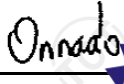


TEST REPORT

FCC ID.	2A95UINF50W3D	
Test Report No.	TCT221013E010	
Date of issue	Feb. 21, 2023	
Testing laboratory	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name	Katmai Technology Limited	
Address	Flat 1201, Floor 12, HARVEST BUILDING 29-37, WING KUT ST CENTRAL, HONGKONG, CHINA	
Manufacturer's name ...	Huizhou Zihanxuan Household Electrical Co., Ltd.	
Address	Yinglong Industrial park, Tiantou Village, Yuanzhou Town, Boluo County, Huizhou City, Guangdong, China	
Standard(s)	FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013	
Product Name	ELECTRIC FIREPLACE	
Trade Mark	N/A	
Model/Type reference	INF50W-3D, INF50W-3D, INF36W-3D, INF42W-3D, INF60W-3D, INF72W-3D, EF26-PB Smart, EF26-LG Smart, EF30-PB Smart, EF30-LG Smart, EF23-PB Smart, EF23-LG Smarts	
Rating(s)	AC 120V, 60Hz, 1500W	
Date of receipt of test item	Oct. 13, 2022	
Date (s) of performance of test	Oct. 08, 2022 - Oct. 18, 2022	
Tested by (+signature) ...	Onnado YE	
Check by (+signature)	Beryl ZHAO	
Approved by (+signature):	Tomsin	

**General disclaimer:**

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1. General Product Information

1.1. EUT description

Product Name.....:	ELECTRIC FIREPLACE
Model/Type reference.....:	INF50W-3D
Sample Number.....:	TCT221013E004-0101
Operation Frequency	2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20))
Channel Separation	5MHz
Number of Channel	11 for 802.11b/802.11g/802.11n(HT20)
Modulation Technology	802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n: Orthogonal Frequency Division Multiplexing(OFDM)
Data speed	802.11b: 1Mbps, 2Mbps, 5.5Mbps, 11Mbps 802.11g: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps 802.11n: Up to 150Mbps
Antenna Type.....:	PCB Antenna
Antenna Gain.....:	2.54 dBi
Rating(s).....:	AC 120V, 60Hz, 1500W

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

No.	Model No.	Tested with
1	INF50W-3D	☒
Other models	INF50W-3D, INF36W-3D, INF42W-3D, INF60W-3D, INF72W-3D, EF26-PB Smart, EF26-LG Smart, EF30-PB Smart, EF30-LG Smart, EF23-PB Smart, EF23-LG Smarts	☐

Note: INF50W-3D is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of INF50W-3D can represent the remaining models.

1.3. Operation Frequency

For 802.11b/g/n(HT20)

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz	--	--

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11b/802.11g/802.11n (HT20)

Channel	Frequency
The lowest channel	2412MHz
The middle channel	2437MHz
The Highest channel	2462MHz

2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Output Power	§15.247 (b)(3)	PASS
6dB Emission Bandwidth	§15.247 (a)(2)	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	§15.247(d)	PASS
Spurious Emission	§15.205/§15.209	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.
5. This test report was based on FCC ID: 2AVTWZHXRFPS; Change model name, applicant and applicant's address.

3. General Information

3.1. Test environment and mode

Operating Environment:		
Condition	Conducted Emission	Radiated Emission
Temperature:	25 °C	25 °C
Humidity:	50 % RH	50 % RH
Atmospheric Pressure:	1010 mbar	
Test Software:		
Software Information:	Engineering mode	
Power Level:	Default	
Test Mode:		
Engineering mode:	Keep the EUT in continuous transmitting by select channel	
The sample was placed 0.8m & 1.5m for the measurement below & above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case(Z axis) are shown in Test Results of the following pages.		

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	MCS0

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

4. Facilities and Accreditations

4.1. Facilities

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

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB

5. Test Results and Measurement Data

5.1. Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
------------------------------	-------------------------------------

15.203 requirement:

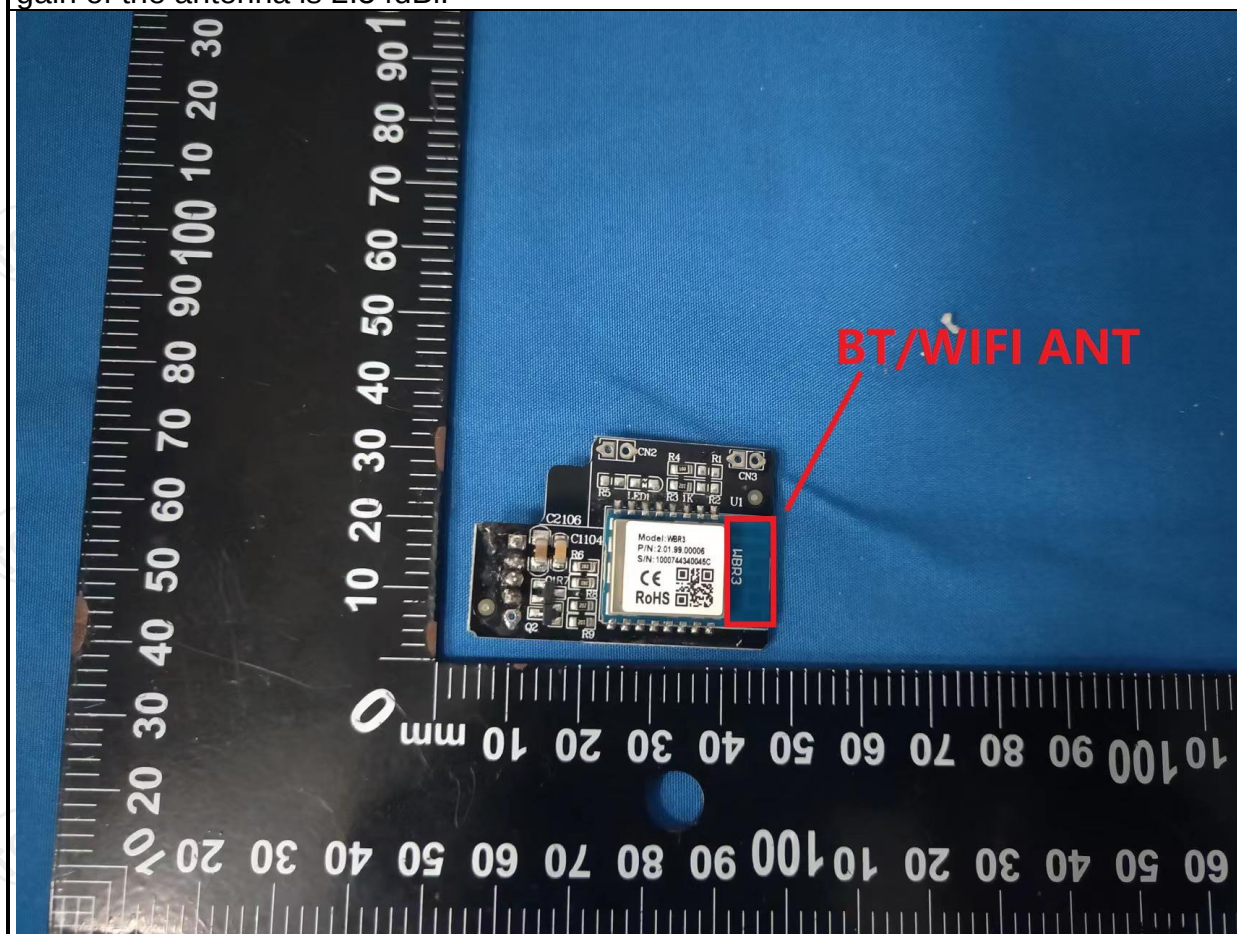
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

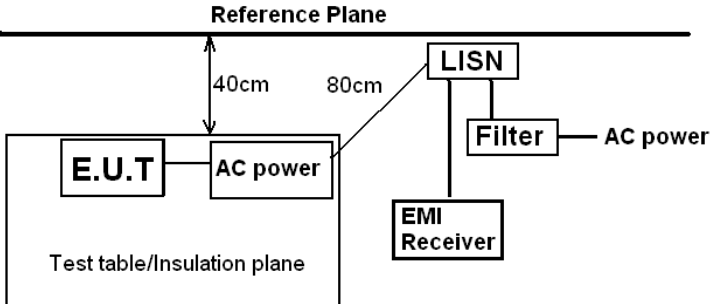
E.U.T Antenna:	
-----------------------	--

The WIFI antenna is PCB antenna which permanently attached, and the best case gain of the antenna is 2.54dBi.



5.2. Conducted Emission

5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207		
Test Method:	ANSI C63.10:2013		
Frequency Range:	150 kHz to 30 MHz		
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto		
Limits:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
Test Setup:	 Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test Mode:	Transmitting Mode		
Test Procedure:	1. The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.		
Test Result:	PASS		

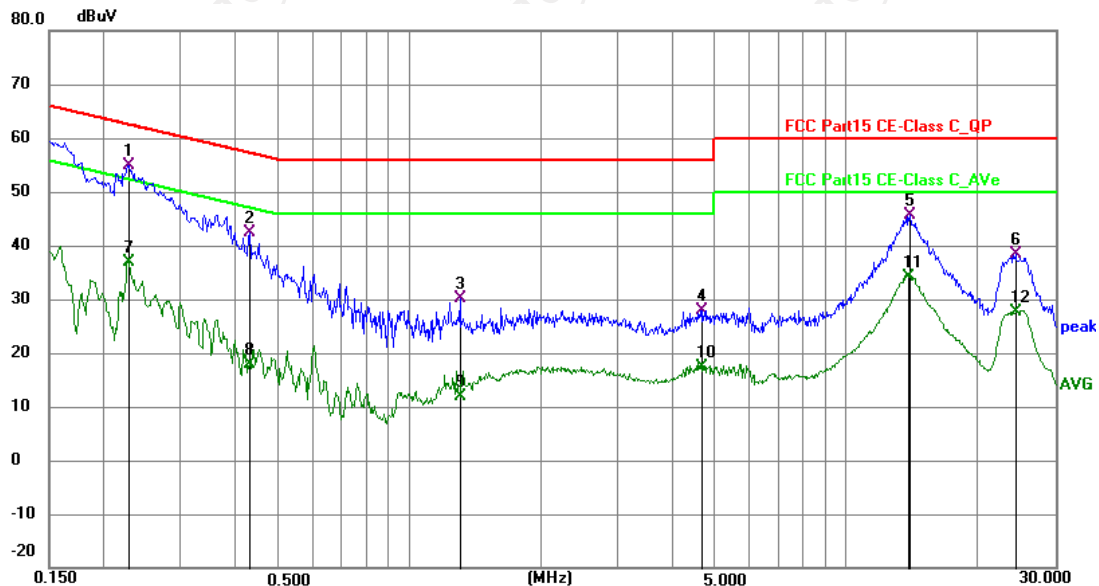
5.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESCI3	100898	Jul. 03, 2023
Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Feb. 24, 2023
Line-5	TCT	CE-05	/	Jul. 03, 2023
EMI Test Software	Shurple Technology	EZ-EMC	/	/

5.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1 *	0.2280	44.60	10.18	54.78	62.52	-7.74	QP
2	0.4290	32.10	10.24	42.34	57.27	-14.93	QP
3	1.3064	19.79	10.27	30.06	56.00	-25.94	QP
4	4.6905	17.77	10.21	27.98	56.00	-28.02	QP
5	13.9200	35.73	10.02	45.75	60.00	-14.25	QP
6	24.3600	28.47	9.80	38.27	60.00	-21.73	QP
7	0.2280	26.78	10.18	36.96	52.52	-15.56	AVG
8	0.4290	7.53	10.24	17.77	47.27	-29.50	AVG
9	1.3064	1.52	10.27	11.79	46.00	-34.21	AVG
10	4.6905	7.06	10.21	17.27	46.00	-28.73	AVG
11	13.8930	23.99	10.03	34.02	50.00	-15.98	AVG
12	24.3600	17.90	9.80	27.70	50.00	-22.30	CAV

Note:

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

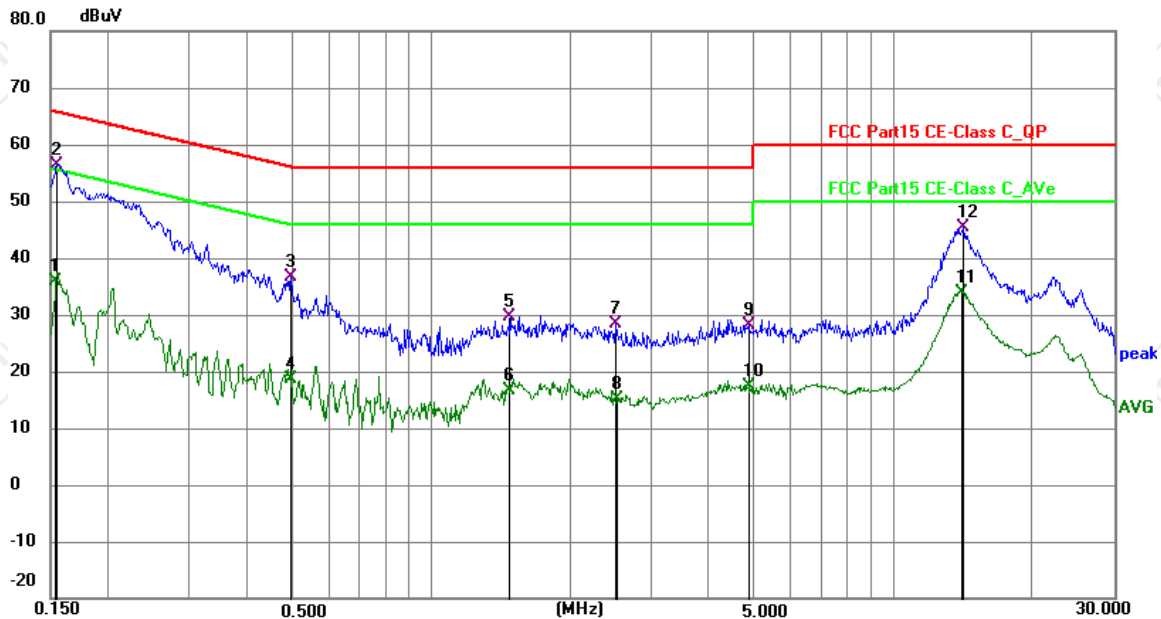
Margin (dB) = Measurement (dBuV) – Limits (dBuV)

Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	25.66	10.20	35.86	55.79	-19.93	AVG
2 *	0.1544	46.23	10.20	56.43	65.76	-9.33	QP
3	0.4964	26.36	10.26	36.62	56.06	-19.44	QP
4	0.4964	8.28	10.26	18.54	46.06	-27.52	AVG
5	1.4819	19.48	10.25	29.73	56.00	-26.27	QP
6	1.4819	6.33	10.25	16.58	46.00	-29.42	AVG
7	2.5034	18.15	10.26	28.41	56.00	-27.59	QP
8	2.5215	4.76	10.26	15.02	46.00	-30.98	AVG
9	4.8704	17.90	10.22	28.12	56.00	-27.88	QP
10	4.8704	7.25	10.22	17.47	46.00	-28.53	AVG
11	14.1090	23.89	10.00	33.89	50.00	-16.11	AVG
12	14.1852	35.27	9.99	45.26	60.00	-14.74	QP

Note:

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Measurement (dBuV) – Limits (dBuV)

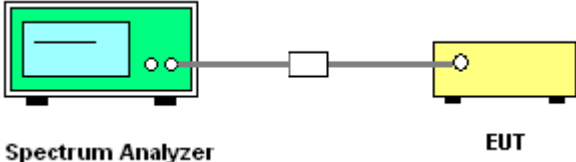
Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

5.3. Maximum Conducted (Average) Output Power

5.3.1. Test Specification

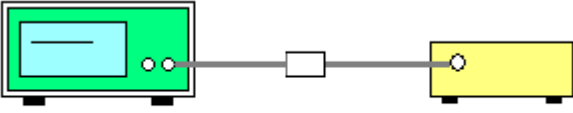
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB 558074 D01 v05r02
Limit:	30dBm
Test Setup:	 The diagram illustrates the test setup. On the left is a green Spectrum Analyzer. A red line representing an RF cable connects the Spectrum Analyzer to a small white square representing an attenuator. Another red line connects the attenuator to a yellow rectangle representing the EUT (Equipment Under Test).
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Measure the conducted output power and record the results in the test report.
Test Result:	PASS

5.3.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 04, 2023
Combiner Box	Ascentest	AT890-RFB	/	/

5.4. Emission Bandwidth

5.4.1. Test Specification

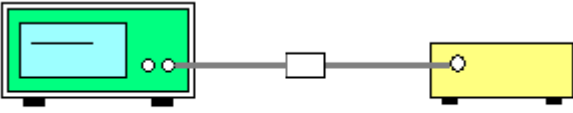
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB 558074 D01 v05r02
Limit:	>500kHz
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. Set to the maximum power setting and enable the EUT transmit continuously. 2. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 3. Measure and record the results in the test report.
Test Result:	PASS

5.4.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 04, 2023
Combiner Box	Ascentest	AT890-RFB	/	/

5.5. Power Spectral Density

5.5.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB 558074
Limit:	The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$. Video bandwidth VBW $\geq 3 \times \text{RBW}$. Set the span to at least 1.5 times the OBW. 4. Detector = RMS, Sweep time = auto couple. 5. Employ trace averaging (RMS) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level. 6. Measure and record the results in the test report.
Test Result:	PASS

5.5.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 04, 2023
Combiner Box	Ascentest	AT890-RFB	/	/

5.6. Conducted Band Edge and Spurious Emission Measurement

5.6.1. Test Specification

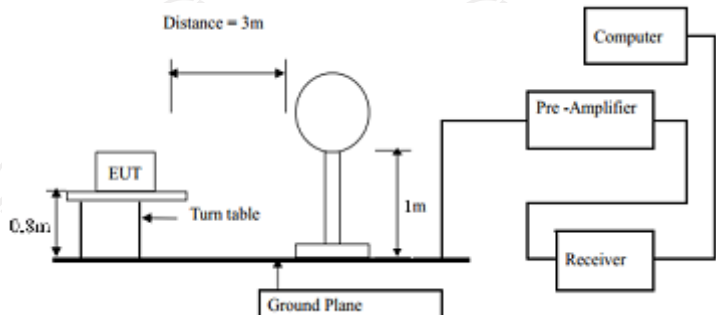
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). 4. Measure and record the results in the test report. 5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS

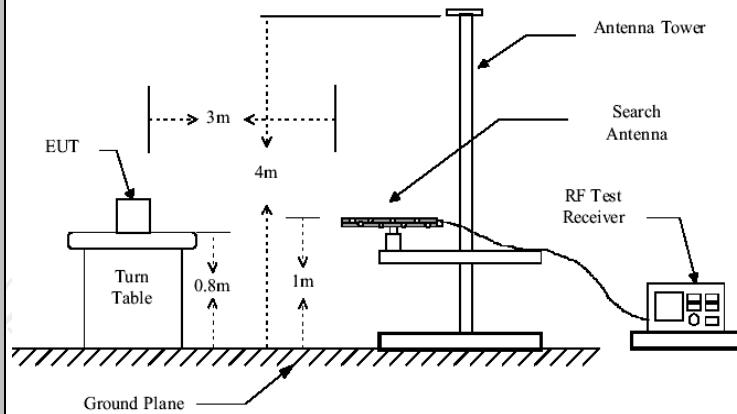
5.6.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 04, 2023
Combiner Box	Ascentest	AT890-RFB	/	/

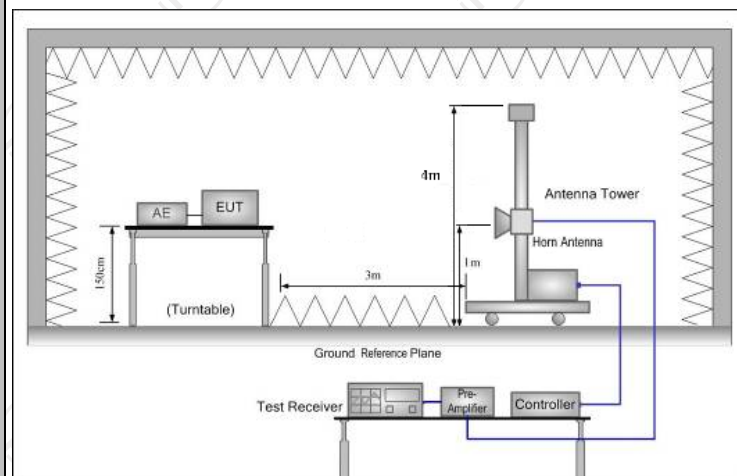
5.7. Radiated Spurious Emission Measurement

5.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Frequency Range:	9 kHz to 25 GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Operation mode:	Transmitting mode with modulation				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit:	Frequency		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		30		30
	30-88		100		3
	88-216		150		3
	216-960		200		3
	Above 960		500		3
	Frequency		Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
	Above 1GHz		500	3	Average
			5000	3	Peak
	For radiated emissions below 30MHz				
					
	30MHz to 1GHz				



Above 1GHz



Test Procedure:

1. For the radiated emission test below 1GHz:
The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.
- For the radiated emission test above 1GHz:
Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final

	measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 5. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=120 kHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for $f > 1$ GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test results:	PASS

5.7.2. Test Instruments

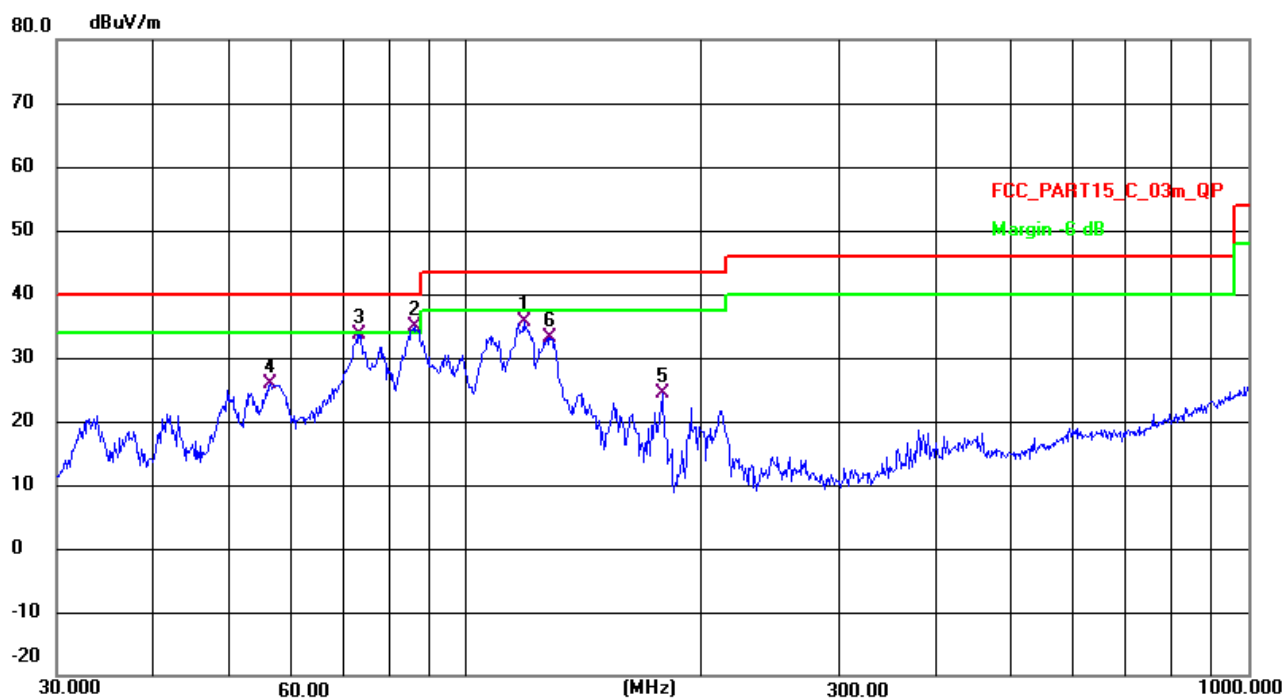
Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESIB7	100197	Jul. 03, 2023
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 03, 2023
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Feb. 24, 2023
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Feb. 24, 2023
Pre-amplifier	HP	8447D	2727A05017	Jul. 03, 2023
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 11, 2024
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 05, 2024
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 05, 2024
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Apr. 10, 2023
Antenna Mast	Keleto	RE-AM	/	/
Coaxial cable	SKET	RC-18G-N-M	/	Feb. 24, 2024
Coaxial cable	SKET	RC_40G-K-M	/	Feb. 24, 2024
EMI Test Software	Shurple Technology	EZ-EMC	/	/

5.7.3. Test Data

Please refer to following diagram for individual

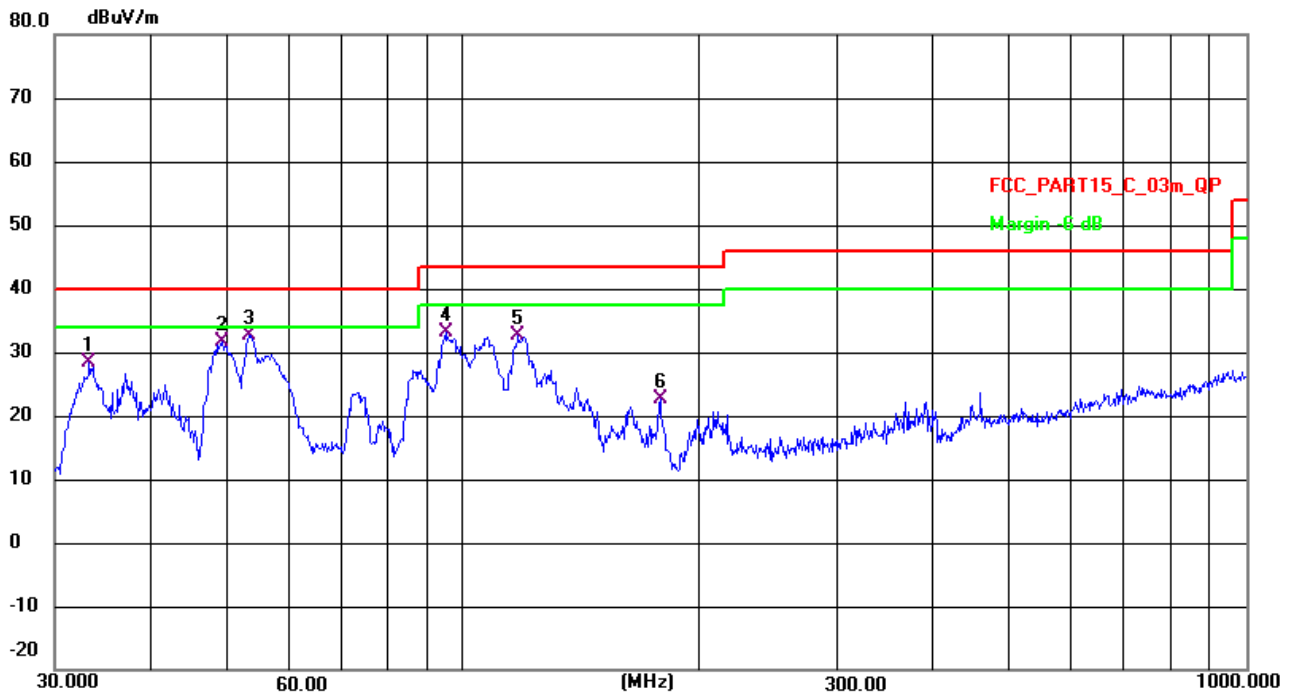
Below 1GHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	119.0180	63.21	-27.51	35.70	43.50	-7.80	QP
2 *	86.2000	62.62	-27.85	34.77	40.00	-5.23	QP
3	73.2308	61.54	-27.91	33.63	40.00	-6.37	QP
4	56.2960	53.84	-27.97	25.87	40.00	-14.13	QP
5	179.0721	51.50	-27.14	24.36	43.50	-19.14	QP
6	128.3377	60.67	-27.42	33.25	43.50	-10.25	QP

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	33.2693	44.82	-16.46	28.36	40.00	-11.64	QP
2	49.2730	59.61	-28.06	31.55	40.00	-8.45	QP
3 *	53.3180	60.56	-28.01	32.55	40.00	-7.45	QP
4	94.9261	60.93	-27.79	33.14	43.50	-10.36	QP
5	117.7724	60.04	-27.53	32.51	43.50	-10.99	QP
6	178.4450	49.83	-27.14	22.69	43.50	-20.81	QP

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low) and all modulation(802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40)), and the worst case Mode (Middle channel and 802.11g) was submitted only.

3. Freq. = Emission frequency in MHz

Measurement (dBμV/m) = Reading level (dBμV) + Corr. Factor (dB)

Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

Limit (dBμV/m) = Limit stated in standard

Margin (dB) = Measurement (dBμV/m) – Limits (dBμV/m)

* is meaning the worst frequency has been tested in the test frequency range.

Test Result of Radiated Spurious at Band edges

Lowest channel 2412:

Horizontal:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2310.000	68.26	-31.48	36.78	74.00	-37.22	peak
2	2390.000	68.32	-31.44	36.88	74.00	-37.12	peak
3 *	2400.000	73.60	-31.44	42.16	74.00	-31.84	peak

Vertical:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2310.000	41.56	-5.28	36.28	74.00	-37.72	peak
2	2390.000	41.12	-5.24	35.88	74.00	-38.12	peak
3 *	2400.000	45.90	-5.24	40.66	74.00	-33.34	peak

Highest channel 2462:

Horizontal:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	44.14	-6.61	37.53	74.00	-36.47	peak
2 *	2500.000	44.19	-6.60	37.59	74.00	-36.41	peak

Vertical:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	2483.500	46.64	-6.61	40.03	74.00	-33.97	peak
2	2500.000	45.69	-6.60	39.09	74.00	-34.91	peak

Note:

1. Peak Final Emission Level=Peak Reading + Correction Factor;
2. Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
3. Measurements were conducted in all modulation(802.11b, 802.11g, 802.11n(HT20), and the worst case Mode 802.11b was submitted only.

Above 1GHz

(1 GHz ~ 10th Harmonic)

Note: The spurious from 18GHz-25GHz is noise only, do not show on the report

802.11b LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2746.903	66.46	-31.15	35.31	54.00	-18.69	peak
2	3836.655	71.32	-31.50	39.82	54.00	-14.18	peak
3	7162.945	76.01	-33.25	42.76	54.00	-11.24	peak
4 *	11687.854	80.67	-34.44	46.23	54.00	-7.77	peak

802.11b LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2723.974	66.32	-31.18	35.14	54.00	-18.86	peak
2	3849.985	69.37	-31.51	37.86	54.00	-16.14	peak
3	6813.581	74.91	-32.71	42.20	54.00	-11.80	peak
4 *	11076.096	81.26	-34.69	46.57	54.00	-7.43	peak

802.11b MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2786.083	66.93	-31.11	35.82	54.00	-18.18	peak
2	5204.560	73.80	-32.17	41.63	54.00	-12.37	peak
3	7428.618	75.34	-33.33	42.01	54.00	-11.99	peak
4 *	11457.066	81.24	-34.66	46.58	54.00	-7.42	peak

802.11b MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3132.079	67.49	-31.00	36.49	54.00	-17.51	peak
2	4996.716	71.94	-31.60	40.34	54.00	-13.66	peak
3	8932.941	78.88	-33.86	45.02	54.00	-8.98	peak
4 *	13048.503	81.45	-33.87	47.58	54.00	-6.42	peak

802.11b HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2622.004	65.83	-31.28	34.55	54.00	-19.45	peak
2	4895.220	72.93	-31.62	41.31	54.00	-12.69	peak
3 *	9234.855	79.17	-33.34	45.83	54.00	-8.17	peak
4	11503.521	80.41	-34.65	45.76	54.00	-8.24	peak

802.11b HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4338.123	70.62	-31.67	38.95	54.00	-15.05	peak
2	5705.605	72.09	-32.47	39.62	54.00	-14.38	peak
3	7726.446	77.61	-33.83	43.78	54.00	-10.22	peak
4 *	11909.515	81.66	-34.20	47.46	54.00	-6.54	peak

802.11g LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3946.885	67.97	-31.57	36.40	54.00	-17.60	peak
2	5405.403	70.66	-32.74	37.92	54.00	-16.08	peak
3	6847.143	74.97	-32.80	42.17	54.00	-11.83	peak
4 *	9541.456	80.31	-32.98	47.33	54.00	-6.67	peak

802.11g LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3059.602	67.08	-30.95	36.13	54.00	-17.87	peak
2	4848.751	71.52	-31.63	39.89	54.00	-14.11	peak
3	7250.430	77.12	-33.28	43.84	54.00	-10.16	peak
4 *	10929.806	82.70	-34.77	47.93	54.00	-6.07	peak

802.11g MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2681.788	66.22	-31.22	35.00	54.00	-19.00	peak
2	4412.736	70.45	-31.68	38.77	54.00	-15.23	peak
3	6884.849	75.10	-32.90	42.20	54.00	-11.80	peak
4 *	11503.521	80.41	-34.65	45.76	54.00	-8.24	peak

802.11g MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4041.547	69.52	-31.61	37.91	54.00	-16.09	peak
2	6723.589	75.78	-32.49	43.29	54.00	-10.71	peak
3	8372.908	77.05	-34.51	42.54	54.00	-11.46	peak
4 *	11533.485	80.31	-34.61	45.70	54.00	-8.30	peak

802.11g HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3993.936	69.86	-31.60	38.26	54.00	-15.74	peak
2	5048.980	71.03	-31.74	39.29	54.00	-14.71	peak
3	7478.167	75.78	-33.34	42.44	54.00	-11.56	peak
4 *	11368.003	80.84	-34.67	46.17	54.00	-7.83	peak

802.11g HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3410.854	68.66	-31.23	37.43	54.00	-16.57	peak
2	4788.860	70.75	-31.64	39.11	54.00	-14.89	peak
3	7428.618	75.34	-33.33	42.01	54.00	-11.99	peak
4 *	11687.854	80.67	-34.44	46.23	54.00	-7.77	peak

802.11n(HT20) LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3024.432	66.83	-30.92	35.91	54.00	-18.09	peak
2	3820.057	68.86	-31.49	37.37	54.00	-16.63	peak
3	6338.604	76.47	-31.83	44.64	54.00	-9.36	peak
4 *	10882.522	80.26	-34.83	45.43	54.00	-8.57	peak

802.11n(HT20) LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2672.503	65.74	-31.23	34.51	54.00	-19.49	peak
2	6039.911	72.96	-31.72	41.24	54.00	-12.76	peak
3	9218.854	78.87	-33.37	45.50	54.00	-8.50	peak
4 *	11368.003	80.84	-34.67	46.17	54.00	-7.83	peak

802.11n(HT20) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2952.739	67.05	-30.95	36.10	54.00	-17.90	peak
2	4216.967	68.57	-31.64	36.93	54.00	-17.07	peak
3	6338.604	76.47	-31.83	44.64	54.00	-9.36	peak
4 *	11266.599	80.70	-34.68	46.02	54.00	-7.98	peak

802.11n(HT20) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3531.234	68.38	-31.32	37.06	54.00	-16.94	peak
2	5646.544	70.71	-32.62	38.09	54.00	-15.91	peak
3	8281.449	78.40	-34.48	43.92	54.00	-10.08	peak
4 *	11358.150	81.85	-34.67	47.18	54.00	-6.82	peak

802.11n(HT20) HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3865.596	68.33	-31.52	36.81	54.00	-17.19	peak
2	5428.889	71.10	-32.80	38.30	54.00	-15.70	peak
3	7624.397	78.11	-33.61	44.50	54.00	-9.50	peak
4 *	11503.521	80.41	-34.65	45.76	54.00	-8.24	peak

802.11n(HT20) HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4350.680	71.32	-31.67	39.65	54.00	-14.35	peak
2	5776.960	74.27	-32.28	41.99	54.00	-12.01	peak
3	8487.428	78.30	-34.55	43.75	54.00	-10.25	peak
4 *	12491.255	80.96	-33.86	47.10	54.00	-6.90	peak

Note:

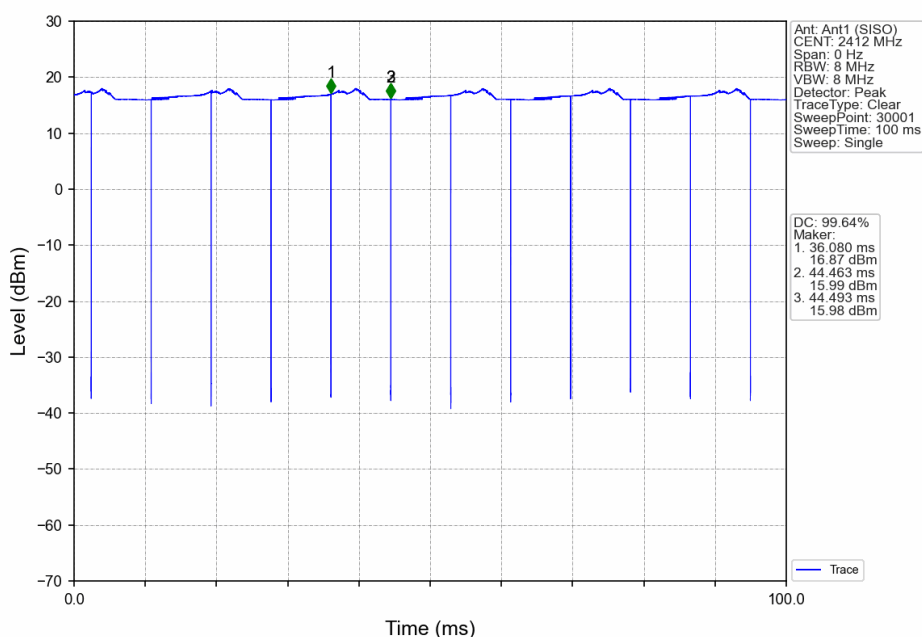
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
5. Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
6. All the restriction bands are compliance with the limit of 15.209.

Appendix A: Test Result of Conducted Test

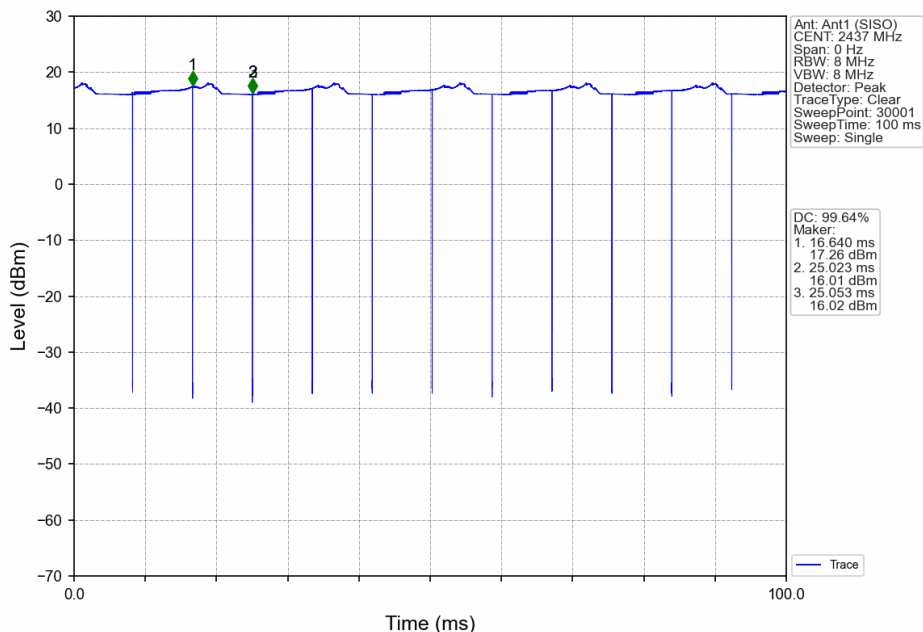
Duty Cycle

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	8.383	8.413	99.64	0.02	0.04
		2437	8.383	8.413	99.64	0.02	0.04
		2462	8.383	8.413	99.64	0.02	0.04
802.11g	SISO	2412	1.394	1.428	97.62	0.10	0.03
		2437	1.392	1.428	97.48	0.11	0.03
		2462	1.393	1.428	97.55	0.11	0.03
802.11n (HT20)	SISO	2412	1.302	1.336	97.46	0.11	0.03
		2437	1.302	1.336	97.46	0.11	0.07
		2462	1.302	1.336	97.46	0.11	0.03

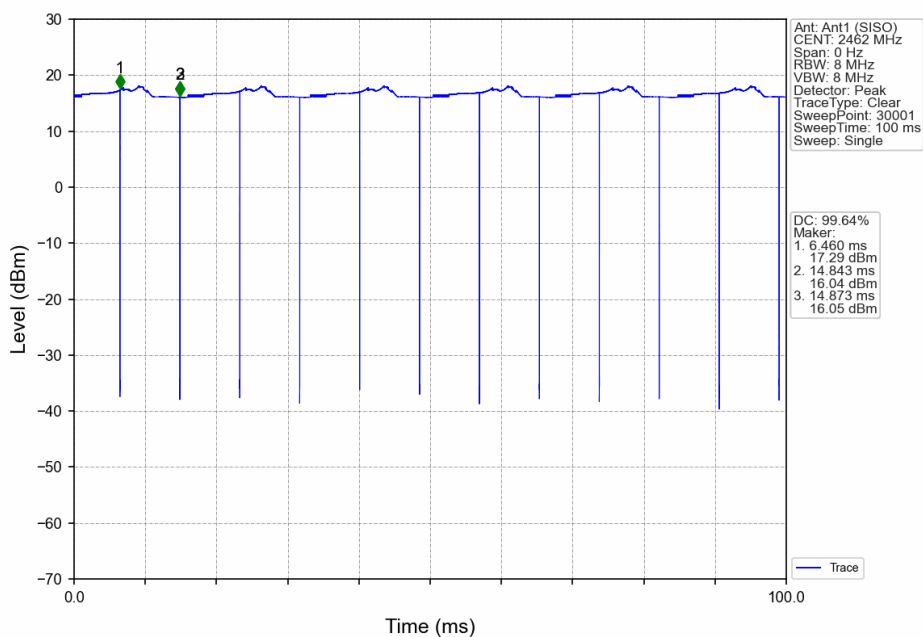
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



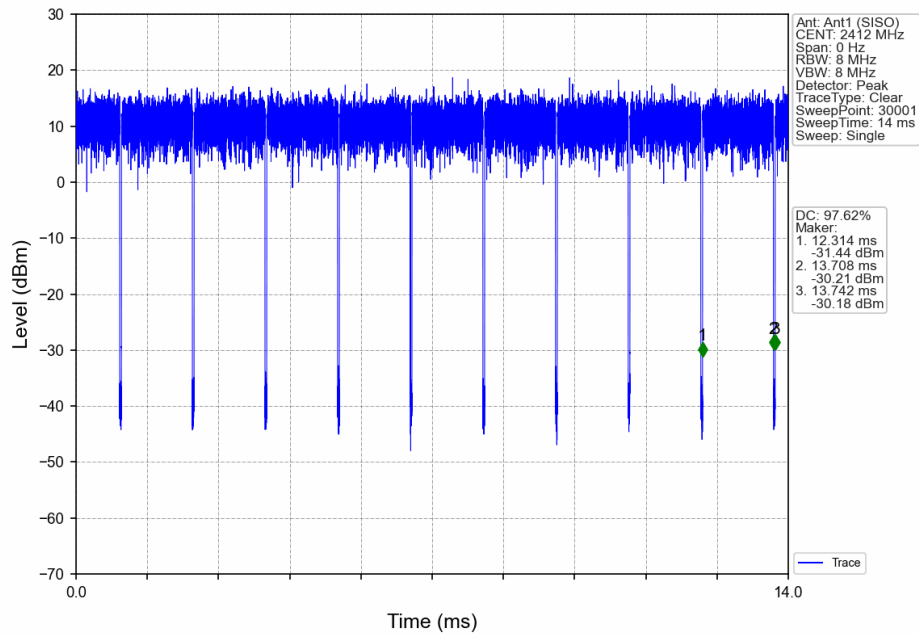
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



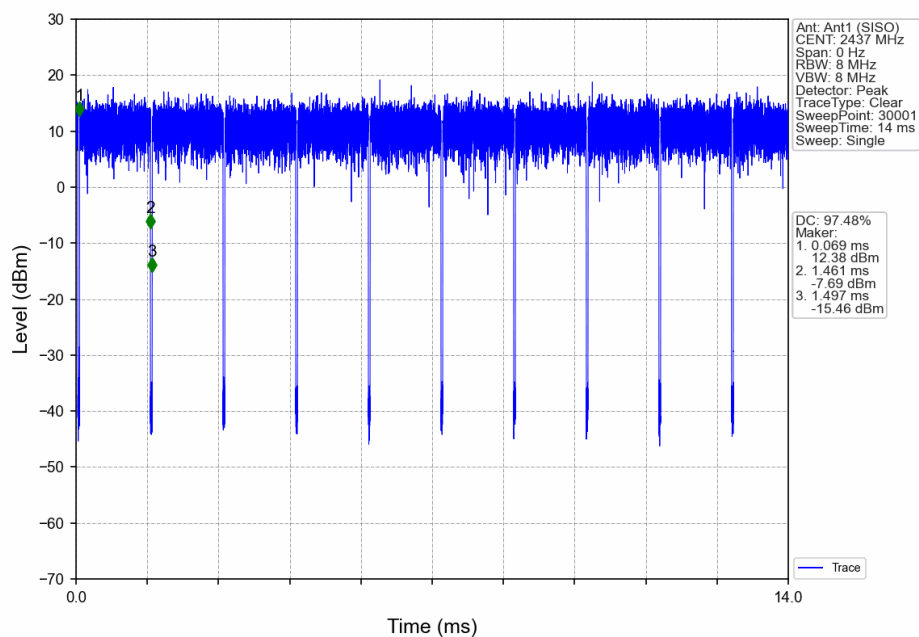
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



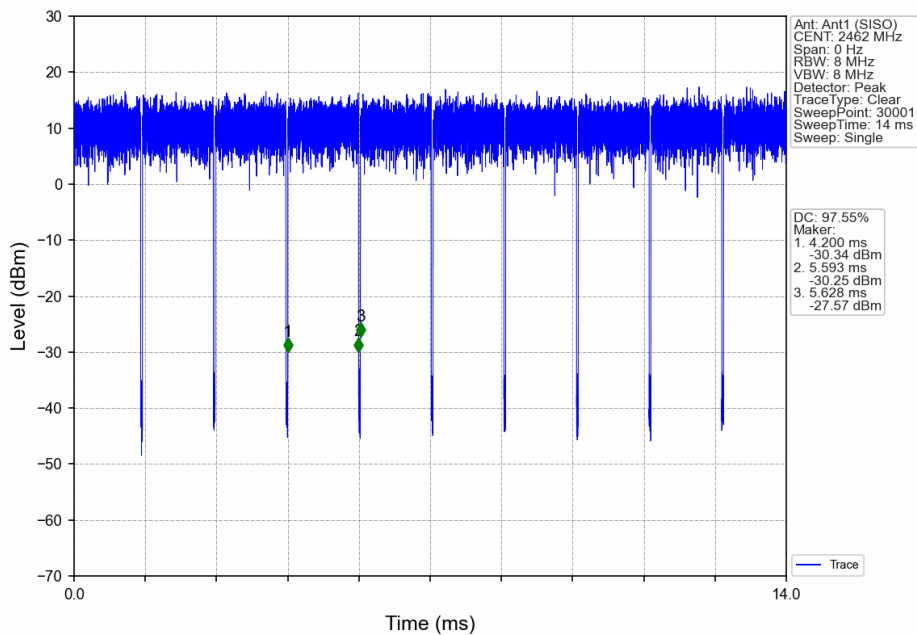
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



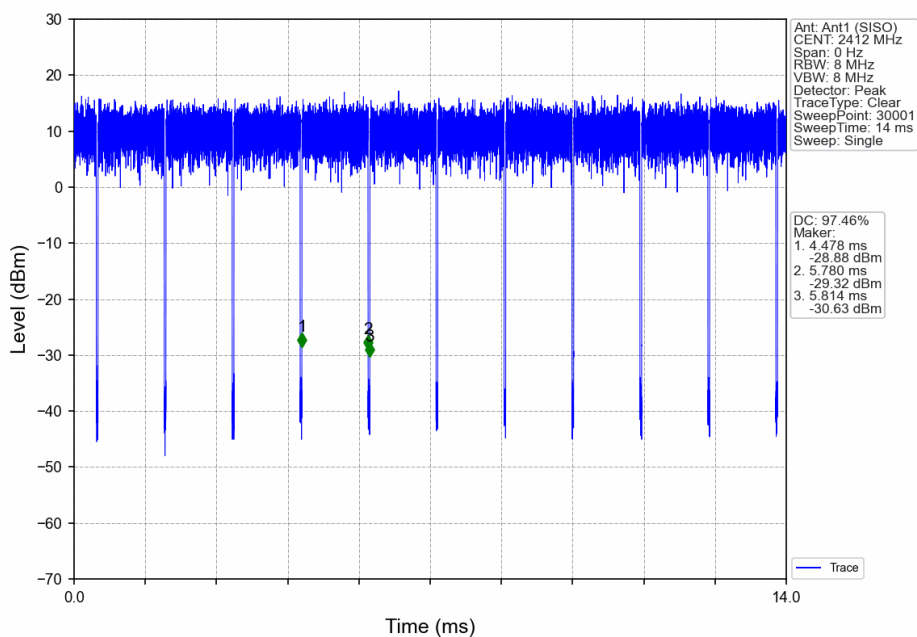
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



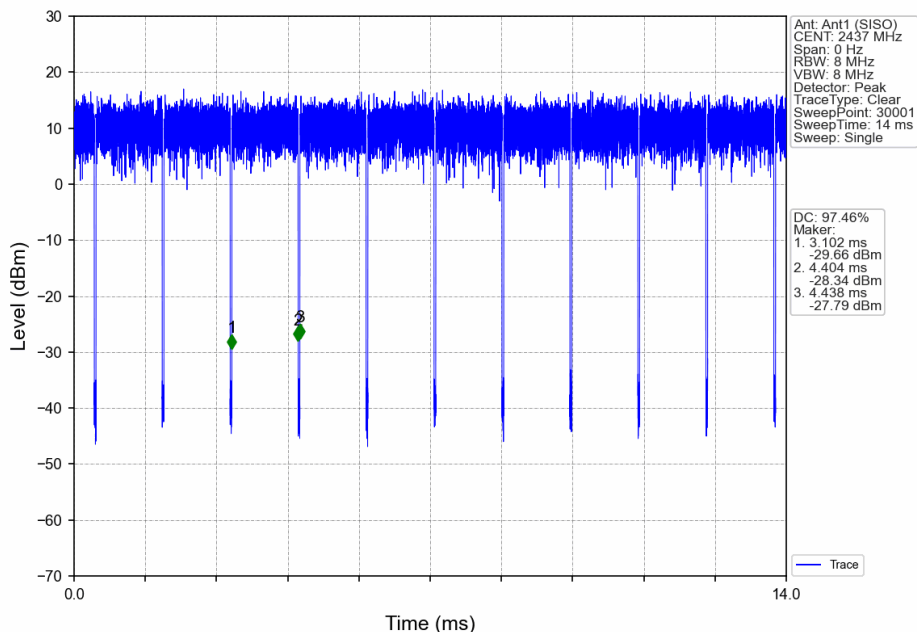
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



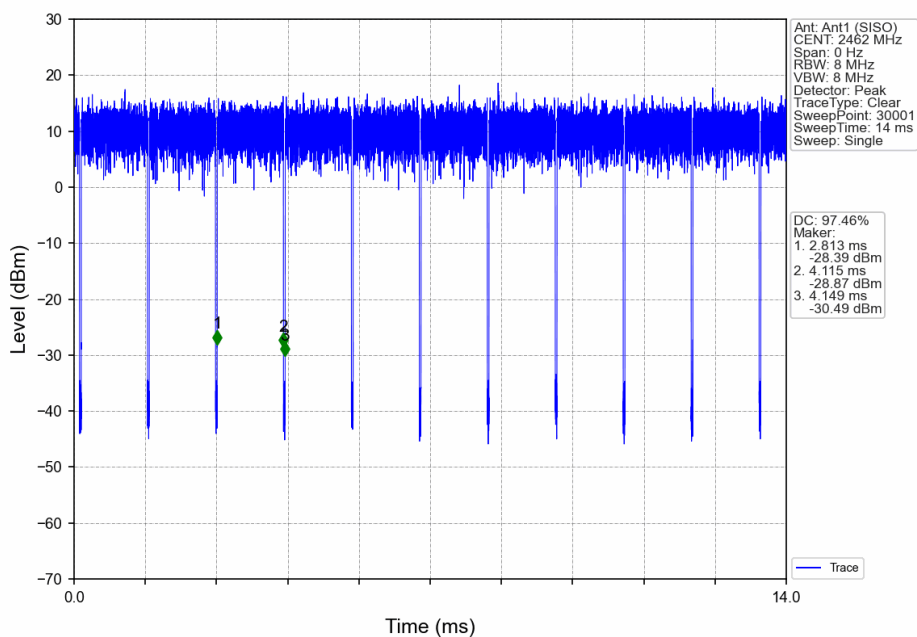
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



Maximum Conducted Output Power

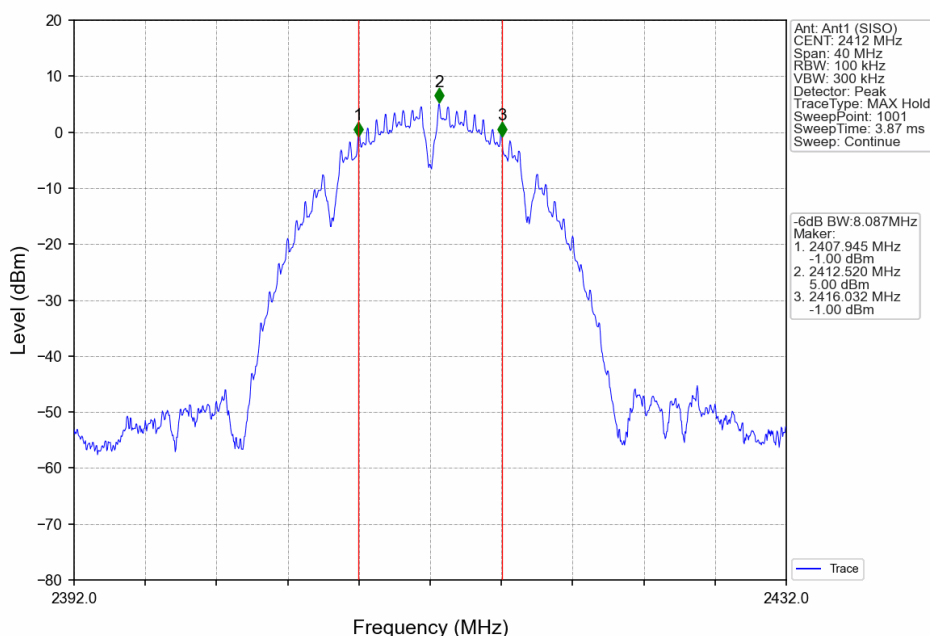
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	15.17	<=30	Pass
		2437	15.00	<=30	Pass
		2462	15.06	<=30	Pass
802.11g	SISO	2412	17.60	<=30	Pass
		2437	17.63	<=30	Pass
		2462	17.38	<=30	Pass
802.11n (HT20)	SISO	2412	17.13	<=30	Pass
		2437	17.36	<=30	Pass
		2462	17.38	<=30	Pass

Note1: Antenna Gain: Ant1: 2.54dBi;

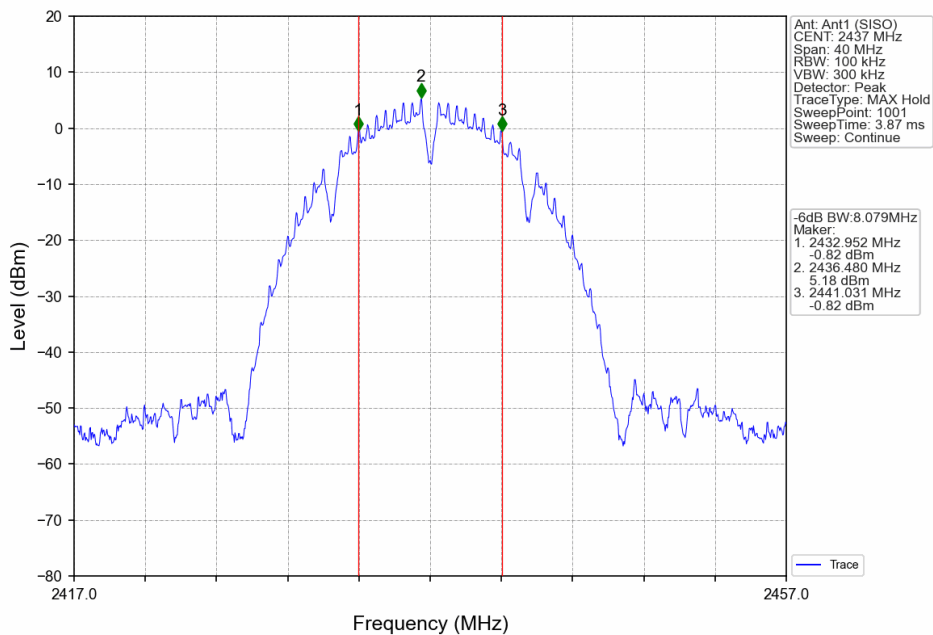
6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.087	≥ 0.5	Pass
		2437	1	8.079	≥ 0.5	Pass
		2462	1	8.099	≥ 0.5	Pass
802.11g	SISO	2412	1	15.168	≥ 0.5	Pass
		2437	1	15.156	≥ 0.5	Pass
		2462	1	15.168	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	15.169	≥ 0.5	Pass
		2437	1	15.164	≥ 0.5	Pass
		2462	1	15.176	≥ 0.5	Pass

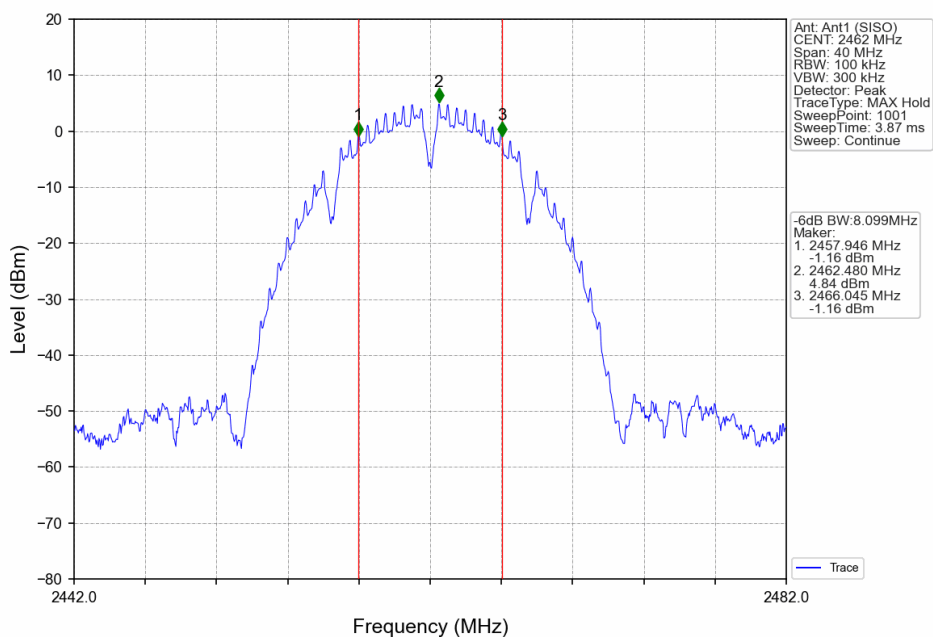
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



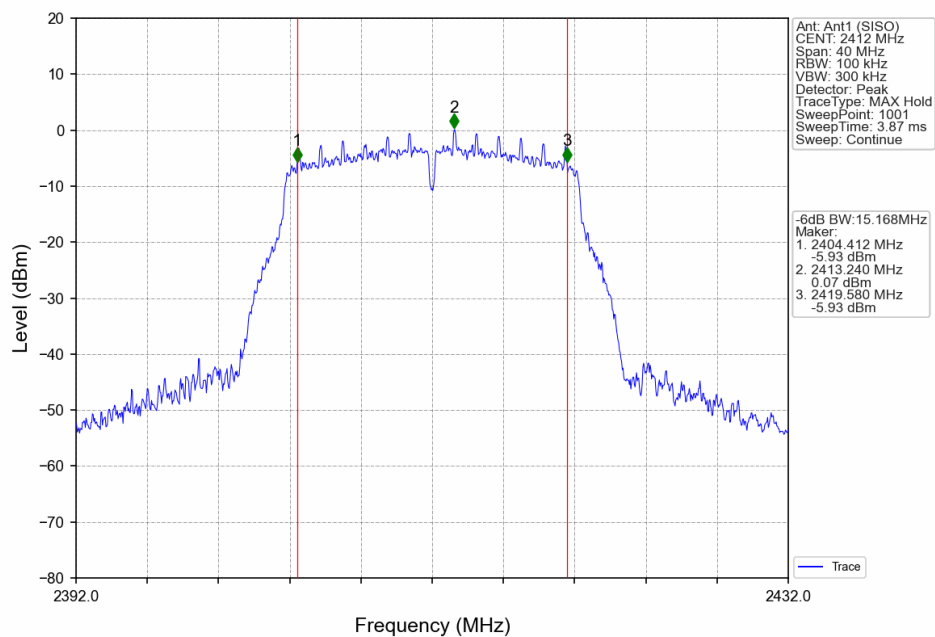
802.11b MCH 2437MHz Ant1 (SISO) NTNV



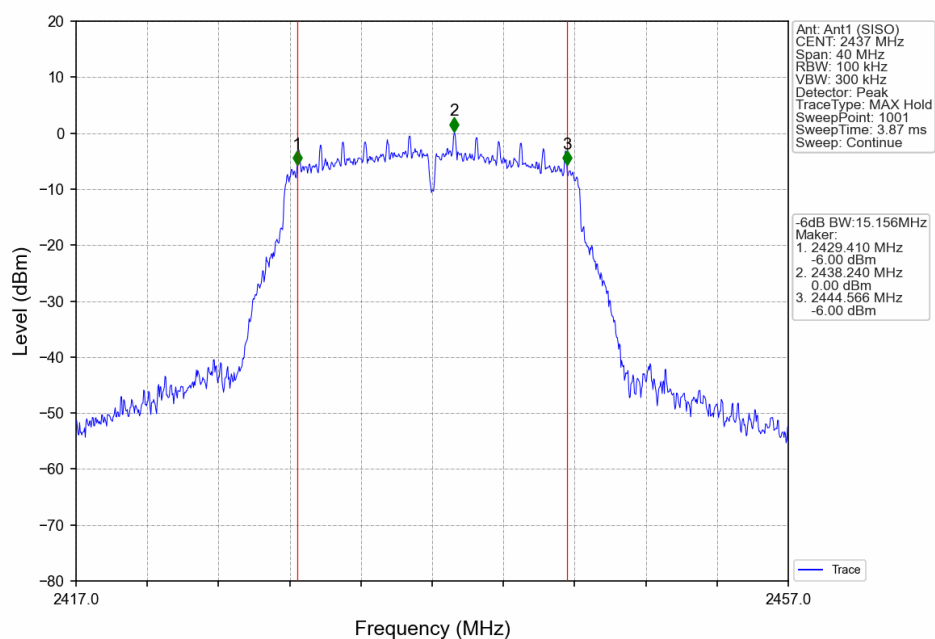
802.11b HCH 2462MHz Ant1 (SISO) NTNV



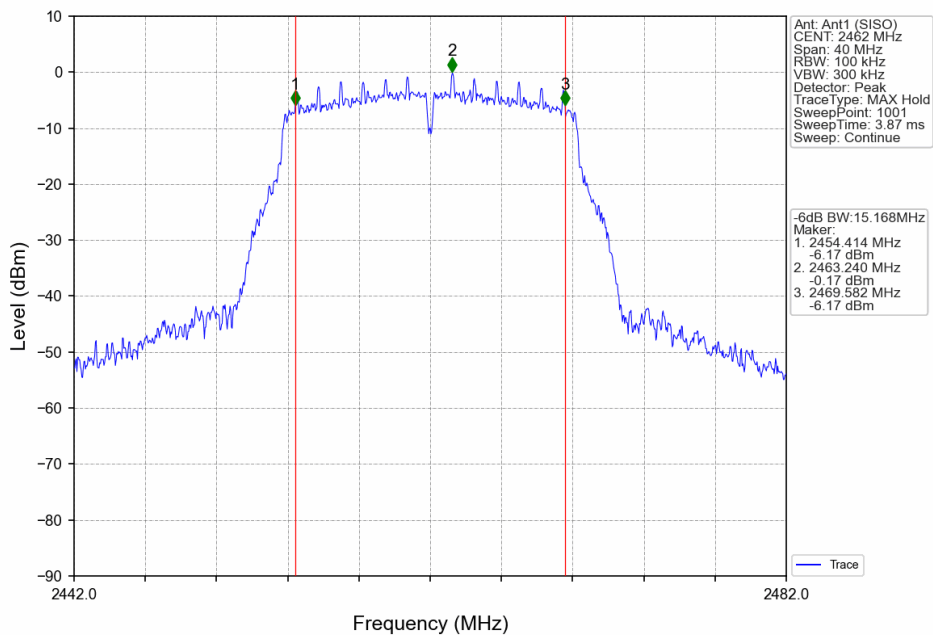
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



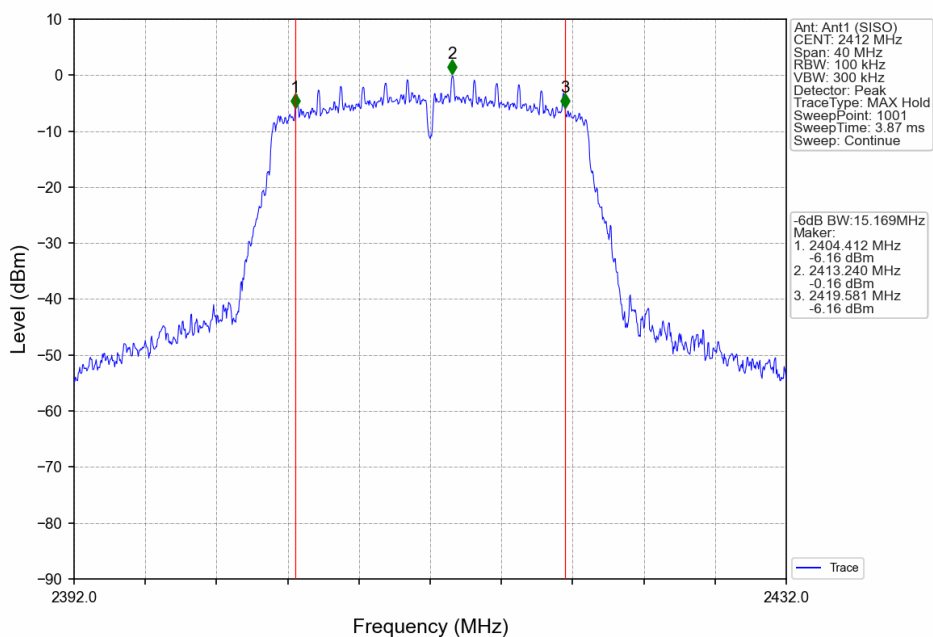
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



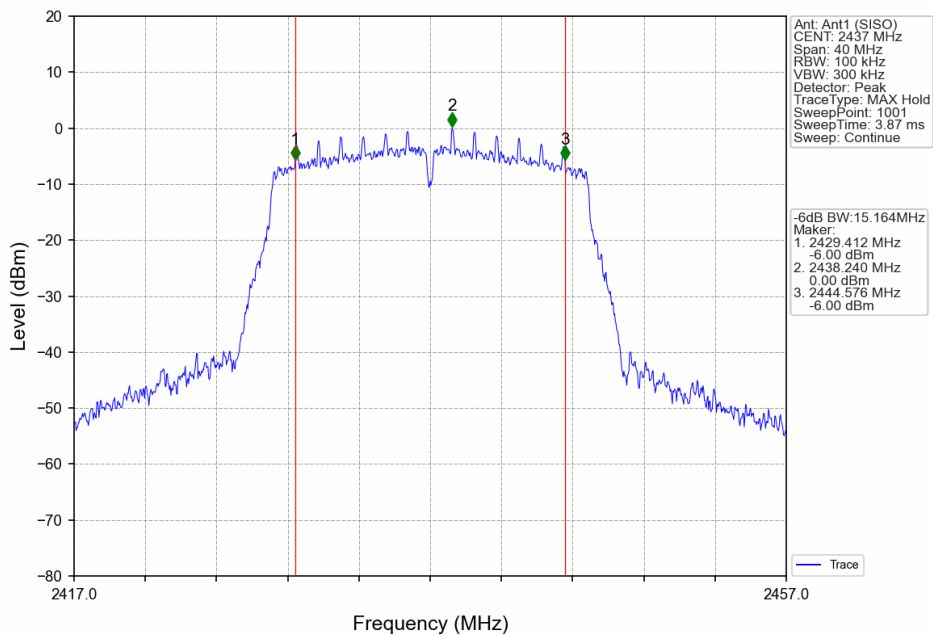
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



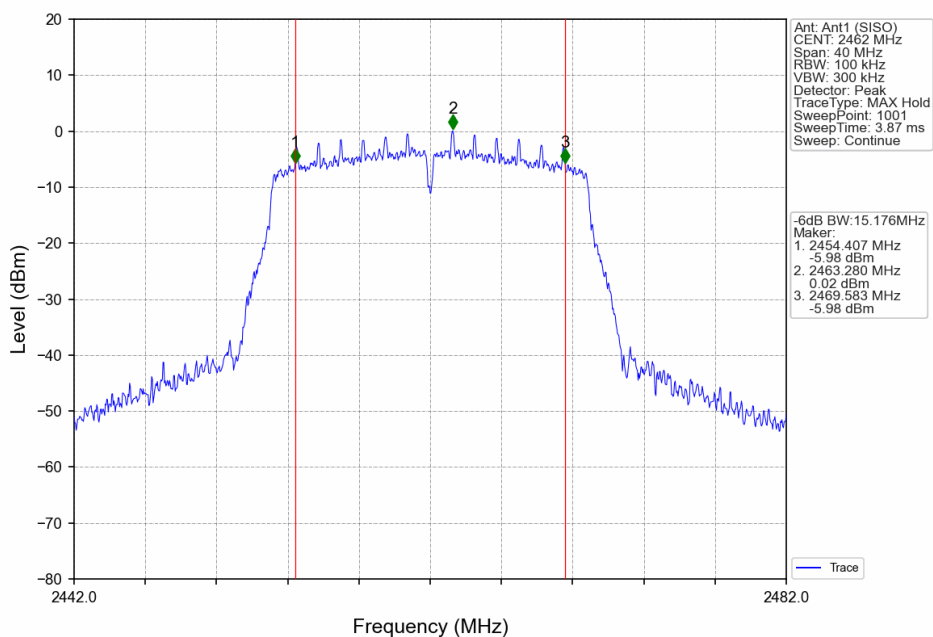
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

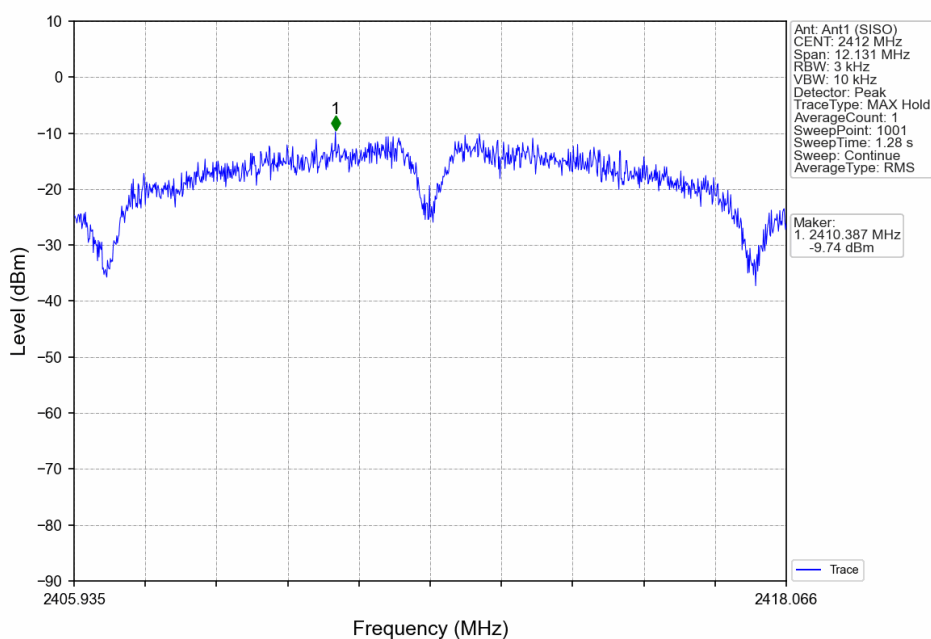


Maximum Power Spectral Density Level

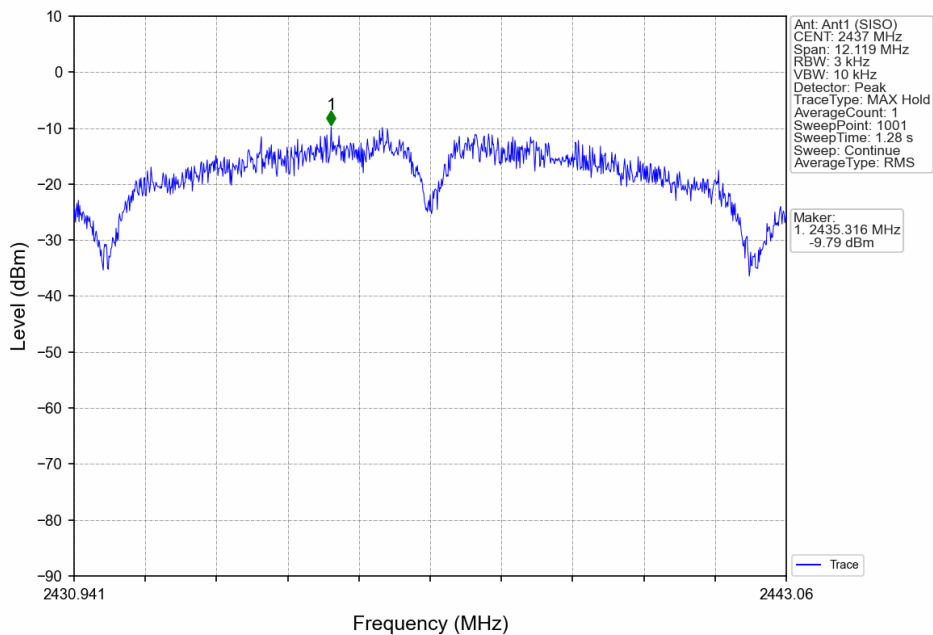
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-9.74	<=8	Pass
		2437	-9.79	<=8	Pass
		2462	-9.32	<=8	Pass
802.11g	SISO	2412	-15.79	<=8	Pass
		2437	-14.38	<=8	Pass
		2462	-15.93	<=8	Pass
802.11n (HT20)	SISO	2412	-14.69	<=8	Pass
		2437	-14.05	<=8	Pass
		2462	-15.40	<=8	Pass

Note1: Antenna Gain: Ant1: 2.54dBi;

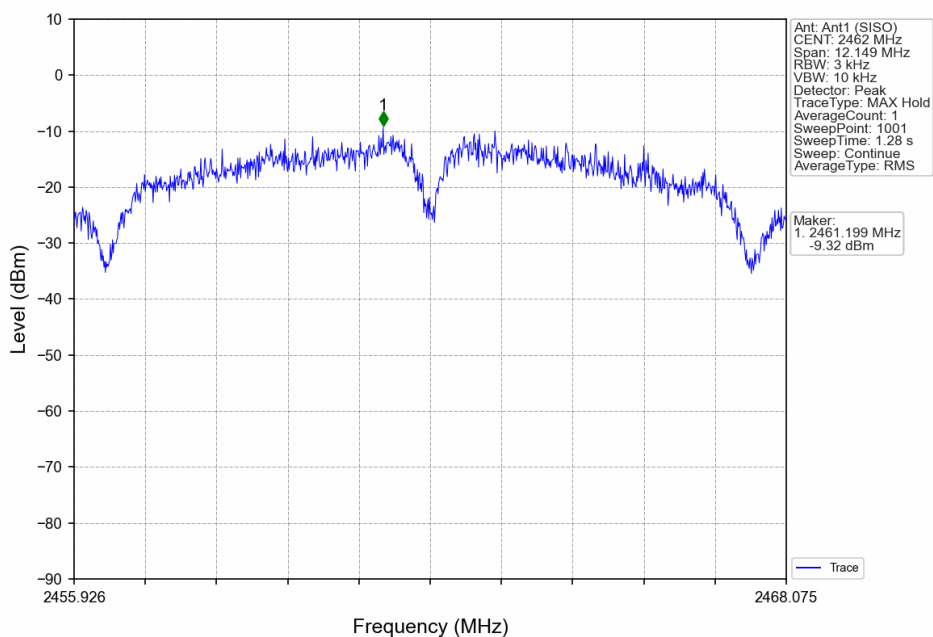
802.11b LCH 2412MHz Ant1 (SISO) NTN



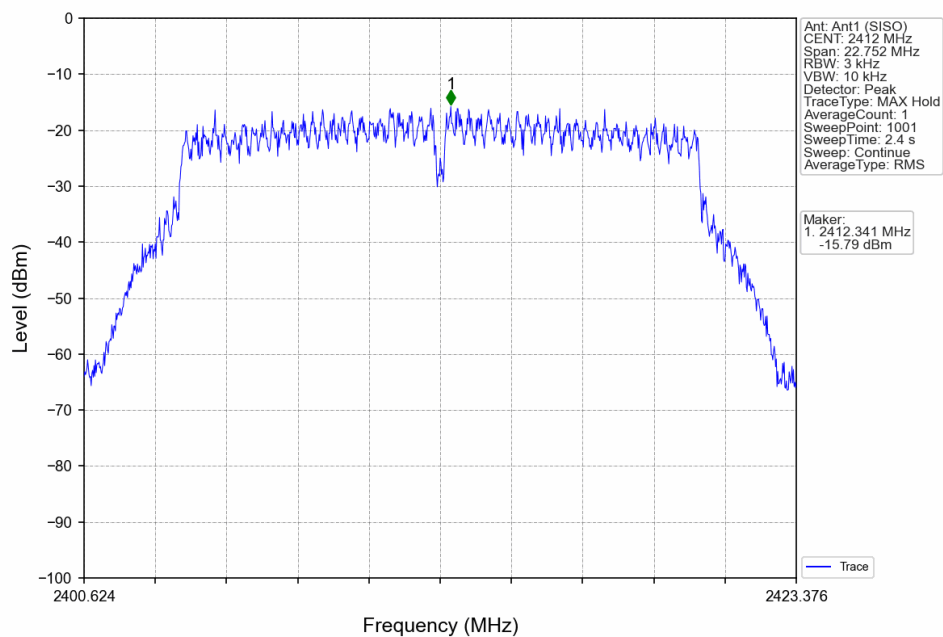
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



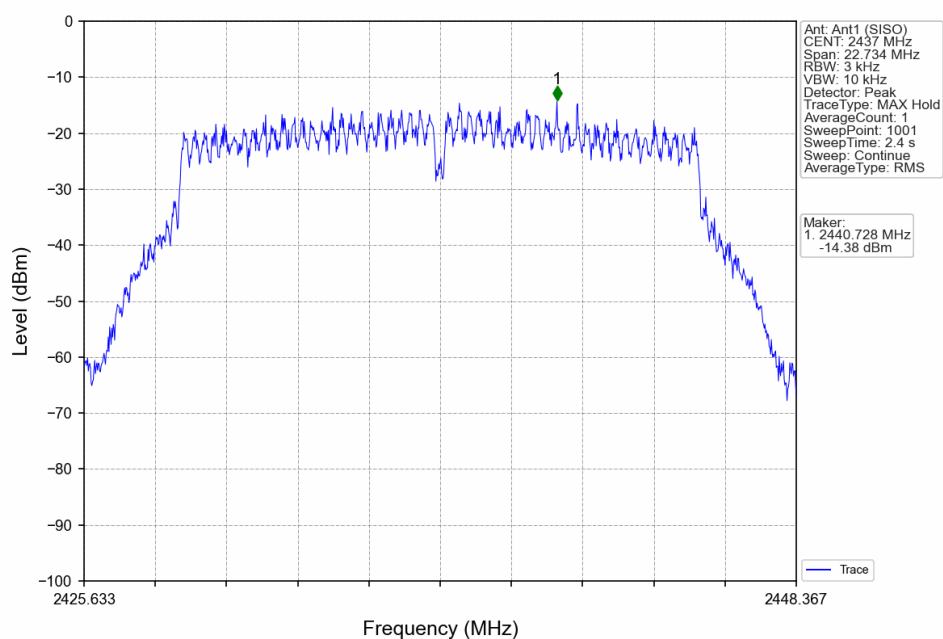
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



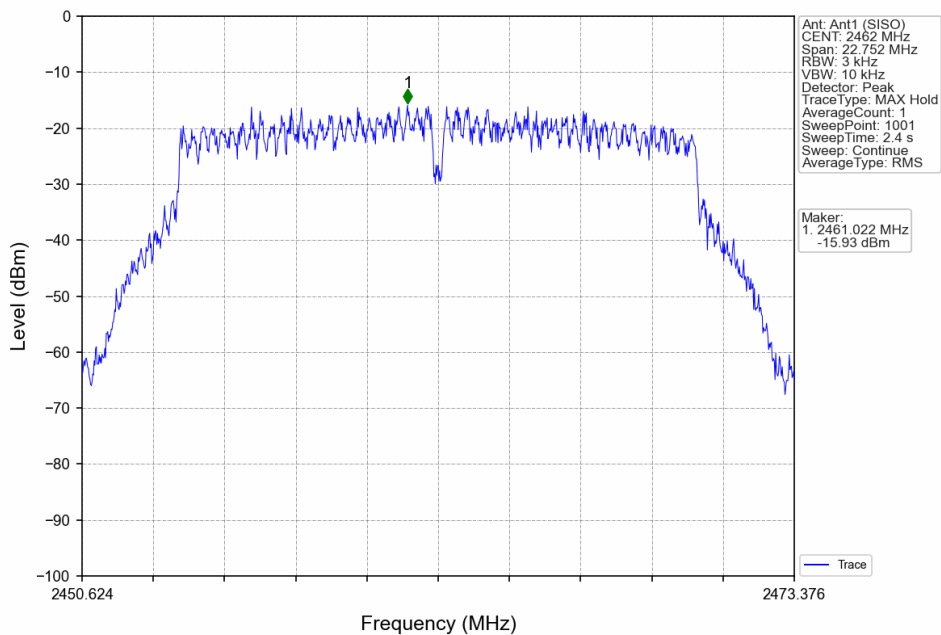
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



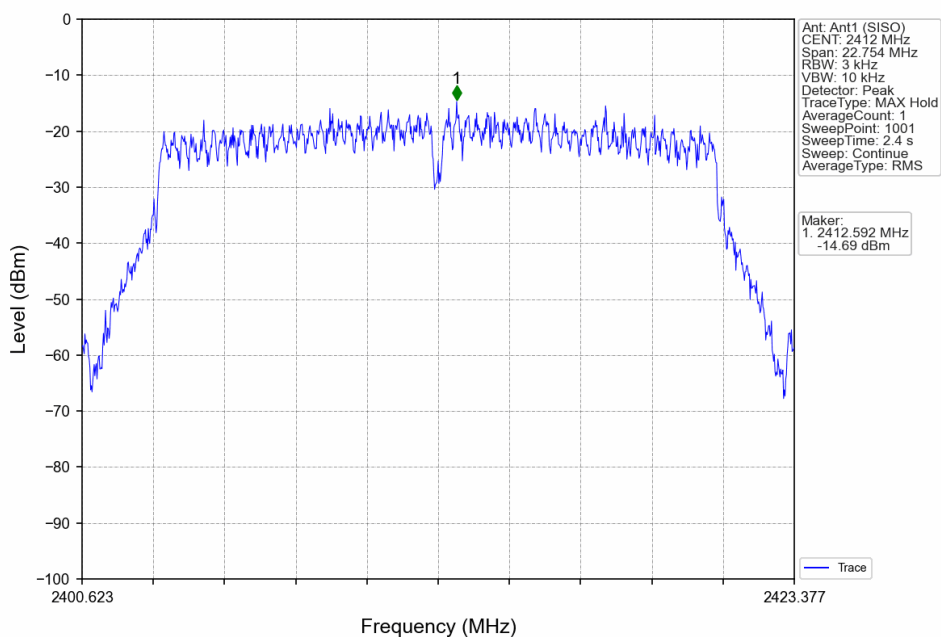
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



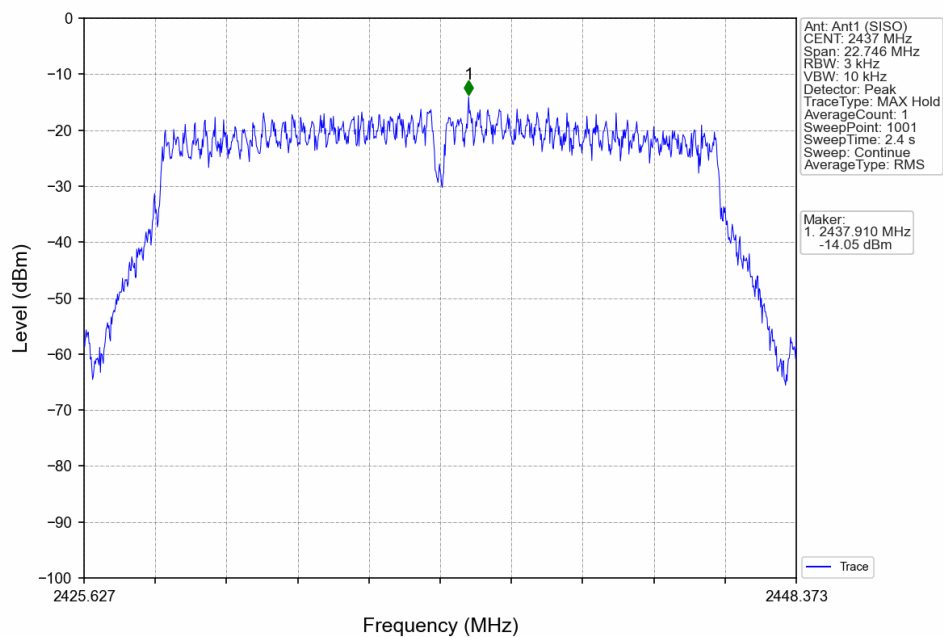
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



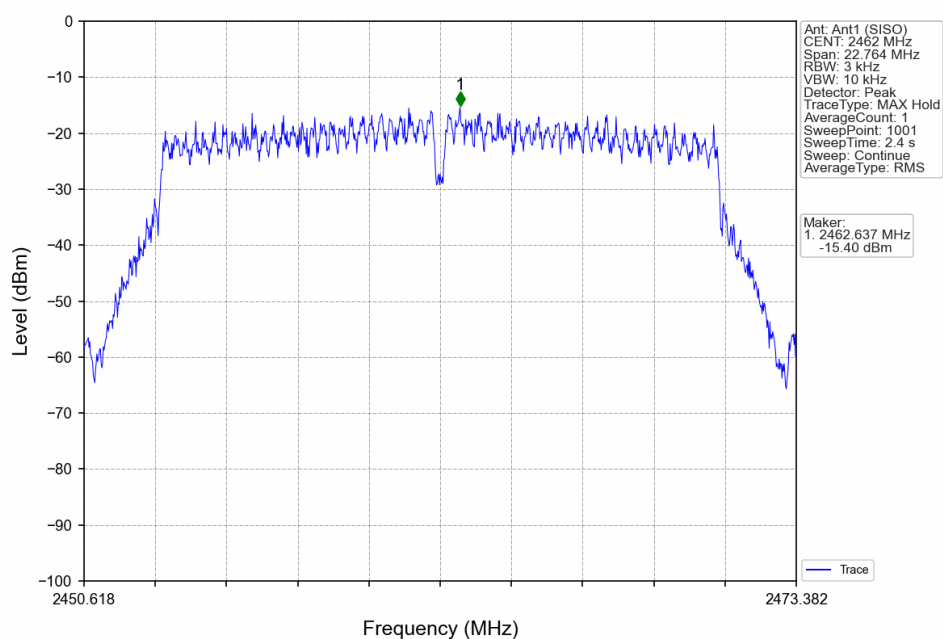
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



Band Edge & Conducted RF Spurious Emission

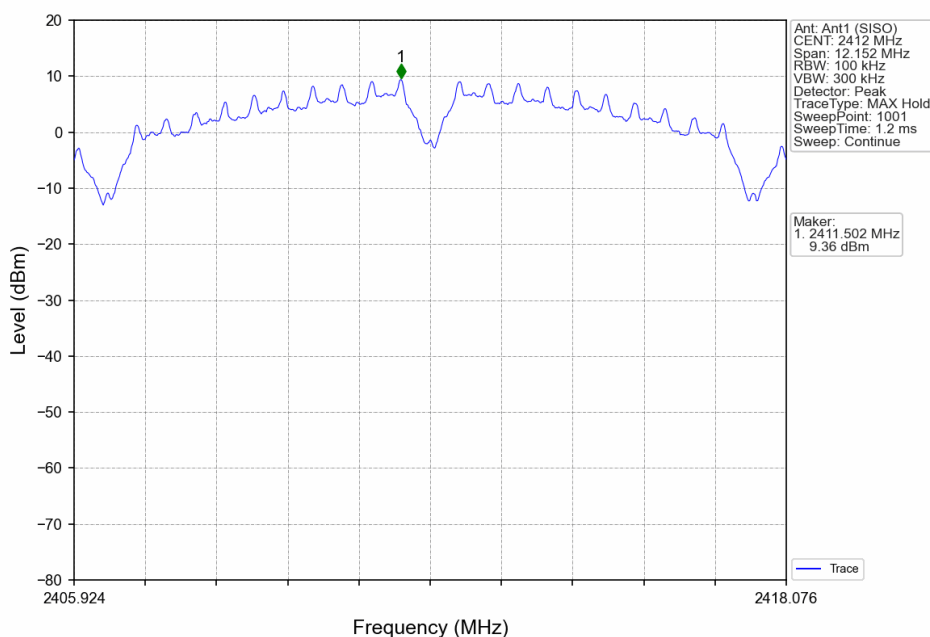
Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	9.36
		2437	1	9.21
		2462	1	9.19
802.11g	SISO	2412	1	4.64
		2437	1	4.81
		2462	1	4.98
802.11n (HT20)	SISO	2412	1	5.02
		2437	1	4.74
		2462	1	5.39

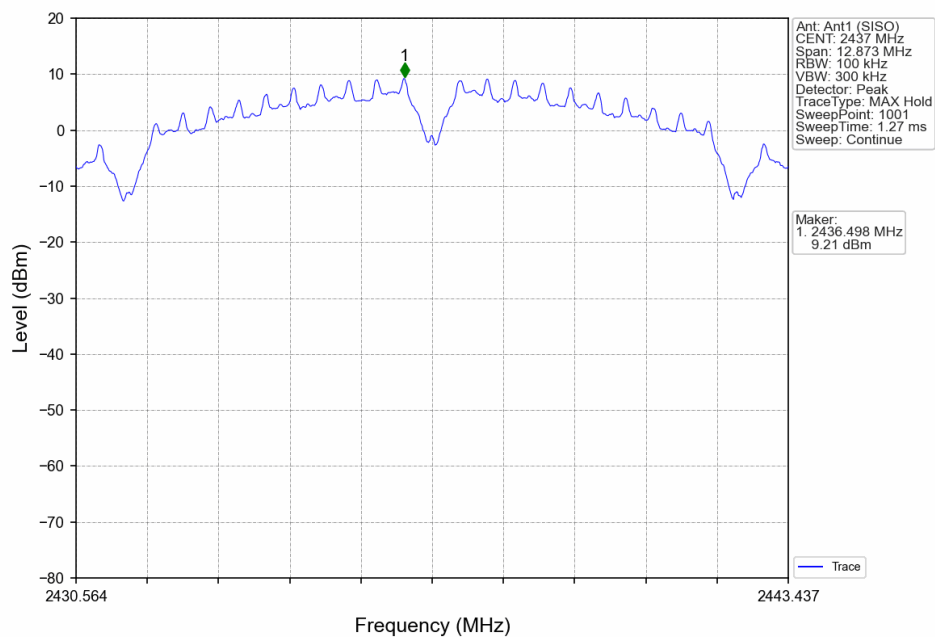
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

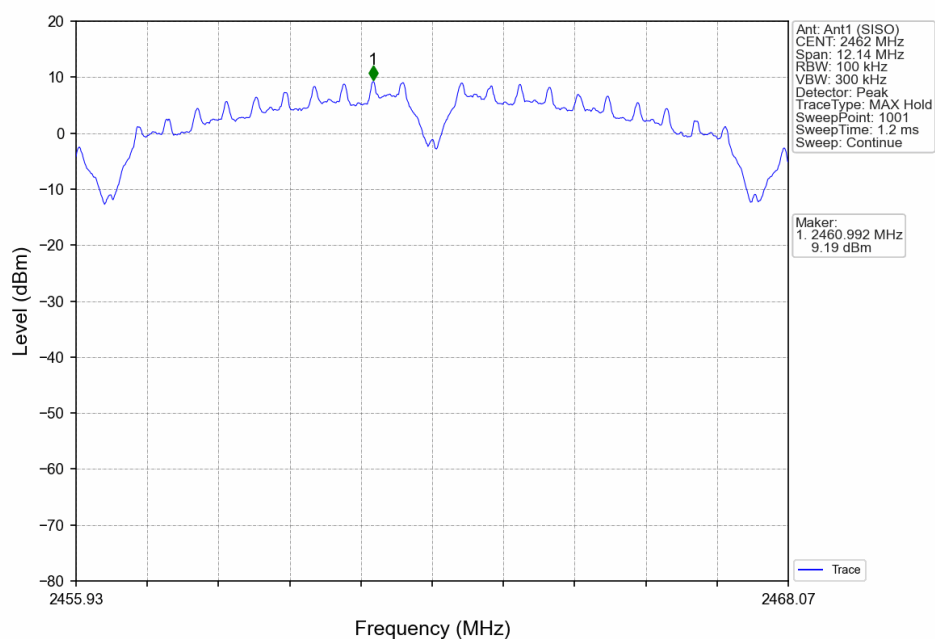
802.11b LCH 2412MHz Ant1 (SISO) NTN



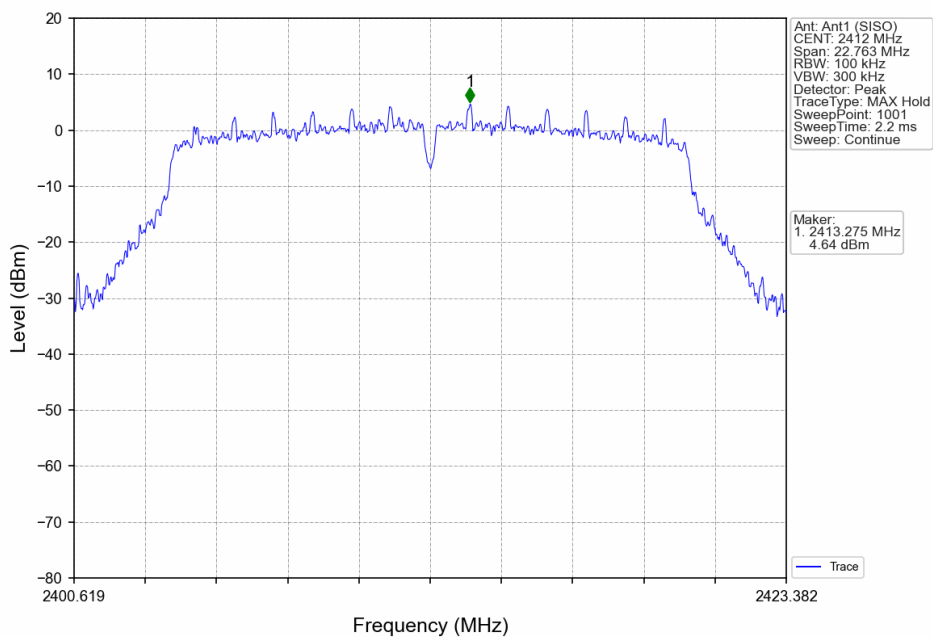
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



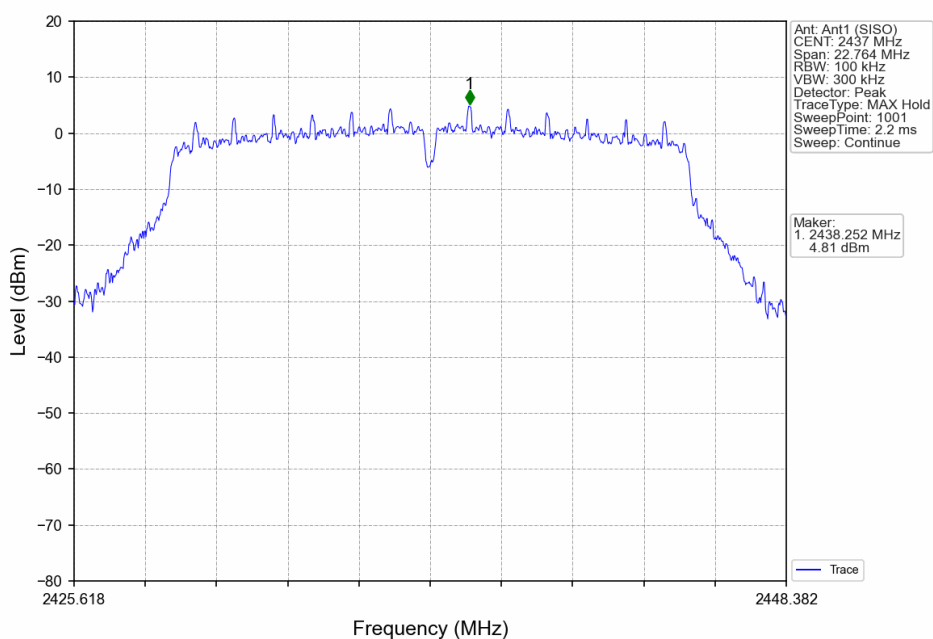
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



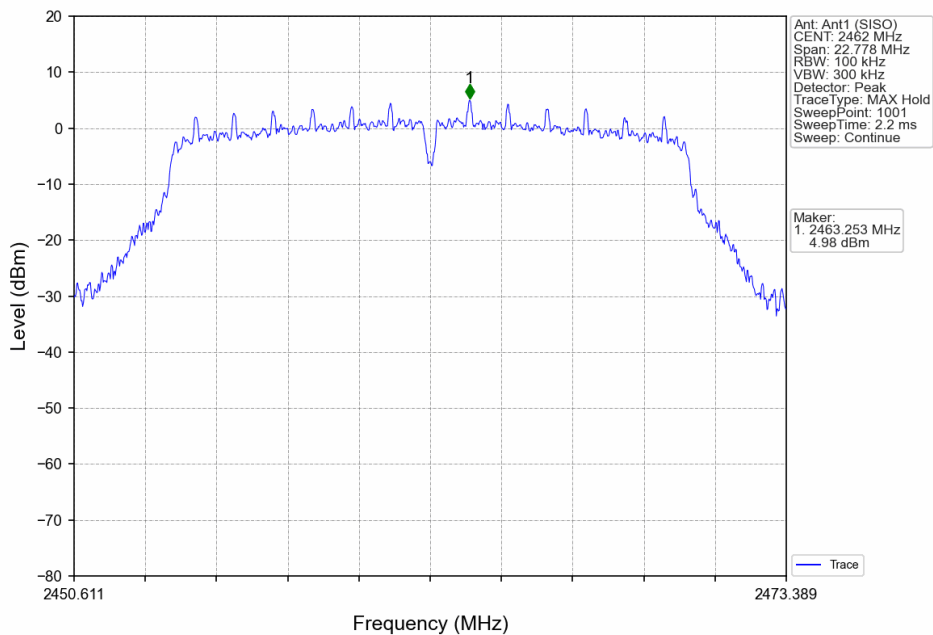
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



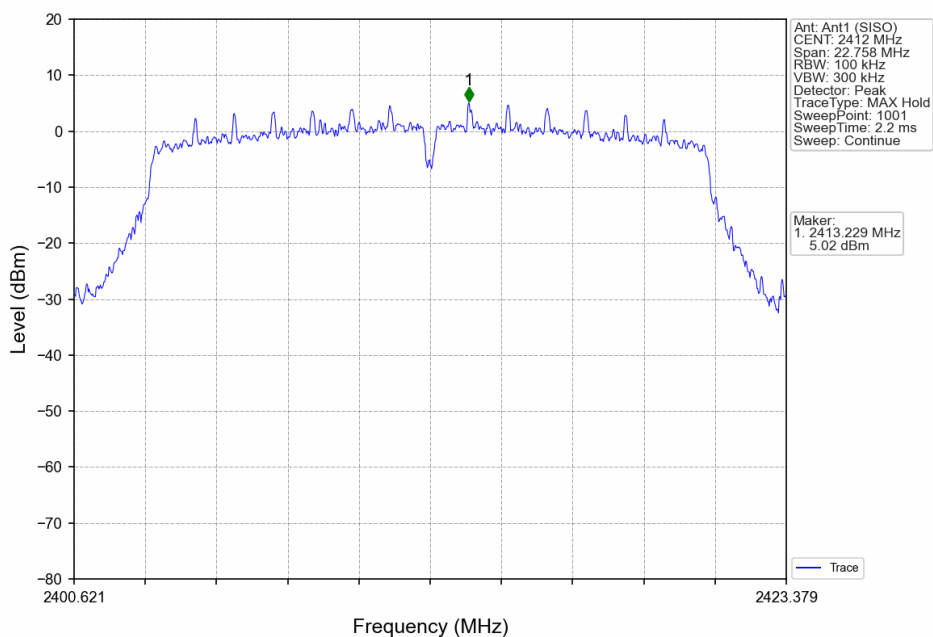
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



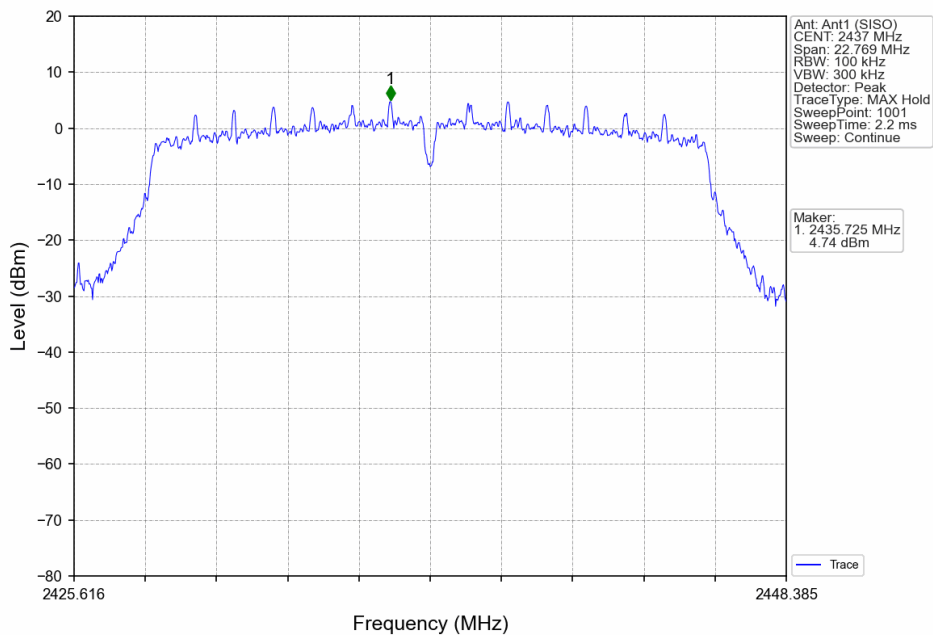
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



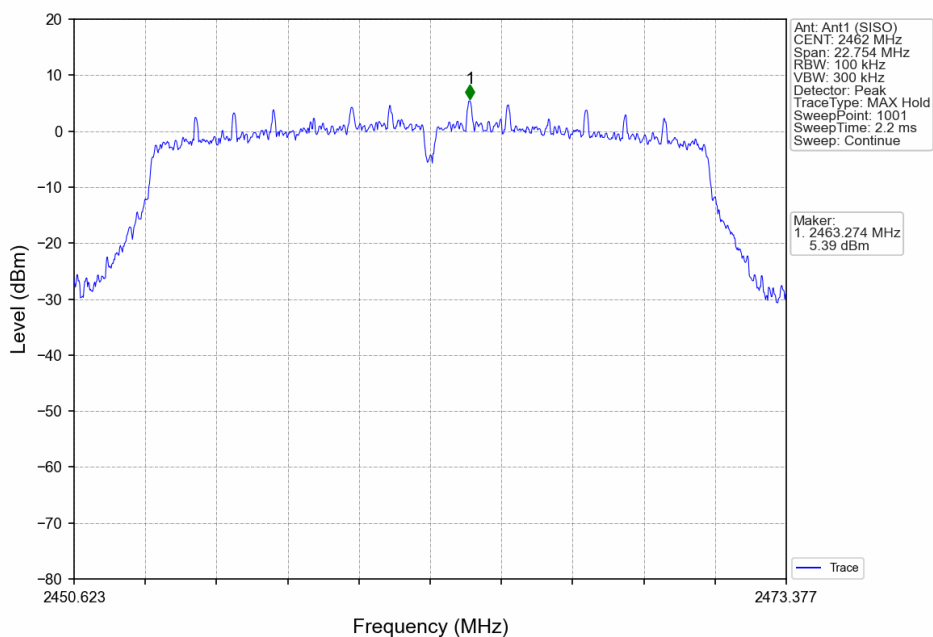
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

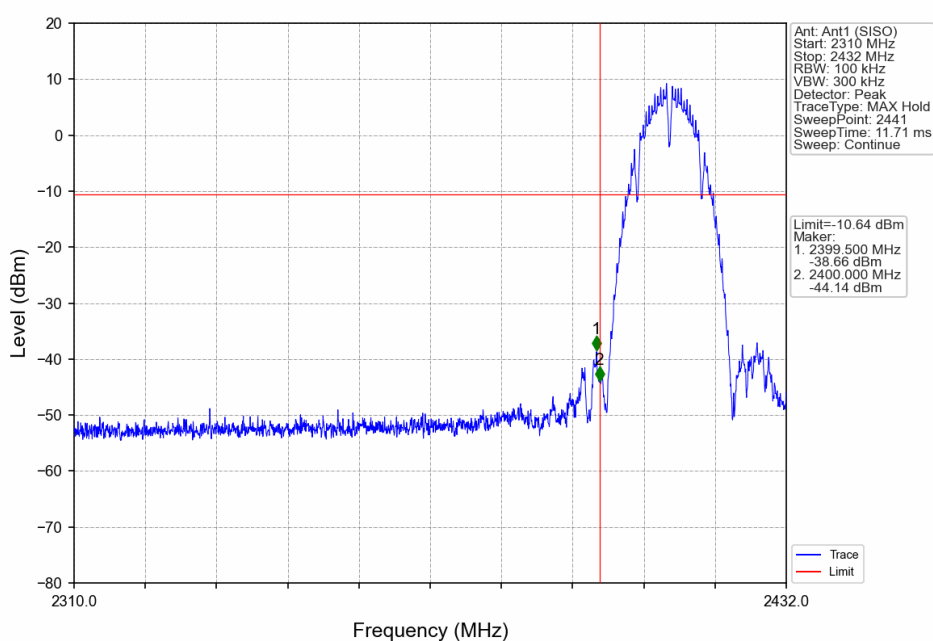


CSE

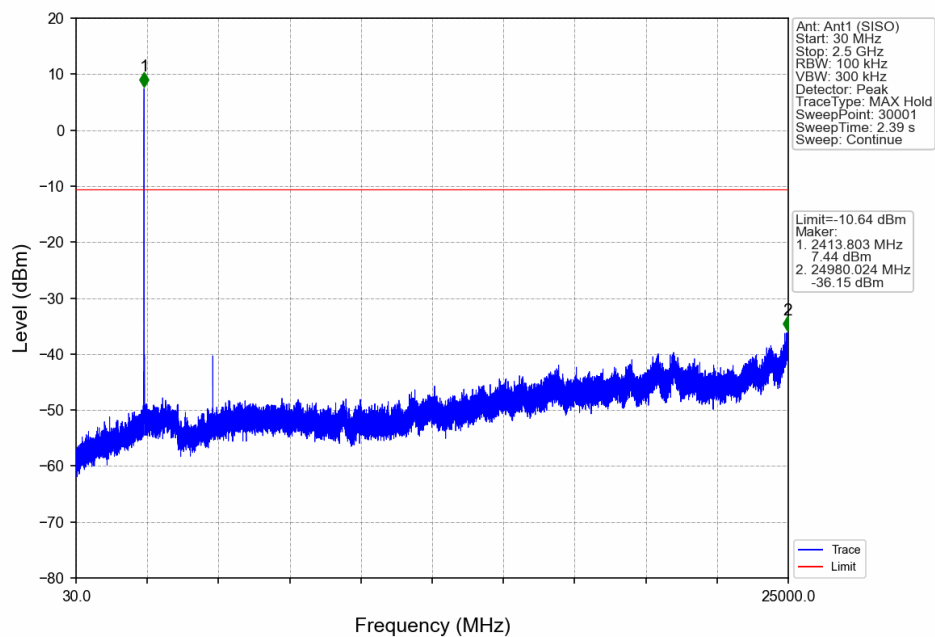
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	9.36	-10.64	Pass
		2437	1	9.36	-10.64	Pass
		2462	1	9.36	-10.64	Pass
802.11g	SISO	2412	1	4.98	-15.02	Pass
		2437	1	4.98	-15.02	Pass
		2462	1	4.98	-15.02	Pass
802.11n (HT20)	SISO	2412	1	5.39	-14.61	Pass
		2437	1	5.39	-14.61	Pass
		2462	1	5.39	-14.61	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

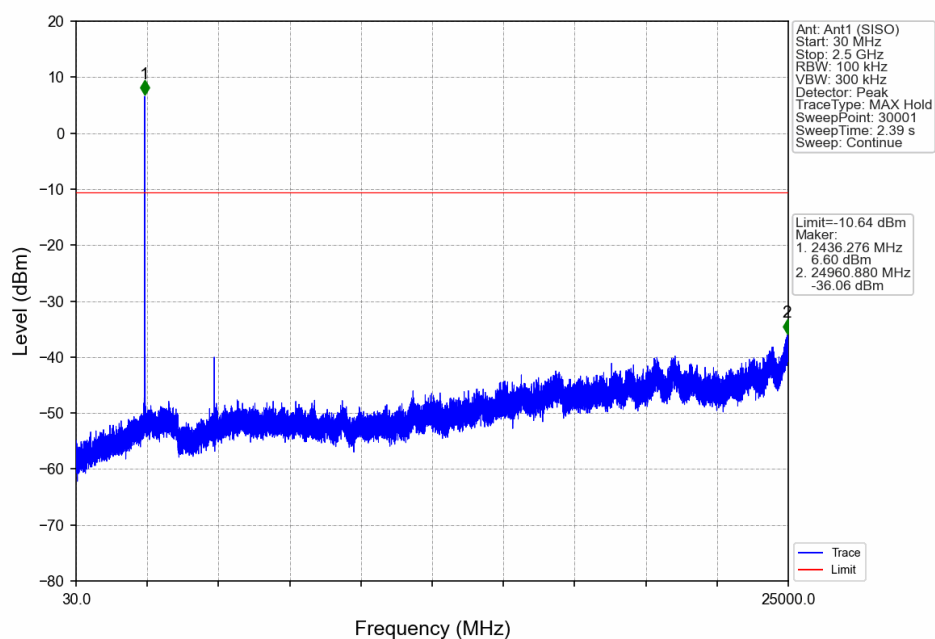
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



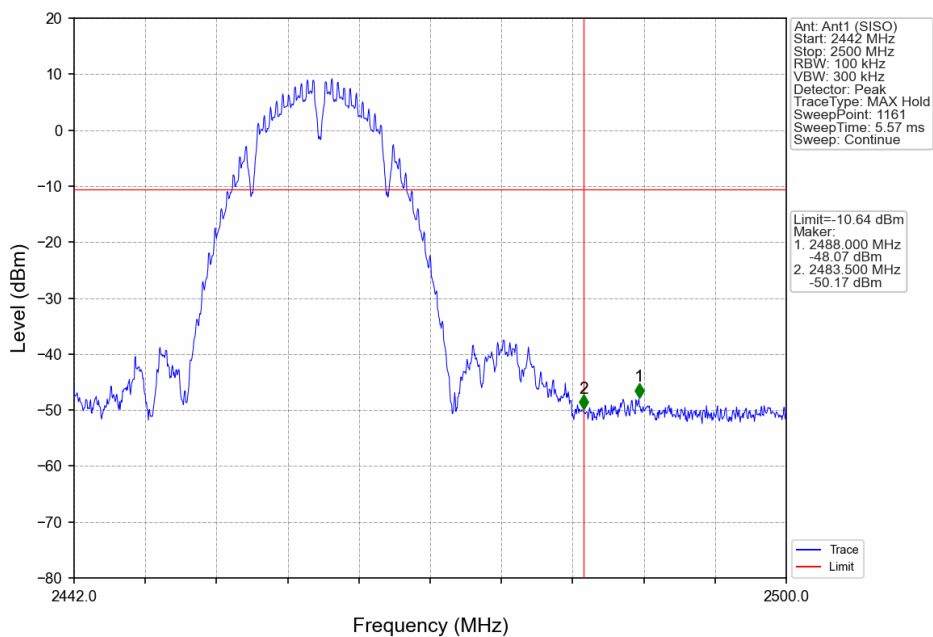
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



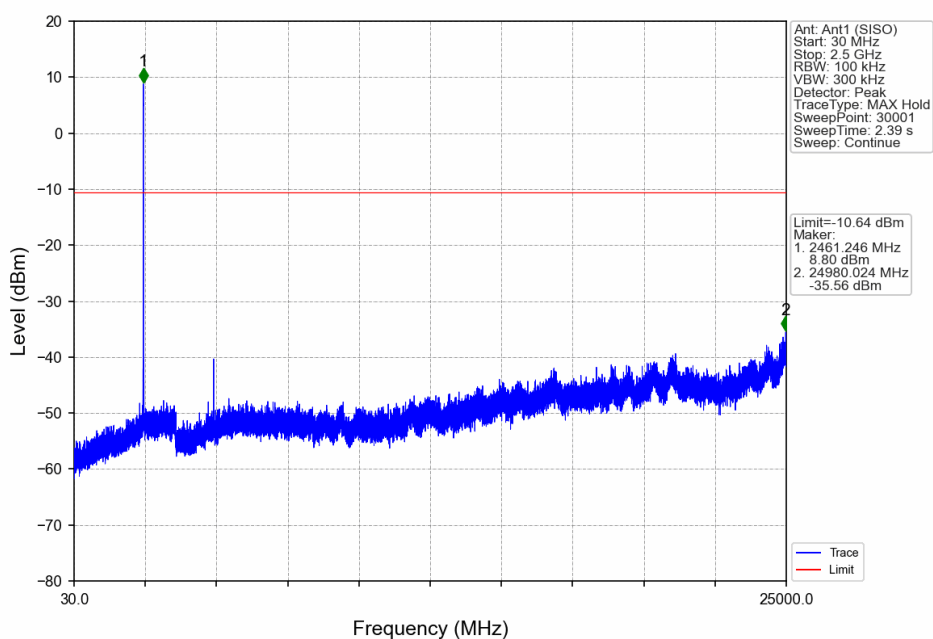
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



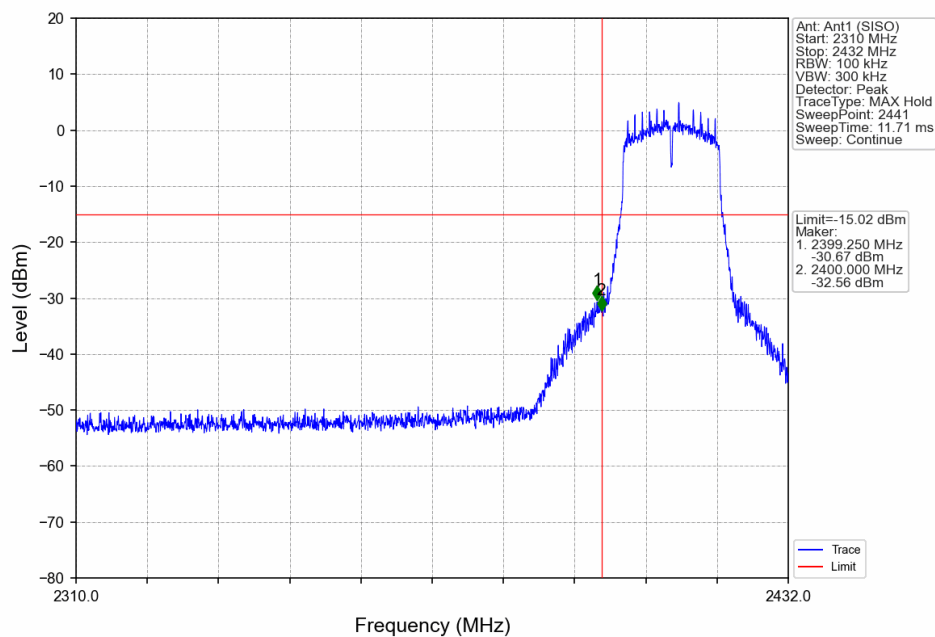
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



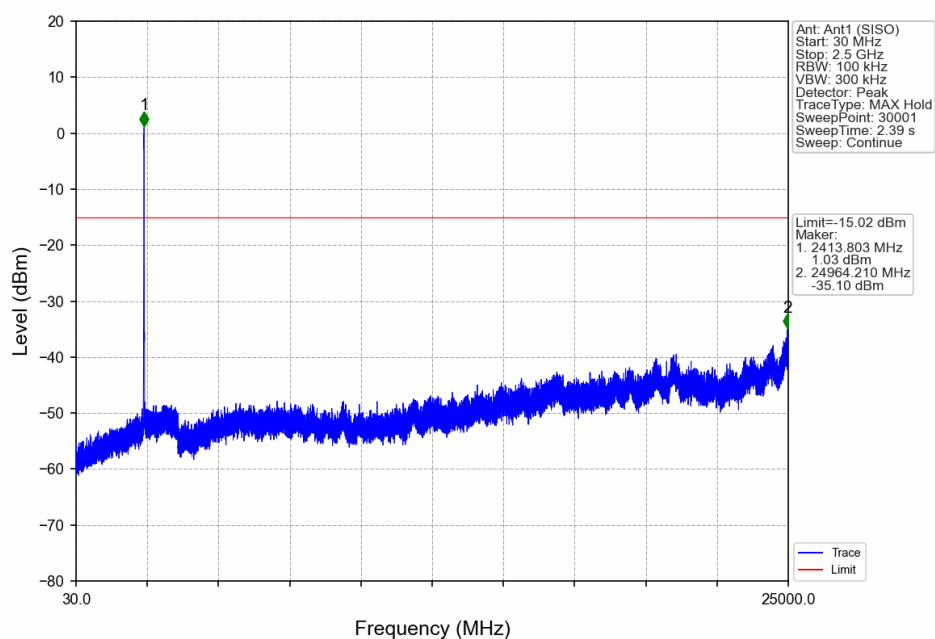
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



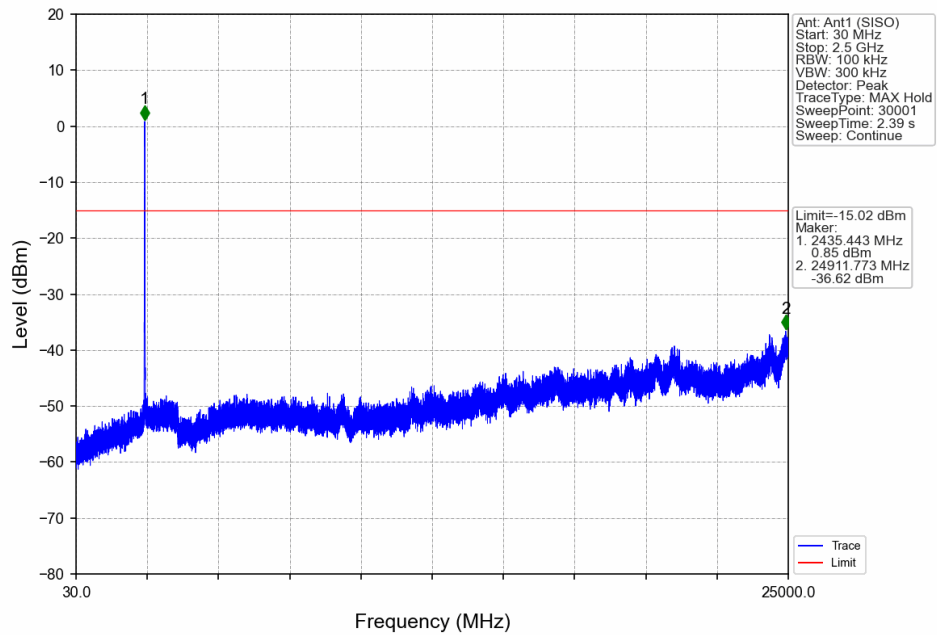
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



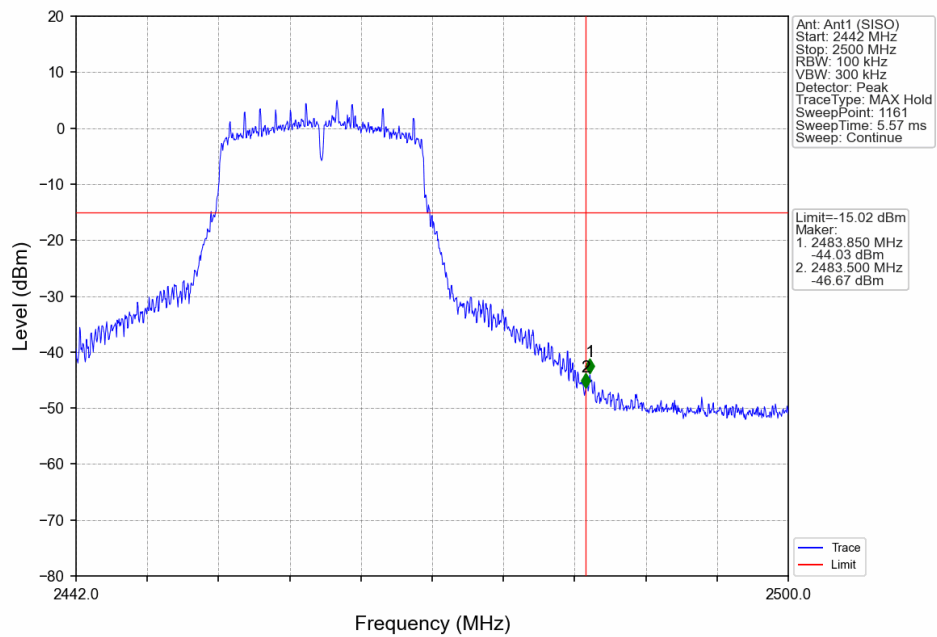
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



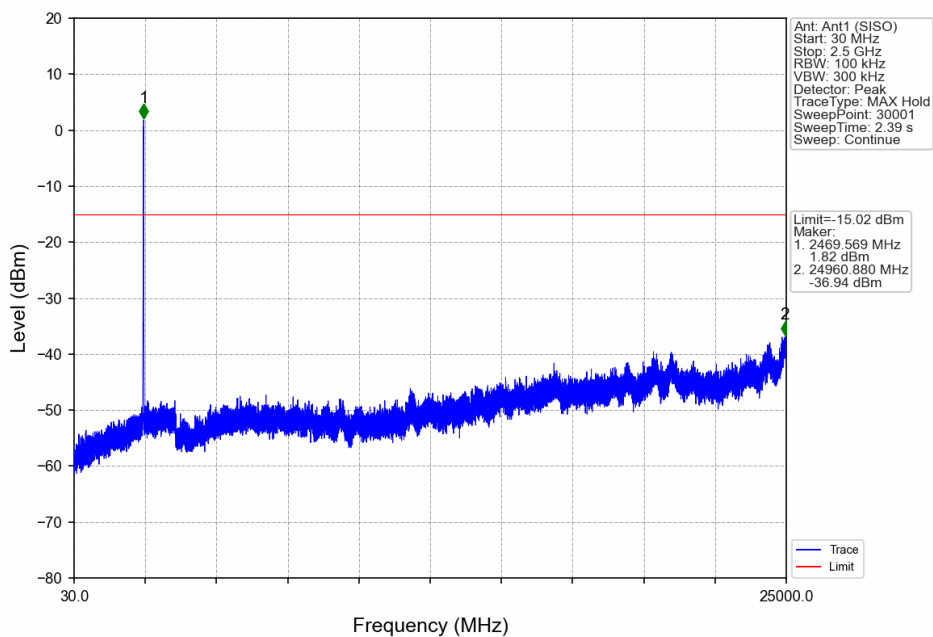
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



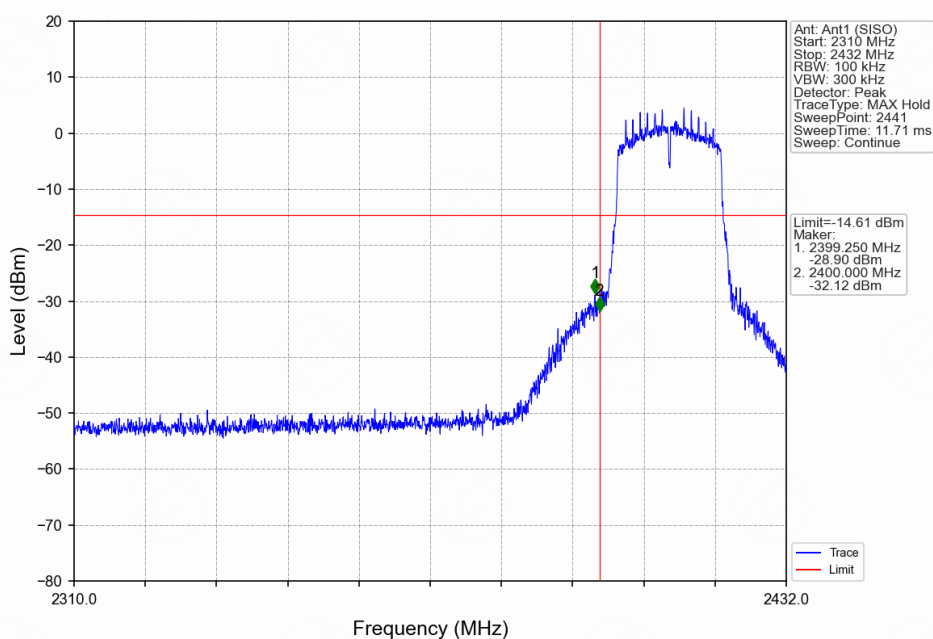
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



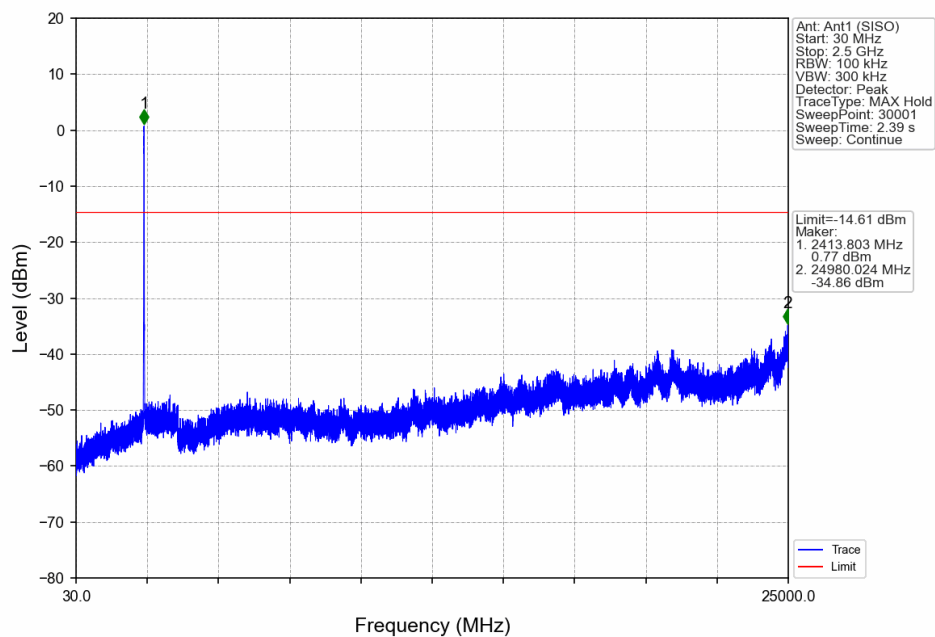
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



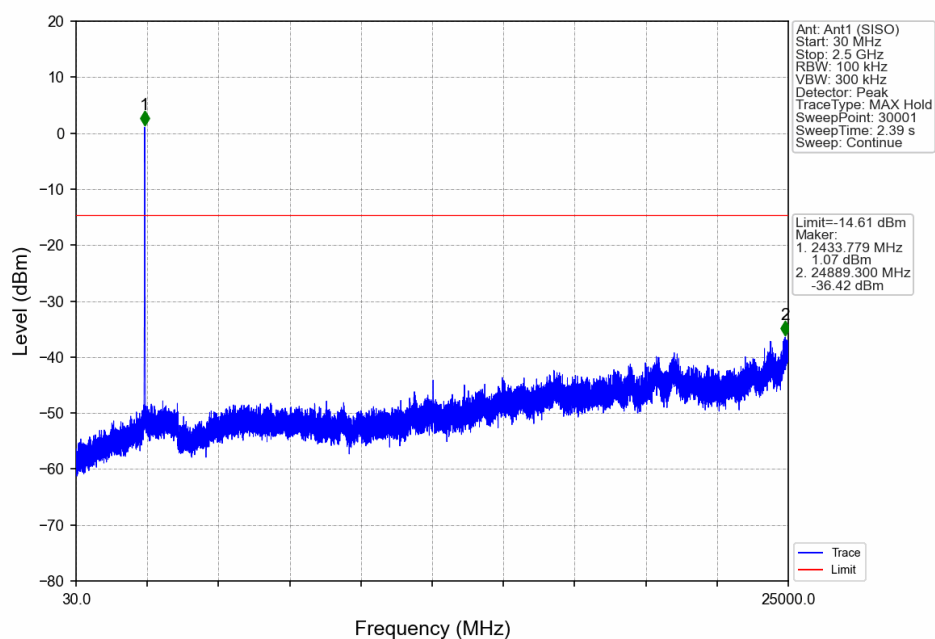
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



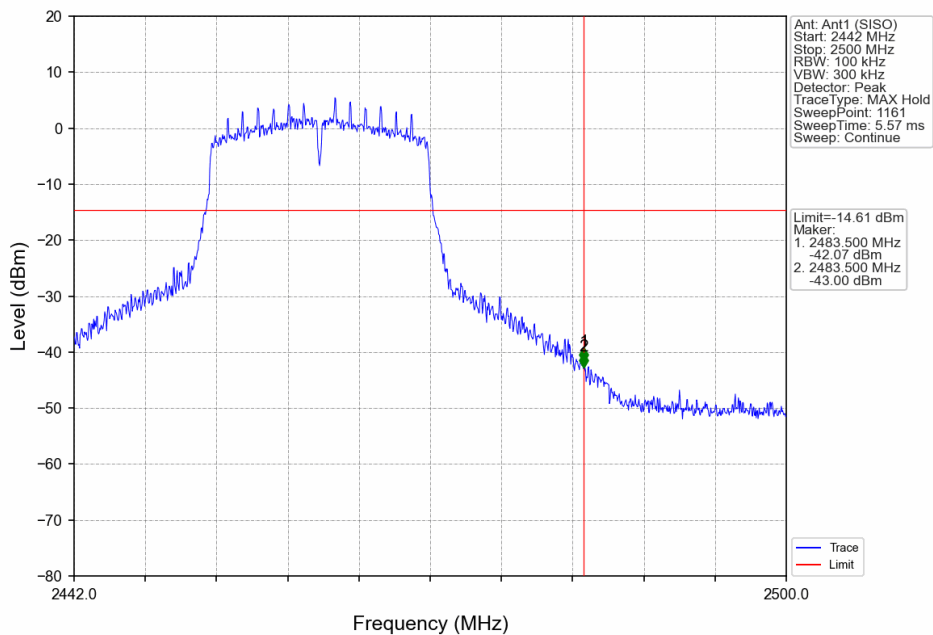
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



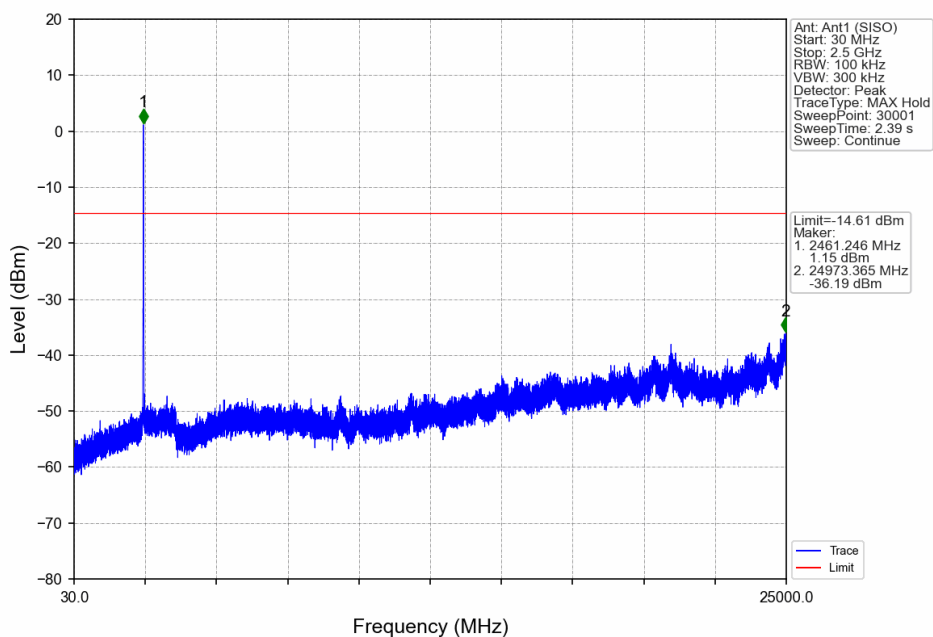
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

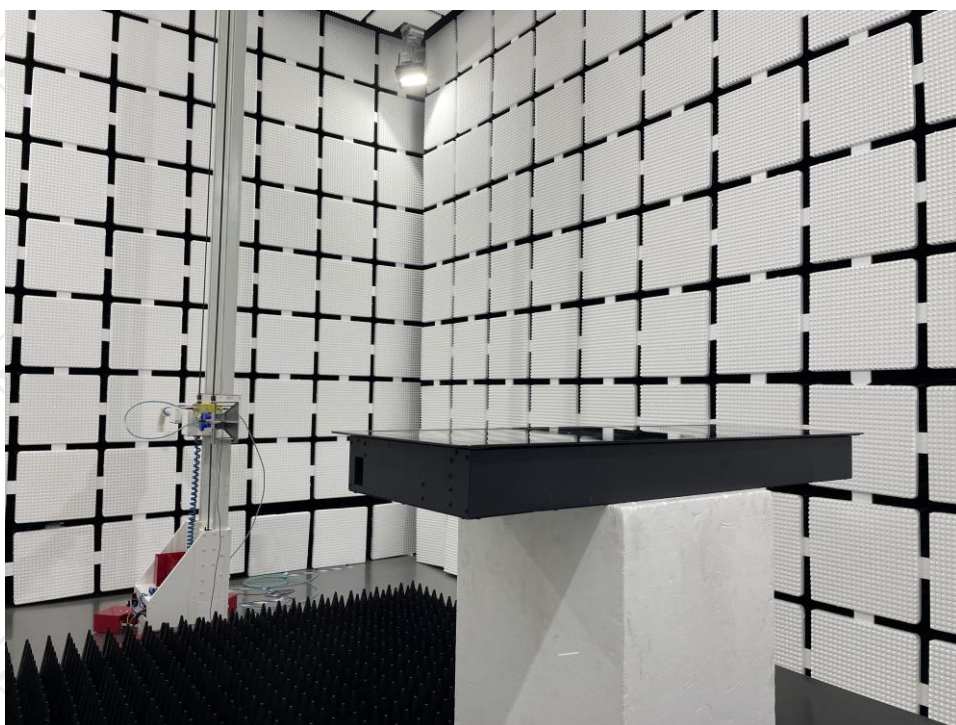
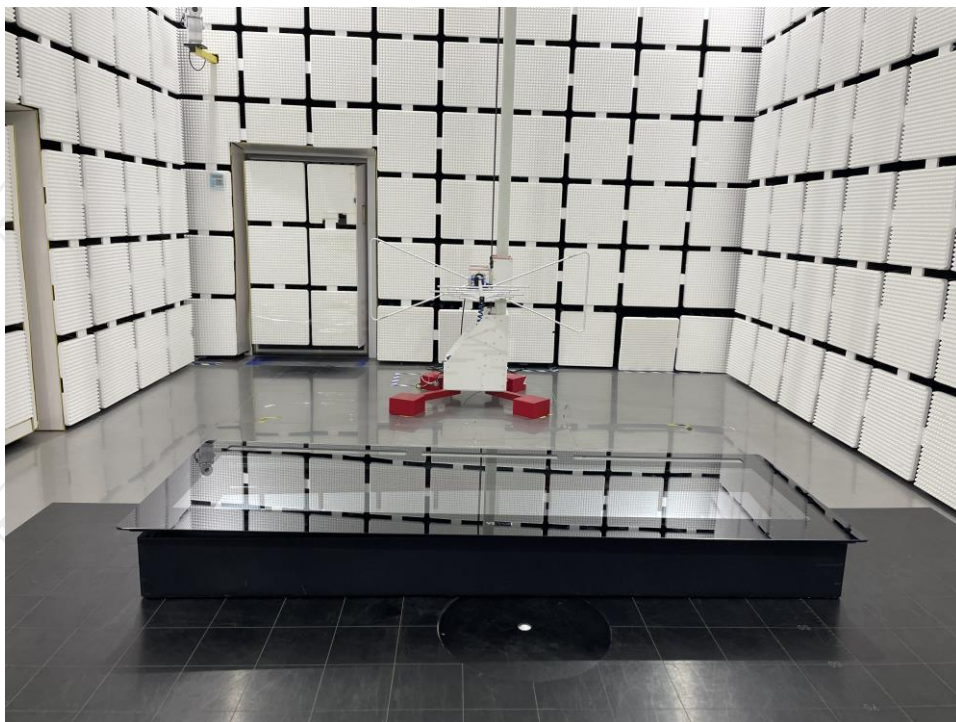


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

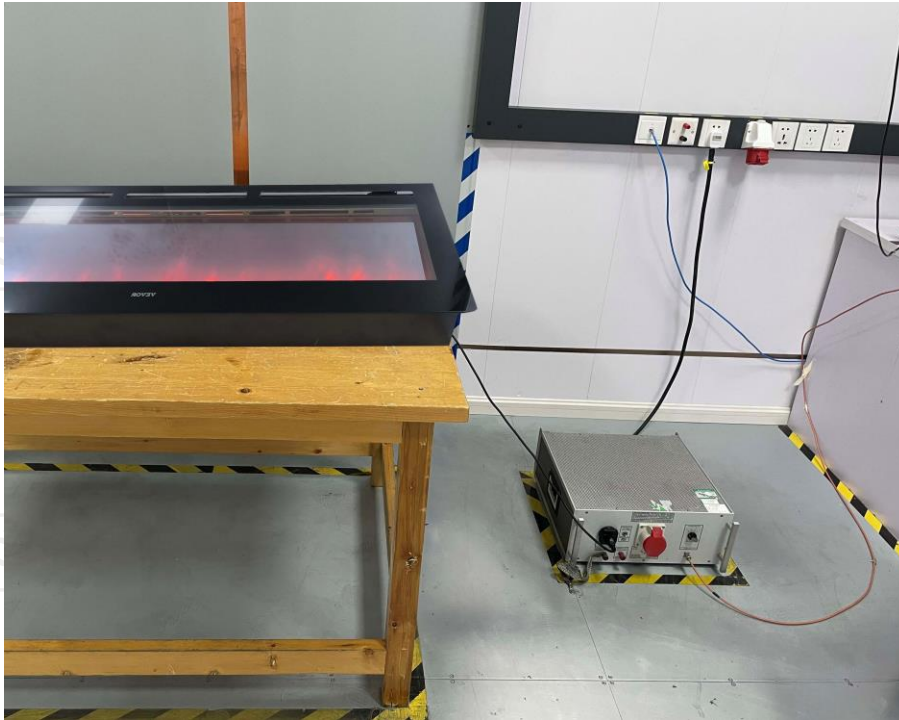


Appendix B: Photographs of Test Setup

Radiated Emission

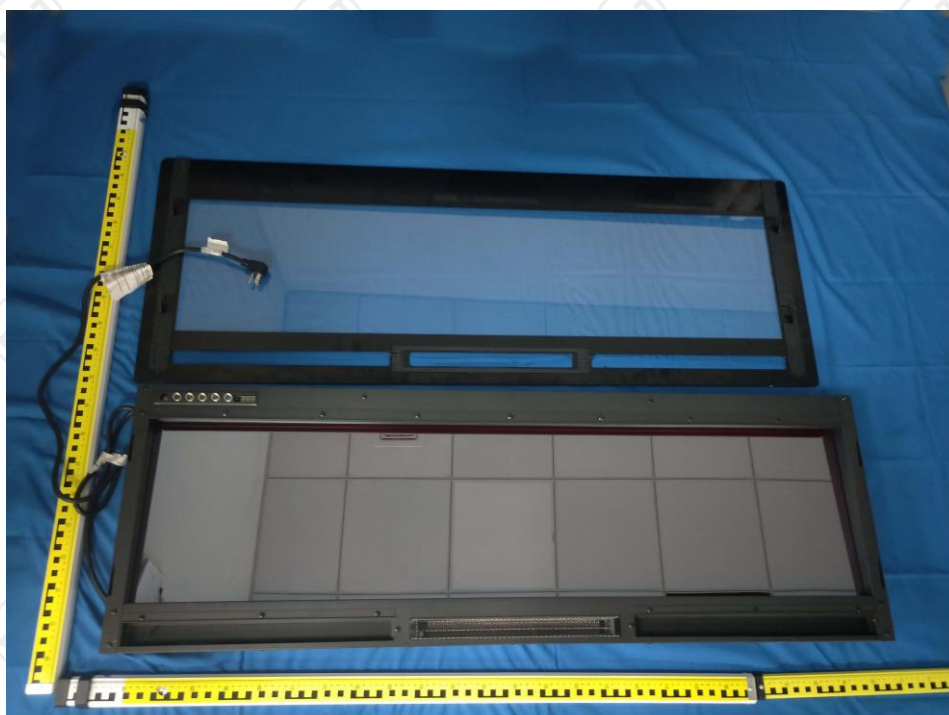
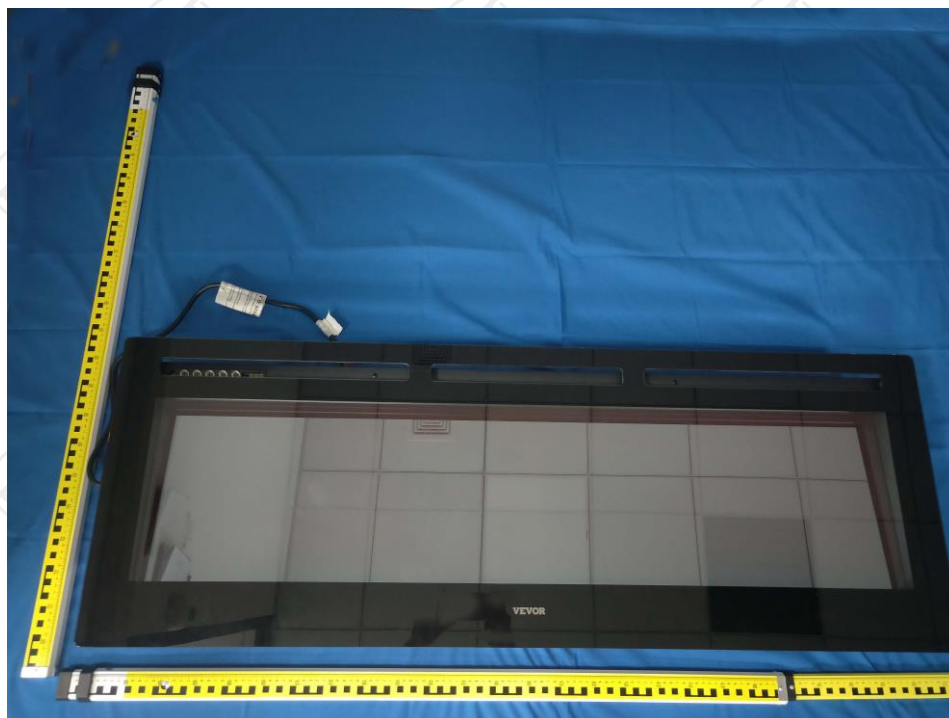


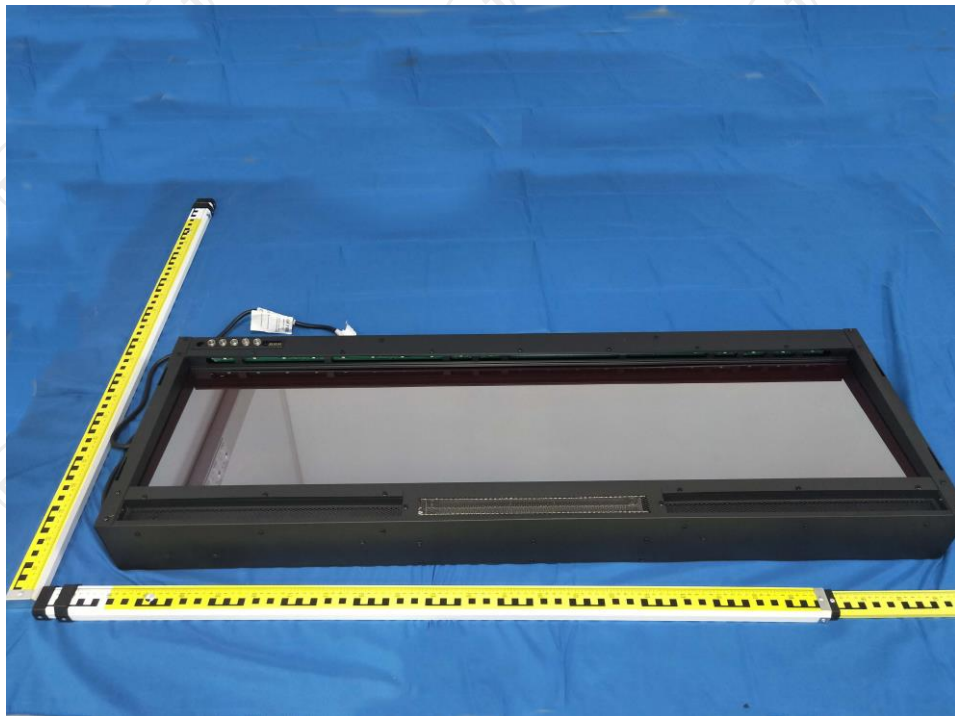
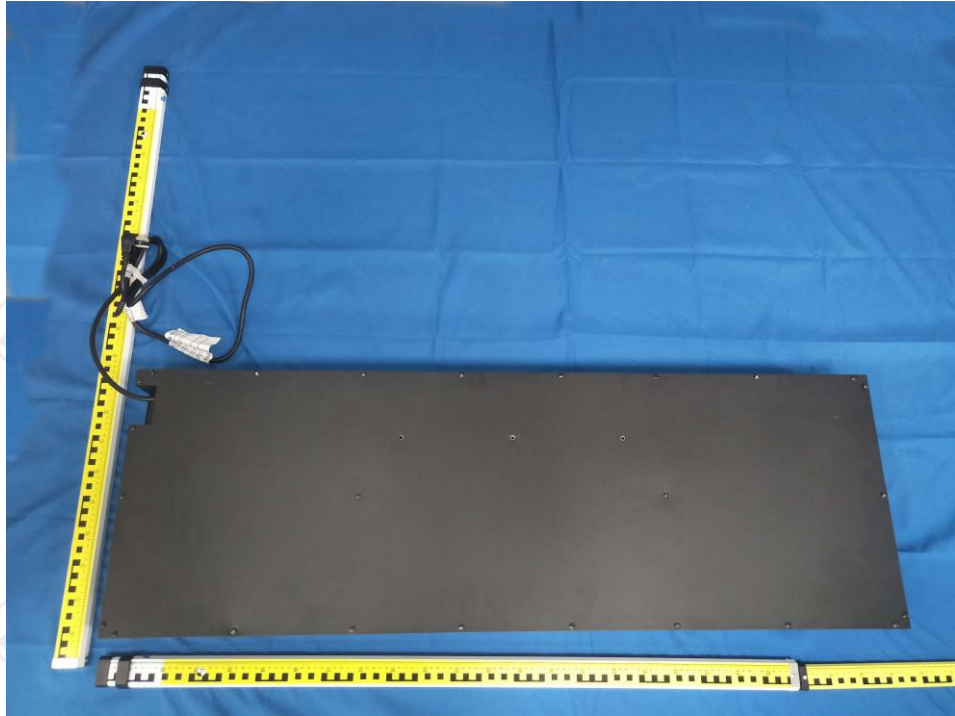
Conducted Emission

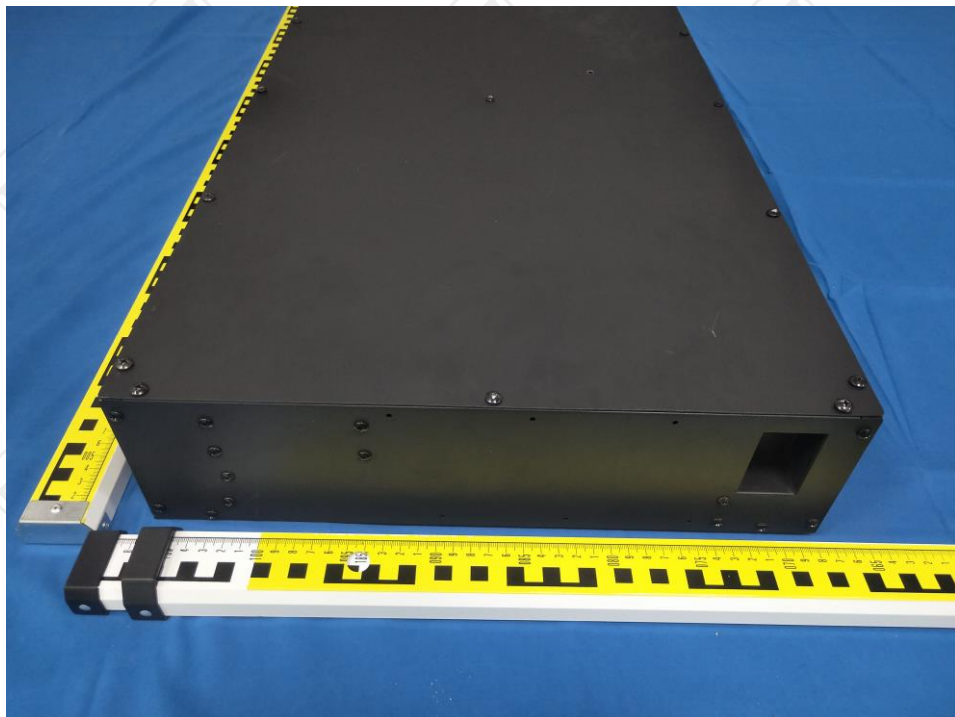


Appendix C: Photographs of EUT

External Photos

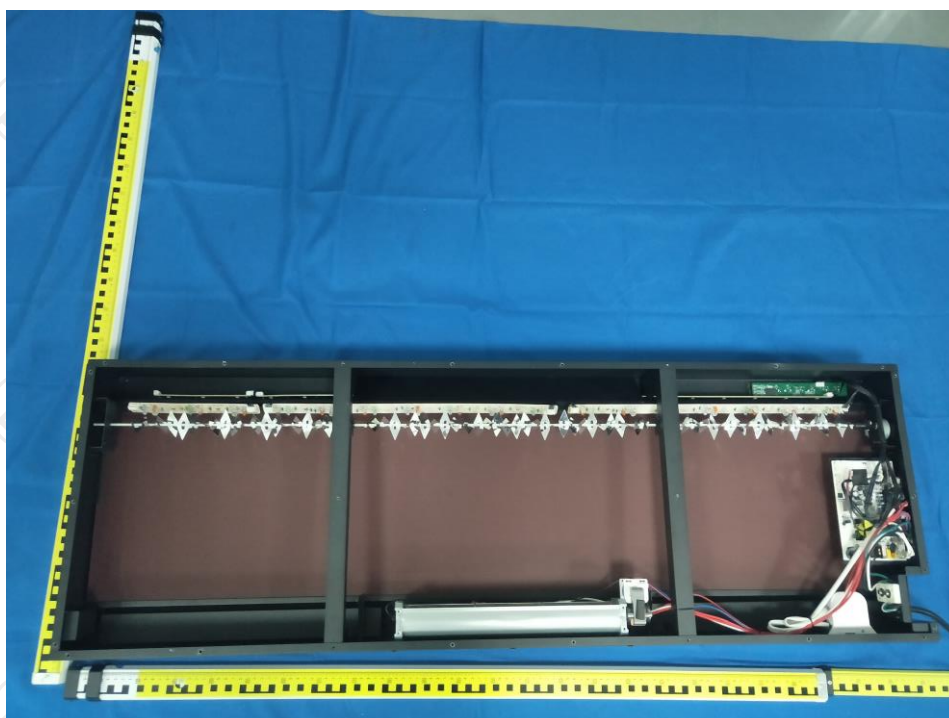


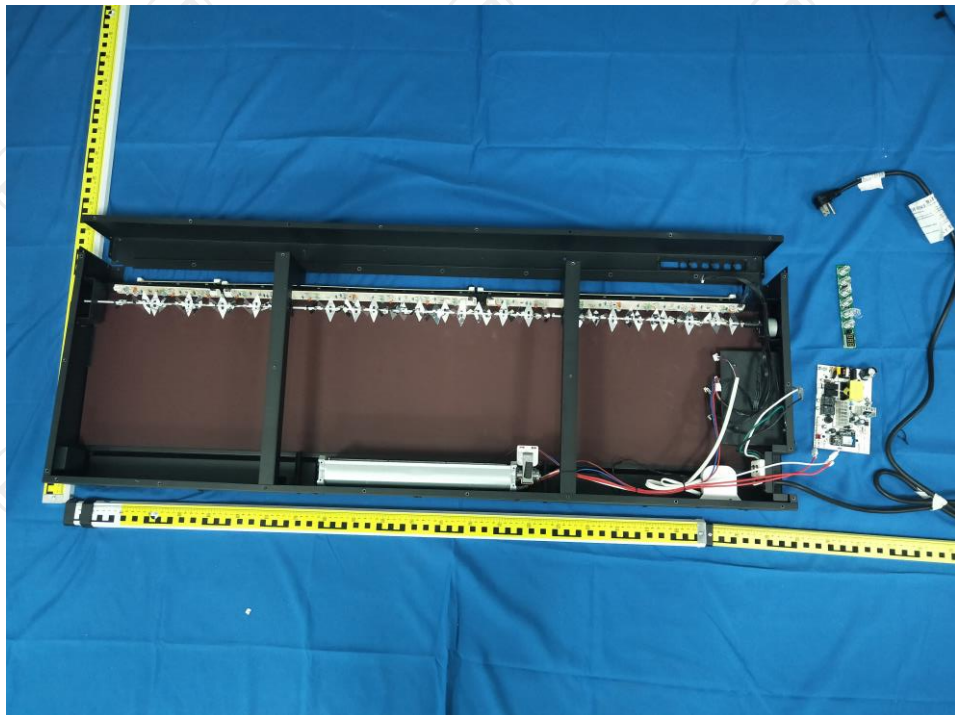
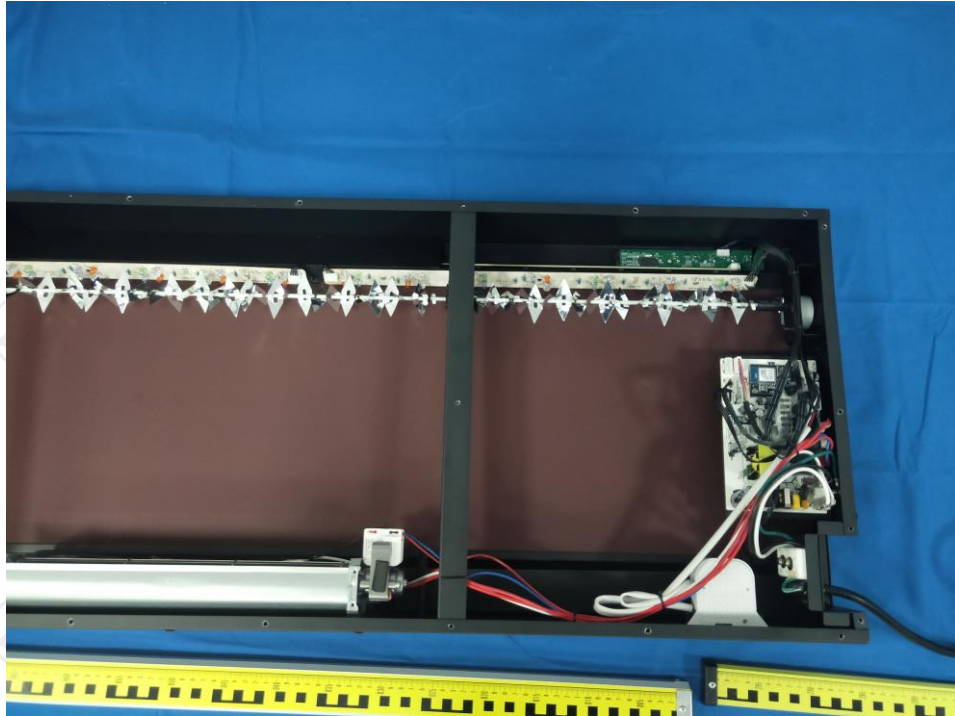


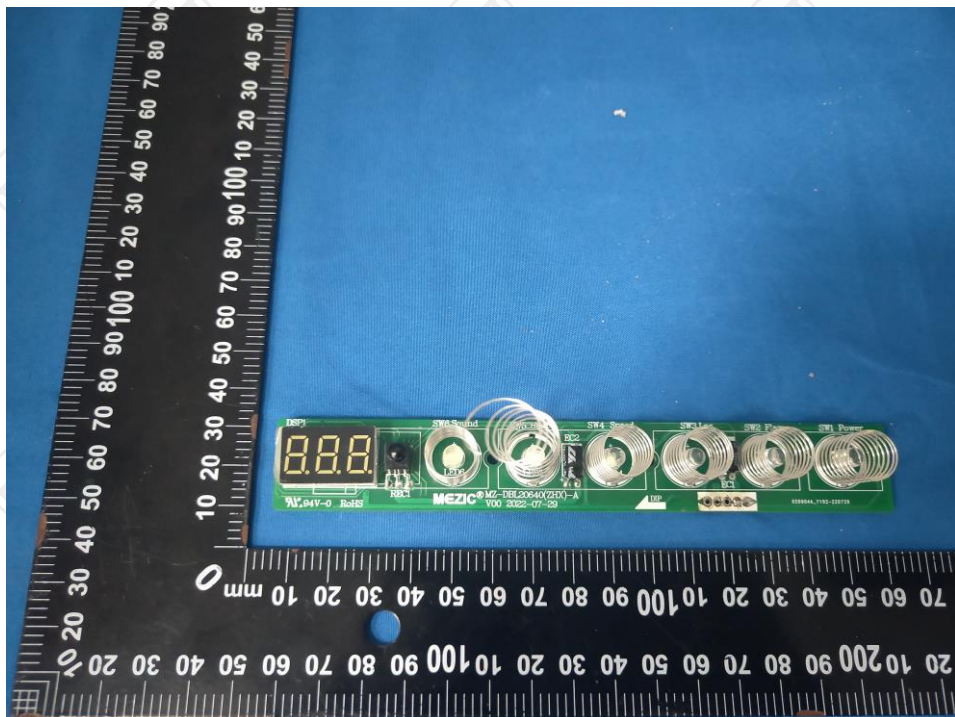
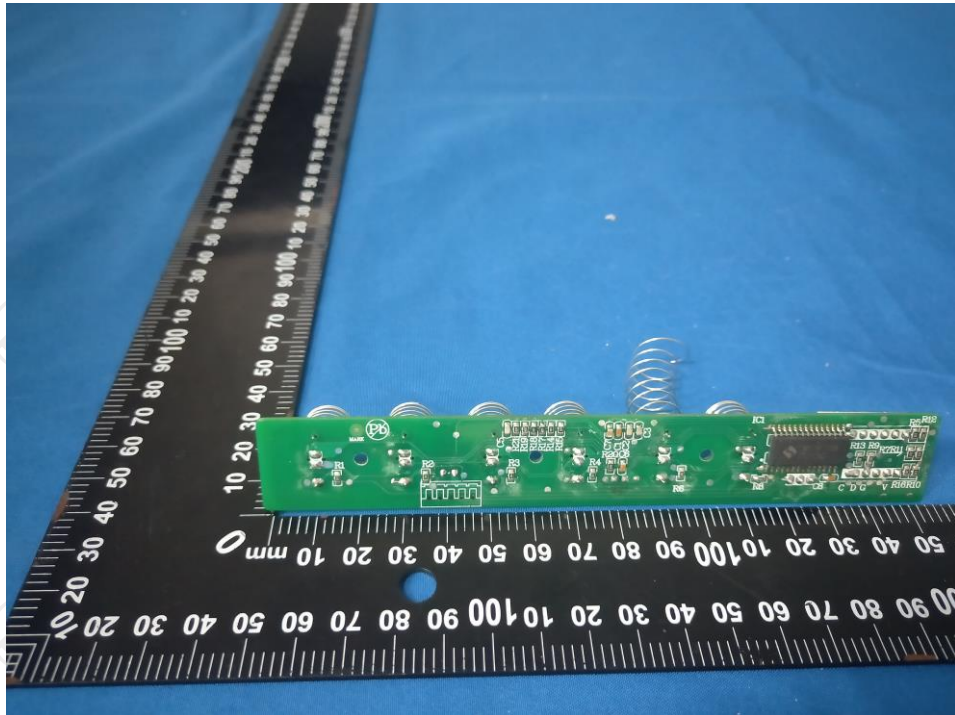


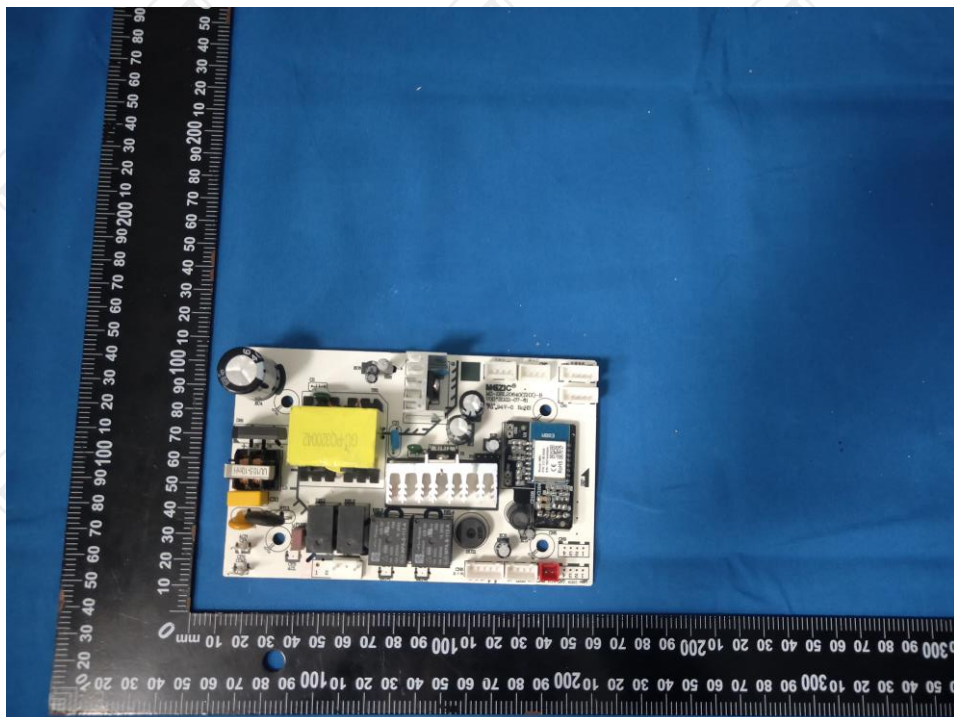
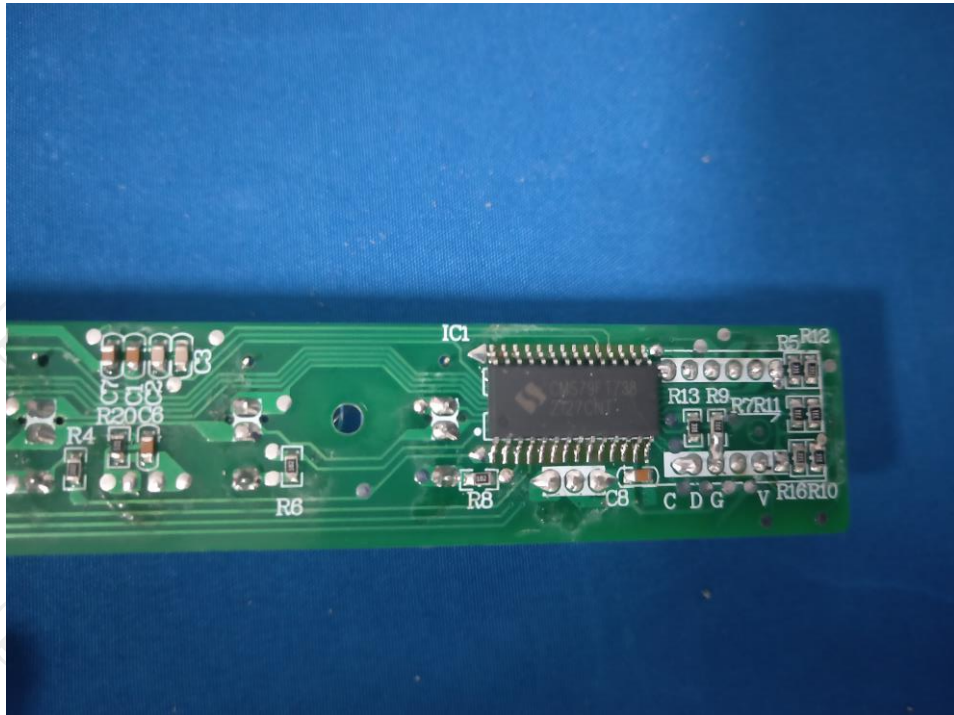


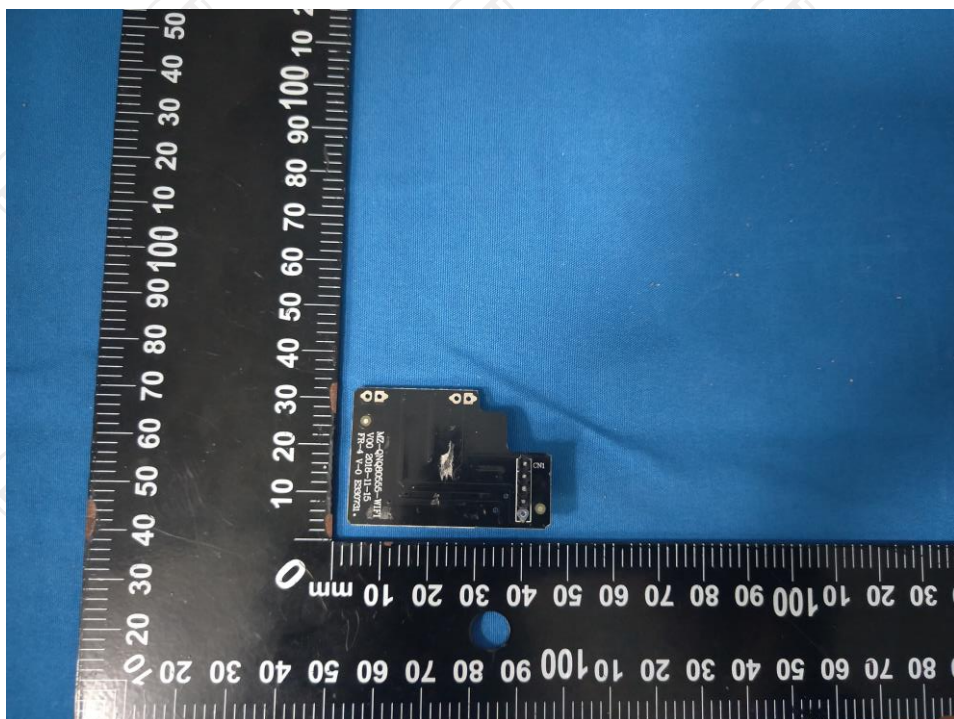
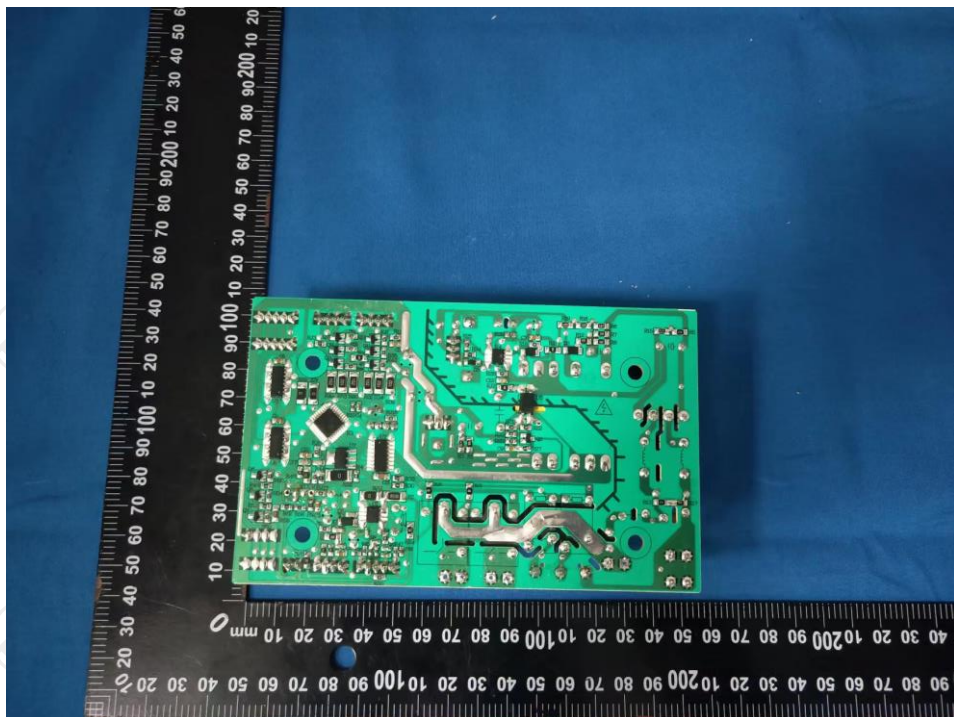
Internal Photos

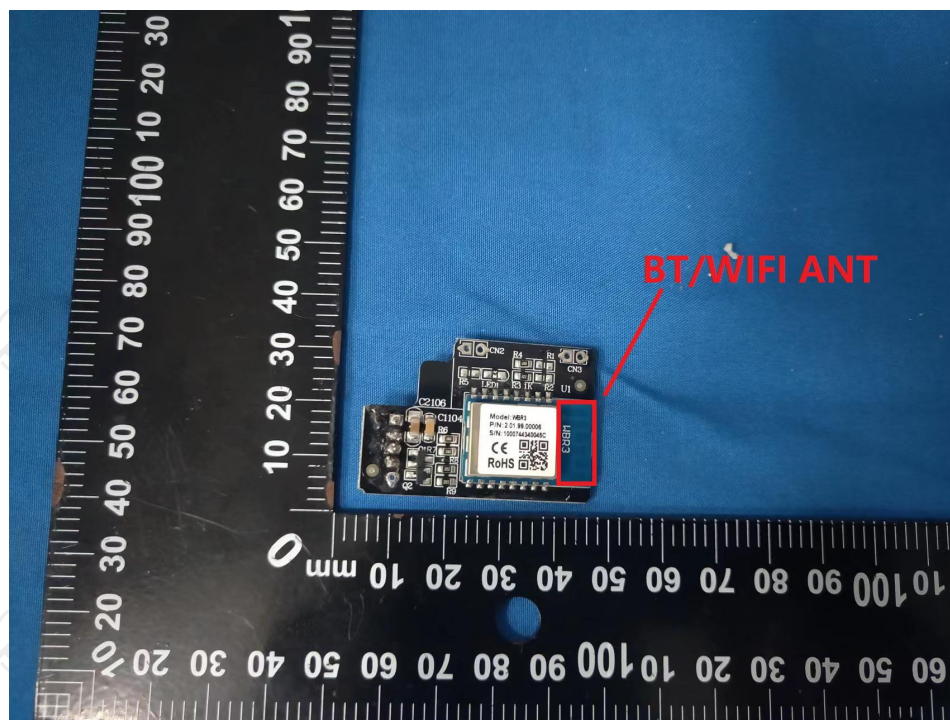












*******END OF REPORT*******