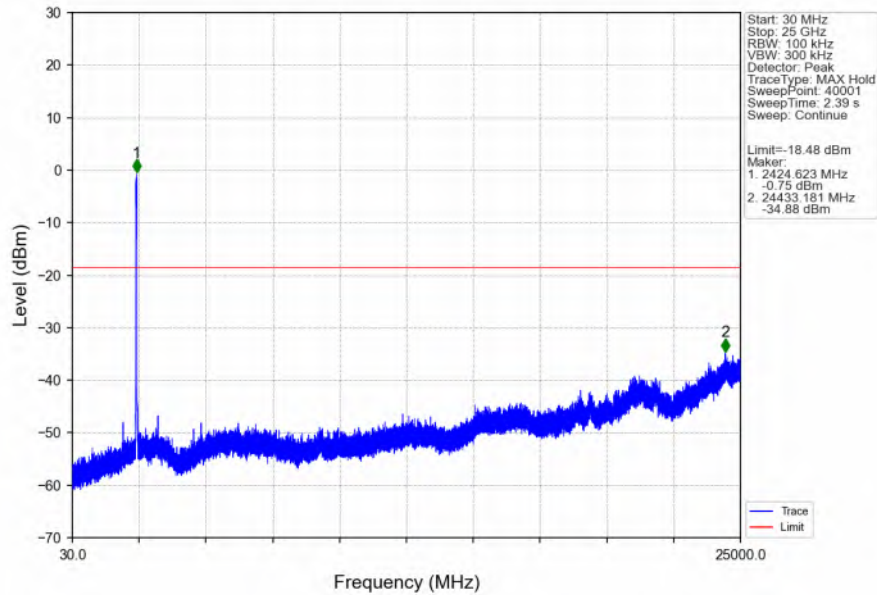
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



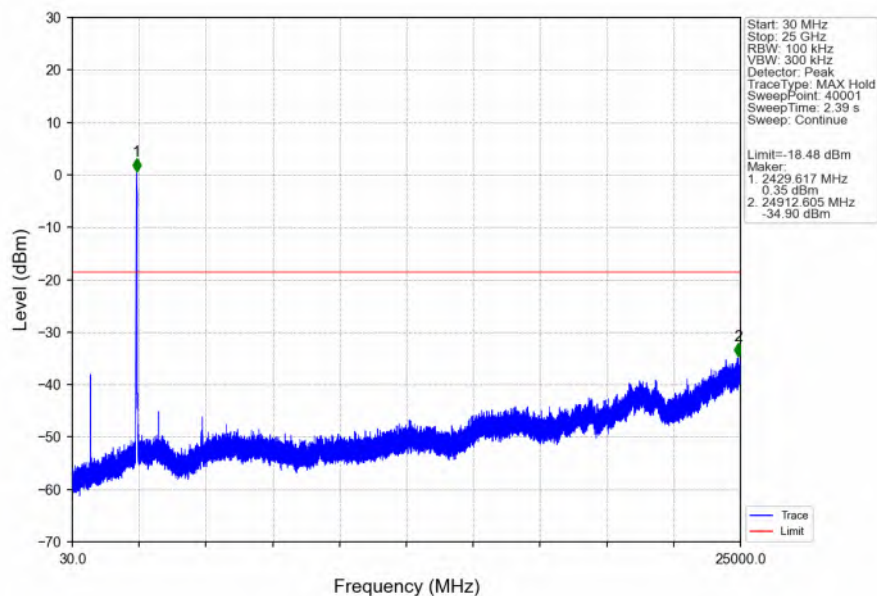
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



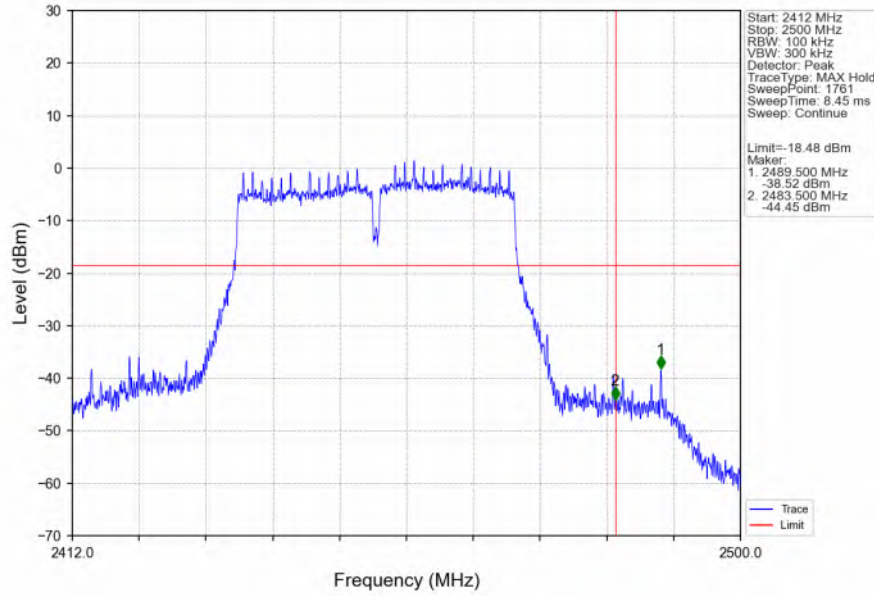
802.11n(HT40) LCH 2422MHz_Ant1 (SISO) NTN



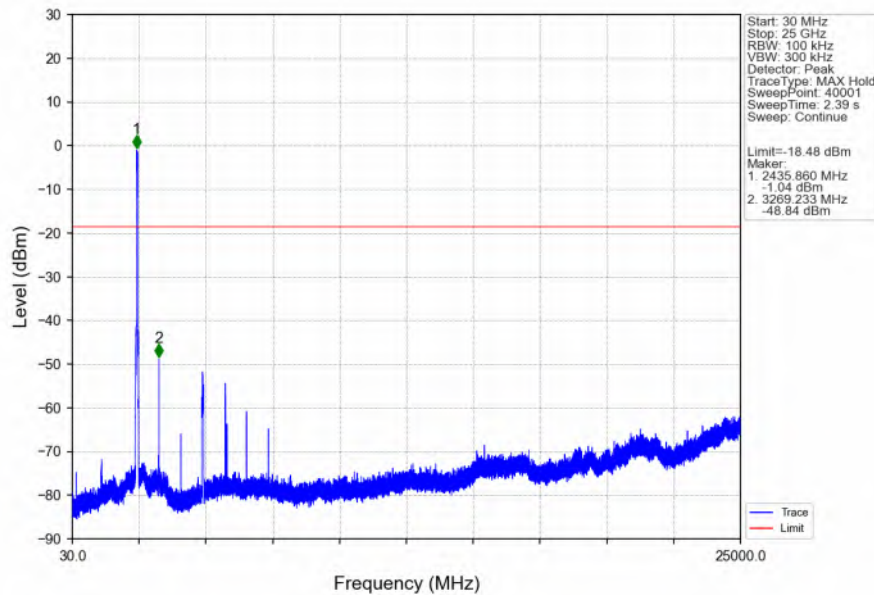
802.11n(HT40) MCH 2437MHz_Ant1 (SISO) NTN



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



- End of the Report -