RF TEST REPORT

Product Name: Tablet

Model Number: P4-8, P5, P8, T11, S60, T60, P7

FCC ID: 2BDTW-P4

Issued For : Zhongke Microelectronics Technology (Shenzhen) Co., LTD

Floor 4, Building A, Shimei Industrial Zone, Jinying New Village, Longhua District, Shenzhen, Guangdong

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China

Report Number:	LGT25L082RF03
Sample Received Date:	Dec. 03, 2025
Date of Test:	Dec. 03, 2025 ~ Dec. 15, 2025
Date of Issue:	Dec. 15, 2025

The test report is effective only with both signature and specialized stamp. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report only apply to the tested sample.

TEST REPORT CERTIFICATION

Applicant:	Zhongke Microelectronics Technology (Shenzhen) Co., LTD
Address:	Floor 4, Building A, Shimei Industrial Zone, Jinying New Village, Longhua District, Shenzhen, Guangdong
Manufacturer:	Zhongke Microelectronics Technology (Shenzhen) Co., LTD
Address:	Floor 4, Building A, Shimei Industrial Zone, Jinying New Village, Longhua District, Shenzhen, Guangdong
Product Name:	Tablet
Trademark:	N/A
Model Number:	P4-8, P5, P8, T11, S60, T60, P7
Sample Status:	Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15.247, Subpart C ANSI C63.10-2020	PASS

Prepared by:

Zane Shan

Zane Shan
Engineer

Approved by:

Vita Li
Technical Director

SHENZHEN LGT TEST SERVICE CO., LTD.
LGT
领冠检测

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Revision History

Rev.	Issue Date	Revisions
00	Dec. 15, 2025	Initial Issue

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:
KDB 558074 D01 15.247 Meas Guidance v05r02.

FCC Part 15.247,Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.247 (a)(2)	6dB Bandwidth	PASS	--
15.247 (b)(3)	Output Power	PASS	--
15.209	Radiated Spurious Emission	PASS	--
15.247 (d)	Conducted Spurious & Band Edge Emission	PASS	--
15.247 (e)	Power Spectral Density	PASS	--
15.205	Restricted Band Edge Emission	PASS	--
Part 15.247(d)/ Part 15.209(a)	Band Edge Emission	PASS	--
15.203	Antenna Requirement	PASS	--

NOTE:

(1) 'N/A' denotes test is not applicable in this Test Report.

(2) All tests are according to ANSI C63.10-2020.

1.1 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate:	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± 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** %.

Occupied Channel Bandwidth	±0.46%
RF Output Power, Conducted	±0.71dB
Power Spectral Density, Conducted	±1.57dB
Unwanted Emission, Conducted	±0.63dB
Conducted emission	±2.80dB
All Emissions, Radiated (0.009-30MHz)	±2.16dB
All Emissions, Radiated (30MHz-1GHz)	±4.61dB
All Emissions, Radiated (1GHz-18GHz)	±5.49dB
Temperature	±0.5°C
Humidity	±2%
Duty Cycle	±2.3%

Note: The measurement uncertainty is not included in the test result.

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

<table>
<tr><td>Product Name:</td><td>Tablet</td></tr>
<tr><td>Test Model Number:</td><td>P4-8</td></tr>
<tr><td>Series Number:</td><td>P5, P8, T11, S60, T60, P7</td></tr>
<tr><td>Model Difference:</td><td>The only difference between product models color process. Different model names to meet market demand. Other power supply modes, internal structure, circuit, appearance and key components are the same, and do not affect safety and electromagnetic compatibility performance.</td></tr>
<tr><td>Product Description:</td><td>
<table>
<tr><td>Operation Frequency:</td><td>802.11b/g/n(20MHz): 2412~2462MHz
802.11n(40MHz):2422~2452MHz</td></tr>
<tr><td>Modulation Type:</td><td>802.11b(DSSS):CCK,DQPSK,DBPSK
802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM
802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM</td></tr>
<tr><td>Number of Channel:</td><td>802.11b/g/n(20MHz): 11CH
802.11n(40MHz): 7CH</td></tr>
<tr><td>Antenna Designation:</td><td>FPC Antenna</td></tr>
<tr><td>Antenna Gain(dBi):</td><td>1.45</td></tr>
</table>
</td></tr>
<tr><td>Channel List:</td><td>Please refer to the Note 3.</td></tr>
<tr><td>Adapter:</td><td>Input: 100-240V 50/60Hz 0.7A
Output: 5V 3A, 9V 2A, 12V 1.5A</td></tr>
<tr><td>Battery:</td><td>Capacity: 5000mAh
Rated Voltage: 3.8V</td></tr>
<tr><td>Hardware Version:</td><td>V1.1</td></tr>
<tr><td>Software Version:</td><td>V1.0</td></tr>
<tr><td>Connecting I/O Port(s):</td><td>Please refer to the Note 1.</td></tr>
</table>

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. The antenna information refers to the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

3.

Operation Frequency of channel			
802.11b/g/n(20MHz)		802.11n(40MHz)	
Channel	Frequency	Channel	Frequency
01	2412	03	2422
02	2417	04	2427
03	2422	05	2432
04	2427	06	2437
05	2432	07	2442
06	2437	08	2447
07	2442	09	2452
08	2447		
09	2452		
10	2457		
11	2462		

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

2.4GHz Test Frequency:

For 802.11b/g/n(20MHz)		For 802.11n(40MHz)	
Channel	Freq.(MHz)	Channel	Freq.(MHz)
01	2412	03	2422
06	2437	06	2437
11	2462	09	2452

2.2 DESCRIPTION OF THE TEST MODES

Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11b CH1	1 Mbps
Mode 2	TX IEEE 802.11b CH6	1 Mbps
Mode 3	TX IEEE 802.11 b CH11	1 Mbps
Mode 4	TX IEEE 802.11g CH1	6 Mbps
Mode 5	TX IEEE 802.11g CH6	6 Mbps
Mode 6	TX IEEE 802.11g CH11	6 Mbps
Mode 7	TX IEEE 802.11n HT20 CH1	MCS 0
Mode 8	TX IEEE 802.11n HT20 CH6	MCS 0
Mode 9	TX IEEE 802.11n HT20 CH11	MCS 0
Mode 10	TX IEEE 802.11n HT40 CH3	MCS 0
Mode 11	TX IEEE 802.11n HT40 CH6	MCS 0
Mode 12	TX IEEE 802.11n HT40 CH9	MCS 0

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 13: Keeping TX + WLAN Link

2.3 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: 2.4G WIFI	
CMD Command	Mode Or Modulation type	Power setting
	b	Default
	g	Default
	n20	Default
	n40	Default

2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
Adapter	Shenzhen Fangxin Technology Co., Ltd.	FX201U	N/A	Input: 100-240V 50/60Hz 0.7A Output: 5V 3A, 9V 2A, 12V 1.5A
USB-A to USB-C Cable	N/A	N/A	N/A	1.8m

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	ASUS	UX3407Q	N/A	N/A

Note:

(1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
(2) “YES” is means “with core”; “NO” is means “without core”.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Conducted Emission					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Date**	**Cal. Until**
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
LISN	COM-POWER	LI-115	02032	2025.03.05	2026.03.04
LISN	SCHWARZBECK	NNLK 8122	00160	2025.03.05	2026.03.04
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2025.03.05	2026.03.04
Coaxial cables (9kHz-30MHz)	Juncoax	JMR600 -NMNM-2M	N.A	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

Radiated Test equipment					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Date**	**Cal. Until**
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
Active loop Antenna	ETS	6502	00049544	2025.03.11	2028.03.10
Spectrum Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04
Trilog Broadband Antenna (30M-1G)	SCHWARZBECK	VULB 9168	2705	2024.05.17	2027.05.16
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2025.03.10	2028.03.09
Horn Antenna(18-40G)	SCHWARZBECK	BBHA 9170	685	2023.10.23	2026.10.22
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2025.03.06	2026.03.05
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2025.03.06	2026.03.05
Pre-amplifier(18-40G)	SCHWARZBECK	BBV 9721	9721-019	2025.10.20	2026.10.19
Coaxial cables (9kHz-1GHz)	Juncoax	JMR600 -NMNM-8M	N.A	2025.03.06	2026.03.05
Coaxial cables (1GHz-18GHz)	TaiHe	UCD460B -NMSM-1M9	N.A	2025.03.06	2026.03.05
Coaxial cables (18GHz-40GHz)	Junkosha Inc.	MWX241 -05000KMSKMS	N.A	2025.03.08	2026.03.07
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2025.07.30	2026.07.29
Antenna Tower	SAEMC	BK-4AT-BS-D	SK2021093008	N.A	N.A
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

RF Conducted Test equipment					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Date**	**Cal. Until**
Signal Analyzer	Keysight	N9020A	MY50530994	2025.03.05	2026.03.04
Power Sensor	R&S	NRP8S	104963	2025.03.06	2026.03.05
RF Automatic Test system	TST	TST PASS	293	2025.07.15	2026.07.14
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2025.07.30	2026.07.29
Attenuator	eastsheep	90db	N.A	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Digital multimeter	MASTECH	MS8261	MBGBC83053	2025.03.05	2026.03.04
DC source	Keysight	E3634A	MY58036468	2025.03.06	2026.03.05
Testing Software	TST Pass_2.0.2				

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Conducted Emissionlimit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

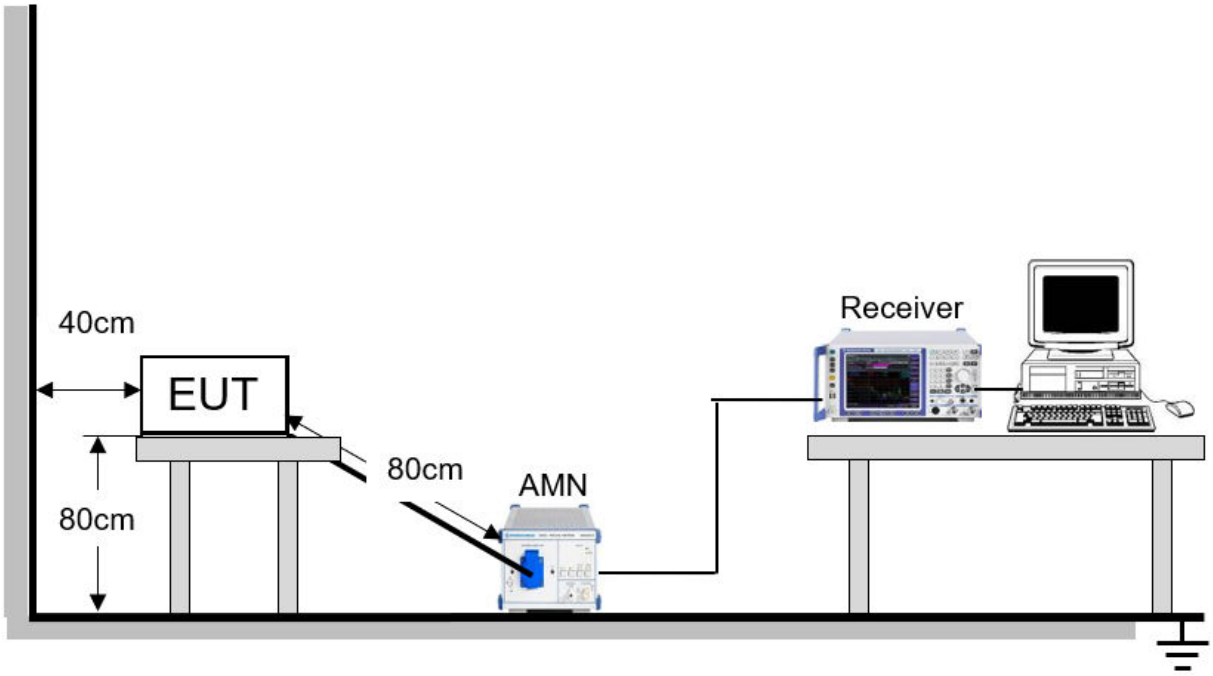
The following table is the setting of the receiver

Receiver Parameters	**Setting**
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

a. The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN is at least 80 cm from the nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



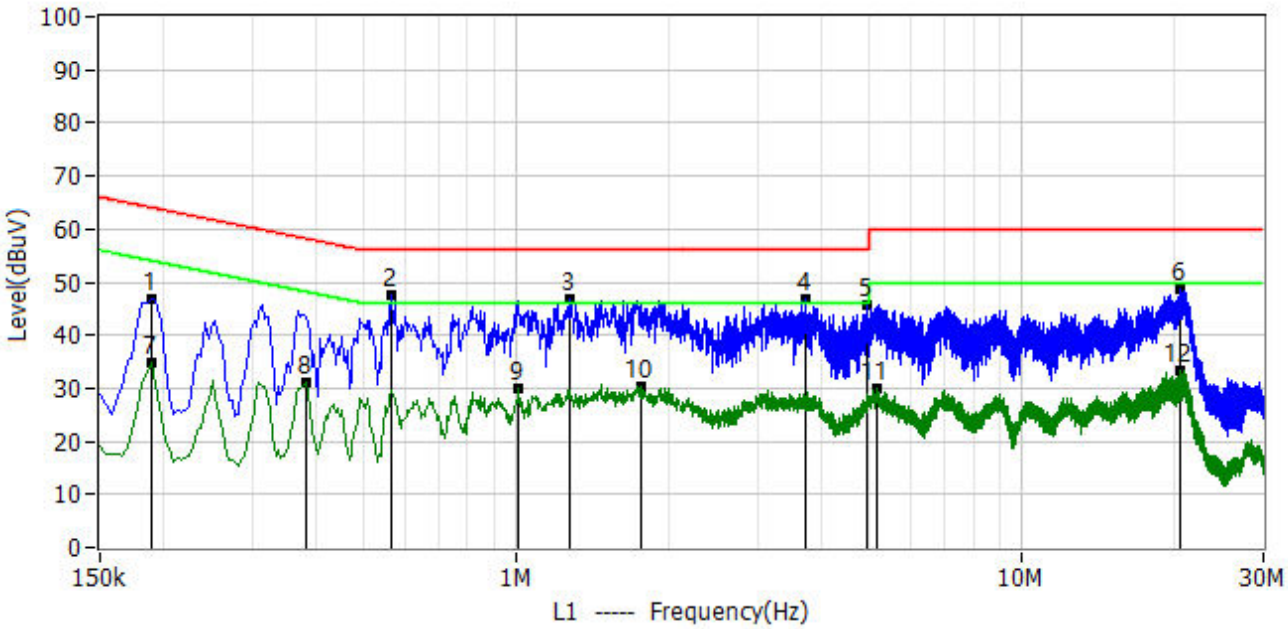
3.1.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.1.5 TEST RESULT

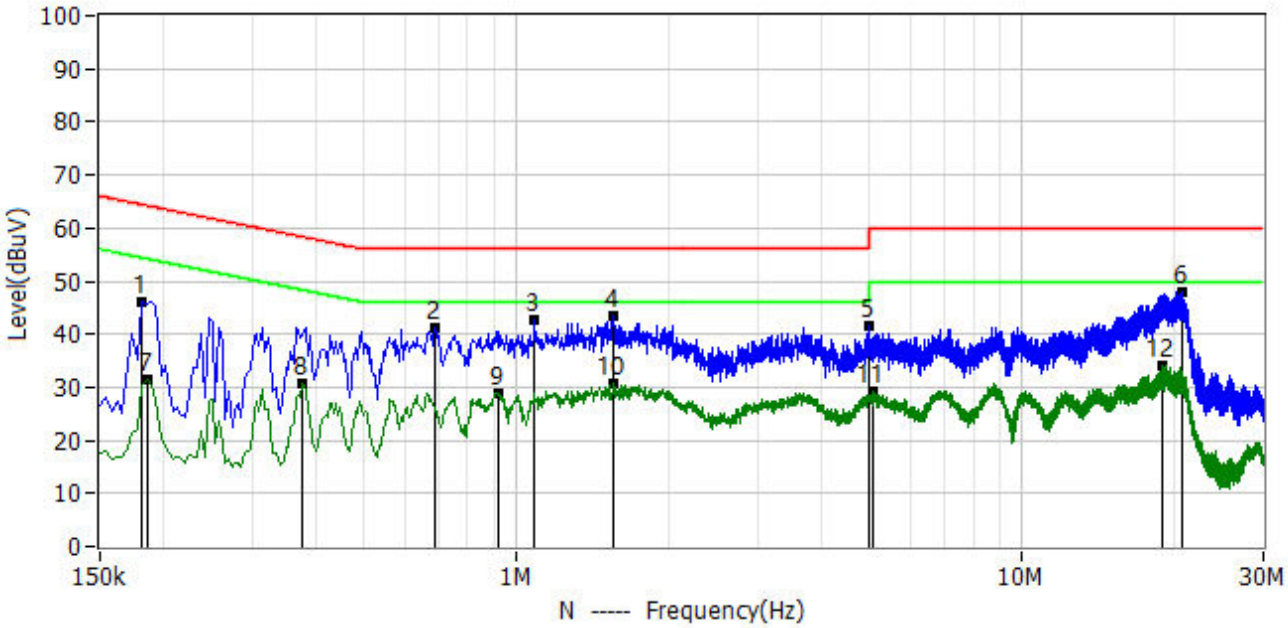
Note: Level = Reading + Factor
Margin = Level – Limit

Project: LGT25L082	Test Engineer: LiuH
EUT: Tablet	Temperature: 24.3℃
M/N: P4-8	Humidity: 52%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-12-05
Test Mode: TX 802.11b 2412	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.190	36.05	10.69	46.74	64.04	-17.30	QP	L1
2*	0.566	36.69	10.94	47.63	56.00	-8.37	QP	L1
3*	1.278	35.80	11.05	46.85	56.00	-9.15	QP	L1
4*	3.730	35.40	11.25	46.65	56.00	-9.35	QP	L1
5*	4.942	34.40	11.33	45.73	56.00	-10.27	QP	L1
6*	20.594	36.79	11.84	48.63	60.00	-11.37	QP	L1
7*	0.190	24.15	10.69	34.84	54.04	-19.20	AV	L1
8*	0.382	20.33	10.88	31.21	48.24	-17.03	AV	L1
9*	1.010	19.26	10.84	30.10	46.00	-15.90	AV	L1
10*	1.758	19.35	11.12	30.47	46.00	-15.53	AV	L1
11*	5.154	18.51	11.34	29.85	50.00	-20.15	AV	L1
12*	20.562	21.66	11.84	33.50	50.00	-16.50	AV	L1

Project: LGT25L082	Test Engineer: LiuH
EUT: Tablet	Temperature: 24.3℃
M/N: P4-8	Humidity: 52%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-12-05
Test Mode: TX 802.11b 2412	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.182	35.39	10.65	46.04	64.39	-18.35	QP	N
2*	0.690	30.30	10.85	41.15	56.00	-14.85	QP	N
3*	1.086	31.72	10.88	42.60	56.00	-13.40	QP	N
4*	1.558	32.17	11.10	43.27	56.00	-12.73	QP	N
5*	4.978	30.27	11.31	41.58	56.00	-14.42	QP	N
6*	20.662	36.21	11.79	48.00	60.00	-12.00	QP	N
7*	0.186	20.65	10.66	31.31	54.21	-22.90	AV	N
8*	0.378	20.04	10.82	30.86	48.32	-17.46	AV	N
9*	0.922	18.15	10.84	28.99	46.00	-17.01	AV	N
10*	1.558	19.46	11.10	30.56	46.00	-15.44	AV	N
11*	5.054	17.80	11.31	29.11	50.00	-20.89	AV	N
12*	18.950	22.34	11.76	34.10	50.00	-15.90	AV	N

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2020 below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies (MHz)	Field Strength (micorvolts/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

LIMITS OF RADIATED EMISSION MEASUREMENT (1000MHz-25GHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP/AV
Start Frequency	9 KHz/150KHz(Peak/QP/AV)
Stop Frequency	150KHz/30MHz(Peak/QP/AV)
RB / VB (emission in restricted band)	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz); 200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP
Start Frequency	30 MHz(Peak/QP)
Stop Frequency	1000 MHz (Peak/QP)
RB / VB (emission in restricted band)	120 KHz / 300 KHz

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier hamonic(Peak/AV)
RB / VB (emission in restricted band)	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)

For Restricted band

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 2310 to 2430 MHz Upper Band Edge: 2445 to 2500 MHz
RB / VB	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)

Receiver Parameter	**Setting**
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

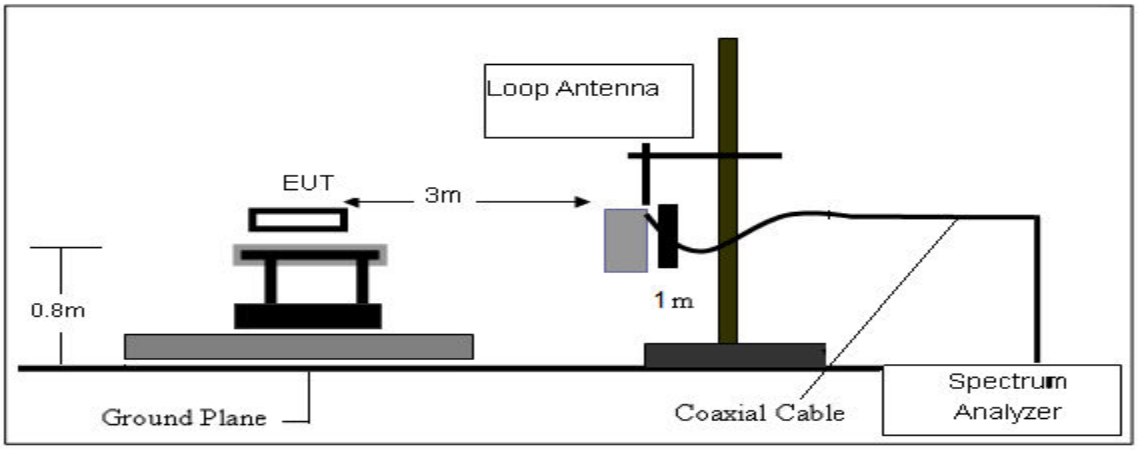
a. The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
b. The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
c. The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and QuasiPeak detector mode will be re-measured.
e. If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

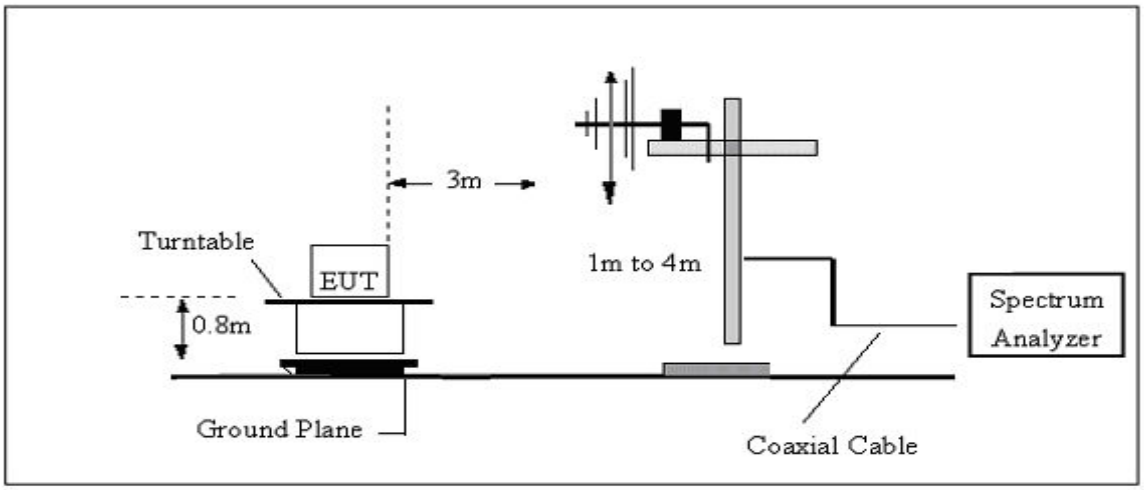
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.3 TEST SETUP

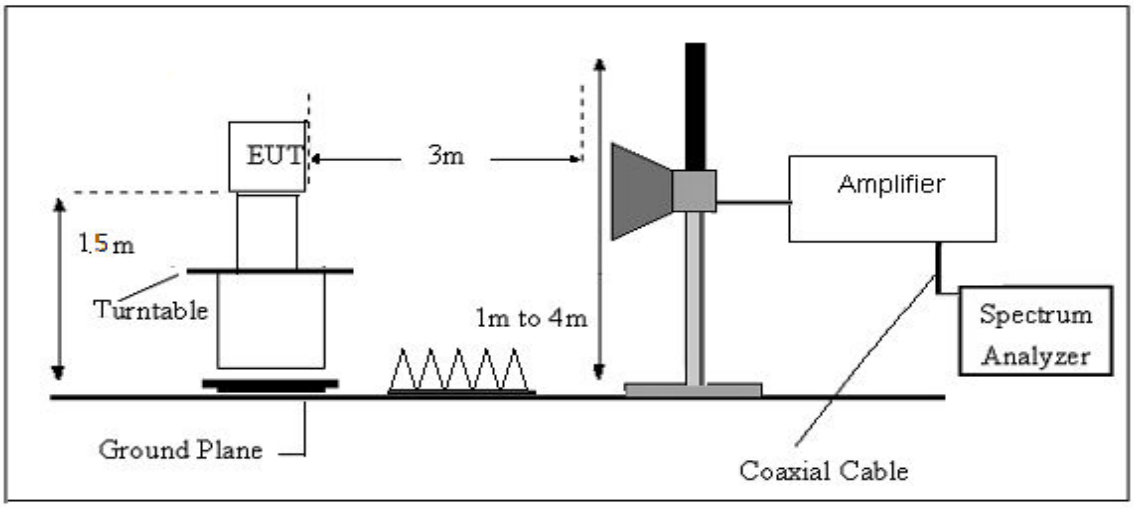
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.4 EUT OPERATING CONDITIONS

Please refer to section 3.1.4 of this report.

3.2.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting theAmplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

Factor=AF+CL-AG

3.2.6 TEST RESULT

Results of Radiated Emissions (9 KHz~30MHz)

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Remark
1*	-	-	-	-	-	-	-	See Note

Note:

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

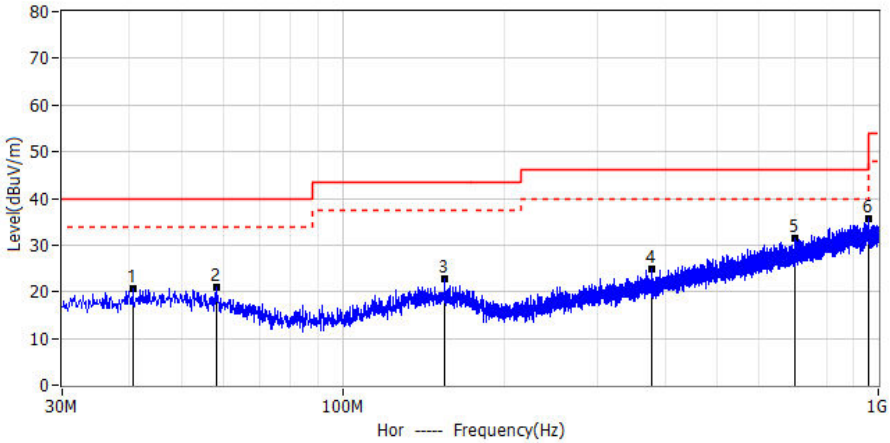
Results of Radiated Emissions (30MHz~1000MHz)

Note:1. All mode has been tested, only shown the worst case data.

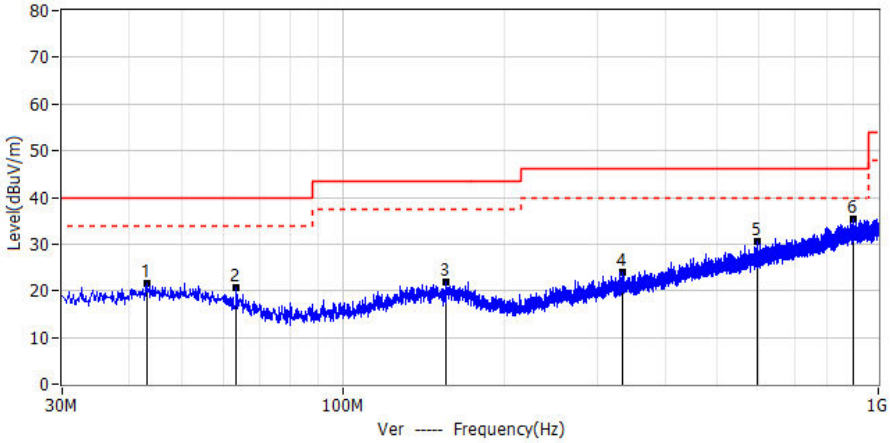
2. Level = Reading + Factor

Margin = Level – Limit

Project: LGT25L082	Test Engineer: zhangchengxiang
EUT: Tablet	Temperature: 23.2℃
M/N: P4-8	Humidity: 52%RH
Test Voltage: Battery	Test Data: 2025-12-05
Test Mode: TX 802.11b 2412	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	40.670	35.99	-15.28	20.71	40.00	-19.29	QP	Hor
2*	58.130	36.71	-15.64	21.07	40.00	-18.93	QP	Hor
3*	155.251	35.68	-13.05	22.63	43.50	-20.87	QP	Hor
4*	377.139	35.78	-11.02	24.76	46.00	-21.24	QP	Hor
5*	698.573	34.92	-3.53	31.39	46.00	-14.61	QP	Hor
6*	960.594	34.98	0.73	35.71	54.00	-18.29	QP	Hor



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	43.216	36.20	-14.71	21.49	40.00	-18.51	QP	Ver
2*	63.344	37.16	-16.37	20.79	40.00	-19.21	QP	Ver
3*	156.464	34.60	-12.65	21.95	43.50	-21.55	QP	Ver
4*	333.004	36.20	-12.21	23.99	46.00	-22.01	QP	Ver
5*	593.691	36.17	-5.61	30.56	46.00	-15.44	QP	Ver
6*	896.695	35.17	0.12	35.29	46.00	-10.71	QP	Ver

Results of Radiated Emissions (Above 1000MHz)
Note:1. All mode has been tested, only shown the worst case data.

Frequency (MHz)	Reading (dBμV)	Corrected Factor (dB）	Result (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector	Polarity
Low Channel (802.11b-2412 MHz)							
3264.75	55.67	-8.45	47.22	74.00	-26.78	PK	Vertical
3264.75	46.96	-8.45	38.51	54.00	-15.49	AV	Vertical
3264.66	55.77	-8.45	47.32	74.00	-26.68	PK	Horizontal
3264.66	46.84	-8.45	38.39	54.00	-15.61	AV	Horizontal
4824.37	54.95	-6.09	48.86	74.00	-25.14	PK	Vertical
4824.37	44.60	-6.09	38.51	54.00	-15.49	AV	Vertical
4824.47	55.23	-6.09	49.14	74.00	-24.86	PK	Horizontal
4824.47	45.36	-6.09	39.27	54.00	-14.73	AV	Horizontal
5359.71	57.36	-6.68	50.68	74.00	-23.32	PK	Vertical
5359.71	47.93	-6.68	41.25	54.00	-12.75	AV	Vertical
5359.84	57.39	-6.68	50.71	74.00	-23.29	PK	Horizontal
5359.84	47.59	-6.68	40.91	54.00	-13.09	AV	Horizontal
7235.77	60.23	-8.13	52.10	74.00	-21.90	PK	Vertical
7235.77	49.70	-8.13	41.57	54.00	-12.43	AV	Vertical
7235.69	59.97	-8.13	51.84	74.00	-22.16	PK	Horizontal
7235.78	50.57	-8.13	42.44	54.00	-11.56	AV	Vertical
Middle Channel (802.11b-2437 MHz)							
3264.89	56.19	-8.45	47.74	74.00	-26.26	PK	Vertical
3264.89	45.34	-8.45	36.89	54.00	-17.11	AV	Vertical
3264.58	55.54	-8.45	47.09	74.00	-26.91	PK	Horizontal
3264.58	45.53	-8.45	37.08	54.00	-16.92	AV	Horizontal
4824.30	54.15	-6.09	48.06	74.00	-25.94	PK	Vertical
4824.30	45.29	-6.09	39.20	54.00	-14.80	AV	Vertical
4824.57	54.32	-6.09	48.23	74.00	-25.77	PK	Horizontal
4824.57	44.64	-6.09	38.55	54.00	-15.45	AV	Horizontal
5359.85	56.92	-6.68	50.24	74.00	-23.76	PK	Vertical
5359.85	46.98	-6.68	40.30	54.00	-13.70	AV	Vertical
5359.69	57.13	-6.68	50.45	74.00	-23.55	PK	Horizontal
5359.69	46.95	-6.68	40.27	54.00	-13.73	AV	Horizontal
7235.82	59.73	-8.13	51.60	74.00	-22.40	PK	Vertical
7235.82	50.75	-8.13	42.62	54.00	-11.38	AV	Vertical
7235.88	59.82	-8.13	51.69	74.00	-22.31	PK	Horizontal
7235.73	50.83	-8.13	42.70	54.00	-11.30	AV	Horizontal
High Channel (802.11b-2462 MHz)							

3264.75	56.23	-8.45	47.78	74.00	-26.22	PK	Vertical
3264.75	46.27	-8.45	37.82	54.00	-16.18	AV	Vertical
3264.80	55.62	-8.45	47.17	74.00	-26.83	PK	Horizontal
3264.80	45.99	-8.45	37.54	54.00	-16.46	AV	Horizontal
4924.31	55.16	-6.09	49.07	74.00	-24.93	PK	Vertical
4924.31	44.39	-6.09	38.30	54.00	-15.70	AV	Vertical
4924.39	54.01	-6.09	47.92	74.00	-26.08	PK	Horizontal
4924.39	45.19	-6.09	39.10	54.00	-14.90	AV	Horizontal
5359.65	56.90	-6.68	50.22	74.00	-23.78	PK	Vertical
5359.65	47.06	-6.68	40.38	54.00	-13.62	AV	Vertical
5359.73	57.93	-6.68	51.25	74.00	-22.75	PK	Horizontal
5359.73	47.93	-6.68	41.25	54.00	-12.75	AV	Horizontal
7385.87	59.93	-8.13	51.80	74.00	-22.20	PK	Vertical
7385.87	49.54	-8.13	41.41	54.00	-12.59	AV	Vertical
7385.73	59.65	-8.13	51.52	74.00	-22.48	PK	Horizontal
7385.73	49.70	-8.13	41.57	54.00	-12.43	AV	Horizontal

Remark:
In frequency ranges 18~25GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.

3.2.7 TEST RESULTS(Band edge Requirements)

Note:1. All mode has been tested, only shown the worst case data.

Frequency (MHz)	Reading (dBμV)	Corrected Factor (dB）	Result (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector	Polarity
802.11b							
2390.00	12.85	34.10	46.95	74.00	-27.05	PK	Vertical
2390.00	1.11	34.10	35.21	54.00	-18.79	AV	Vertical
2400.00	14.19	34.11	48.30	74.00	-25.70	PK	Vertical
2400.00	1.66	34.11	35.77	54.00	-18.23	AV	Vertical
2390.00	13.49	34.10	47.59	74.00	-26.41	PK	Horizontal
2390.00	1.78	34.10	35.88	54.00	-18.12	AV	Horizontal
2400.00	13.90	34.11	48.01	74.00	-25.99	PK	Horizontal
2400.00	2.61	34.11	36.72	54.00	-17.28	AV	Horizontal
2483.50	15.46	34.44	49.90	74.00	-24.10	PK	Vertical
2483.50	3.11	34.44	37.55	54.00	-16.45	AV	Vertical
2500.00	15.60	34.46	50.06	74.00	-23.94	PK	Vertical
2500.00	2.41	34.46	36.87	54.00	-17.13	AV	Vertical
2483.50	14.69	34.44	49.13	74.00	-24.87	PK	Horizontal
2483.50	2.18	34.44	36.62	54.00	-17.38	AV	Horizontal
2500.00	14.67	34.46	49.13	74.00	-24.87	PK	Horizontal
2500.00	3.10	34.46	37.56	54.00	-16.44	AV	Horizontal
802.11g							
2390.00	12.94	34.10	47.04	74.00	-26.96	PK	Vertical
2390.00	2.33	34.10	36.43	54.00	-17.57	AV	Vertical
2400.00	14.06	34.11	48.17	74.00	-25.83	PK	Vertical
2400.00	2.14	34.11	36.25	54.00	-17.75	AV	Vertical
2390.00	13.24	34.10	47.34	74.00	-26.66	PK	Horizontal
2390.00	1.99	34.10	36.09	54.00	-17.91	AV	Horizontal
2400.00	14.00	34.11	48.11	74.00	-25.89	PK	Horizontal
2400.00	2.59	34.11	36.70	54.00	-17.30	AV	Horizontal
2483.50	14.87	34.44	49.31	74.00	-24.69	PK	Vertical
2483.50	2.97	34.44	37.41	54.00	-16.59	AV	Vertical
2500.00	14.61	34.46	49.07	74.00	-24.93	PK	Vertical
2500.00	3.00	34.46	37.46	54.00	-16.54	AV	Vertical
2483.50	14.87	34.44	49.31	74.00	-24.69	PK	Horizontal
2483.50	2.79	34.44	37.23	54.00	-16.77	AV	Horizontal
2500.00	15.23	34.46	49.69	74.00	-24.31	PK	Horizontal

2500.00	3.12	34.46	37.58	54.00	-16.42	AV	Horizontal
802.11n20							
2390.00	13.39	34.10	47.49	74.00	-26.51	PK	Vertical
2390.00	1.68	34.10	35.78	54.00	-18.22	AV	Vertical
2400.00	13.99	34.11	48.10	74.00	-25.90	PK	Vertical
2400.00	1.33	34.11	35.44	54.00	-18.56	AV	Vertical
2390.00	13.33	34.10	47.43	74.00	-26.57	PK	Horizontal
2390.00	1.82	34.10	35.92	54.00	-18.08	AV	Horizontal
2400.00	13.21	34.11	47.32	74.00	-26.68	PK	Horizontal
2400.00	2.75	34.11	36.86	54.00	-17.14	AV	Horizontal
2483.50	15.35	34.44	49.79	74.00	-24.21	PK	Vertical
2483.50	2.18	34.44	36.62	54.00	-17.38	AV	Vertical
2500.00	14.79	34.46	49.25	74.00	-24.75	PK	Vertical
2500.00	3.58	34.46	38.04	54.00	-15.96	AV	Vertical
2483.50	13.88	34.44	48.32	74.00	-25.68	PK	Horizontal
2483.50	2.17	34.44	36.61	54.00	-17.39	AV	Horizontal
2500.00	15.77	34.46	50.23	74.00	-23.77	PK	Horizontal
2500.00	3.11	34.46	37.57	54.00	-16.43	AV	Horizontal
802.11n40							
2390.00	13.33	34.10	47.43	74.00	-26.57	PK	Vertical
2390.00	1.34	34.10	35.44	54.00	-18.56	AV	Vertical
2400.00	14.00	34.11	48.11	74.00	-25.89	PK	Vertical
2400.00	2.46	34.11	36.57	54.00	-17.43	AV	Vertical
2390.00	13.02	34.10	47.12	74.00	-26.88	PK	Horizontal
2390.00	0.58	34.10	34.68	54.00	-19.32	AV	Horizontal
2400.00	14.26	34.11	48.37	74.00	-25.63	PK	Horizontal
2400.00	2.42	34.11	36.53	54.00	-17.47	AV	Horizontal
2483.50	14.41	34.44	48.85	74.00	-25.15	PK	Vertical
2483.50	1.75	34.44	36.19	54.00	-17.81	AV	Vertical
2500.00	14.61	34.46	49.07	74.00	-24.93	PK	Vertical
2500.00	3.62	34.46	38.08	54.00	-15.92	AV	Vertical
2483.50	14.42	34.44	48.86	74.00	-25.14	PK	Horizontal
2483.50	2.19	34.44	36.63	54.00	-17.37	AV	Horizontal
2500.00	14.56	34.46	49.02	74.00	-24.98	PK	Horizontal
2500.00	3.18	34.46	37.64	54.00	-16.36	AV	Horizontal
Low measurement frequencies is range from 2310 to 2422 MHz, high measurement frequencies is range from 2452 to 2500 MHz.							

4. CONDUCTED SPURIOUS & BAND EDGE EMISSION

4.1 LIMIT

According to FCC section 15.247(d), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

4.2 TEST PROCEDURE

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	30 MHz to 10th carrier harmonic
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

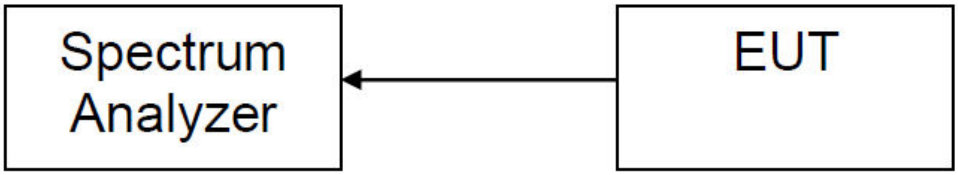
For Band edge

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 2300 to 2432 MHz Upper Band Edge: 2442 to 2500 MHz
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

4.3 DEVIATION FROM STANDARD

No deviation.

4.4 TEST SETUP



The EUT is connected to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.
Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

4.5 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

4.6 TEST RESULTS

For the measurement records, refer to the appendix I.

Note: Not recorded emission from 9 KHz to 30 MHz as emission level at least 20dBc lower than emission limit.

5. POWER SPECTRAL DENSITY TEST

5.1 LIMIT

FCC Part15.247 , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	≤8 dBm (RBW ≥3KHz)	2400-2483.5	PASS

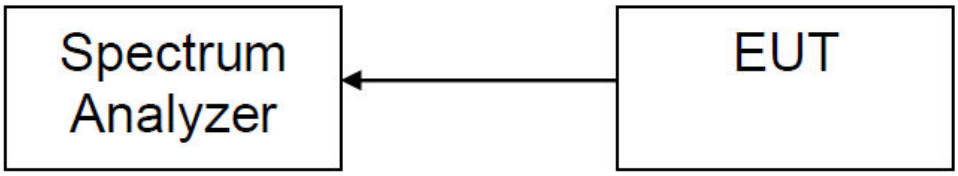
5.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the 100 kHz ≥ RBW ≥3 kHz.
4. Set the VBW ≥ 3 x RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

5.6 TEST RESULTS

For the measurement records, refer to the appendix I.

6. BANDWIDTH TEST

6.1 LIMIT

FCC Part15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	≥500KHz (6dB bandwidth)	2400-2483.5	PASS

6.2 TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

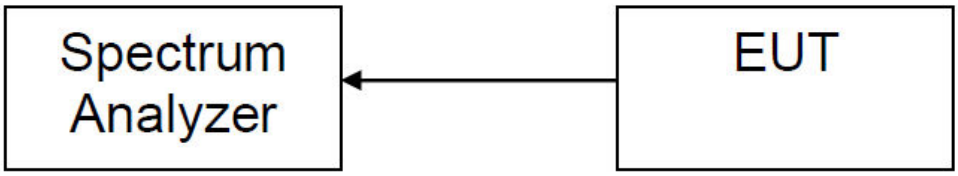
Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth:1% to 5% of the OBW but not less than 100 kHz For 99% Bandwidth:1% to 5% of the OBW
VBW	For 6 dB Bandwidth: ≥3 × RBW For 99% Bandwidth: ≥3 × RBW
Trace	Max hold
Sweep	Auto

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB and 99% relative to the maximum level measured in the fundamental emission.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

6.6 TEST RESULTS

For the measurement records, refer to the appendix I.

7. PEAK OUTPUT POWER TEST

7.1 LIMIT

FCC Part15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2 TEST PROCEDURE

One of the following procedures may be used to determine the maximum peak conducted output power of a DTS EUT.

RBW ≥ DTS bandwidth

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

a) Set the RBW ≥ DTS bandwidth.
b) Set VBW ≥ [3 × RBW].
c) Set span ≥ [3 × RBW].
d) Sweep time = auto couple.
e) Detector = peak.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use peak marker function to determine the peak amplitude level.

Integrated band power method:

The following procedure can be used when the maximum available RBW of the instrument is less than the

DTS bandwidth:

a) Set the RBW = 1 MHz.
b) Set the VBW ≥ [3 × RBW].
c) Set the span ≥ [1.5 × DTS bandwidth].
d) Detector = peak.
e) Sweep time = auto couple.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

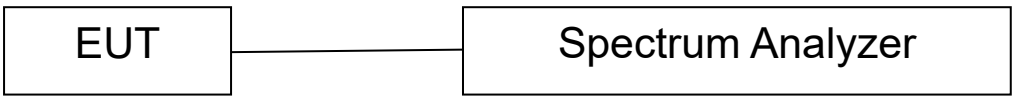
PKPM1 Peak power sensor method:

The maximum peak conducted output power may be measured using a broadband peak RF power sensor. The power sensor shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

7.6 TEST RESULTS

For the measurement records, refer to the appendix I.

8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible partyshall be used with the device.

8.2 EUT ANTENNA

The EUT antenna is FPC Antenna. It comply with the standard requirement.

APPENDIX I - TEST RESULTS

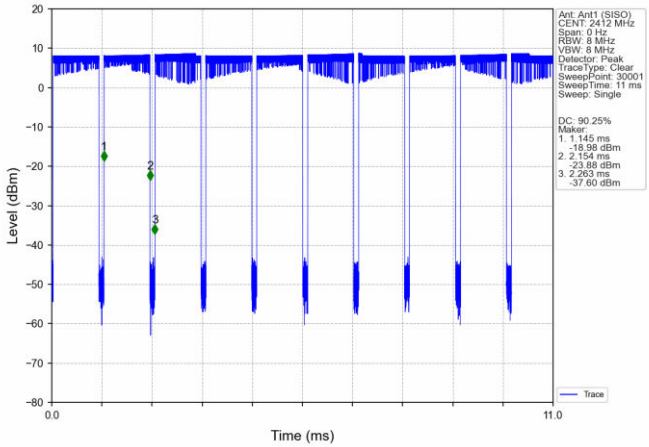
1. Duty Cycle
1.1 Test Result
1.1.1 Ant1

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	1.009	1.118	90.25	0.45	0.09
		2437	1.009	1.118	90.25	0.45	0.09
		2462	1.009	1.118	90.25	0.45	0.09
802.11g	SISO	2412	0.618	0.682	90.62	0.43	0.16
		2437	0.618	0.682	90.62	0.43	0.16
		2462	0.618	0.682	90.62	0.43	0.16
802.11n (HT20)	SISO	2412	0.614	0.679	90.43	0.44	0.16
		2437	0.614	0.679	90.43	0.44	0.16
		2462	0.614	0.679	90.43	0.44	0.16
802.11n (HT40)	SISO	2422	0.613	0.678	90.41	0.44	0.16
		2437	0.614	0.678	90.56	0.43	0.16
		2452	0.613	0.678	90.41	0.44	0.15

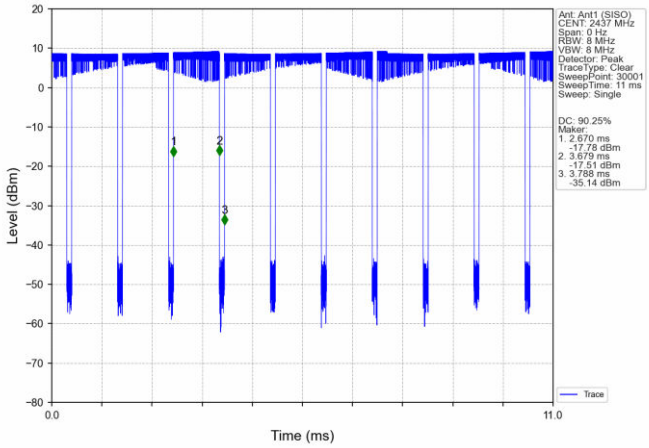
1.2 Test Graph

1.2.1 Ant1

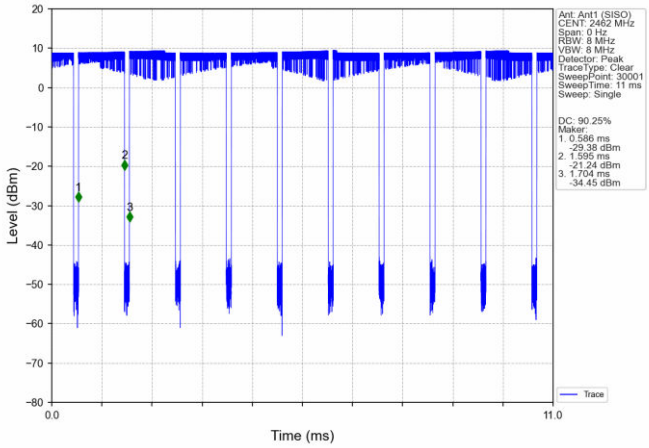
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



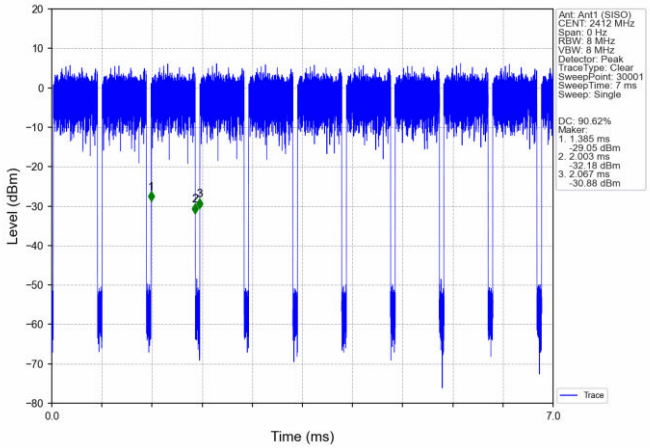
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



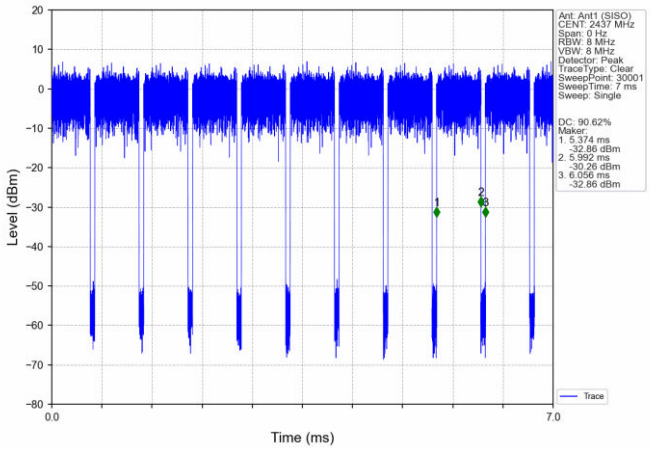
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



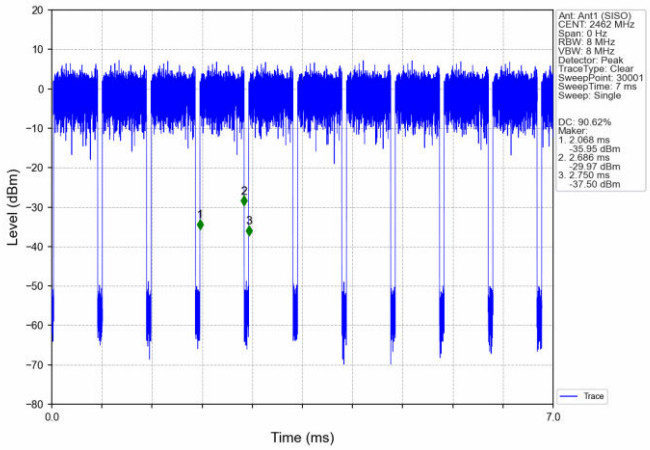
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



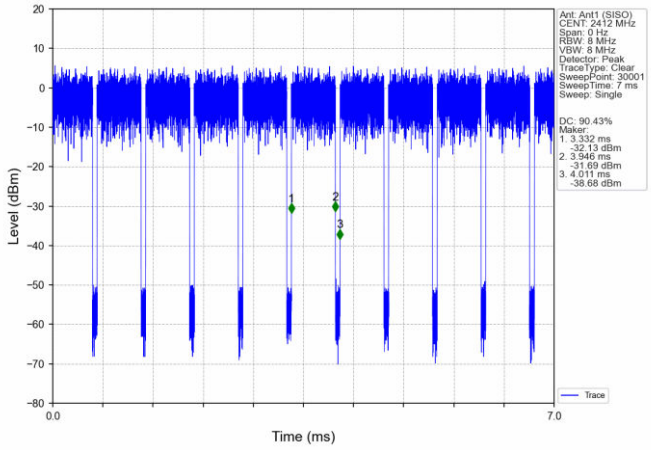
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



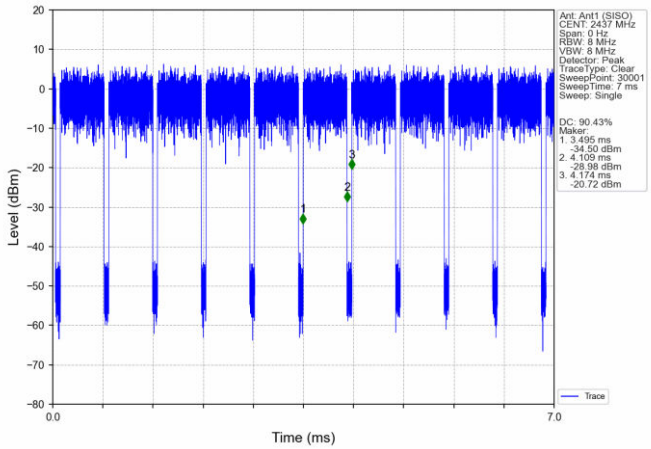
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



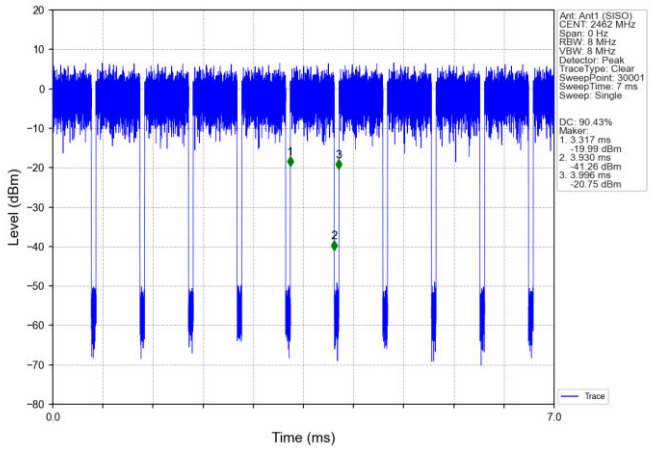
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



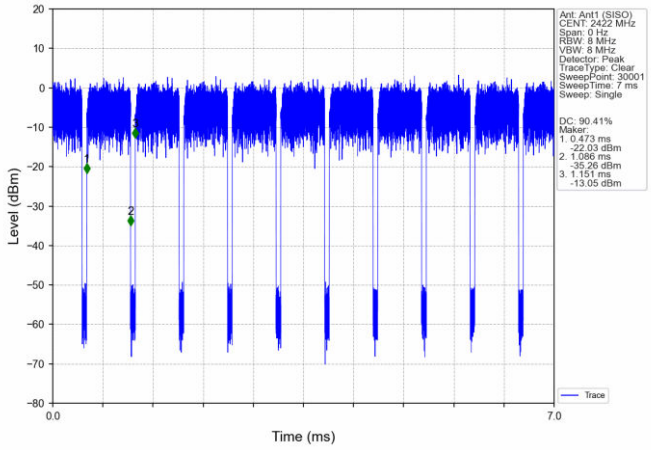
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



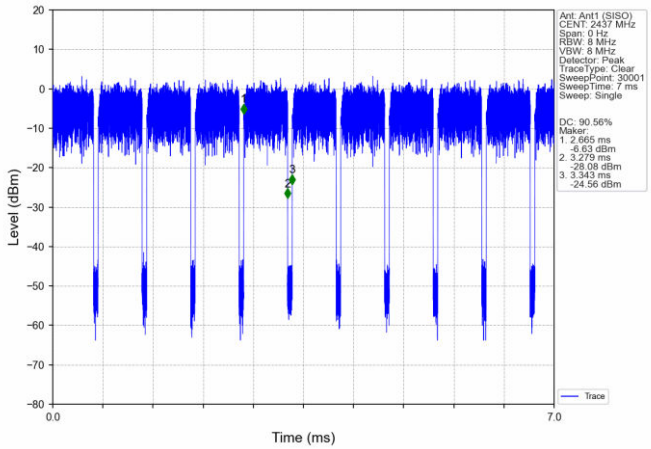
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



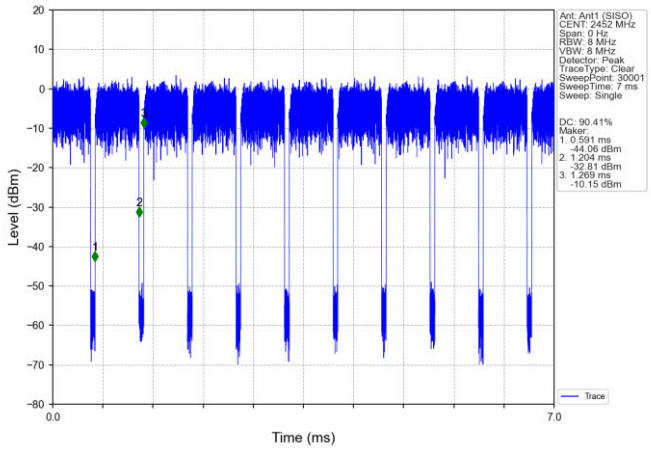
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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	13.223	/	Pass
		2437	1	13.199	/	Pass
		2462	1	13.215	/	Pass
802.11g	SISO	2412	1	18.645	/	Pass
		2437	1	18.702	/	Pass
		2462	1	18.652	/	Pass
802.11n (HT20)	SISO	2412	1	19.389	/	Pass
		2437	1	19.376	/	Pass
		2462	1	19.405	/	Pass
802.11n (HT40)	SISO	2422	1	38.822	/	Pass
		2437	1	38.740	/	Pass
		2452	1	38.741	/	Pass

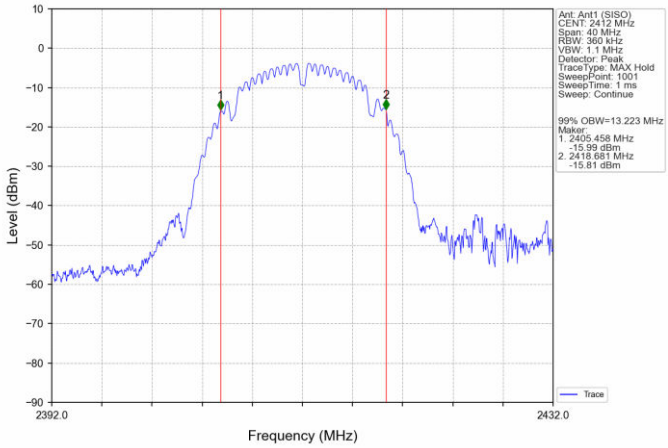
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.089	>=0.5	Pass
		2437	1	10.126	>=0.5	Pass
		2462	1	10.127	>=0.5	Pass
802.11g	SISO	2412	1	17.194	>=0.5	Pass
		2437	1	17.102	>=0.5	Pass
		2462	1	17.070	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	18.180	>=0.5	Pass
		2437	1	18.226	>=0.5	Pass
		2462	1	18.272	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	36.713	>=0.5	Pass
		2437	1	36.771	>=0.5	Pass
		2452	1	36.831	>=0.5	Pass

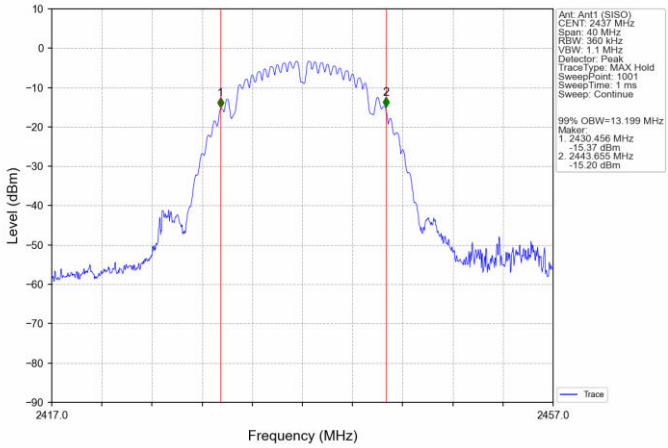
2.2 Test Graph

2.2.1 OBW

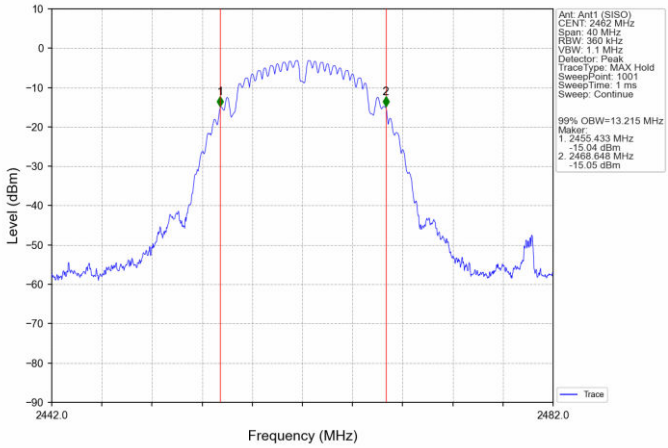
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



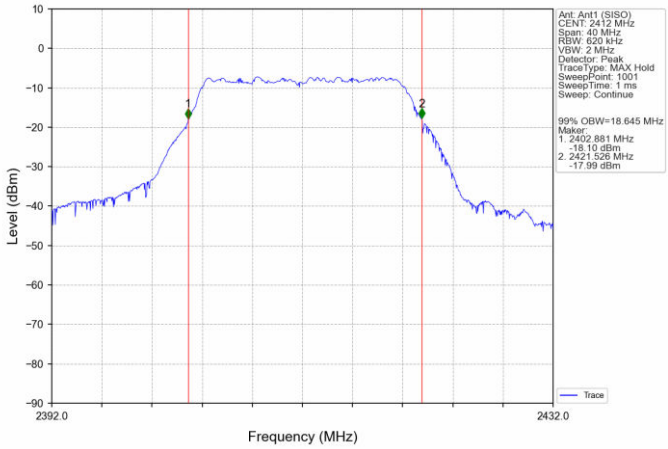
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



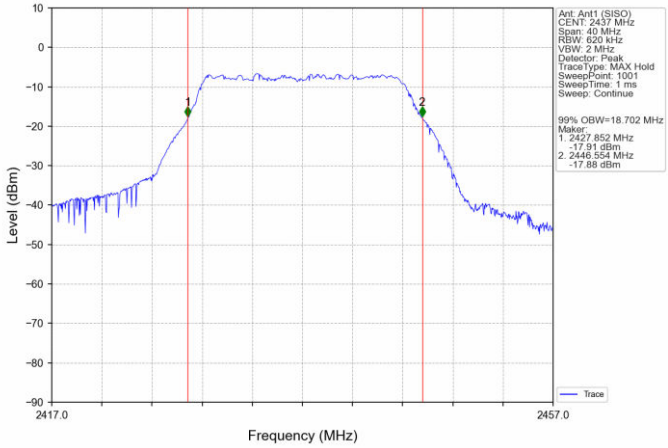
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



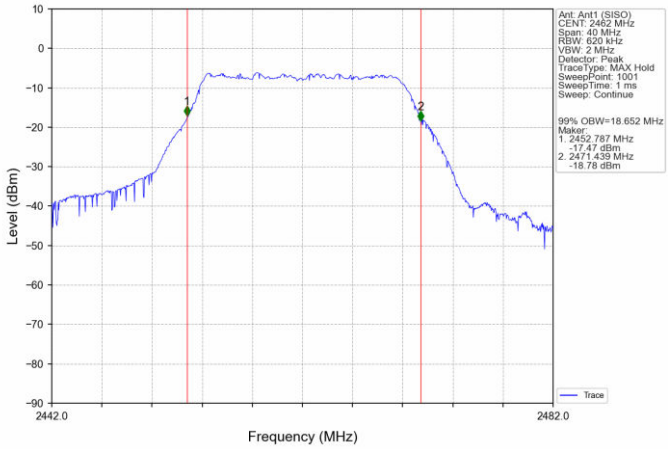
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



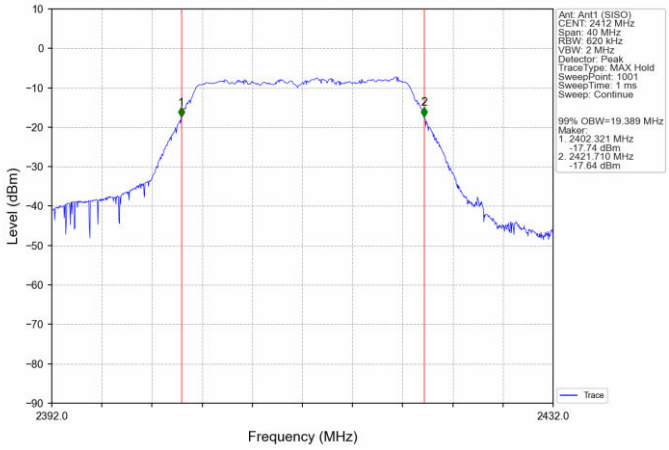
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



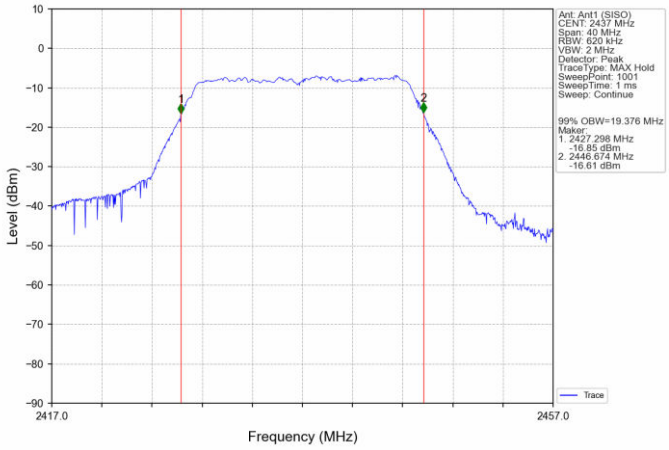
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



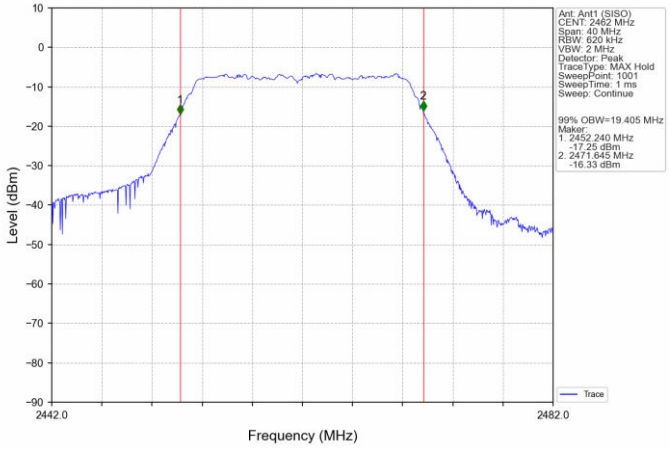
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



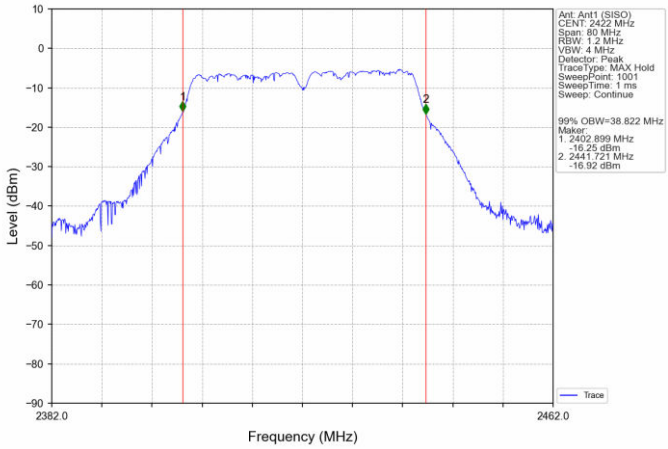
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



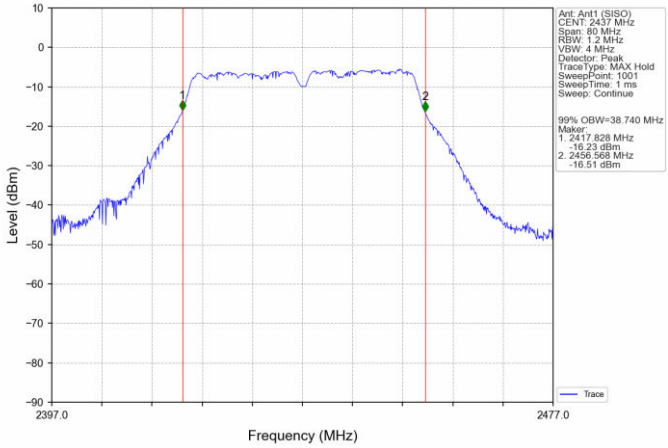
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



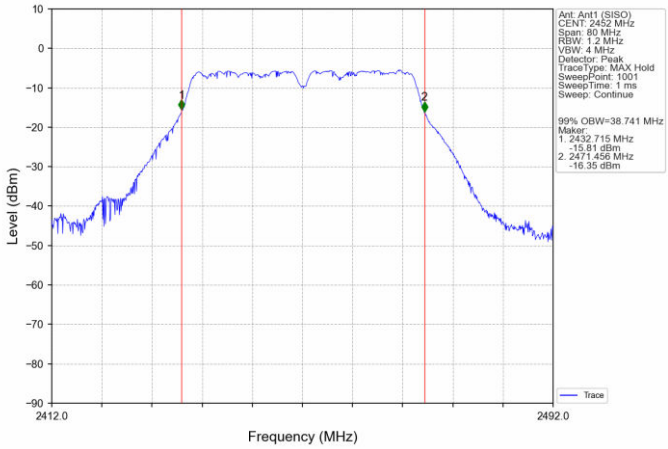
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

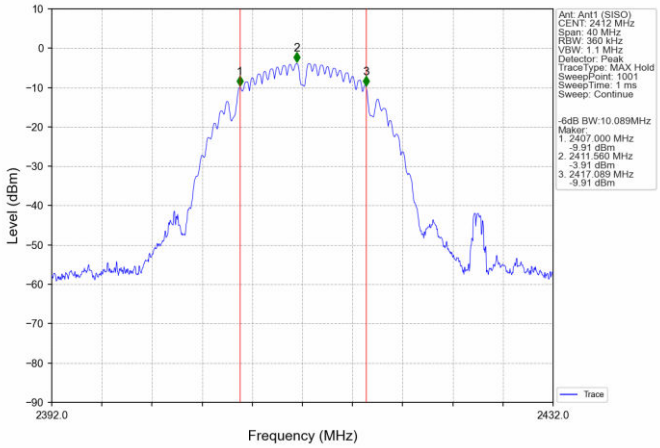


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

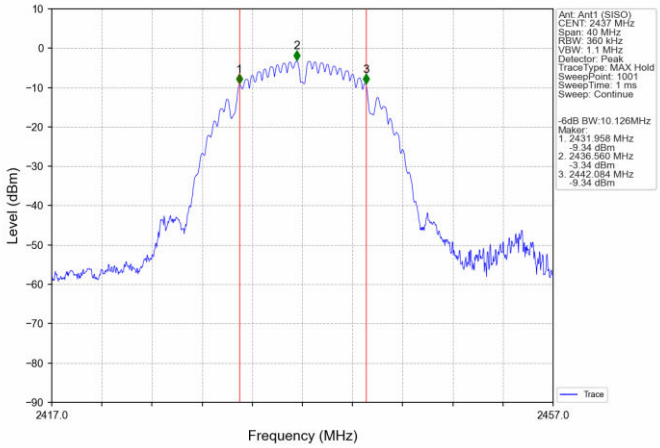


2.2.2 6dB BW

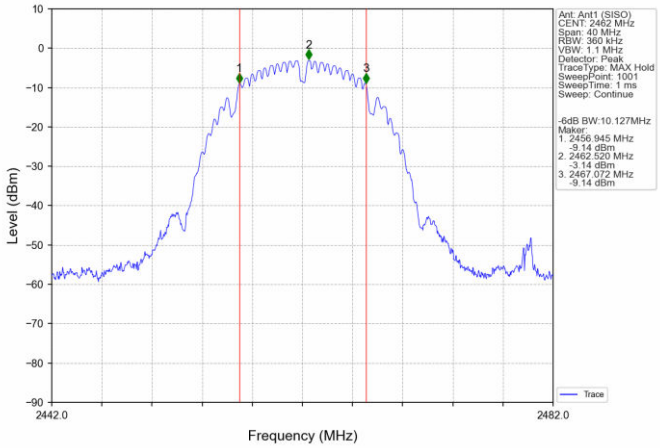
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



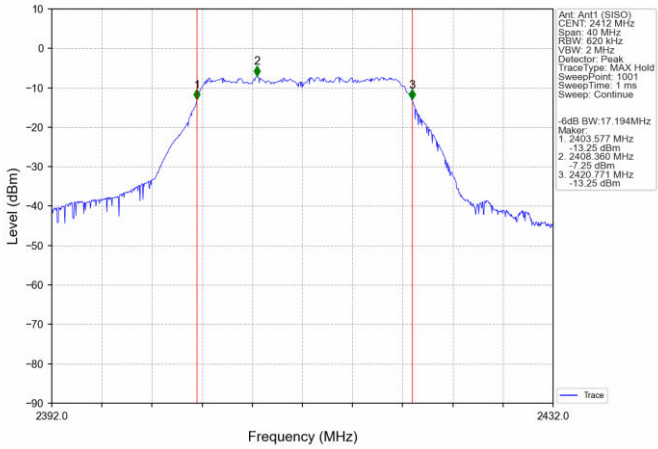
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



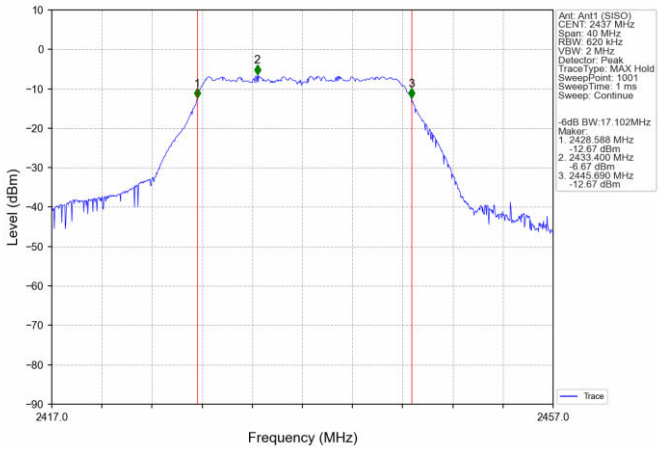
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



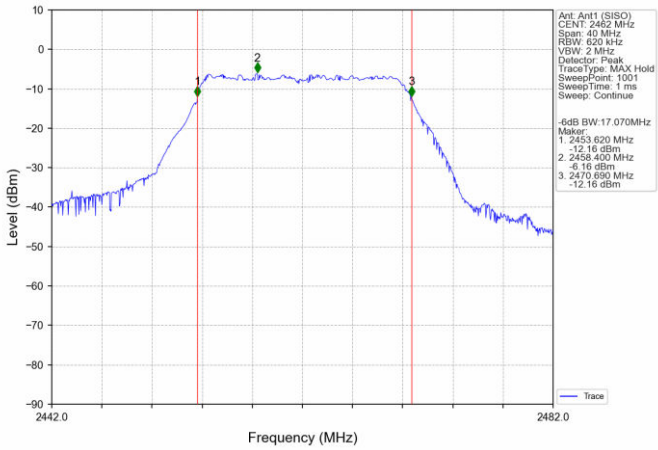
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



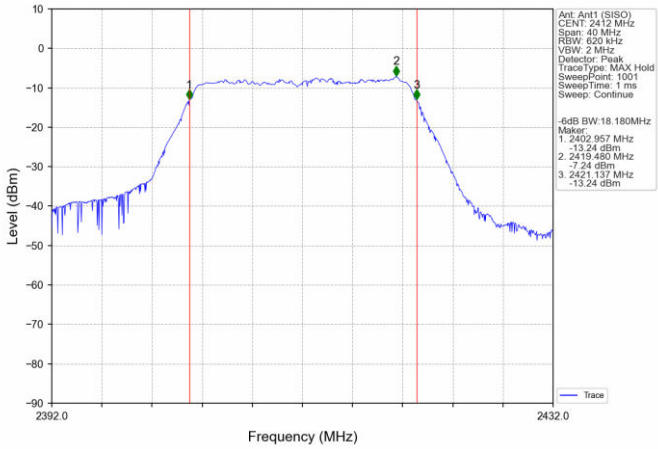
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



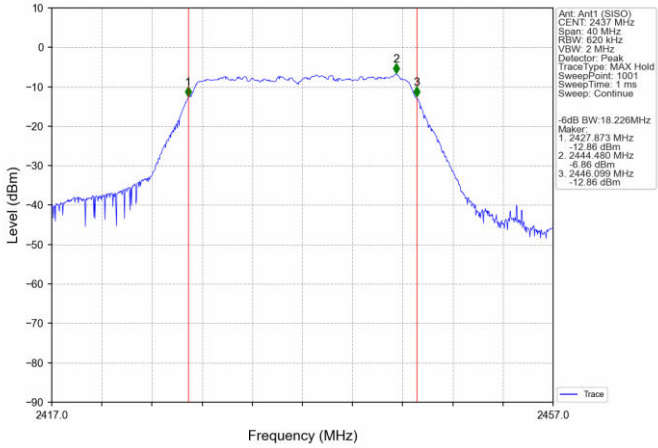
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



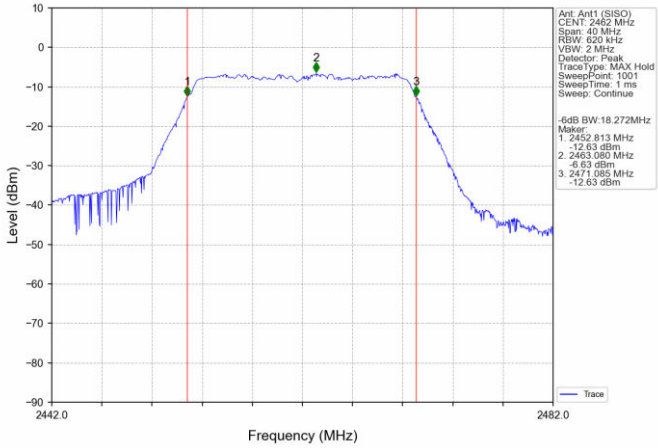
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



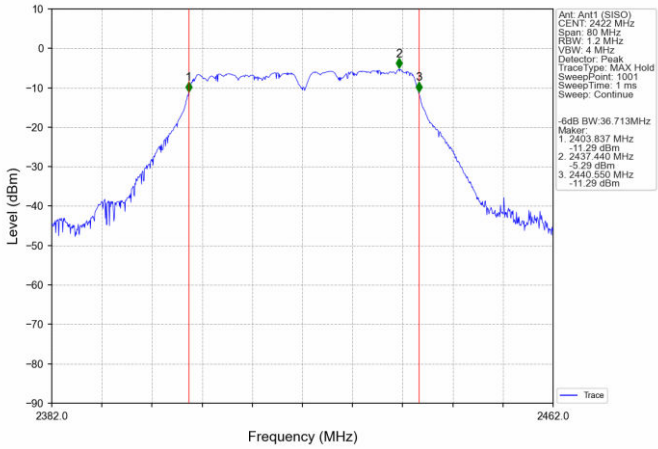
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



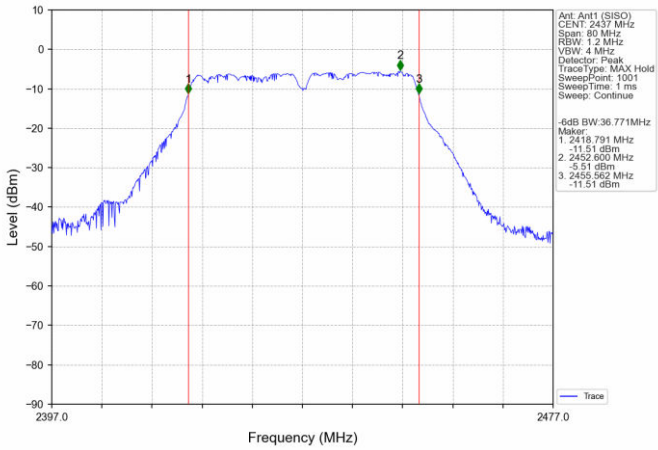
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



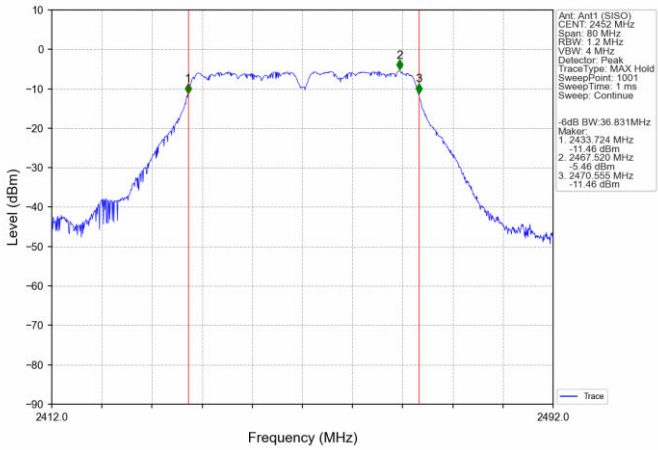
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



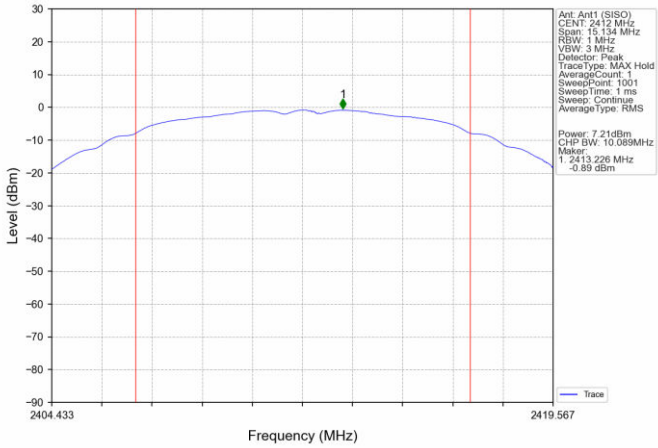
3. Maximum Conducted Output Power
3.1 Test Result
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	7.21	<=30	Pass
		2437	7.80	<=30	Pass
		2462	8.01	<=30	Pass
802.11g	SISO	2412	6.94	<=30	Pass
		2437	7.46	<=30	Pass
		2462	7.86	<=30	Pass
802.11n (HT20)	SISO	2412	6.99	<=30	Pass
		2437	7.51	<=30	Pass
		2462	7.89	<=30	Pass
802.11n (HT40)	SISO	2422	7.31	<=30	Pass
		2437	7.29	<=30	Pass
		2452	7.61	<=30	Pass
Note1: Antenna Gain: Ant1: 1.45dBi;					

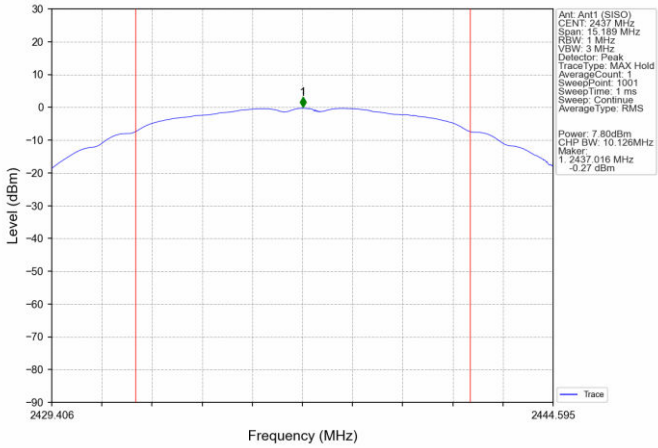
3.2 Test Graph

3.2.1 Power

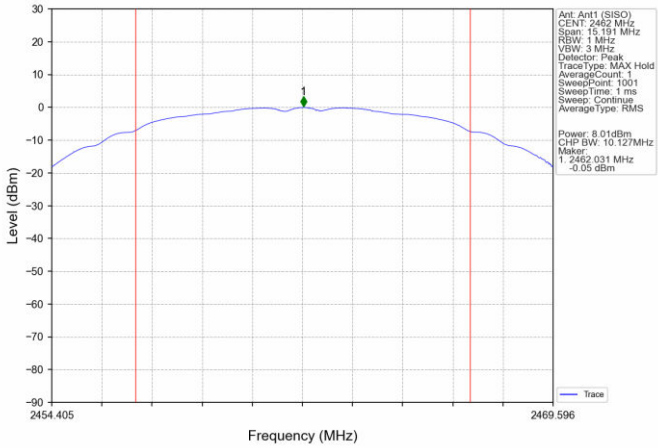
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



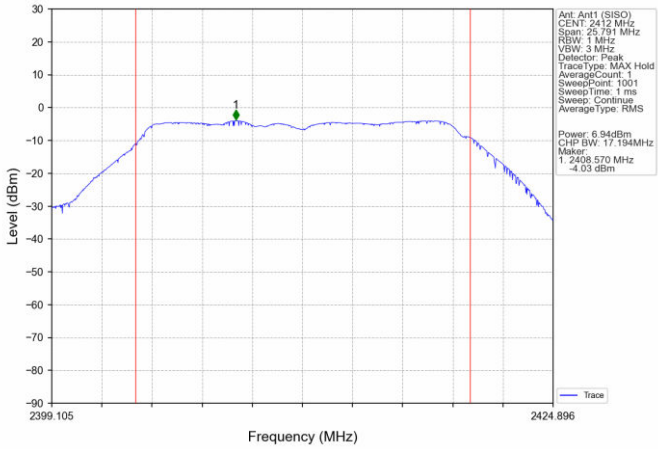
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



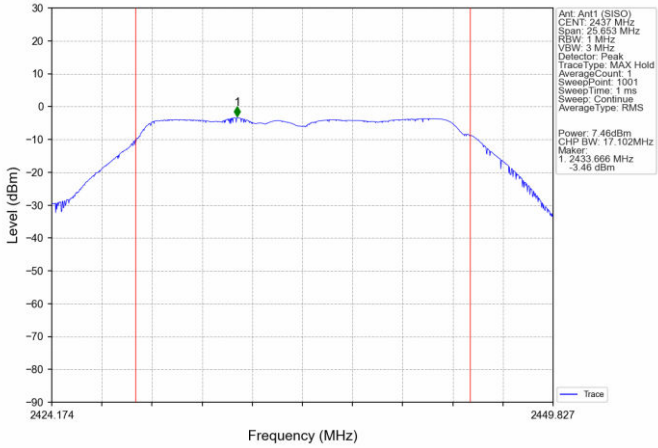
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



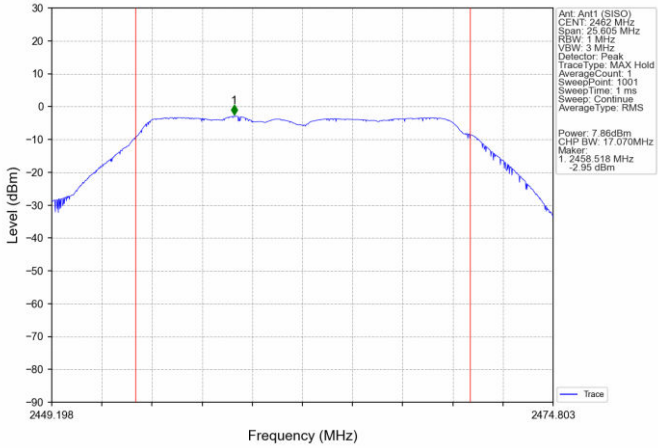
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



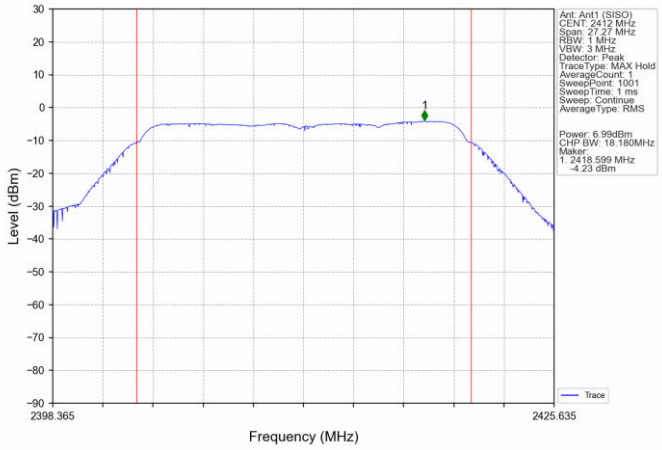
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



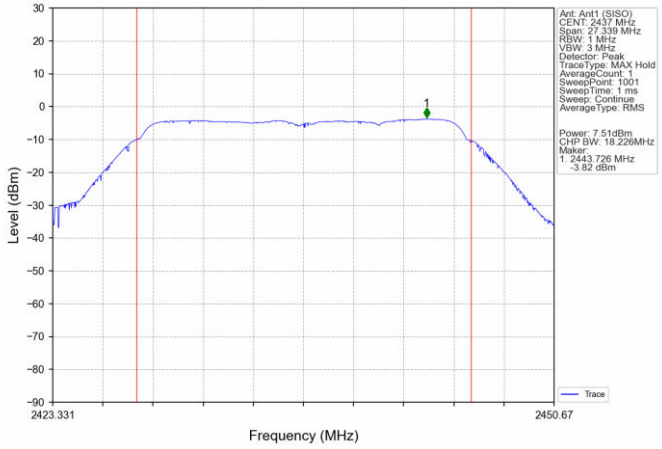
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



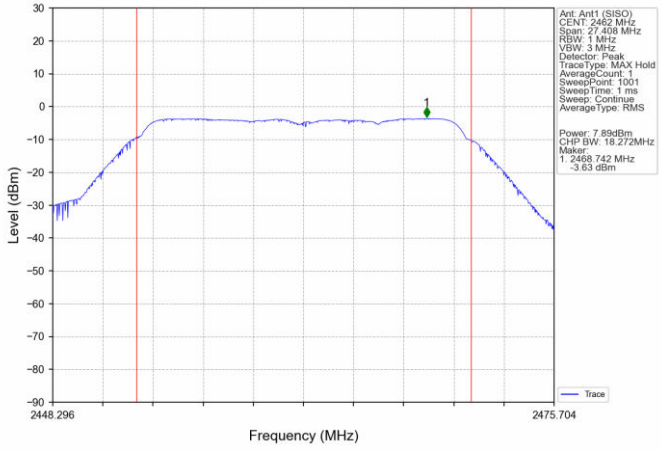
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



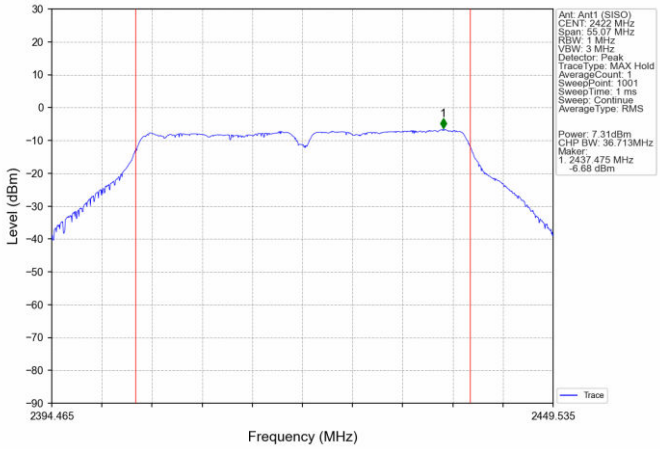
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



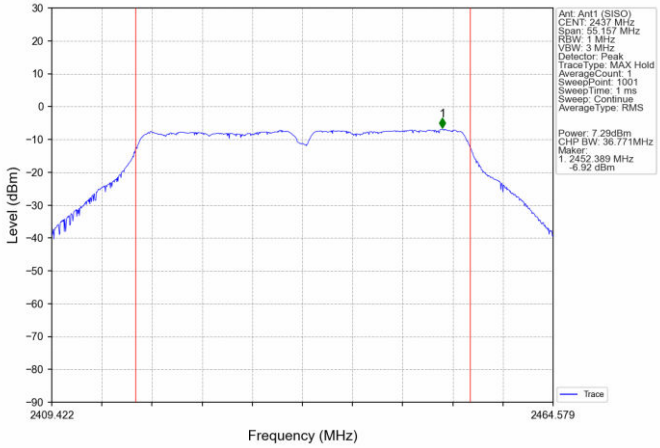
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



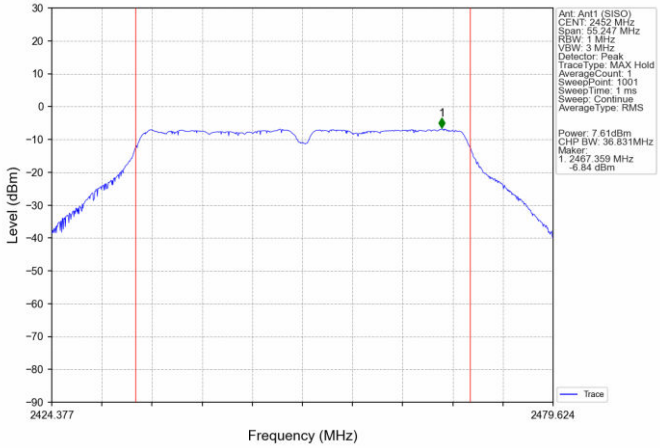
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



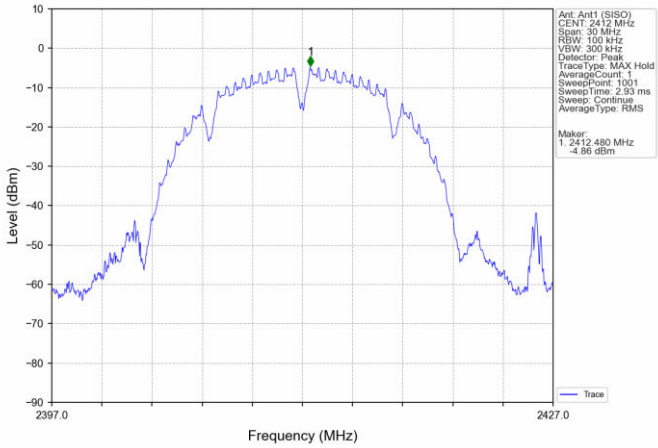
4. Maximum Power Spectral Density
4.1 Test Result
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD		Verdict
			ANT1 (dBm/100KHz)	Limit (dBm/3KHz)	
802.11b	SISO	2412	-4.86	<=8	Pass
		2437	-4.28	<=8	Pass
		2462	-4.08	<=8	Pass
802.11g	SISO	2412	-12.16	<=8	Pass
		2437	-11.66	<=8	Pass
		2462	-11.23	<=8	Pass
802.11n (HT20)	SISO	2412	-12.11	<=8	Pass
		2437	-11.49	<=8	Pass
		2462	-11.23	<=8	Pass
802.11n (HT40)	SISO	2422	-14.29	<=8	Pass
		2437	-14.28	<=8	Pass
		2452	-14.23	<=8	Pass
Note1: Antenna Gain: Ant1: 1.45dBi;					

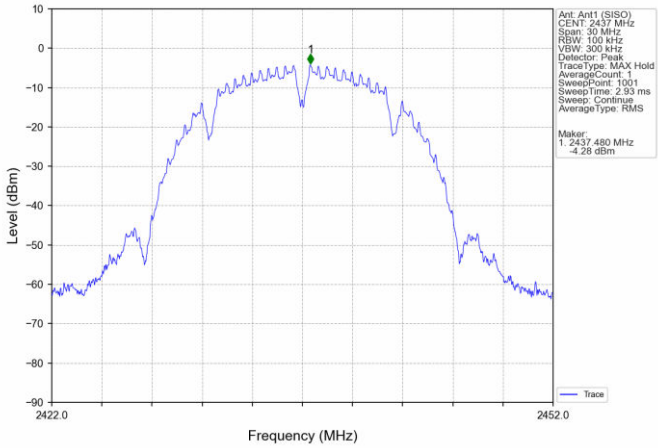
4.2 Test Graph

4.2.1 PSD

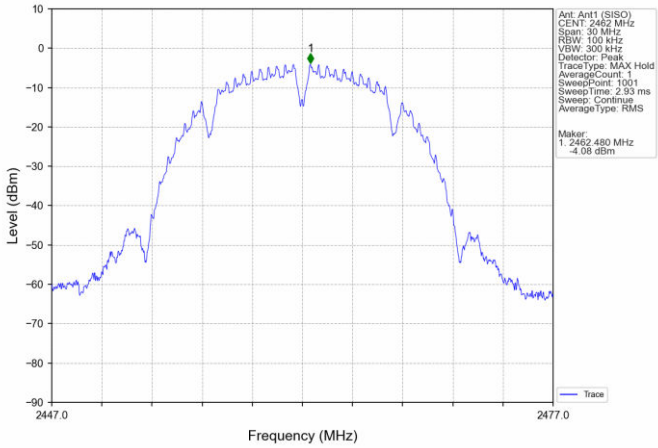
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



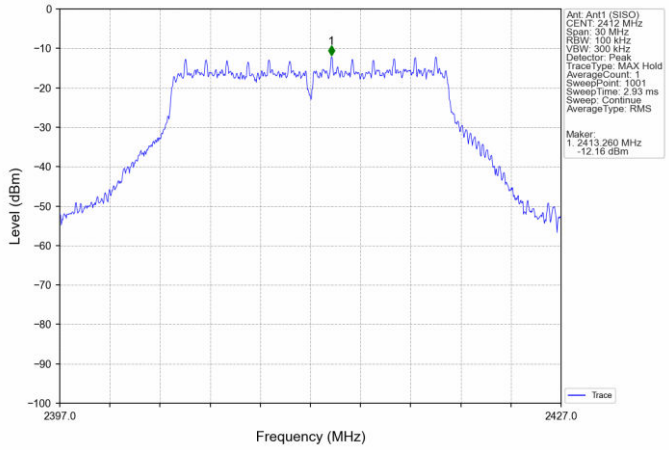
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



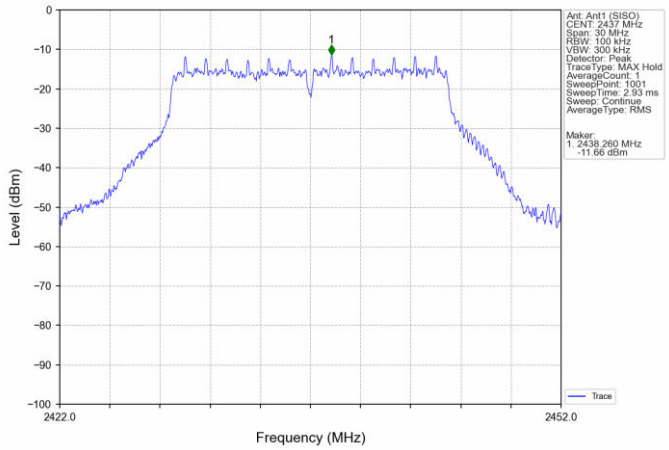
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



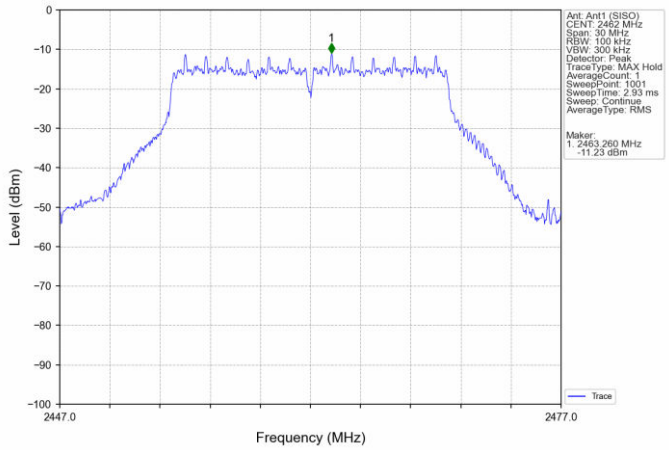
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



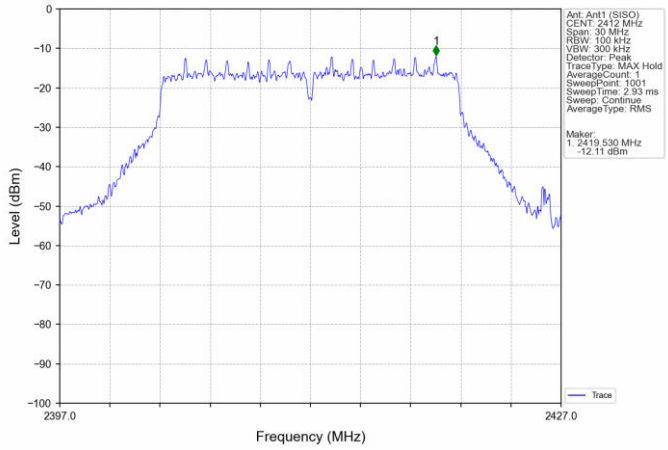
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



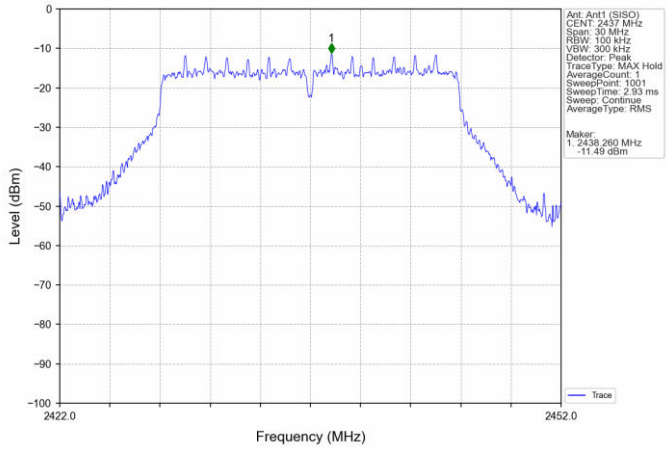
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



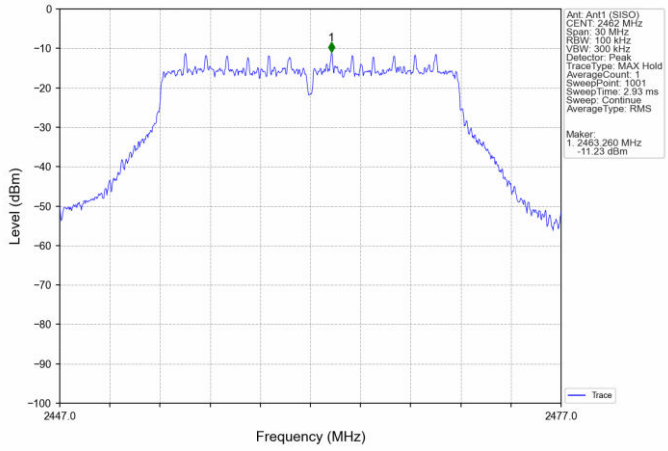
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



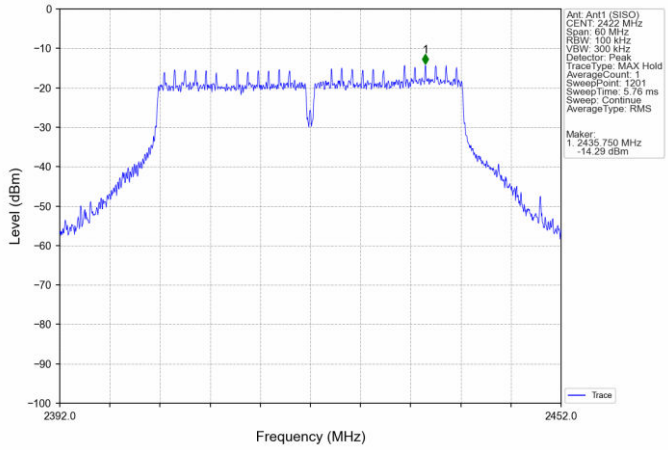
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



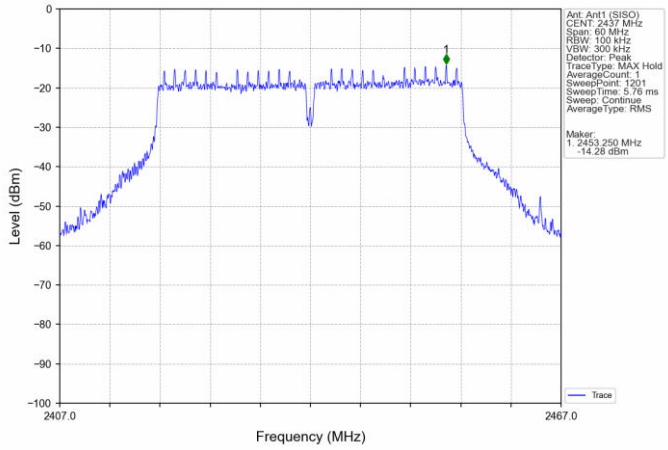
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



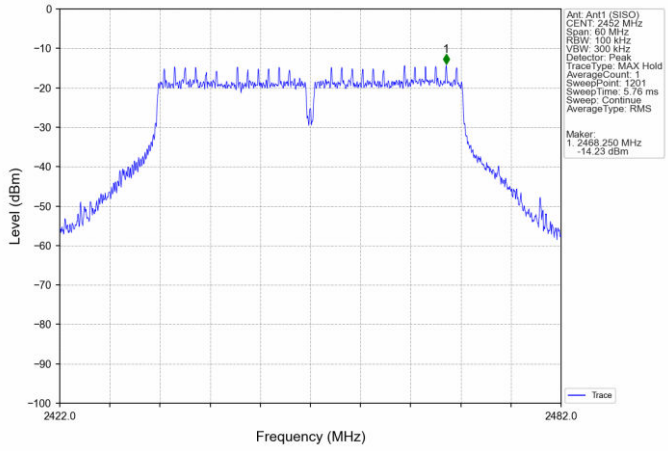
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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	-4.88
		2437	1	-4.33
		2462	1	-4.08
802.11g	SISO	2412	1	-12.16
		2437	1	-11.53
		2462	1	-11.23
802.11n (HT20)	SISO	2412	1	-12.09
		2437	1	-11.48
		2462	1	-11.31
802.11n (HT40)	SISO	2422	1	-14.28
		2437	1	-14.48
		2452	1	-14.22
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.				

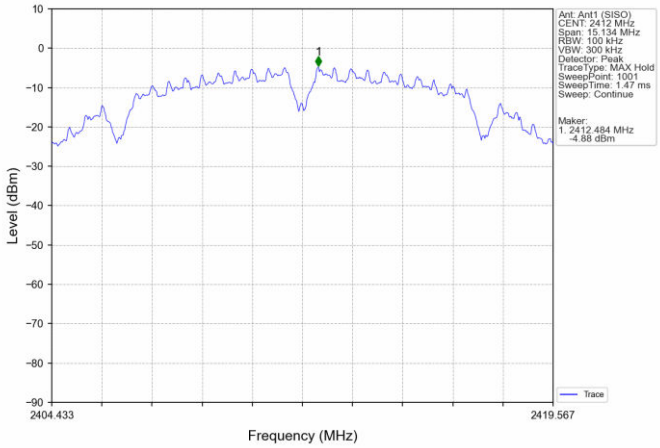
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-4.88	-24.88	Pass
		2437	1	-4.33	-24.33	Pass
		2462	1	-4.08	-24.08	Pass
802.11g	SISO	2412	1	-12.16	-32.16	Pass
		2437	1	-11.53	-31.53	Pass
		2462	1	-11.23	-31.23	Pass
802.11n (HT20)	SISO	2412	1	-12.09	-32.09	Pass
		2437	1	-11.48	-31.48	Pass
		2462	1	-11.31	-31.31	Pass
802.11n (HT40)	SISO	2422	1	-14.28	-34.28	Pass
		2437	1	-14.48	-34.48	Pass
		2452	1	-14.22	-34.22	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

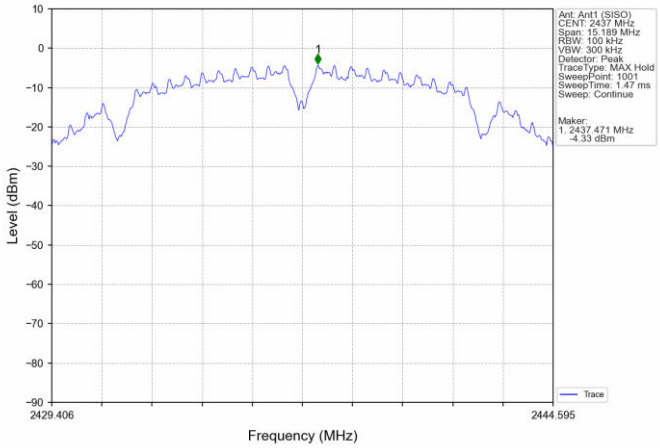
5.2 Test Graph

5.2.1 Ref

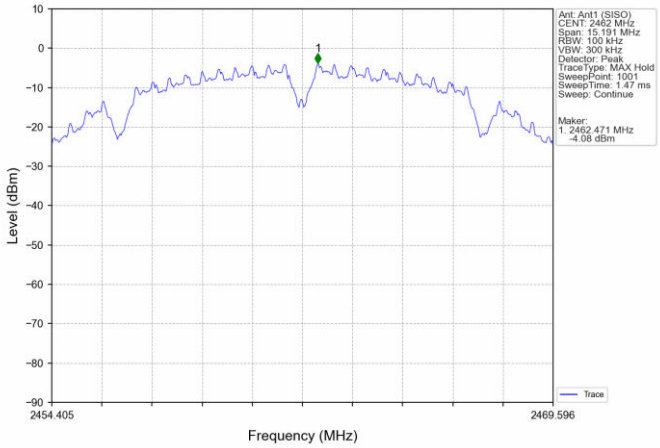
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



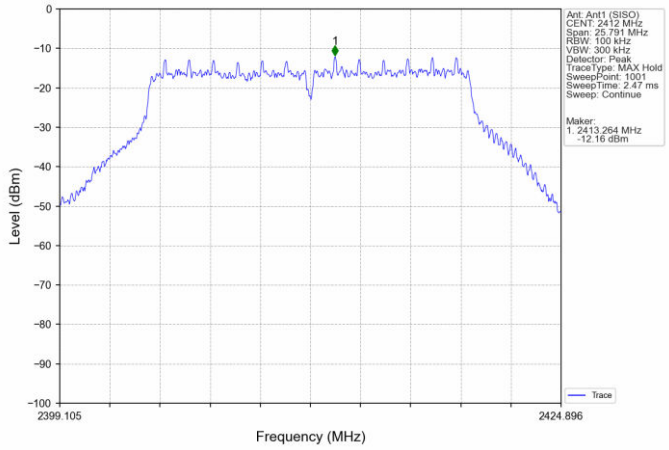
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



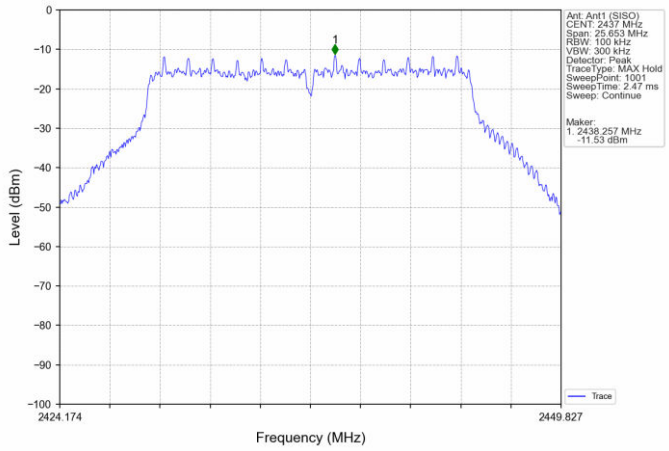
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



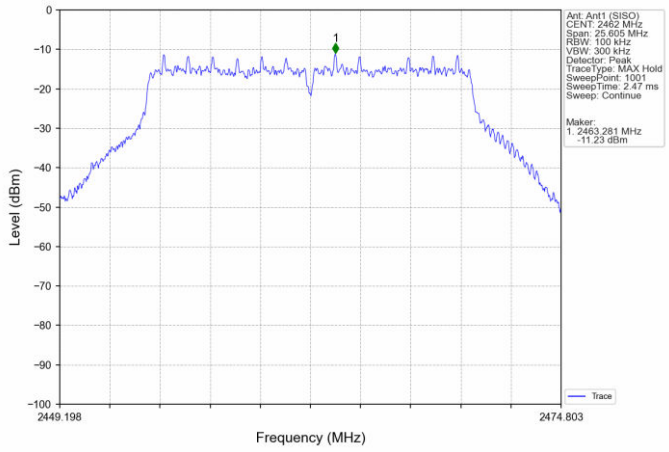
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



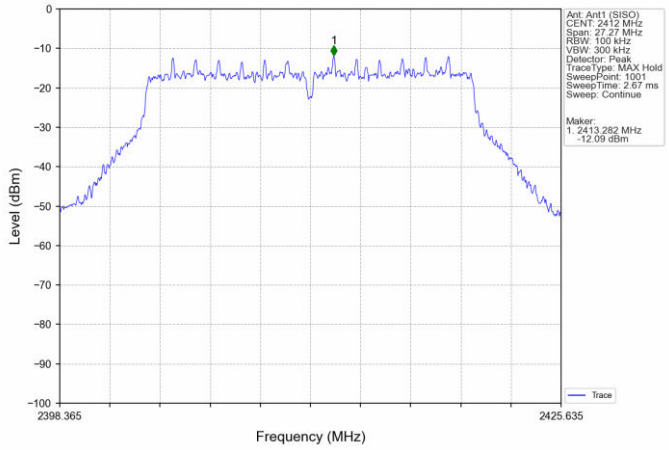
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



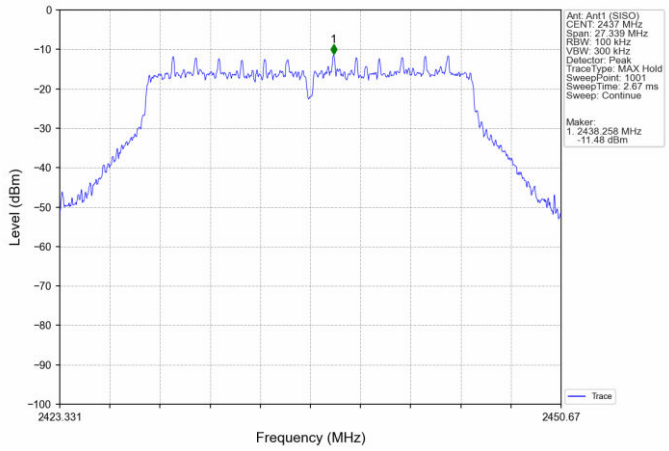
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



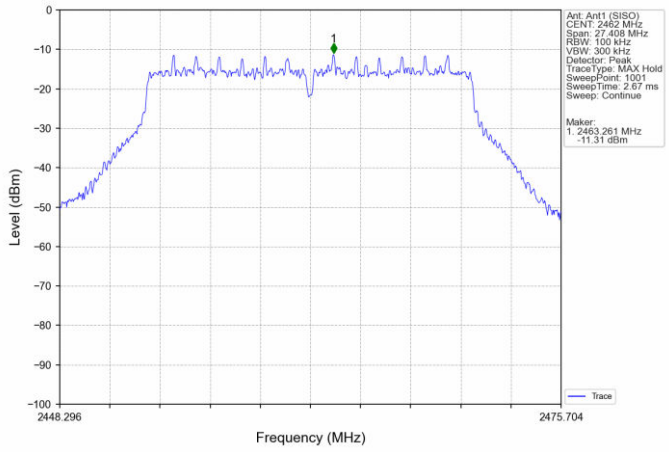
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



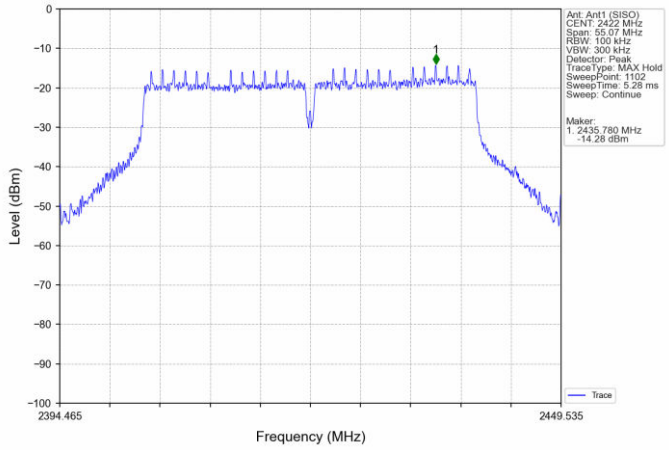
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



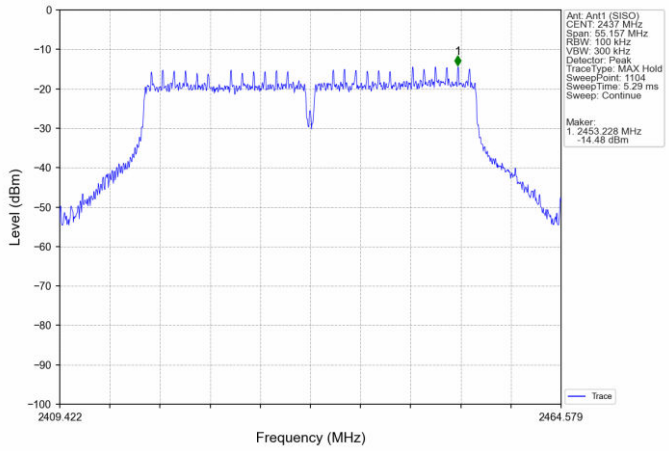
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



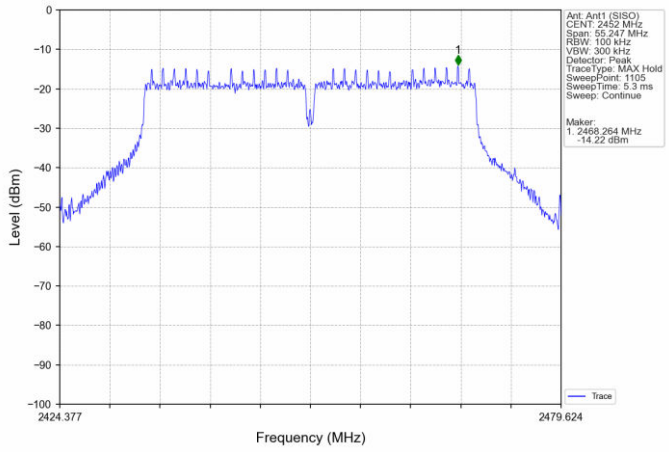
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

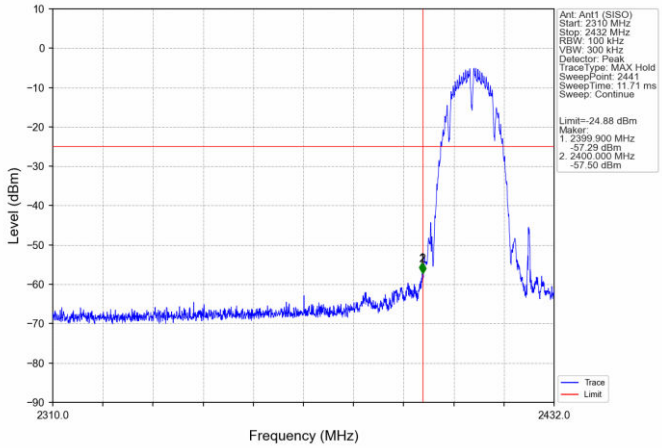


802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



5.2.2 CSE

802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



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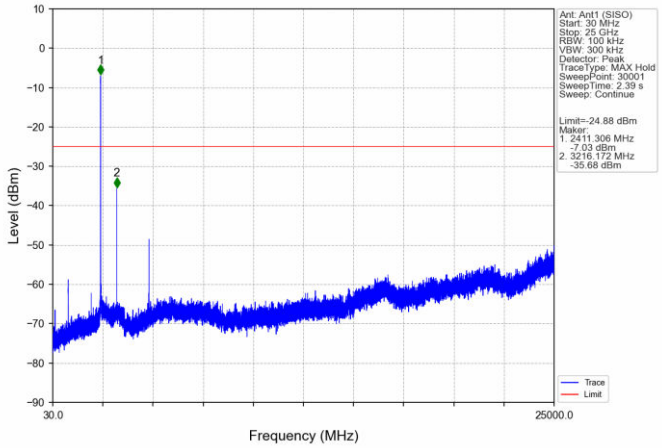
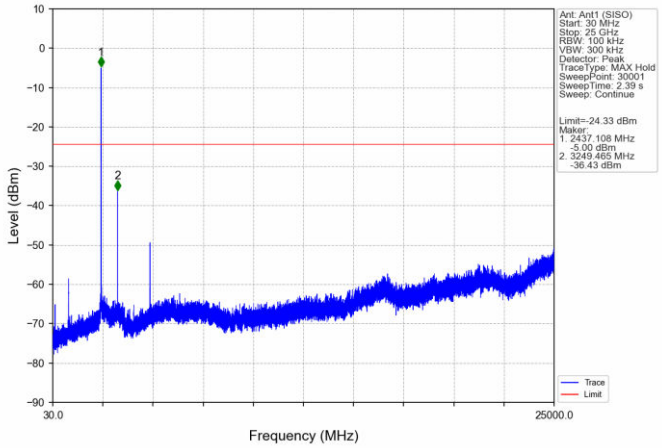
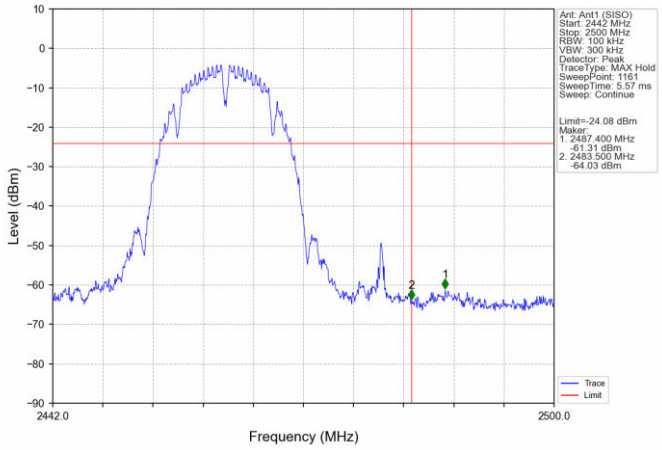


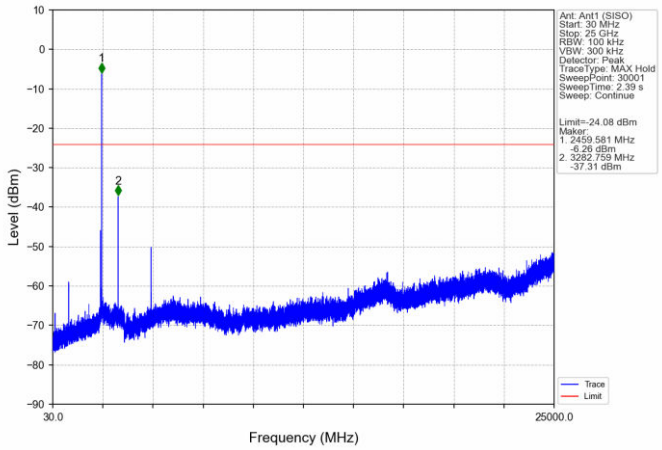
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



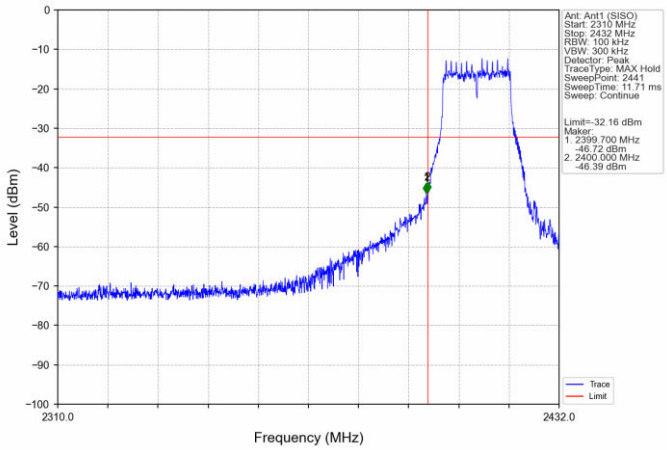
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



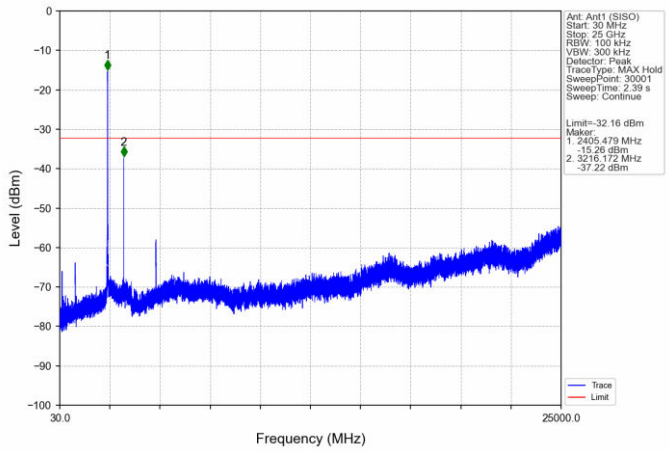
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



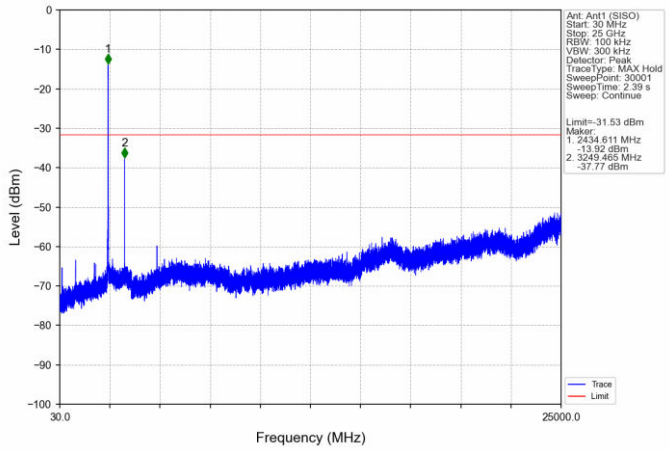
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



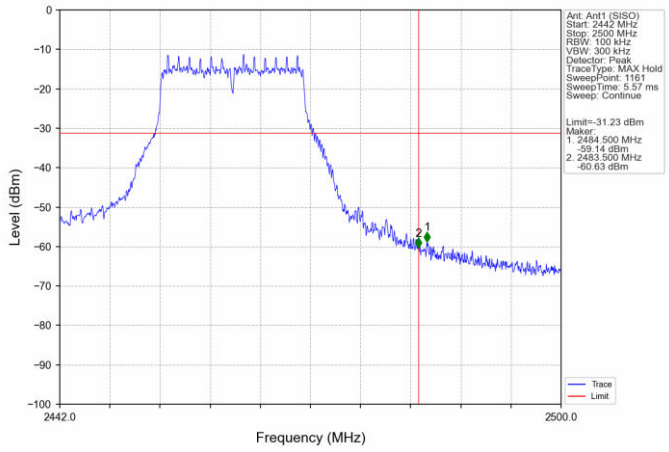
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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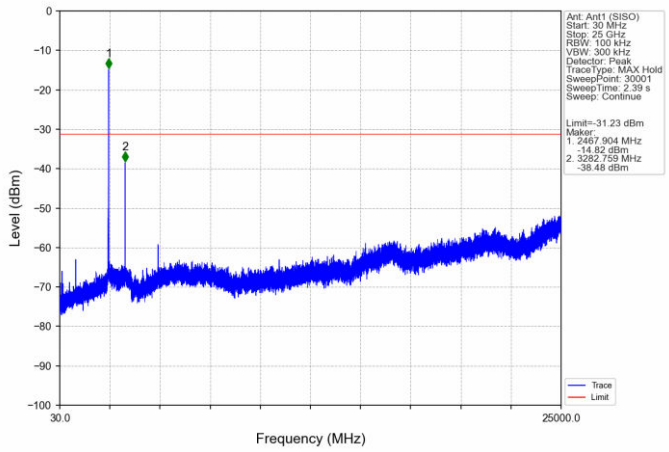

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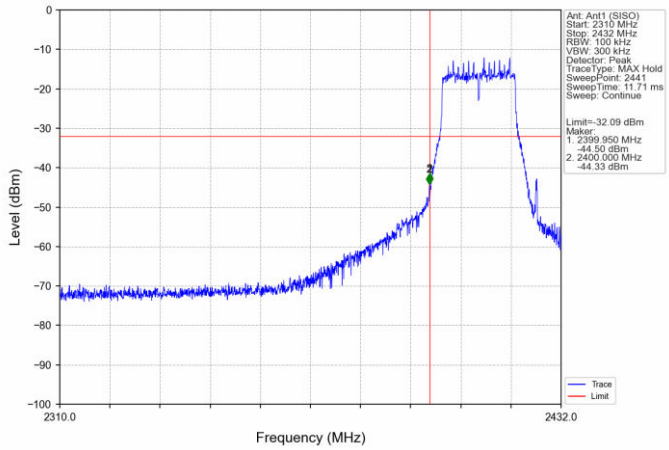

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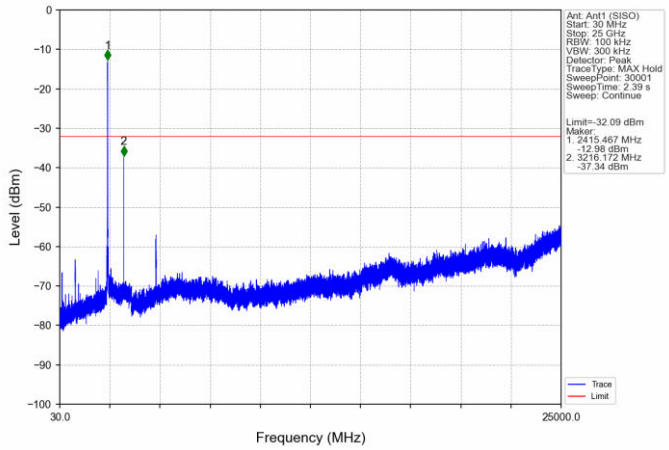

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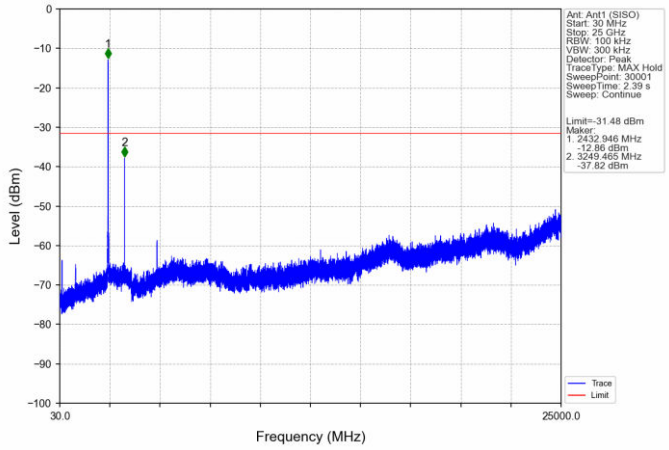

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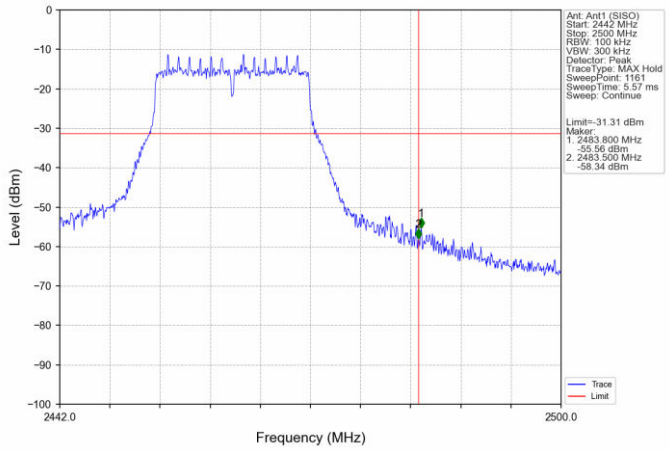

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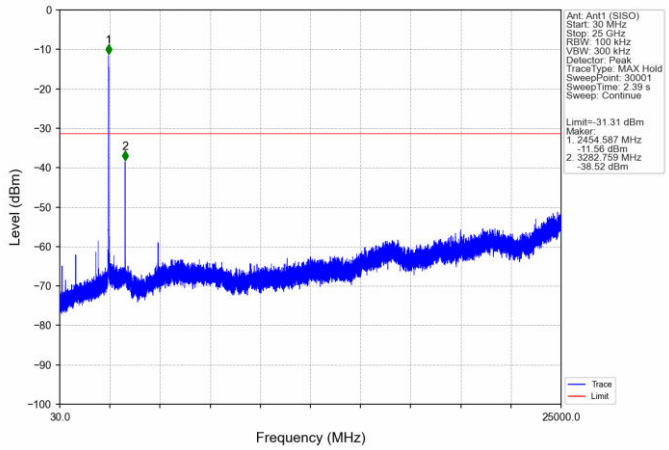

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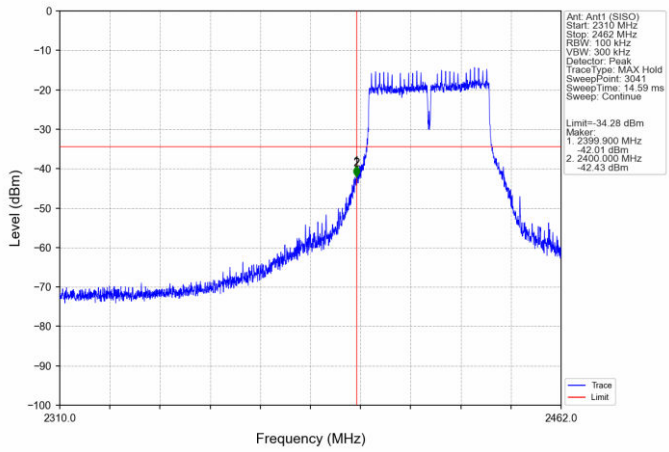
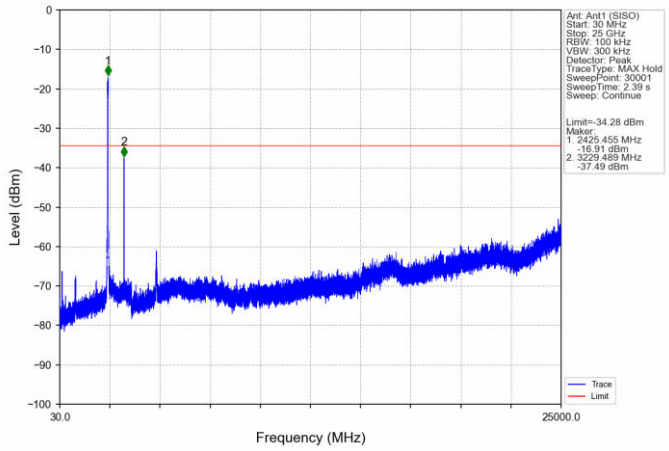


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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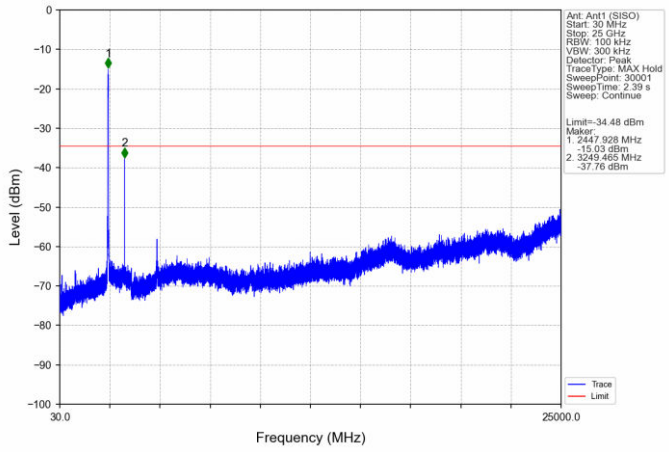

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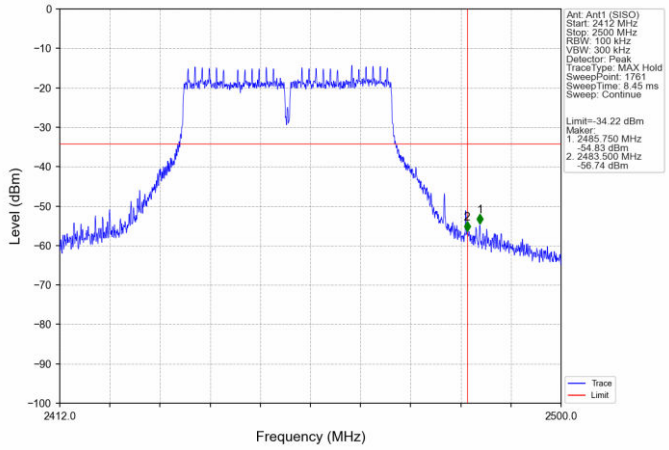

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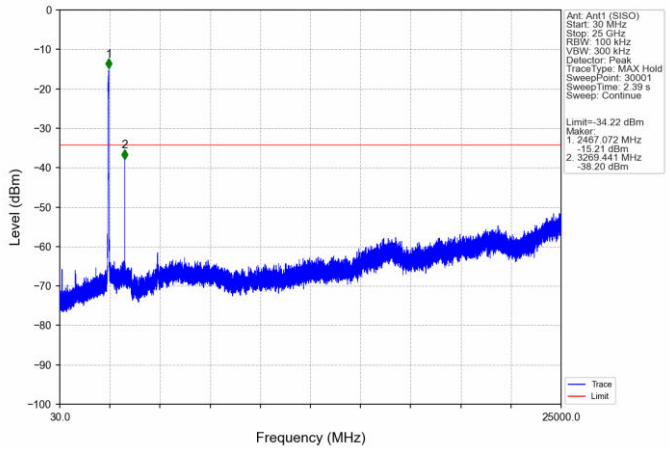

APPENDIX II - MEASUREMENT PHOTOS

Note: Please see the attached RF_Test Setup photos for FCC ID.

※※※※※END OF THE REPORT※※※※※