TEST REPORT

Test item description:	Tablet
FCC ID:	O86-FLEX10D
Trademark(s):	MobileDemand
Model/Type reference:	FLEX10D
Applicant's name:	MobileDemand, LC
Address:	1501 Boyson Square Drive Suite 101 Hiawatha IA 52233 United States Of America
Manufacturer:	Shenzhen Bmorn Technology Co., Ltd.
Address:	20th floor, Wanting Building, Baoyuan Road, Bao'an District, Shenzhen, Guangdong, China
Prepared By:	Shenzhen CTB Testing Technology Co., Ltd.
Address:	1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	Apr. 03, 2026
Sample tested Date:	Apr. 03, 2026 to Jun. 26, 2026
Issue Date:	Jun. 26, 2026
Report No.:	CTB26040308605RF03
Test Standards	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10:2020
Test Results	PASS
Remark:	This is WIFI-2.4GHz band radio test report.

Compiled by:	Reviewed by:	Approved by:
Kai Chen	Martin Feng	Bin Mei / Director

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. The tested sample(s) and the sample information are provided by the applicant. The authenticity, accuracy, and completeness of the provided information are the sole responsibility of the applicant. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The result decision rules of our laboratory are based solely on the direct comparison between the actual measured values of test results and the standard limits, without considering the measurement uncertainty."★" indicates the testing items were fulfilled by subcontracted lab. "※" indicates the items are not in CNAS accreditation scope.

TABLE OF CONTENT

(Note: N/A means not applicable)

1. VERSION

Report No.	Issue Date	Description	Approved
CTB26040308605RF03	Jun. 26, 2026	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Test Item	Test Requirement	Test method	Result
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2020	PASS
Radiated Spurious emissions	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2020	PASS
Band edge and RF Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)/15.205(a)	ANSI C63.10-2020	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	ANSI C63.10-2020	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	ANSI C63.10-2020	PASS
Power Spectral Density	47 CFR Part 15Subpart C Section 15.247 (e)	ANSI C63.10-2020/ KDB 558074 D01 v05r02	PASS
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (b)	/	PASS
RF Exposure Evaluation	47 CFR Part 15 Subpart C Section 15.247 (i)/1.1310/2.1091	KDB447498D01v06	PASS

Remark:
Test according to ANSI C63.10-2020

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Item	Uncertainty
Occupancy bandwidth	U=±54.3Hz
Conducted output power above 1G	U=±1.0dB
Conducted output power below 1G	U=±0.9dB
Power Spectral Density, Conduction	U=±1.0dB
Conduction spurious emissions	U=±2.8dB
Out of band emission	U=±54Hz
3m chamber Radiated spurious emission(9kHz-30MHz)	U=±4.8dB
3m chamber Radiated spurious emission(30MHz-1GHz)	U=±4.3dB
3m chamber Radiated spurious emission(1GHz-18GHz)	U=±4.5dB
3m chamber Radiated spurious emission(1GHz-40GHz)	U=±4.8dB
Humidity uncertainty	U=±5.3%
Temperature uncertainty	U=±0.59℃
Supply voltages	U=±3%
Time	U=±5%
Conducted Emission (9kHz-30MHz)	3.2 dB

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model/Type reference:	FLEX10D
Model Difference:	N/A
Wi-Fi Specification:	IEEE 802.11b/g/n/ax
Hardware Version:	S240ANR100
Software Version:	BIOS:T10NM2-BI-752-F-20260604 EC:S240ANR100-EC-V0106
Operation Frequency:	WiFi (2.4G): IEEE 802.11b/g/n/ax20: 2412-2462MHz/ 11 channel IEEE 802.11n/ax40: 2422-2452MHz/ 7 channel
Max. RF output power:	WiFi (2.4G): 20.777dBm
Type of Modulation:	WiFi (2.4G): DSSS, OFDM, OFDMA
Antenna installation:	WiFi (2.4G): FPC antenna
Antenna Gain:	WiFi (2.4G): Ant1: 1.23dBi Ant2: 0.67dBi
Ratings:	Input: AC 100-240V~50/60Hz Output: 12V⎓2.5A DC 7.6V by battery

4.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP PHOTOGRAPHS for the actual connections between Product and support equipment

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note

Notes:

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.

4.4 Channel List

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

4.5 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

ANT 1, ANT 2

Test mode	Low channel	Middle channel	High channel
Transmitting(802.11b/g/n/ax20)	2412MHz	2437MHz	2462MHz
Transmitting(802.11n/ax40)	2422MHz	2437MHz	2452MHz

MIMO(ANT 1+ANT 2)

Test mode	Low channel	Middle channel	High channel
Transmitting(802.11n/ax20)	2412MHz	2437MHz	2462MHz
Transmitting(802.11n/ax40)	2422MHz	2437MHz	2452MHz

EUT has two Internal Antenna with Max Antenna Gain 4.27dbi on every antenna, CDD device with two spatial streams, according to KDB662911 D01 v02r01,

Directional gain= GANT + Array Gain, where Array Gain is as follows.

1) For power spectral density(PSD) measurements,

Array Gain=10log(NANT/NSS)dB=10log(2/1)=3.01dB,

So the directional gain for PSD is 6.41dBi

2) For power measurements,

The Array gain=0 dB for NANT≤4,

So the directional gain for Power measurements is 4.27dBi

NOTE: Duty cycle>98%.

Test mode	Rate
802.11b	11M
802.11g	54M
802.11/n20	65M
802.11/n40	65M
802.11/ax20	65M
802.11/ax40	65M

4.6 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(AC):	120V
Normal Temperature(℃)	23
Low Temperature(℃)	0
High Temperature(℃)	50

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at 1&2F., Building A, No. 26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: CN1276

5.2 Test Instrument Used

No.	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Calibrated Date	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY52090073	A.14.16	2026/5/14	2027/5/13
2	Power Sensor	Agilent	U2021XA	MY56120032	/	2026/5/14	2027/5/13
3	Power Sensor	Agilent	U2021XA	MY56120034	/	2026/5/14	2027/5/13
4	Communication test set	R&S	CMW500	108058	V3.5.80	2026/5/14	2027/5/13
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2026/5/14	2027/5/13
6	Signal Generator	Agilent	N5181A	MY50140365	A.01.60	2026/5/14	2027/5/13
7	Vector signal generator	Agilent	N5182A	MY47420195	A.01.87	2026/5/14	2027/5/13
8	Communication test set	Agilent	E5515C	MY50102567	B.19.07 (E1962B)	2026/5/14	2027/5/13
9	2.4 GHz Filter	Shenxiang	MSF2400-2483.5MS-1154	20181015001	/	2026/5/16	2027/5/15
10	5 GHz Filter	Shenxiang	MSF5150-5850 MS-1155	20181015001	/	2026/5/16	2027/5/15
11	Filter	Xingbo	XBLBQ-DZA120	190821-1-1	/	2026/5/16	2027/5/15
12	BT&WI-FI Automatic test software	Micowave	MTS8310	Ver. 2.0.0.0	/	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2025/10/20	2026/10/19
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2025/7/13	2026/7/12
15	234G Automatic test software	Micowave	MTS8200	Ver. 2.0.0.0	/	/	/
16	966 chamber	C.R.T.	966	/	/	2024/6/23	2027/6/22

17	Receiver	R&S	ESPI	100362	RF_ATTEN_7 (104489/003)	2026/5/15	2027/5/14
18	Amplifier	HP	8447E	2945A02747	/	2026/5/15	2027/5/14
19	Amplifier	Agilent	8449B	3008A01838	/	2026/5/14	2027/5/13
20	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2026/5/17	2027/5/16
21	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA9120D	01911	/	2026/5/15	2027/5/14
22	EMI test software	Fala	EZ-EMC	FA-03A2 RE	/	/	/
23	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2026/5/17	2027/5/16
24	loop antenna	ZHINAN	ZN30900A	GTS534	/	/	/
25	40G Horn antenna	A/H/System	SAS-574	588	/	2026/6/1	2027/5/31
26	Amplifier	AEROFLEX	Aeroflex	097	/	2026/6/1	2027/5/31
27	Power Meter	KEYSIGHT	N1912AP	N/A	A.05.00	2026/6/1	2027/5/31

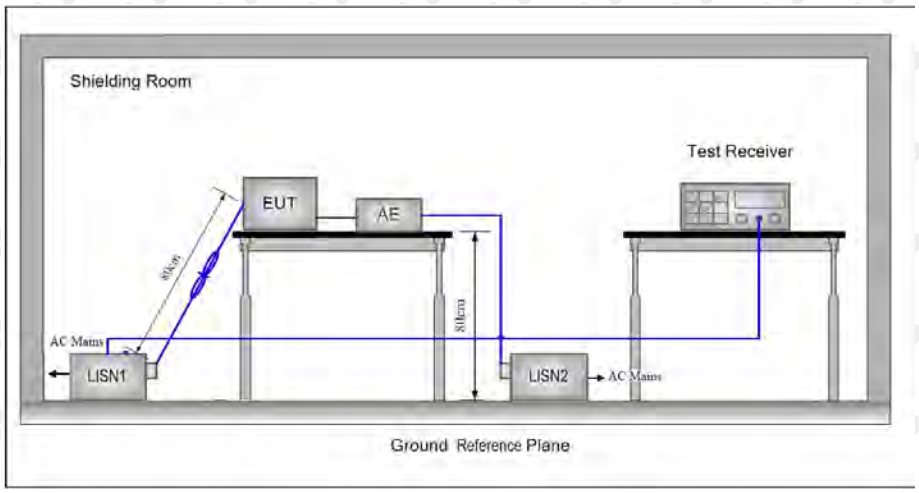
Continuous disturbance							
No.	Equipment	Manufacturer	Model No.	Serial No.	Firmware version	Calibrated Date	Calibrated until
1	843 Shield Room	C/ R/ T	843	/	/	2024/6/22	2027/6/21
2	LISN	ROHDE&SCHWARZ	ESH3-Z5	831551852	/	2026/5/14	2027/5/13
3	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100428	V4.42.SP3	2026/5/15	2027/5/14
4	Coaxial cable	ZDECL	Z302S	18091904	/	2026/5/14	2027/5/13
5	ISN	Schwarzbeck	NTFM8158	183	/	2026/5/18	2027/5/17
6	Voltage sensor	Schwarzbeck	TK 9420	01189	/	2026/5/16	2027/5/15
7	EZ-EMC	Frad	EMC-con3A1.1	/	/	/	/
8	Current Probe	FCC	F-52B	199453	/	2026/5/22	2027/5/21
9	Communication test set	R&S	CMW500	108058	B.19.07 (E1962B)	2026/5/14	2027/5/13
10	Communication test set	Agilent	E5515C	MY50102567	V3.5.80	2026/5/14	2027/5/13

Radiated emission(No.1 Chamber)							
No.	Equipment	Manufacturer	Model No.	Serial No.	Firmware version	Calibrated until	Calibrated until
1	966 Chamber	C/ R/ T	966	/	/	2024/6/23	2027/6/22
2	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120 D	01911	/	2026/5/15	2027/5/14

3	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2026/5/17	2027/5/16
4	Amplifier	Agilent	8449B	3008A01838	/	2026/5/14	2027/5/13
5	Amplifier	HP	8447E	2945A02747	/	2026/5/15	2027/5/14
6	loop antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2026/5/17	2027/5/16
7	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESPI	100362	RF_ATTEN_7 (104489/003)	2026/5/15	2027/5/14
8	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2026/5/14	2027/5/13
9	Coaxial cable	ETS	RFC-SNS-100-NMS-80	/	/	2026/5/14	2027/5/13
10	Coaxial cable	ETS	RFC-SN-100-NMS-20	/	/	2026/5/14	2027/5/13
11	Coaxial cable	ETS	RFC-SNS-100-SMS-20	/	/	2026/5/14	2027/5/13
12	Coaxial cable	ETS	RFC-NNS-100-NMS-300	/	/	2026/5/14	2027/5/13
13	EMI test software	Frad	EZ-EMC	Ver/ FA-03A2 RE	/	/	/
14	Communication test set	R&S	CMW500	108058	B.19.07 (E1962B)	2026/5/14	2027/5/13
15	Communication test set	Agilent	E5515C	MY50102567	V3.5.80	2026/5/14	2027/5/13

6. AC POWER LINE CONDUCTED EMISSION

6.1 Block Diagram Of Test Setup



6.2 Limit

Table 4 – AC power-line conducted emissions limits

Frequency (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56[Note 1]	56 to 46[Note 1]
0.5 – 5	56	46
5 – 30	60	50

Note 1: The level decreases linearly with the logarithm of the frequency.

* Decreasing linearly with the logarithm of the frequency

6.3 Test procedure

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

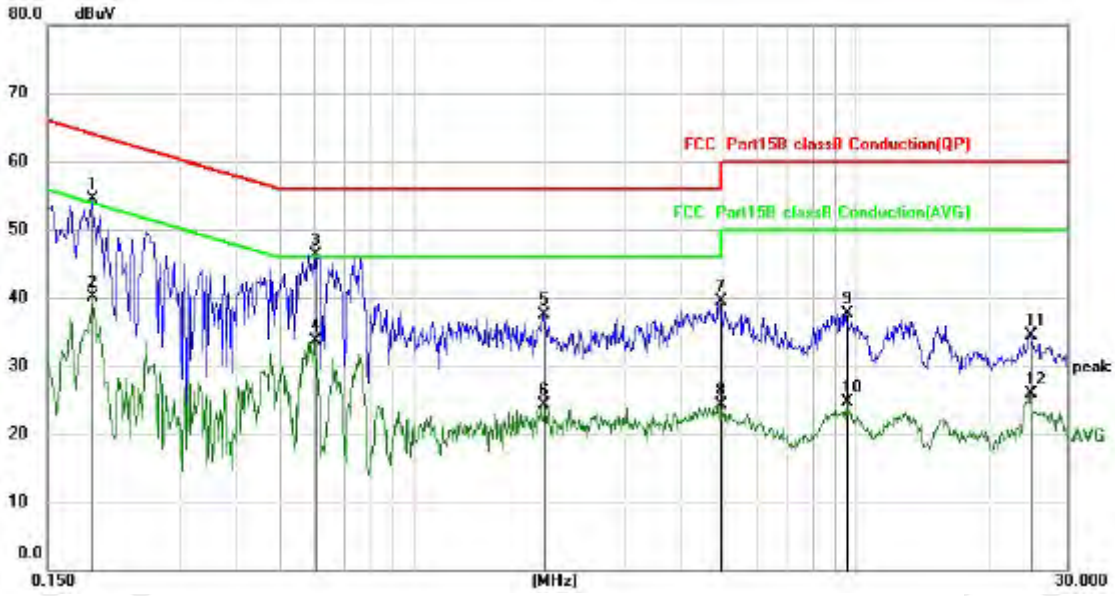
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0,4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane.

This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0,8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

6.4 Test Result

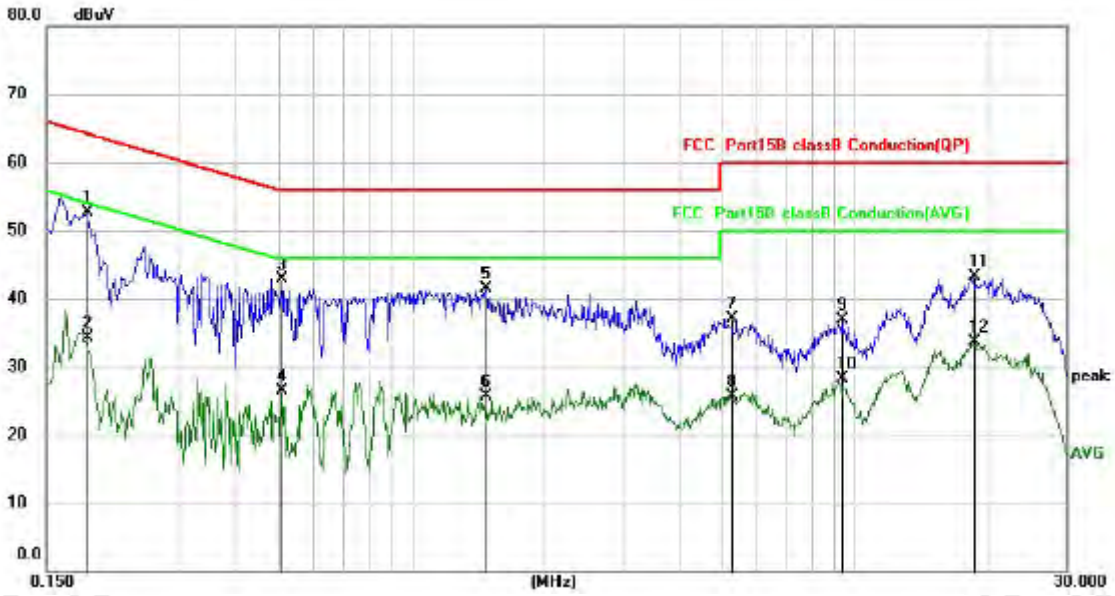
Test Specification: Line
Worst mode :High CH11 802.11ax(HT20)/2462/ANT 1+ANT 2
AC 120V 60Hz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1900	44.47	10.08	54.55	64.04	-9.49	QP
2		0.1900	30.09	10.08	40.17	54.04	-13.87	AVG
3		0.6018	36.13	10.10	46.23	56.00	-9.77	QP
4		0.6018	23.52	10.10	33.62	46.00	-12.38	AVG
5		1.9778	27.41	10.17	37.58	56.00	-18.42	QP
6		1.9778	14.12	10.17	24.29	46.00	-21.71	AVG
7		4.9458	29.27	10.28	39.55	56.00	-16.45	QP
8		4.9458	14.02	10.28	24.30	46.00	-21.70	AVG
9		9.5777	27.33	10.43	37.76	60.00	-22.24	QP
10		9.5777	14.22	10.43	24.65	50.00	-25.35	AVG
11		24.7900	23.37	11.19	34.56	60.00	-25.44	QP
12		24.7900	14.65	11.19	25.84	50.00	-24.16	AVG

Remark: Factor = Cable loss + LISN factor, Margin = Measurement – Limit

Test Specification: Neutral
Worst mode :High CH11 802.11ax(HT20)/2462/ANT 1+ANT 2
AC 120V 60Hz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1859	42.70	10.08	52.78	64.22	-11.44	QP
2		0.1859	24.20	10.08	34.28	54.22	-19.94	AVG
3		0.5100	32.80	10.09	42.89	56.00	-13.11	QP
4		0.5100	16.37	10.09	26.46	46.00	-19.54	AVG
5		1.4700	31.31	10.15	41.46	56.00	-14.54	QP
6		1.4700	15.52	10.15	25.67	46.00	-20.33	AVG
7		5.2738	26.88	10.29	37.17	60.00	-22.83	QP
8		5.2738	15.47	10.29	25.76	50.00	-24.24	AVG
9		9.3536	26.44	10.43	36.87	60.00	-23.13	QP
10		9.3536	17.96	10.43	28.39	50.00	-21.61	AVG
11		18.5900	32.41	10.90	43.31	60.00	-16.69	QP
12		18.5900	22.79	10.90	33.69	50.00	-16.31	AVG

Remark: Factor = Cable loss + LISN factor, Margin = Measurement – Limit

7. RADIATED SPURIOUS EMISSION

7.1 Block Diagram Of Test Setup

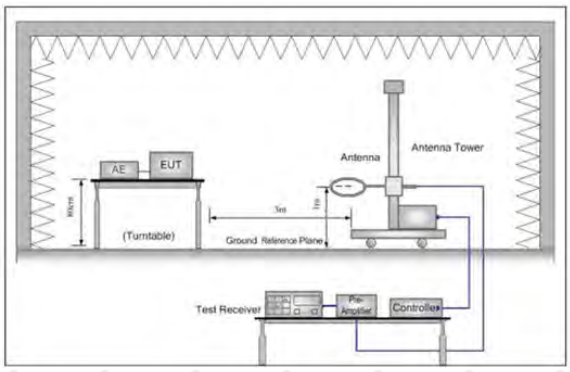


Figure 1. Below 30MHz

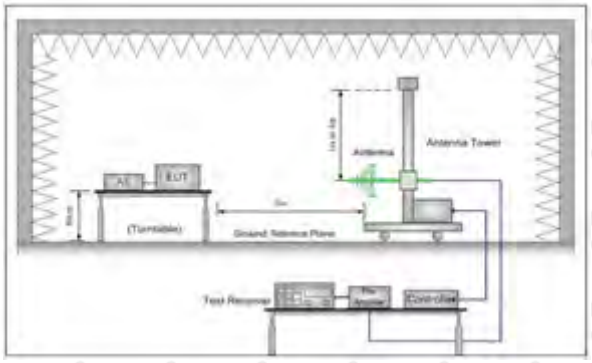


Figure 2. 30MHz to 1GHz

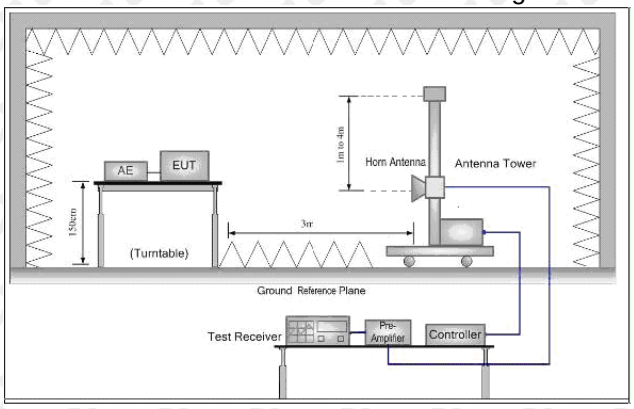


Figure 3. Above 1GHz

7.2 Limit

Spurious Emissions:

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

7.3 Test procedure

Below 1GHz test procedure as below:

a.The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b.The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c.The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d.For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table table was turned from 0 degrees to 360 degrees to find the maximum reading.

e.The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f.If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

g.Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).

h.Test the EUT in the lowest channel ,the middle channel ,the Highest channel

j.Repeat above procedures until all frequencies measured was complete.

Receiver set:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30KHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30KHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30KHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30KHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30KHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120 kHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	1/T	Average

Remark: If the EUT D is < 98%, then set VBW 1/ T, where Tis defined in item al) of 12.2.

7.4 Test Result

Below 1GHz Test Results:
Antenna polarity: H
Worst mode :High CH11 802.11ax(HT20)/2462/ANT 1+ANT 2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		49.4459	31.17	-6.42	24.75	40.00	-15.25	QP
2		75.3141	27.38	-8.40	18.98	40.00	-21.02	QP
3		149.2238	36.98	-4.48	32.50	43.50	-11.00	QP
4	!	223.3413	46.02	-5.66	40.36	46.00	-5.64	QP
5	*	308.9125	45.06	-2.38	42.68	46.00	-3.32	QP
6	!	434.8267	40.34	-0.26	40.08	46.00	-5.92	QP

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

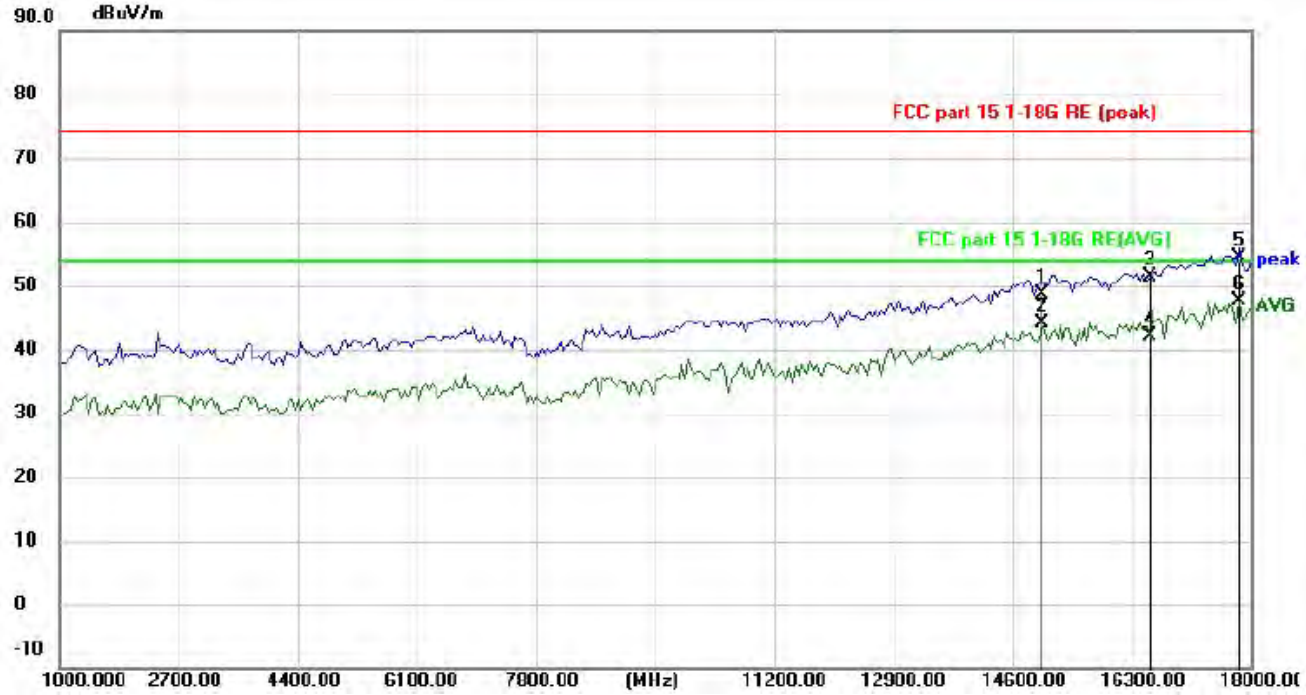
Antenna polarity: V

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	49.4459	43.03	-6.42	36.61	40.00	-3.39	QP
2		162.8959	36.30	-3.41	32.89	43.50	-10.61	QP
3		223.3413	41.86	-5.66	36.20	46.00	-9.80	QP
4	!	311.6324	42.58	-2.33	40.25	46.00	-5.75	QP
5		384.6055	38.61	-1.15	37.46	46.00	-8.54	QP
6		483.0616	37.00	0.63	37.63	46.00	-8.37	QP

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

1. The margin of 9k-30MHz measurement exceeds 20dB, so the test chart is not included.
2. All modes have been tested, and the test results show that ANT1+ANT2 802.11ax20 mode data is the worst, only ANT1+ANT2 802.11ax20 mode test chart is put.

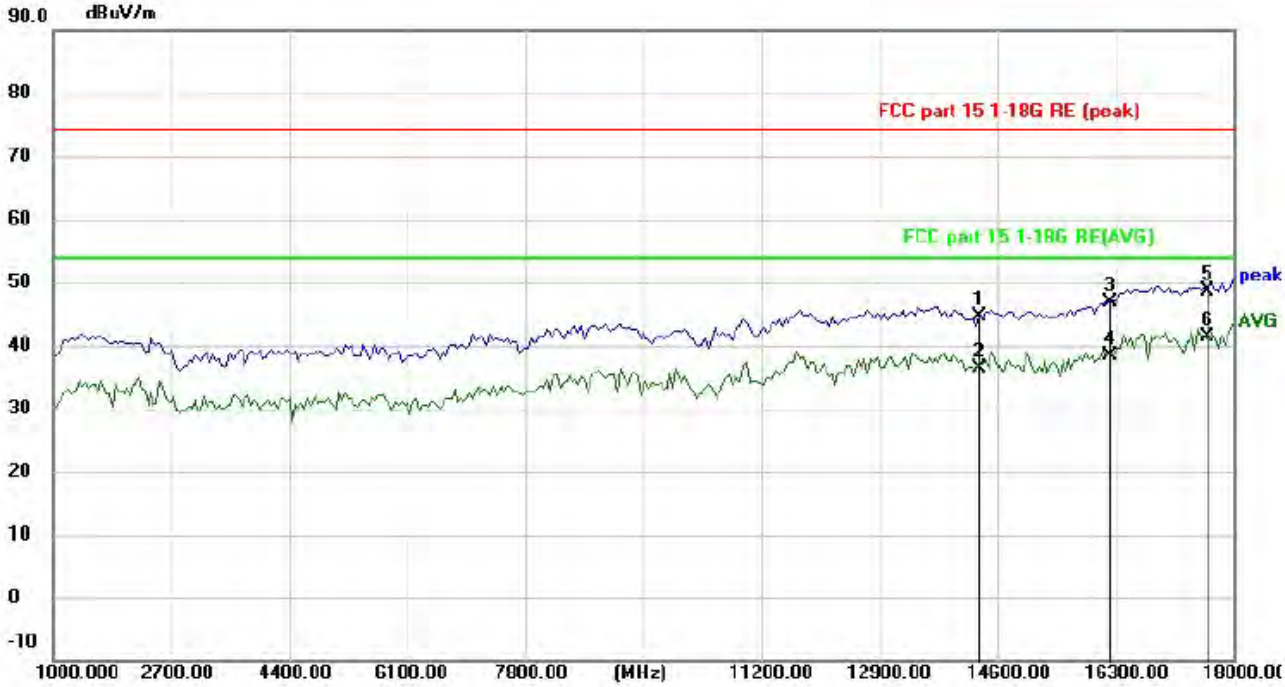
Above 1 GHz Test Results:
Antenna polarity: H
Worst mode :High CH1 802.11ax(HT20)/2412/ANT 1+ANT 2



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		15025.000	38.30	10.41	48.71	74.00	-25.29	peak
2		15025.000	33.61	10.41	44.02	54.00	-9.98	AVG
3		16555.000	39.44	11.95	51.39	74.00	-22.61	peak
4		16555.000	30.25	11.95	42.20	54.00	-11.80	AVG
5		17830.000	34.62	19.87	54.49	74.00	-19.51	peak
6	*	17830.000	27.68	19.87	47.55	54.00	-6.45	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Antenna polarity: V



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		14345.000	34.03	10.57	44.60	74.00	-29.40	peak
2		14345.000	25.84	10.57	36.41	54.00	-17.59	AVG
3		16215.000	36.29	10.54	46.83	74.00	-27.17	peak
4		16215.000	27.85	10.54	38.39	54.00	-15.61	AVG
5		17617.500	30.40	18.31	48.71	74.00	-25.29	peak
6	*	17617.500	22.95	18.31	41.26	54.00	-12.74	AVG

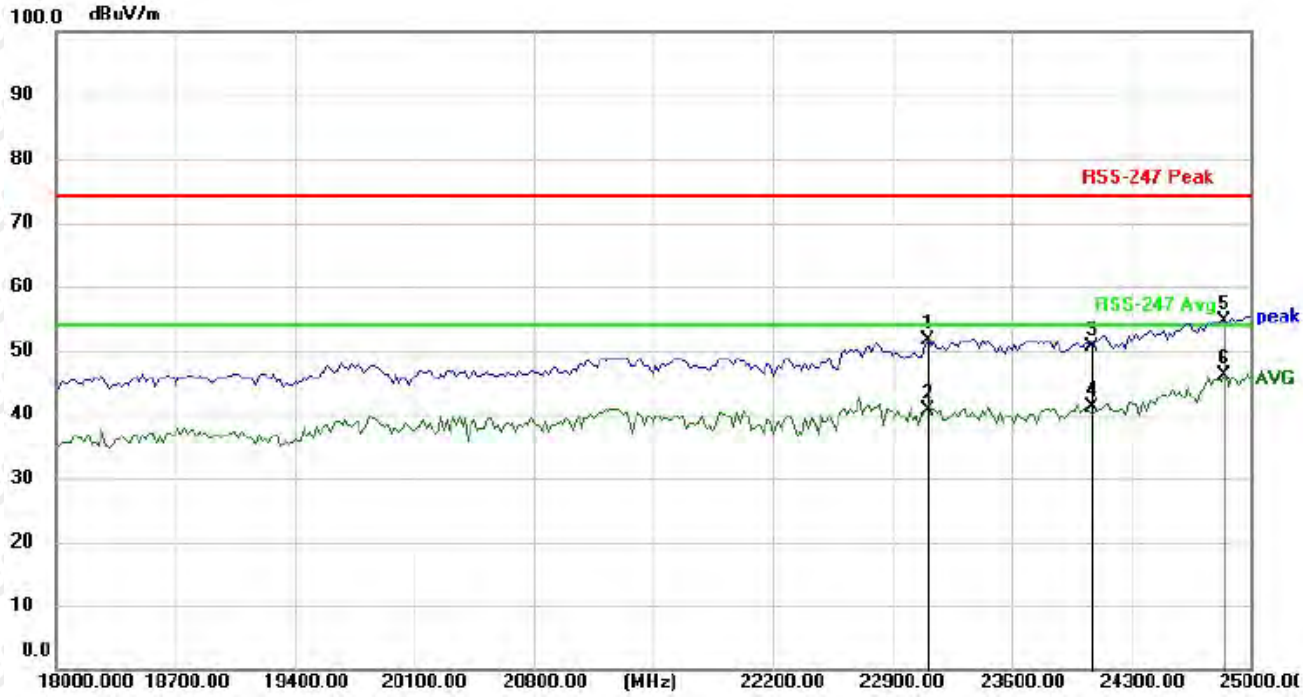
Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Antenna polarity: H
Worst mode :High CH1 802.11ax(HT20)/2412/ANT 1+ANT 2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		23757.500	61.97	-8.42	53.55	74.00	-20.45	peak
2		23757.500	53.26	-8.42	44.84	54.00	-9.16	AVG
3		24212.500	61.11	-7.74	53.37	74.00	-20.63	peak
4		24212.500	50.77	-7.74	43.03	54.00	-10.97	AVG
5		24842.500	63.48	-6.78	56.70	74.00	-17.30	peak
6	*	24842.500	52.25	-6.78	45.47	54.00	-8.53	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

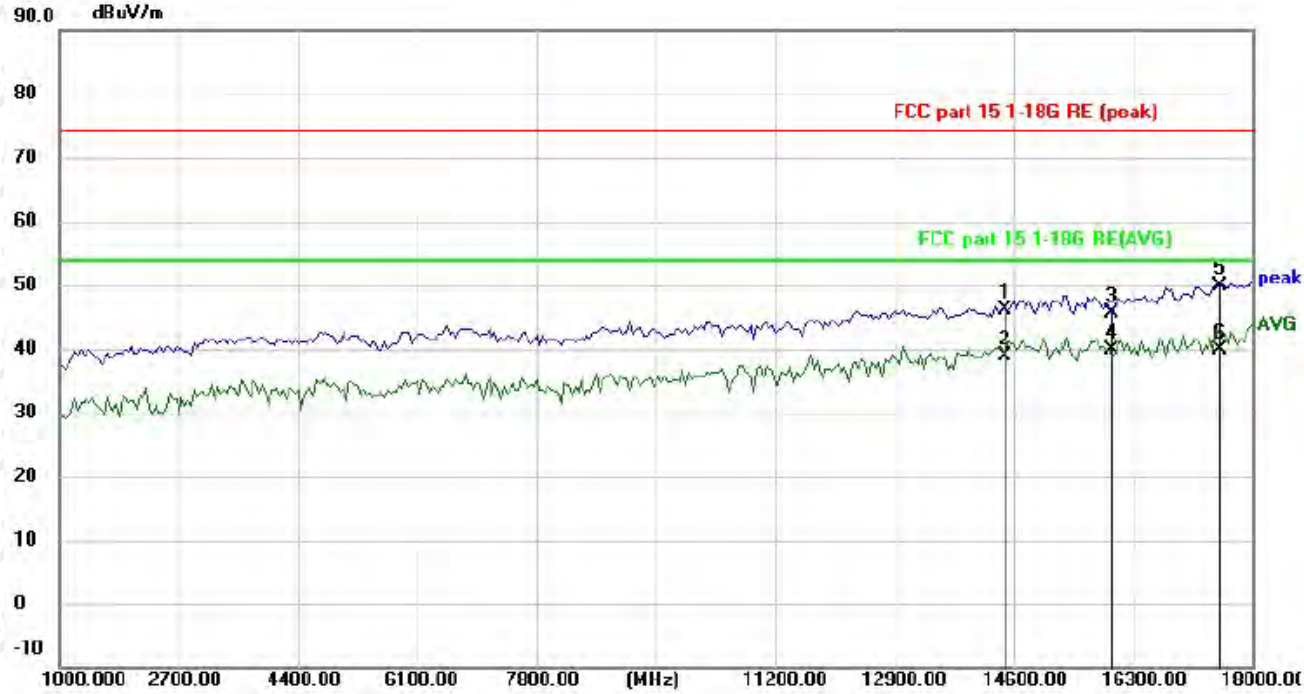
Antenna polarity: V



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		23110.000	60.94	-9.40	51.54	74.00	-22.46	peak
2		23110.000	50.04	-9.40	40.64	54.00	-13.36	AVG
3		24072.500	58.58	-7.95	50.63	74.00	-23.37	peak
4		24072.500	48.98	-7.95	41.03	54.00	-12.97	AVG
5		24842.500	61.48	-6.78	54.70	74.00	-19.30	peak
6	*	24842.500	52.82	-6.78	46.04	54.00	-7.96	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

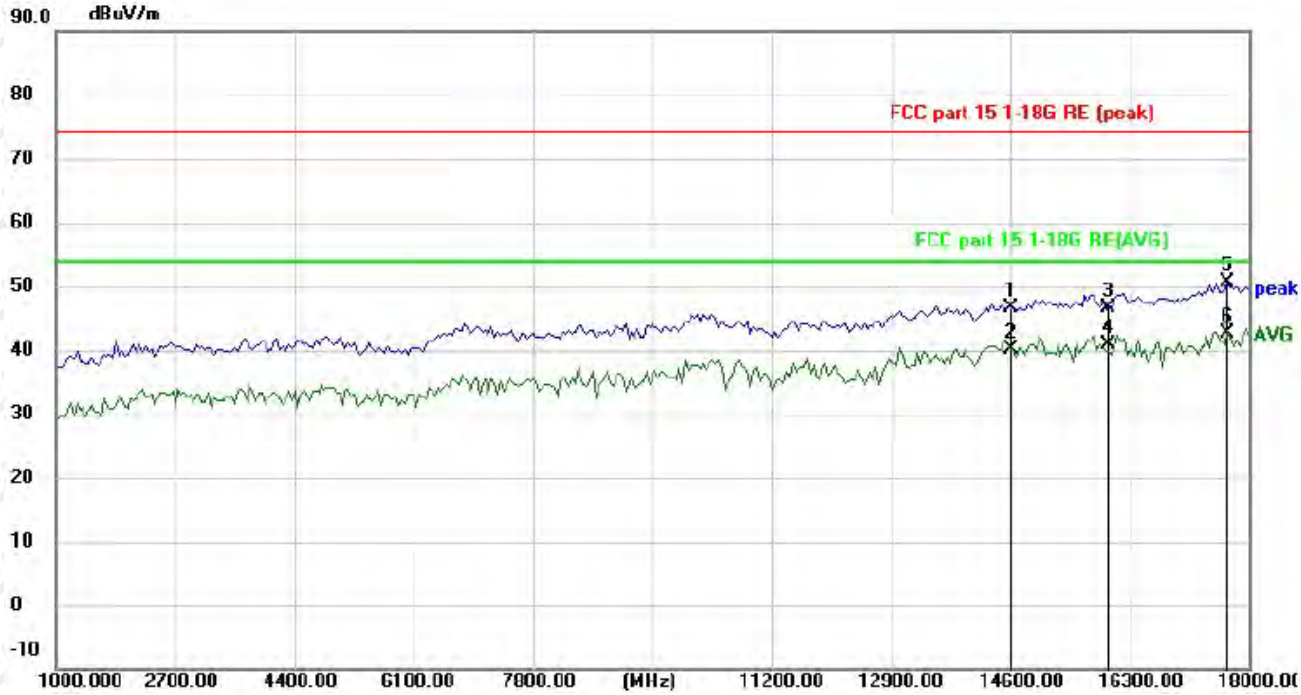
Antenna polarity: H
Worst mode :High CH7 802.11ax(HT20)/2437/ANT 1+ANT 2



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		14472.500	35.56	10.55	46.11	74.00	-27.89	peak
2		14472.500	28.39	10.55	38.94	54.00	-15.06	AVG
3		16002.500	36.07	9.66	45.73	74.00	-28.27	peak
4		16002.500	30.21	9.66	39.87	54.00	-14.13	AVG
5		17532.500	32.27	17.69	49.96	74.00	-24.04	peak
6	*	17532.500	22.20	17.69	39.89	54.00	-14.11	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

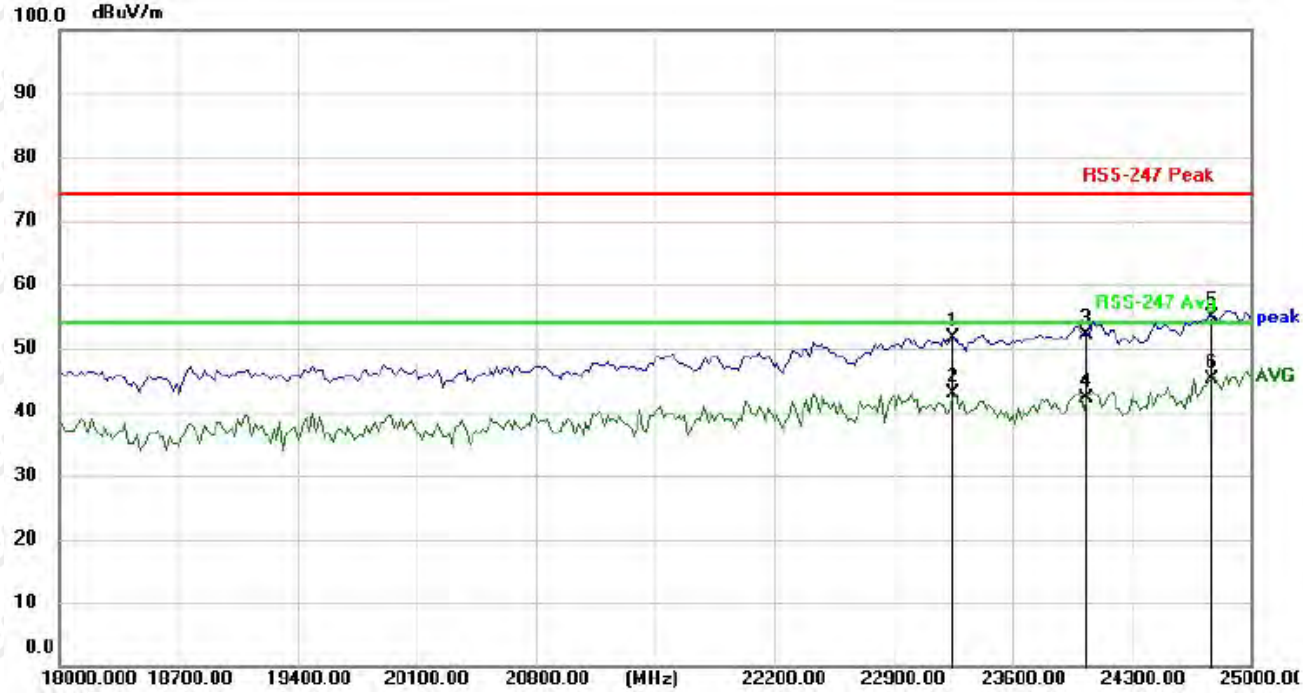
Antenna polarity: V



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		14600.000	36.08	10.52	46.60	74.00	-27.40	peak
2		14600.000	29.59	10.52	40.11	54.00	-13.89	AVG
3		16002.500	37.07	9.66	46.73	74.00	-27.27	peak
4		16002.500	31.11	9.66	40.77	54.00	-13.23	AVG
5		17702.500	31.67	18.94	50.61	74.00	-23.39	peak
6	*	17702.500	23.61	18.94	42.55	54.00	-11.45	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

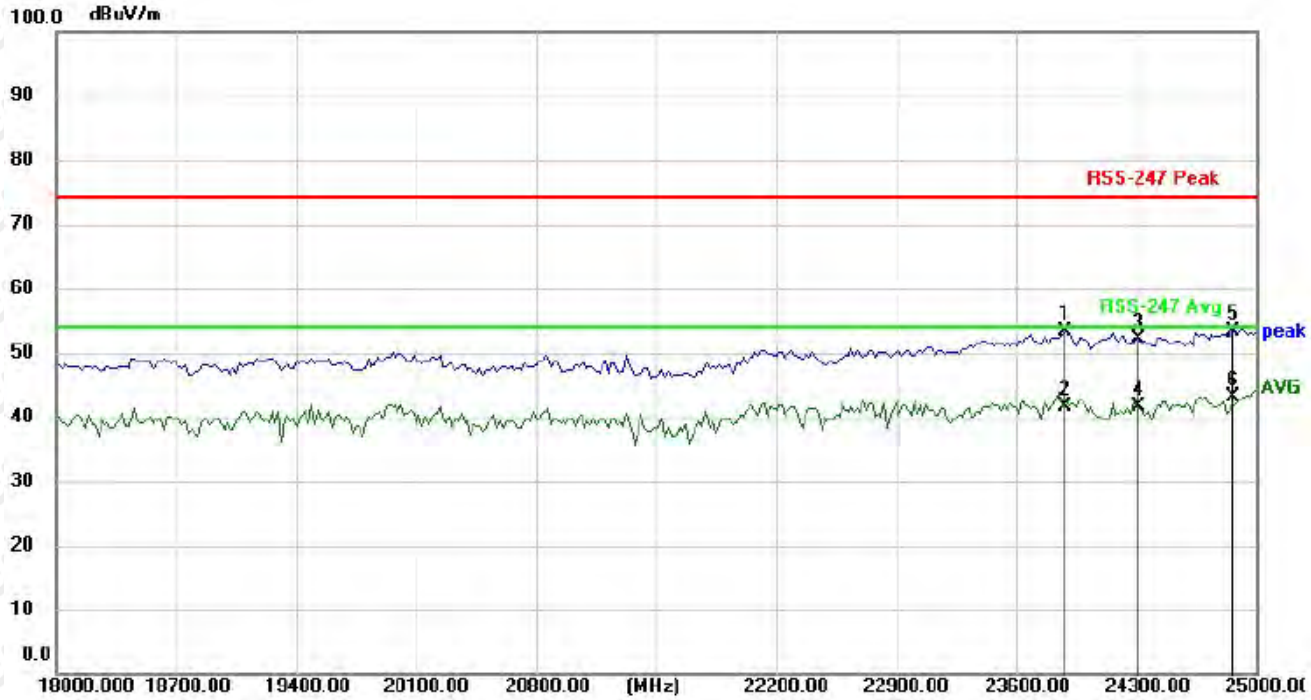
Antenna polarity: H
Worst mode :High CH7 802.11ax(HT20)/2437/ANT 1+ANT 2



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		23250.000	60.76	-9.19	51.57	74.00	-22.43	peak
2		23250.000	51.98	-9.19	42.79	54.00	-11.21	AVG
3		24037.500	60.19	-8.00	52.19	74.00	-21.81	peak
4		24037.500	50.03	-8.00	42.03	54.00	-11.97	AVG
5		24772.500	61.89	-6.89	55.00	74.00	-19.00	peak
6	*	24772.500	52.05	-6.89	45.16	54.00	-8.84	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

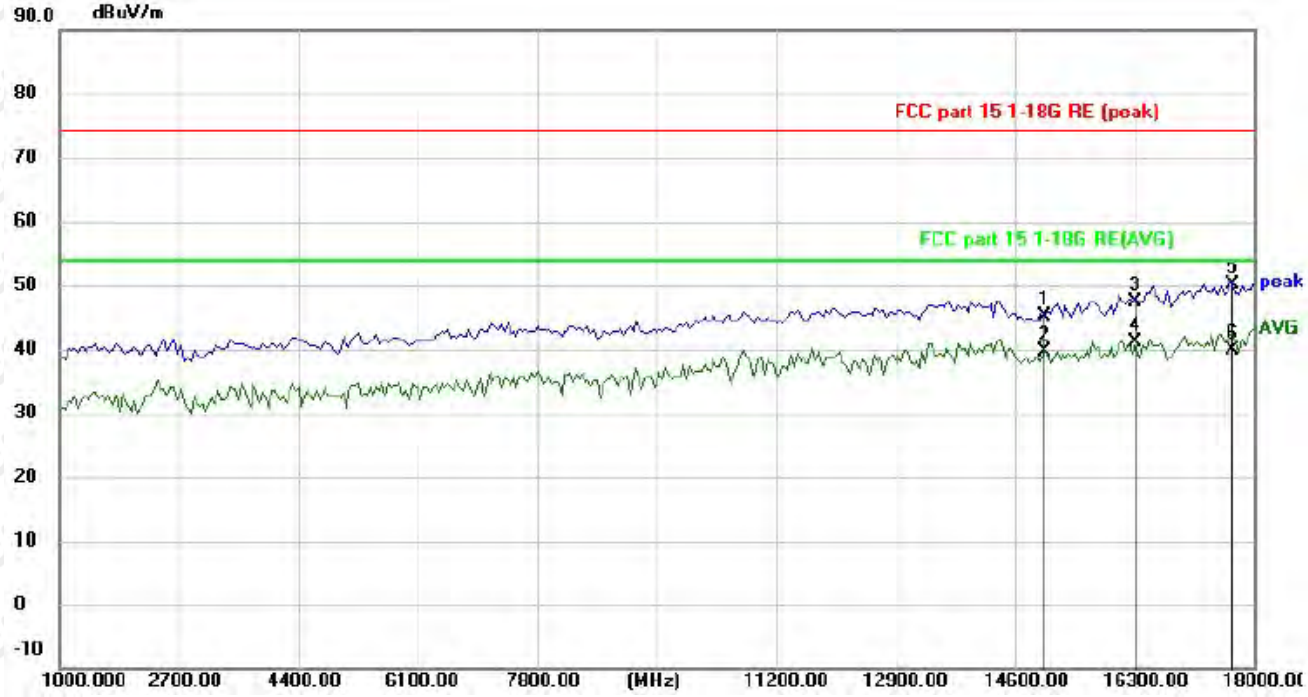
Antenna polarity: V



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		23880.000	61.61	-8.24	53.37	74.00	-20.63	peak
2		23880.000	49.85	-8.24	41.61	54.00	-12.39	AVG
3		24317.500	59.60	-7.58	52.02	74.00	-21.98	peak
4		24317.500	49.20	-7.58	41.62	54.00	-12.38	AVG
5		24860.000	60.05	-6.75	53.30	74.00	-20.70	peak
6	*	24860.000	49.83	-6.75	43.08	54.00	-10.92	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

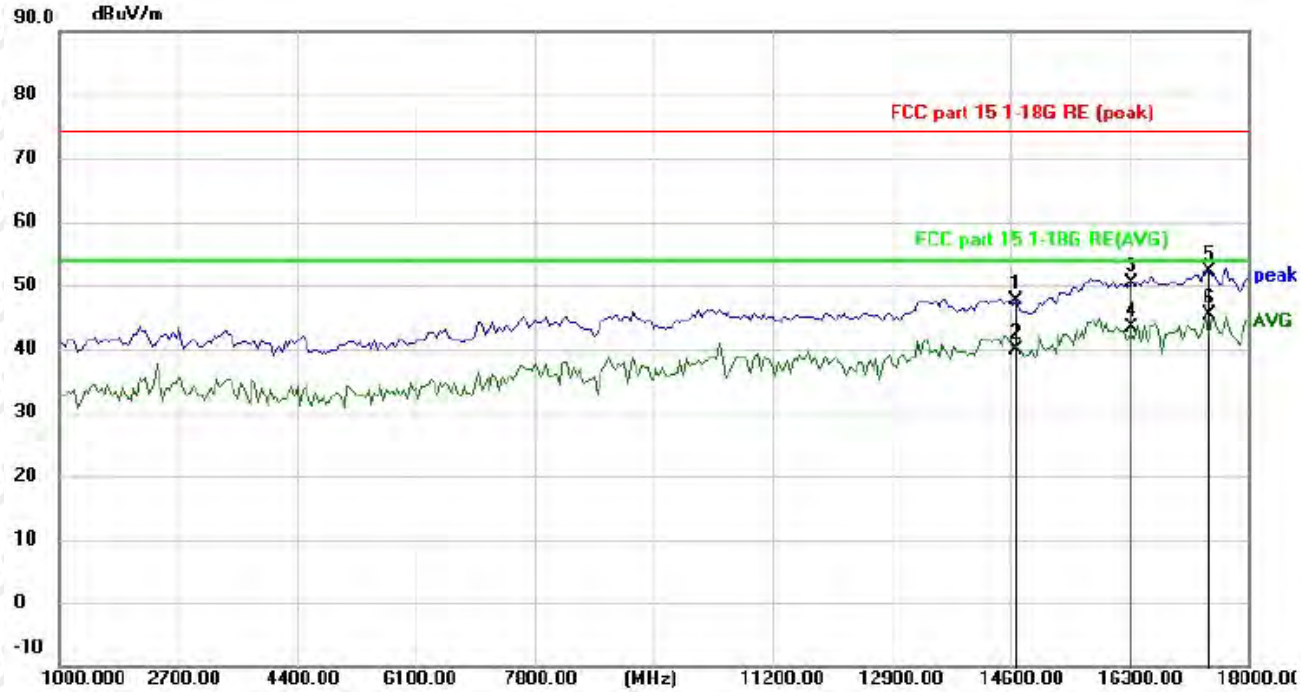
Antenna polarity: H
Worst mode :High CH11 802.11ax(HT20)/2462/ANT 1+ANT 2



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		15025.000	34.81	10.41	45.22	74.00	-28.78	peak
2		15025.000	29.26	10.41	39.67	54.00	-14.33	AVG
3		16300.000	36.51	10.89	47.40	74.00	-26.60	peak
4	*	16300.000	30.13	10.89	41.02	54.00	-12.98	AVG
5		17702.500	31.17	18.94	50.11	74.00	-23.89	peak
6		17702.500	20.95	18.94	39.89	54.00	-14.11	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

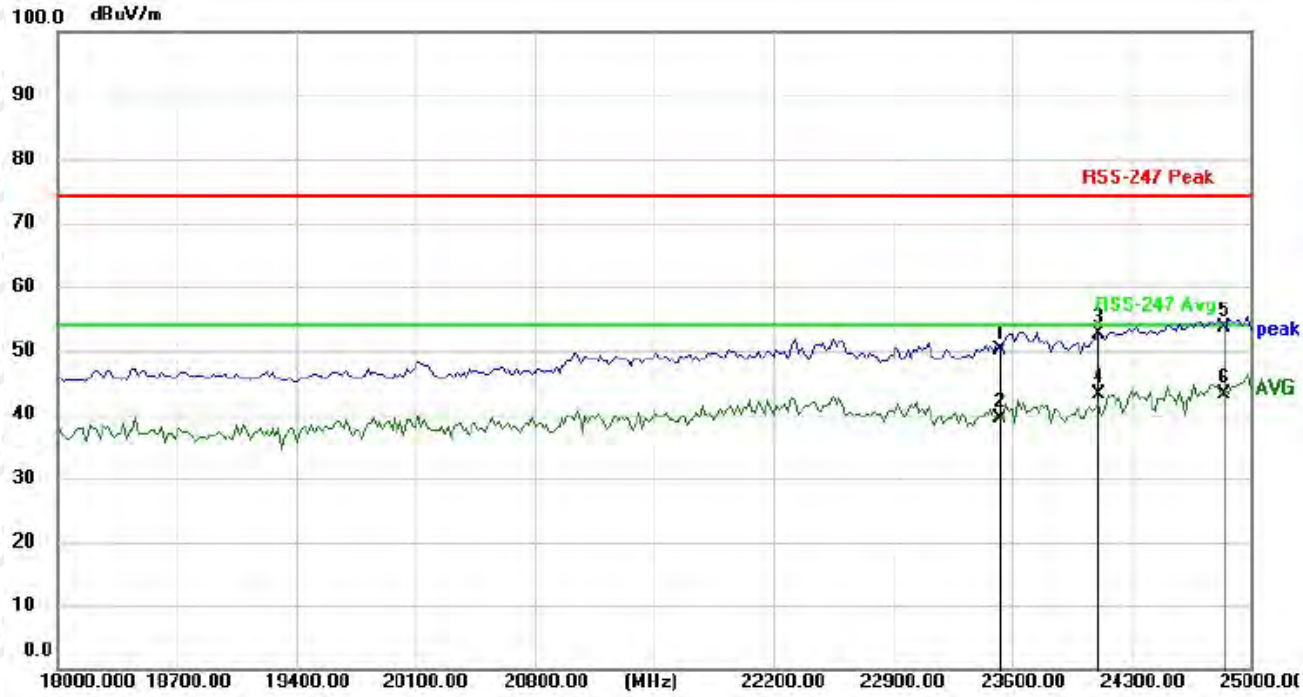
Antenna polarity: V



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		14685.000	37.22	10.50	47.72	74.00	-26.28	peak
2		14685.000	29.46	10.50	39.96	54.00	-14.04	AVG
3		16342.500	39.33	11.07	50.40	74.00	-23.60	peak
4		16342.500	32.42	11.07	43.49	54.00	-10.51	AVG
5		17447.500	35.11	17.07	52.18	74.00	-21.82	peak
6	*	17447.500	28.34	17.07	45.41	54.00	-8.59	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

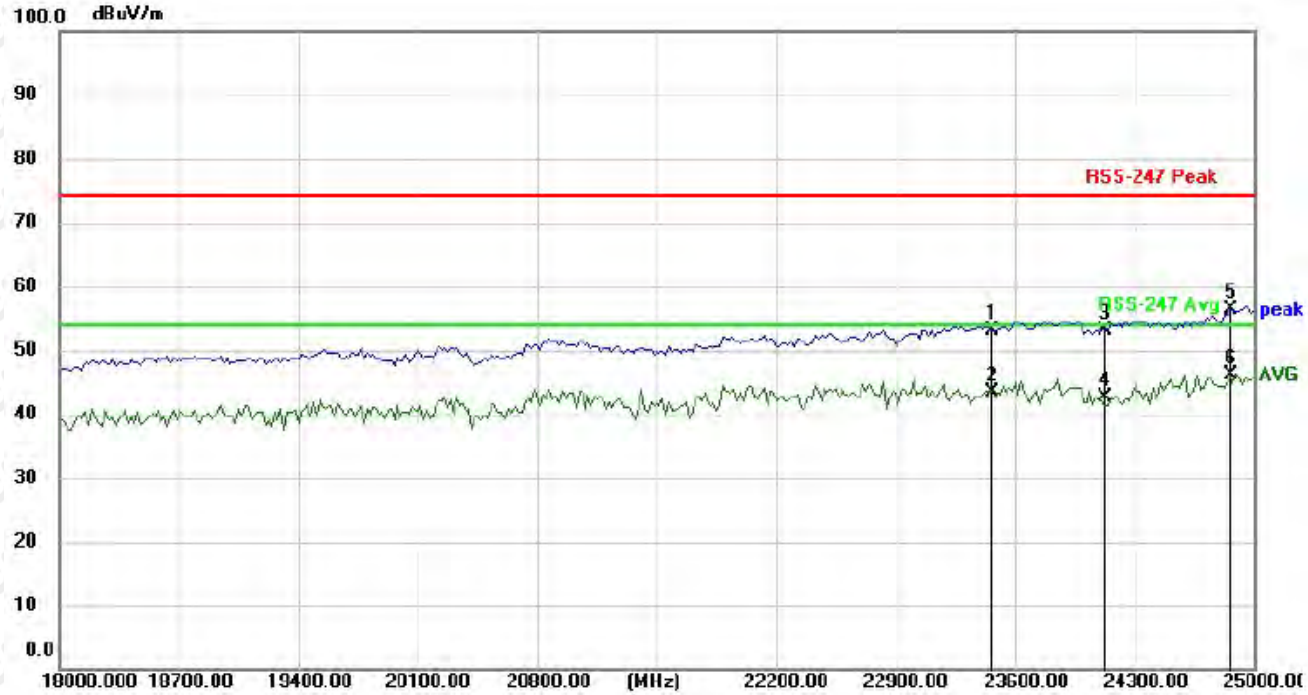
Antenna polarity: H
Worst mode :High CH11 802.11ax(HT20)/2462/ANT 1+ANT 2



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		23530.000	58.94	-8.77	50.17	74.00	-23.83	peak
2		23530.000	48.12	-8.77	39.35	54.00	-14.65	AVG
3		24107.500	60.50	-7.90	52.60	74.00	-21.40	peak
4	*	24107.500	50.96	-7.90	43.06	54.00	-10.94	AVG
5		24842.500	60.48	-6.78	53.70	74.00	-20.30	peak
6		24842.500	49.82	-6.78	43.04	54.00	-10.96	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Antenna polarity: V



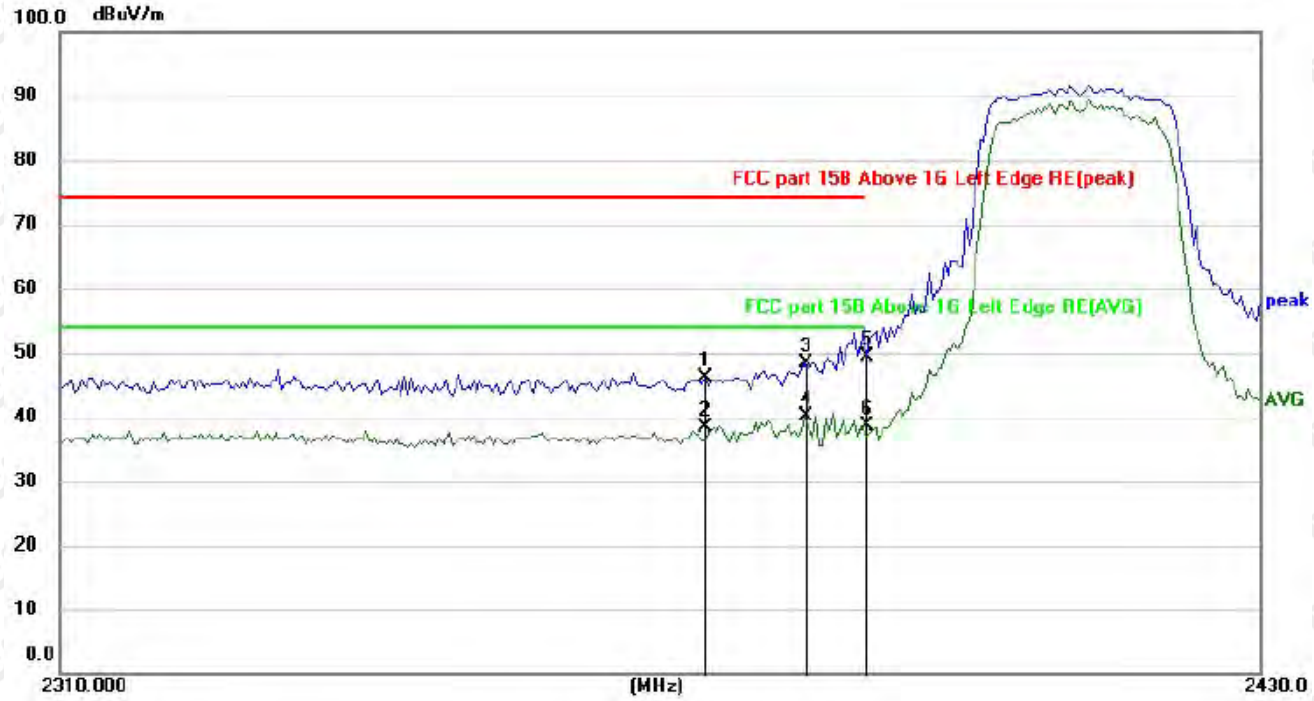
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		23460.000	62.00	-8.87	53.13	74.00	-20.87	peak
2		23460.000	52.28	-8.87	43.41	54.00	-10.59	AVG
3		24125.000	60.91	-7.87	53.04	74.00	-20.96	peak
4		24125.000	50.43	-7.87	42.56	54.00	-11.44	AVG
5		24860.000	63.05	-6.75	56.30	74.00	-17.70	peak
6	*	24860.000	52.90	-6.75	46.15	54.00	-7.85	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Remark :
(1) Measuring frequencies from 1 GHz to the 25 GHz。
(2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
(3) Data of measurement within this frequency range shown “--- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
(4) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed
(5)Have tested in three orientations for radiated emissions, Only The worst record is in this report

Restricted bands around fundamental frequency (Radiated)

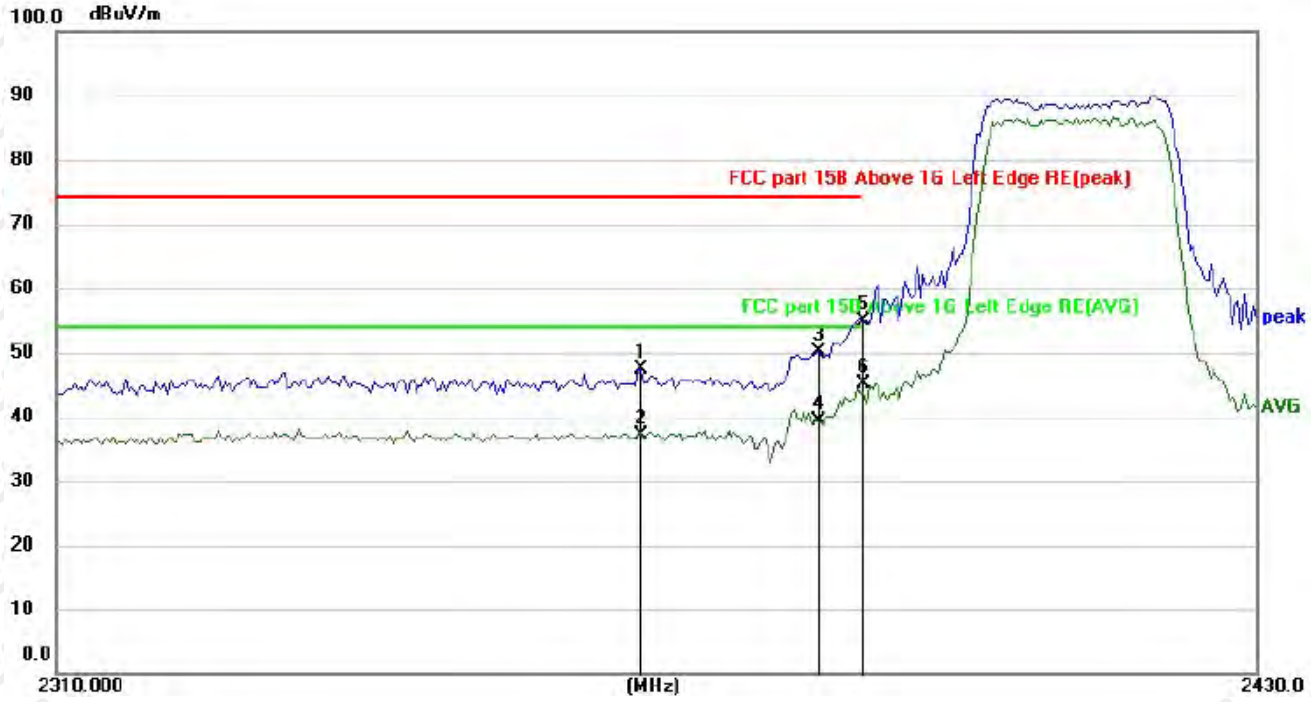
Antenna polarity: H
Worst mode :High CH1 802.11ax(HT20)/2412/ANT 1+ANT 2



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		2373.744	65.85	-19.77	46.08	74.00	-27.92	peak
2		2373.744	58.24	-19.77	38.47	54.00	-15.53	AVG
3		2383.683	68.19	-19.71	48.48	74.00	-25.52	peak
4	*	2383.683	59.88	-19.71	40.17	54.00	-13.83	AVG
5		2390.000	69.08	-19.68	49.40	74.00	-24.60	peak
6		2390.000	58.20	-19.68	38.52	54.00	-15.48	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

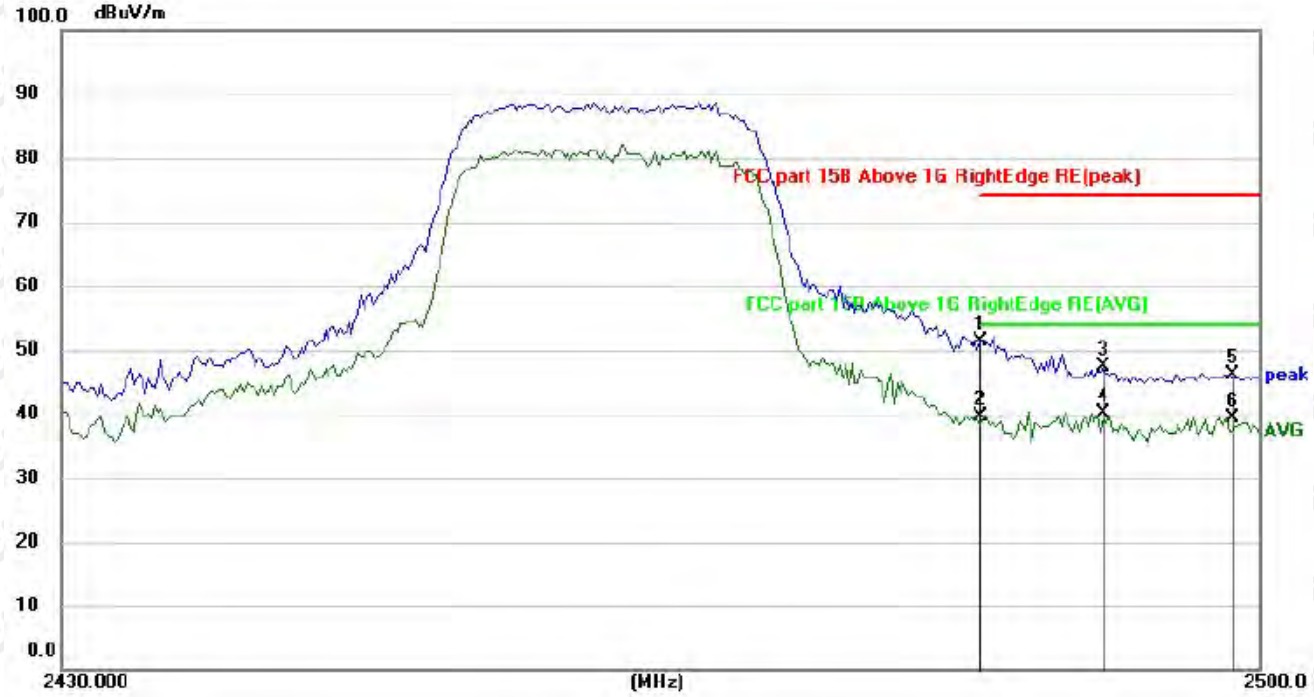
Antenna polarity: V



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		2367.741	67.29	-19.80	47.49	74.00	-26.51	peak
2		2367.741	56.82	-19.80	37.02	54.00	-16.98	AVG
3		2385.494	69.79	-19.70	50.09	74.00	-23.91	peak
4		2385.494	59.06	-19.70	39.36	54.00	-14.64	AVG
5		2390.000	74.59	-19.68	54.91	74.00	-19.09	peak
6	*	2390.000	64.70	-19.68	45.02	54.00	-8.98	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

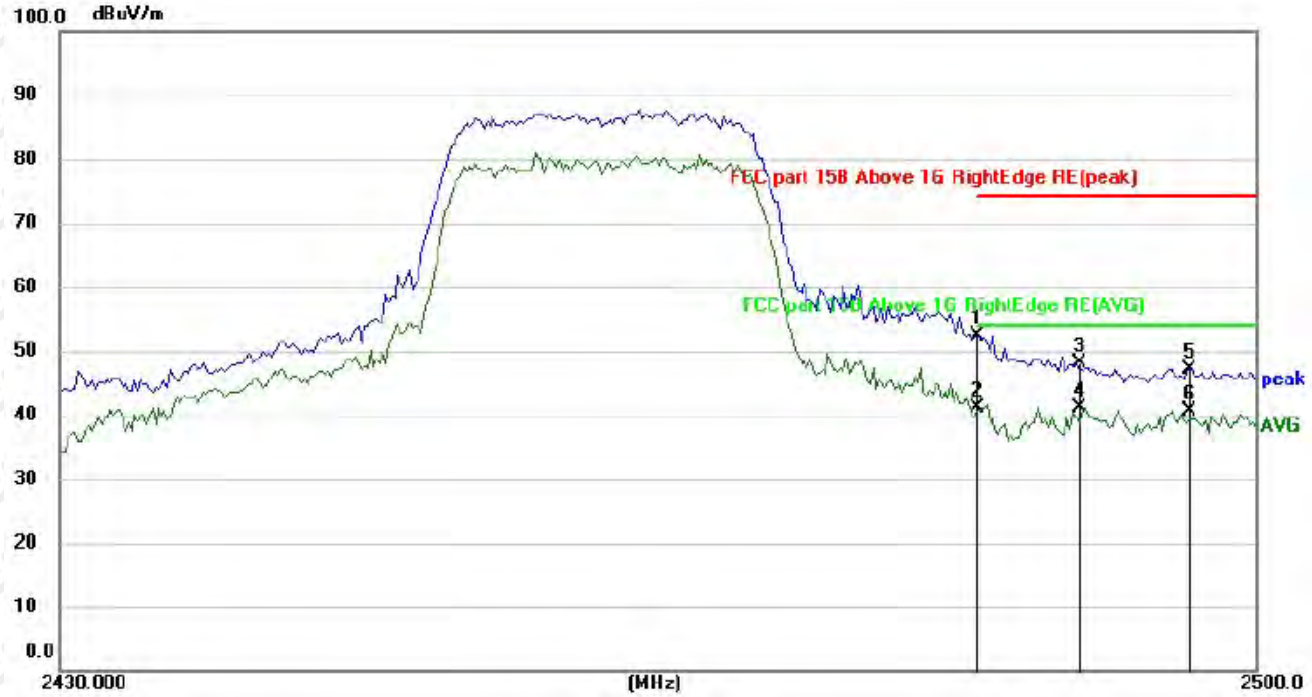
Antenna polarity: H
Worst mode :High CH11 802.11ax(HT20)/2462/ANT 1+ANT 2



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		2483.500	70.47	-19.15	51.32	74.00	-22.68	peak
2		2483.500	58.85	-19.15	39.70	54.00	-14.30	AVG
3		2490.787	66.44	-19.11	47.33	74.00	-26.67	peak
4	*	2490.787	59.23	-19.11	40.12	54.00	-13.88	AVG
5		2498.226	65.16	-19.07	46.09	74.00	-27.91	peak
6		2498.226	58.51	-19.07	39.44	54.00	-14.56	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Antenna polarity: V



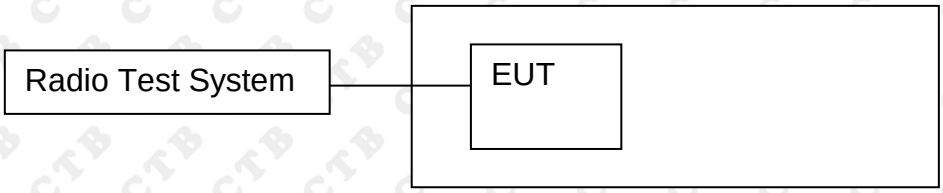
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		2483.500	71.45	-19.15	52.30	74.00	-21.70	peak
2	*	2483.500	60.38	-19.15	41.23	54.00	-12.77	AVG
3		2489.373	67.18	-19.12	48.06	74.00	-25.94	peak
4		2489.373	60.20	-19.12	41.08	54.00	-12.92	AVG
5		2496.098	66.25	-19.08	47.17	74.00	-26.83	peak
6		2496.098	59.64	-19.08	40.56	54.00	-13.44	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Note: All modes of 802.11b, 802.11g , 802.11n20, 802.11n40, 802.11ax20, 802.11ax40 were test at Low, High channel, ANT 1,ANT 2 and ANT 1+ANT 2 tested and passed, the worst result of (802.11ax20 Mode) ANT 1+ ANT 2 was reported

8. BAND EDGE AND RF CONDUCTED SPURIOUS EMISSIONS

8.1 Block Diagram Of Test Setup



8.2 Limit

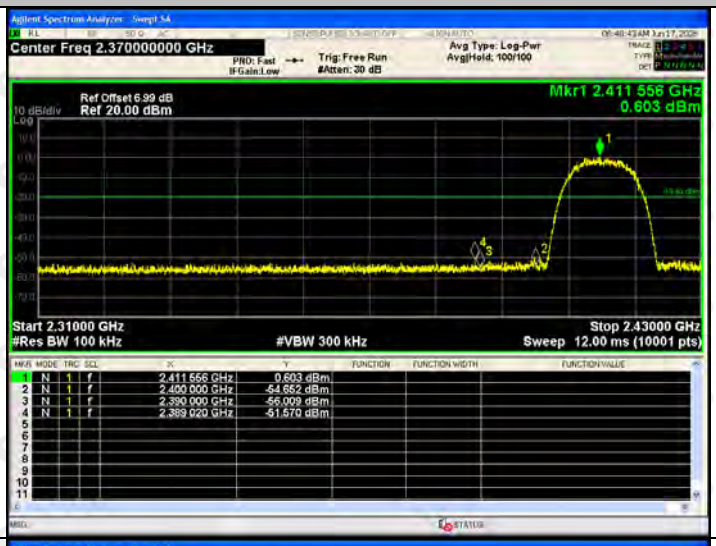
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

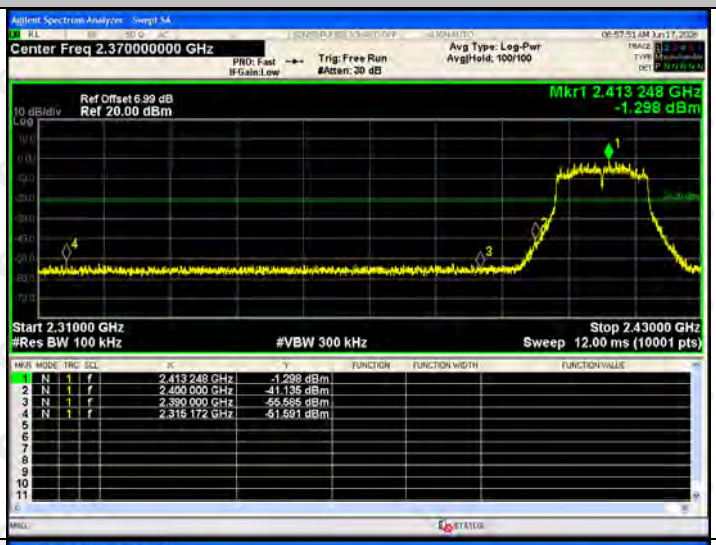
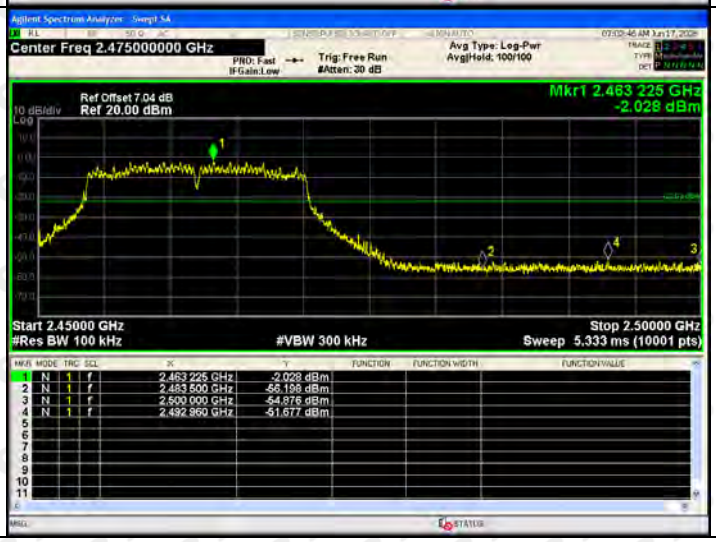
8.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:
Blow 30MHz:
RBW = 100kHz, VBW = 300kHz, Sweep = auto
Detector function = peak, Trace = max hold
Above 30MHz:
RBW = 100kHz, VBW = 300KHz, Sweep = auto
Detector function = peak, Trace = max hold

8.4 Test Result

ANT1:

BAND EDGE Graphs			
802.11b/LCH			
802.11b/HCH			

BAND EDGE Graphs			
802.11g/LCH			
802.11g/HCH			

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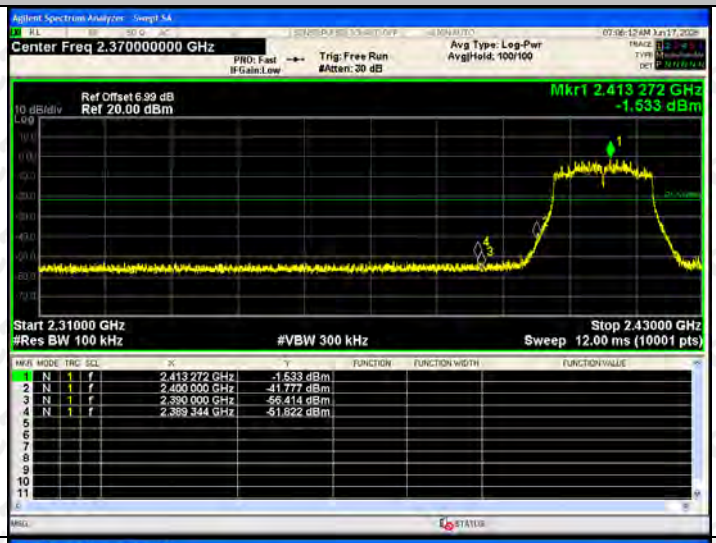
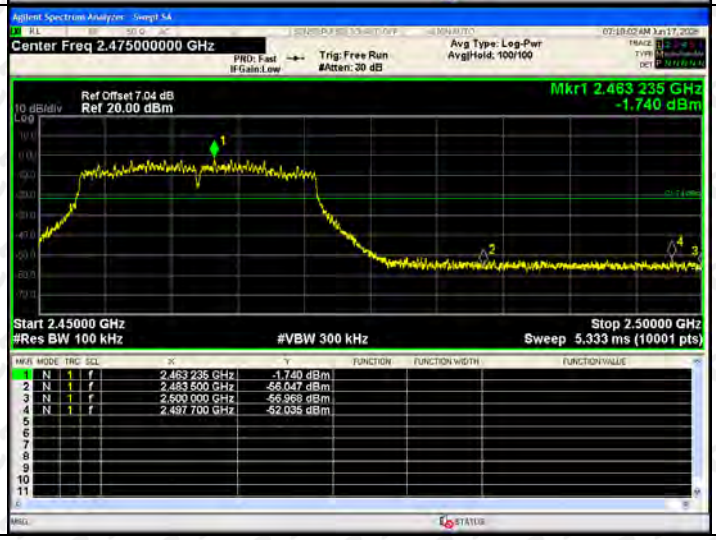
802.11n(HT20)/LCH			
802.11n(HT20)/HCH			

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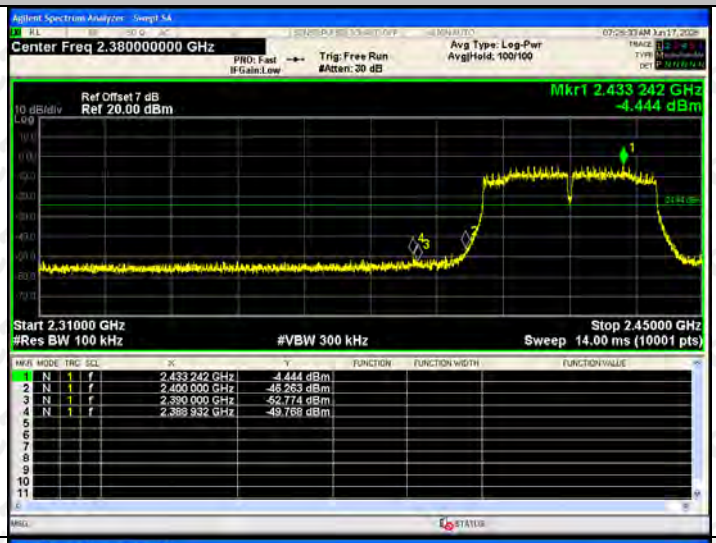
802.11n(HT40)/LCH			
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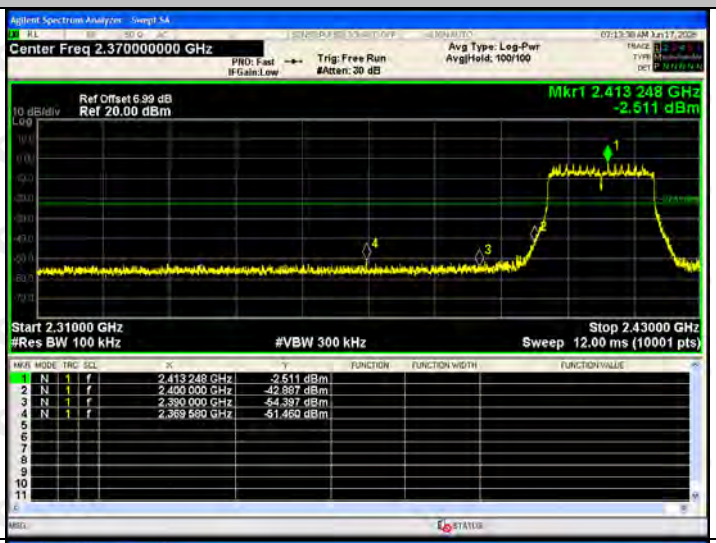
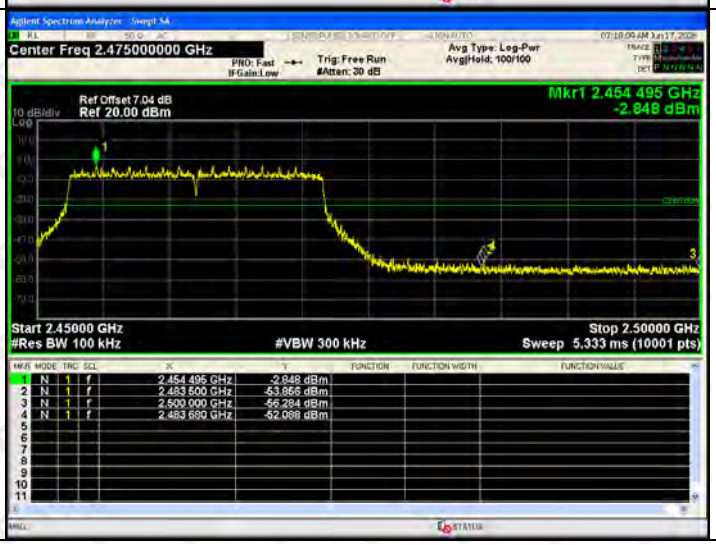
802.11ax(HE20)/ LCH			
802.11ax(HE20)/ HCH			

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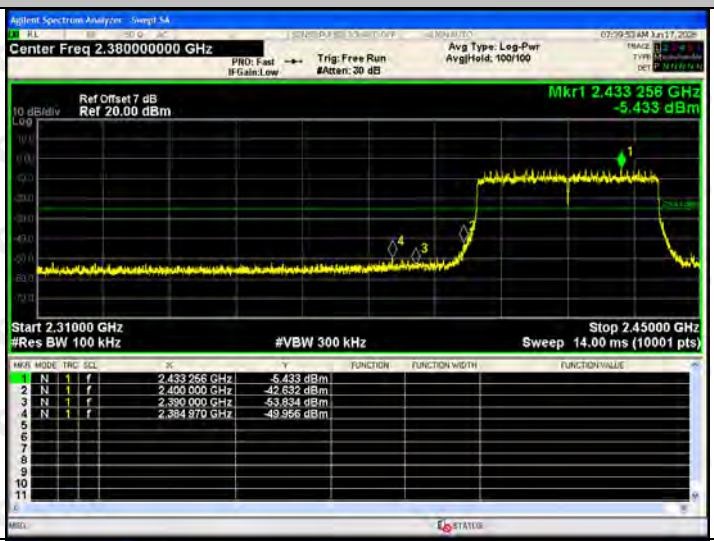
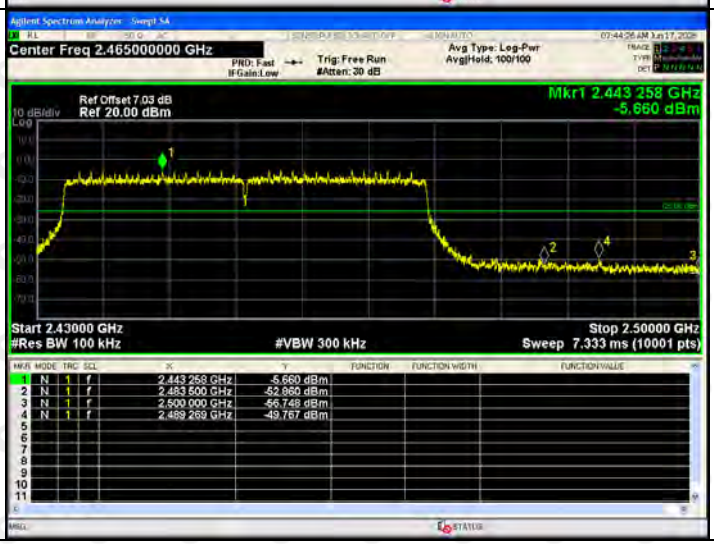
802.11ax(HE40)/ LCH			
802.11ax(HE40)/ HCH			

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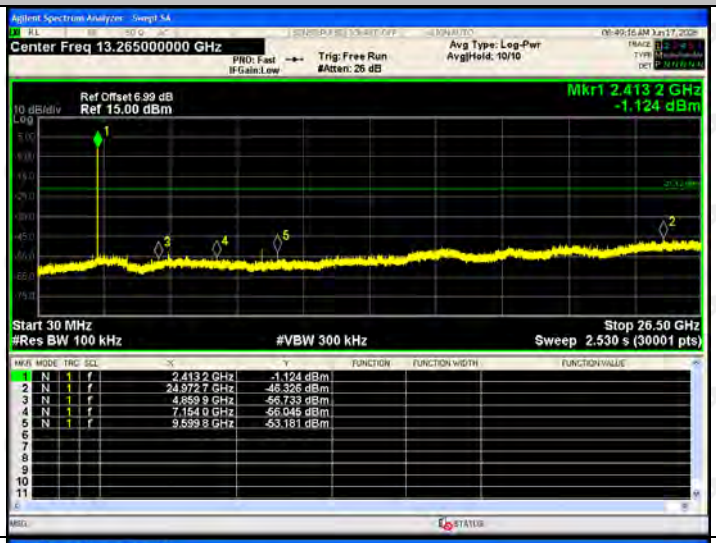
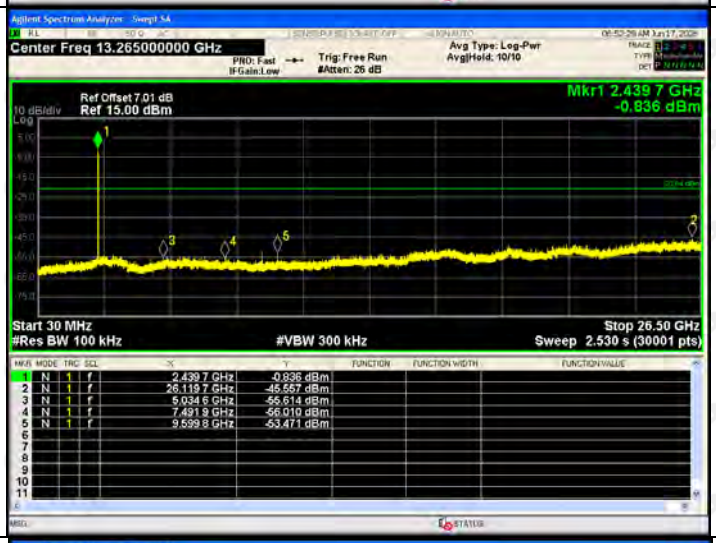
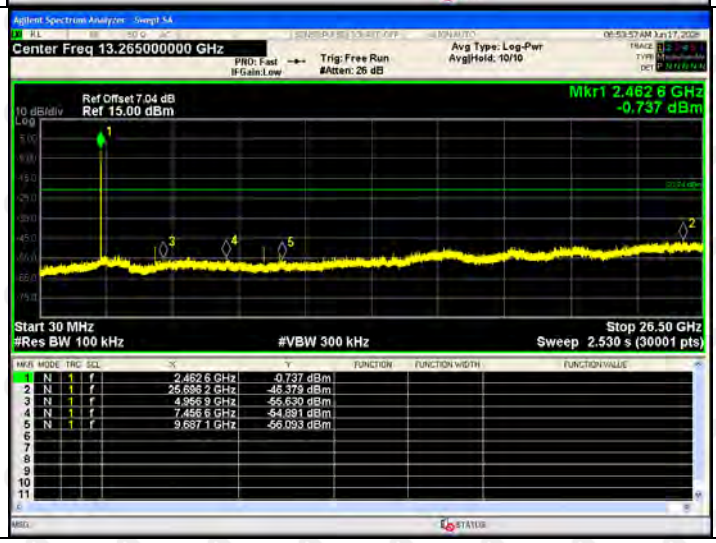
802.11b/LCH			
802.11b/MCH			
802.11b/HCH			

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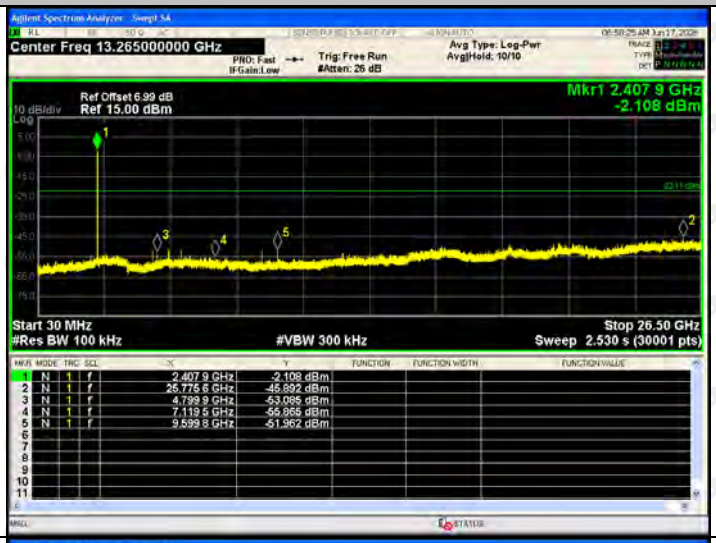
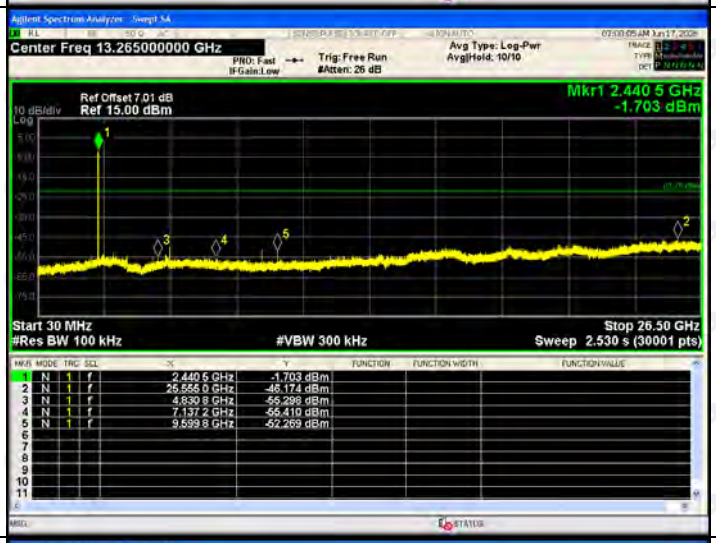
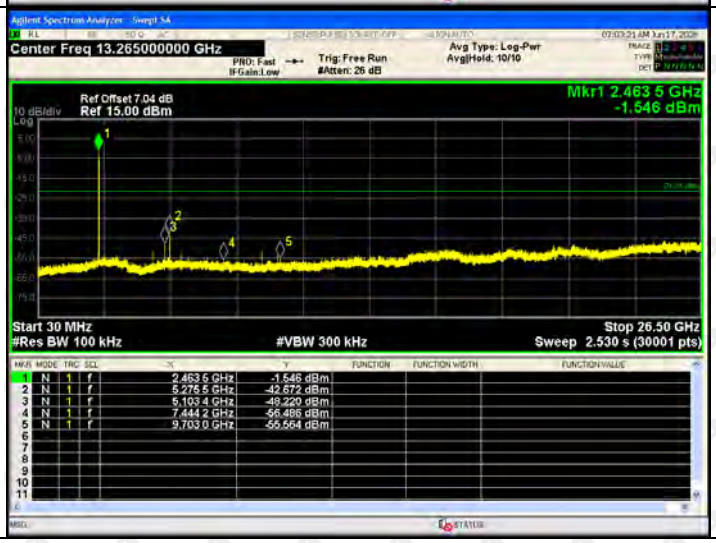
802.11g/LCH			
802.11g/MCH			
802.11g/HCH			

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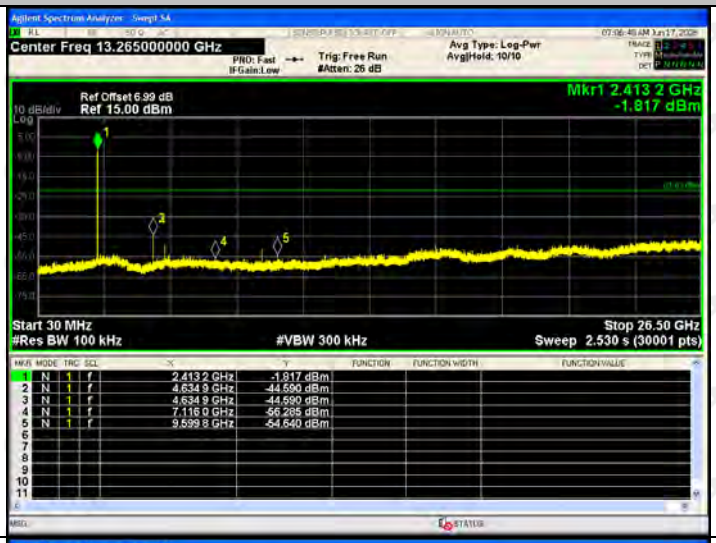
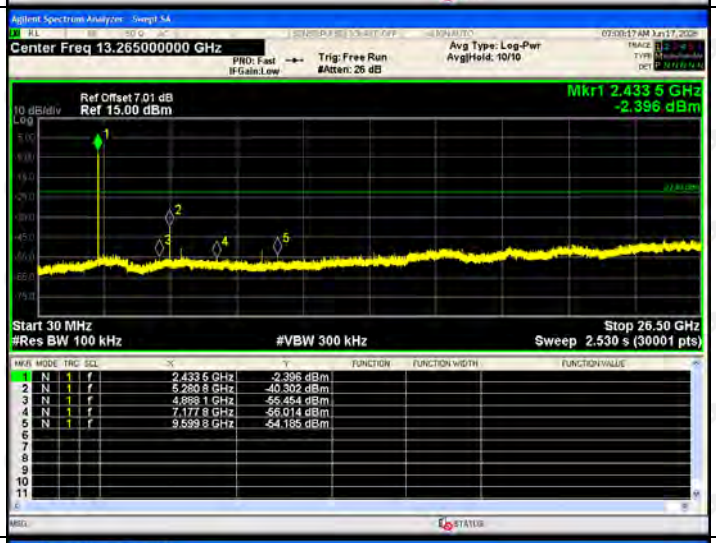
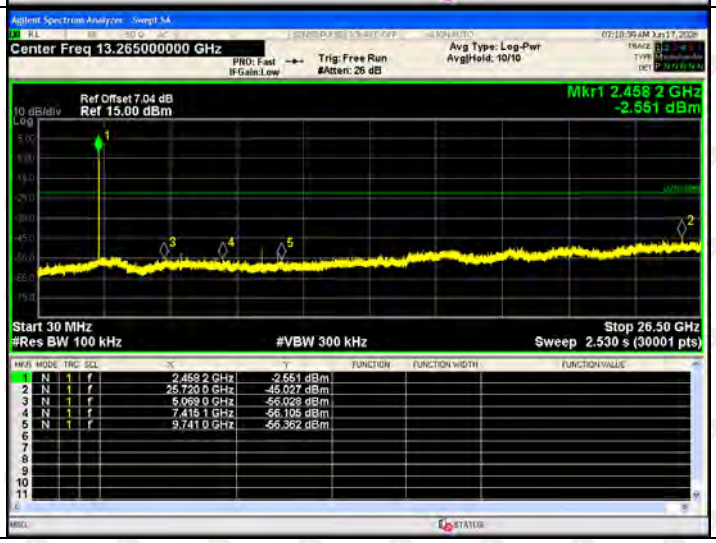
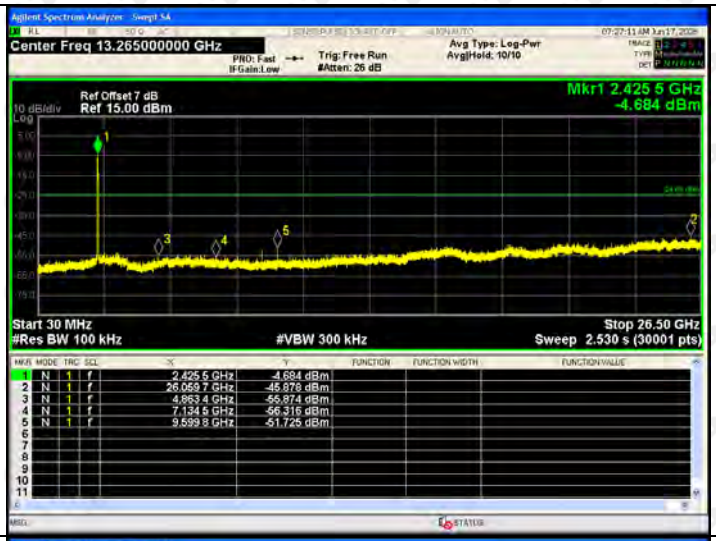
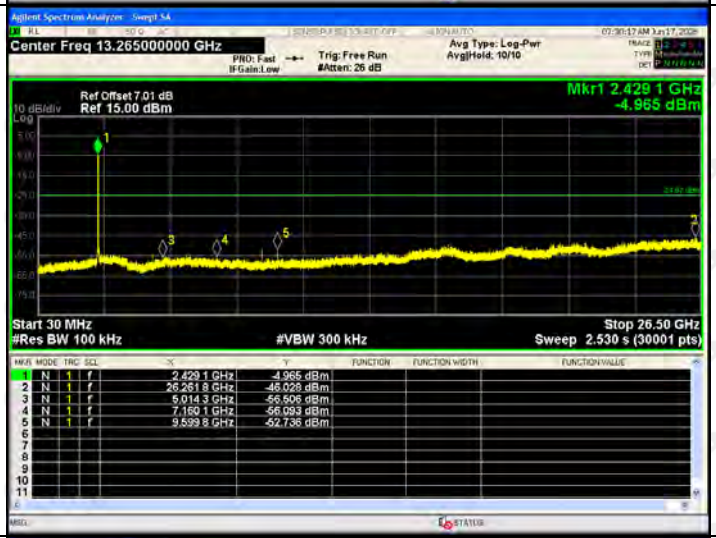
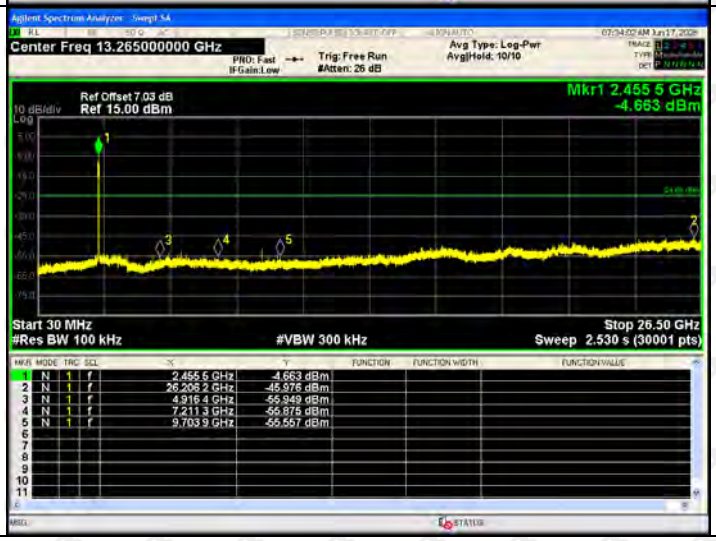
802.11n(HT20)/ LCH			
802.11n(HT20)/ MCH			
802.11n(HT20)/ HCH			

802.11n(HT40)/ LCH		
802.11n(HT40)/ MCH		
802.1n(HT40)/ HCH		

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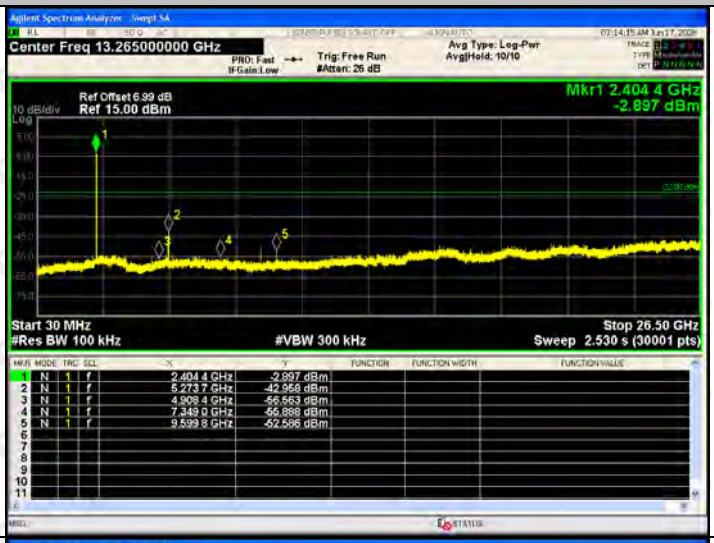
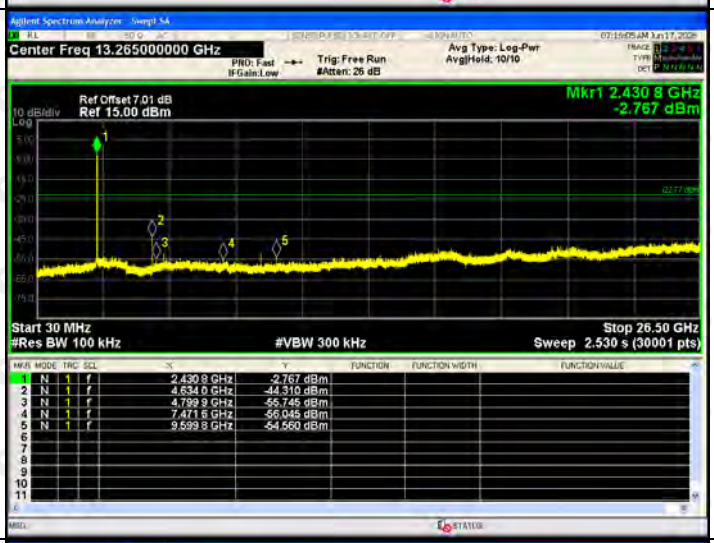
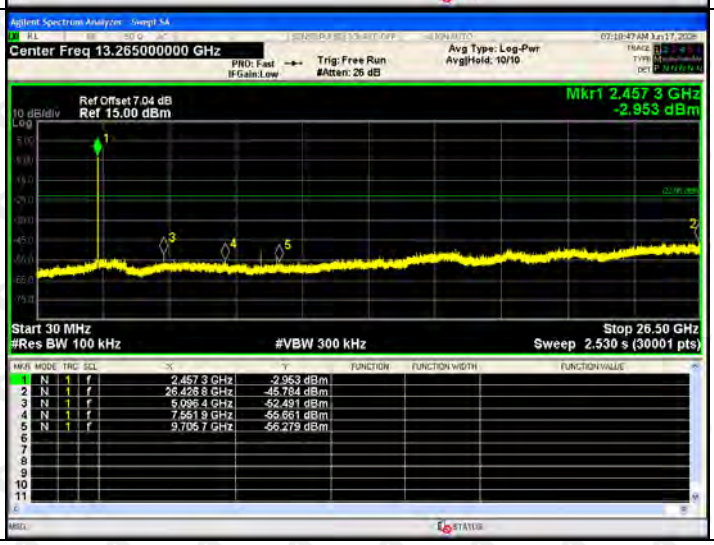
802.11ax(HE20)/ LCH			
802.11ax(HE20)/ MCH			
802.11ax(HE20)/ HCH			

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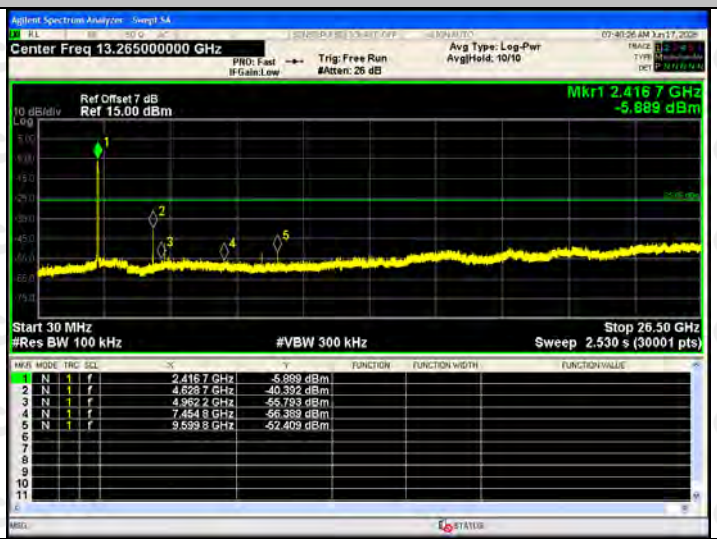
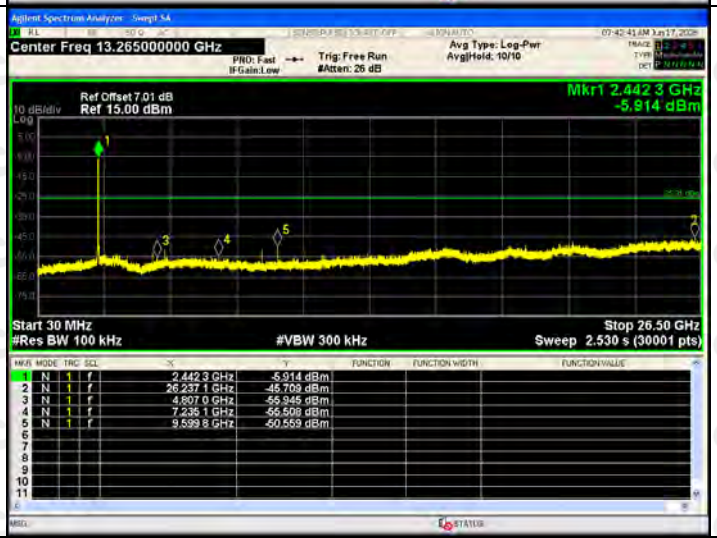
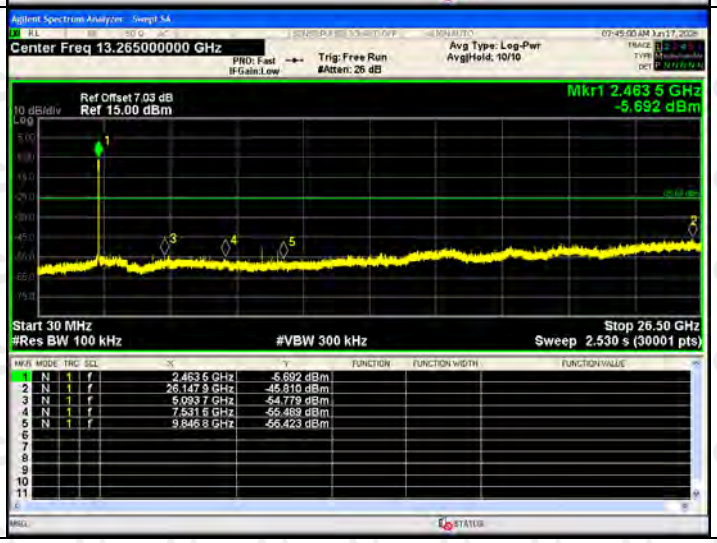
802.11ax(HE40)/ LCH			
802.11ax(HE40)/ MCH			
802.11ax(HE40)/ HCH			

ANT2:

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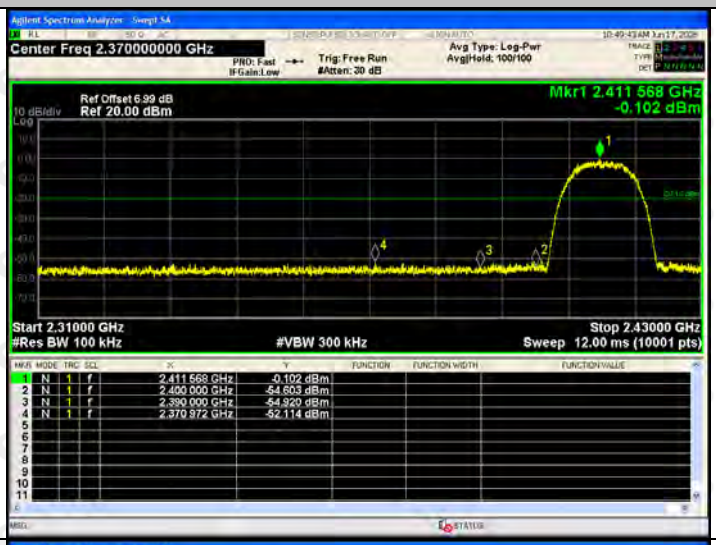
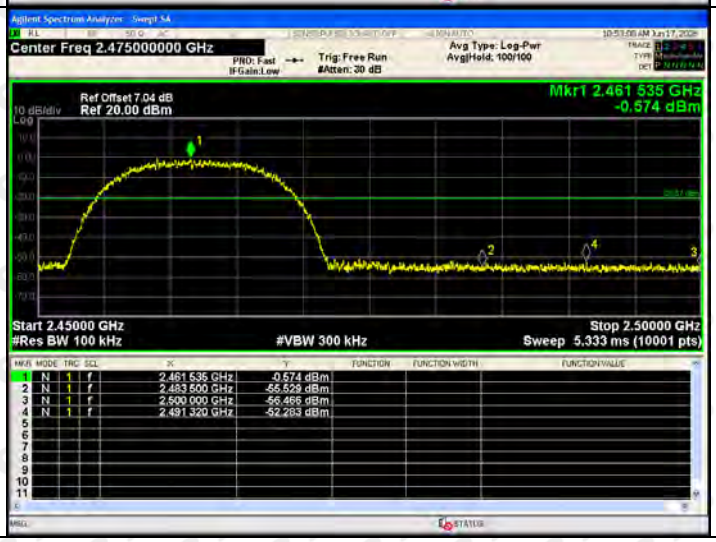
802.11b/LCH			
802.11b/HCH			

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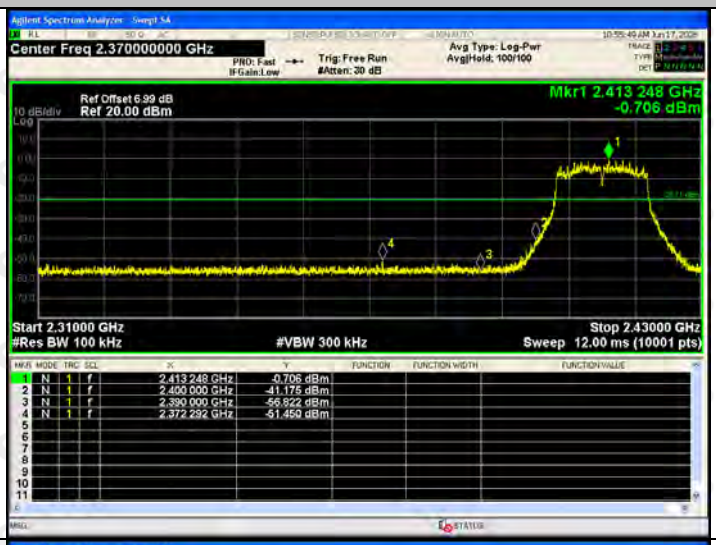
802.11g/LCH			
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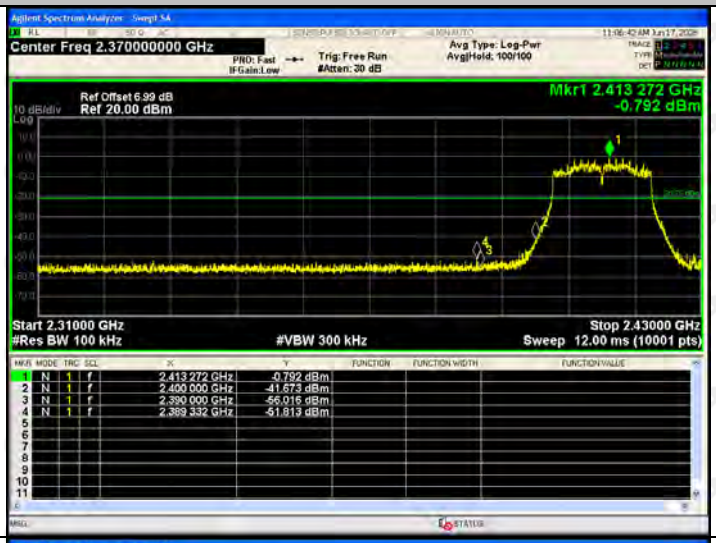
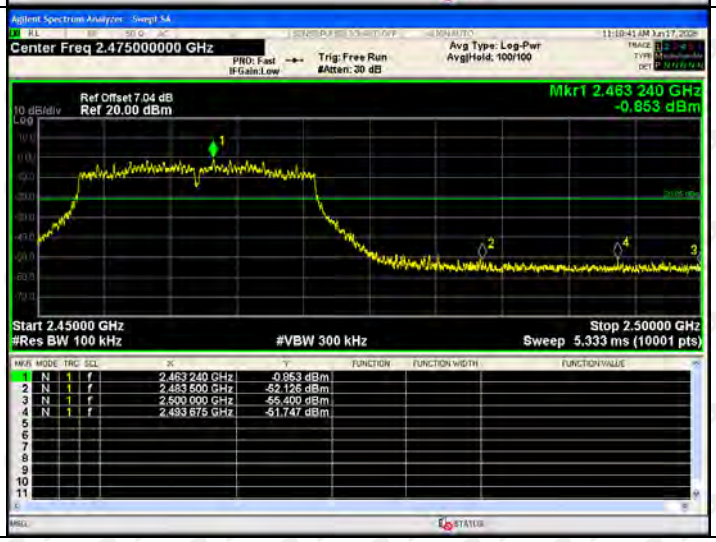
802.11n(HT20)/ LCH			
802.11n(HT20)/ HCH			

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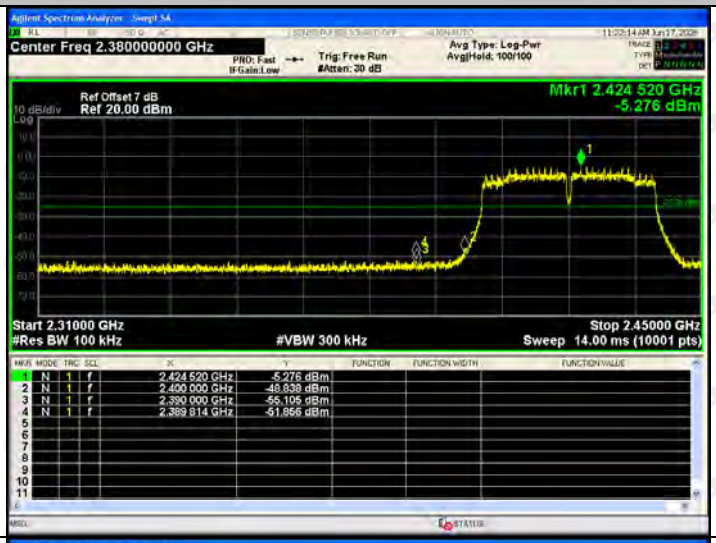
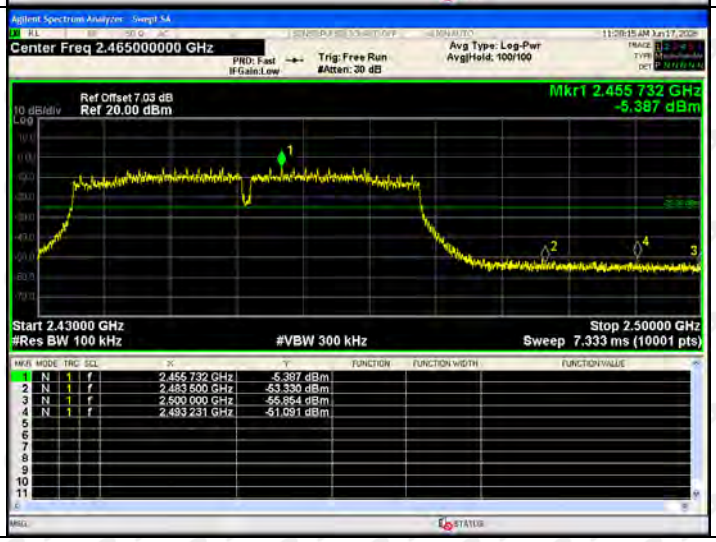
802.11n(HT40)/ LCH			
802.11n(HT40)/ HCH			

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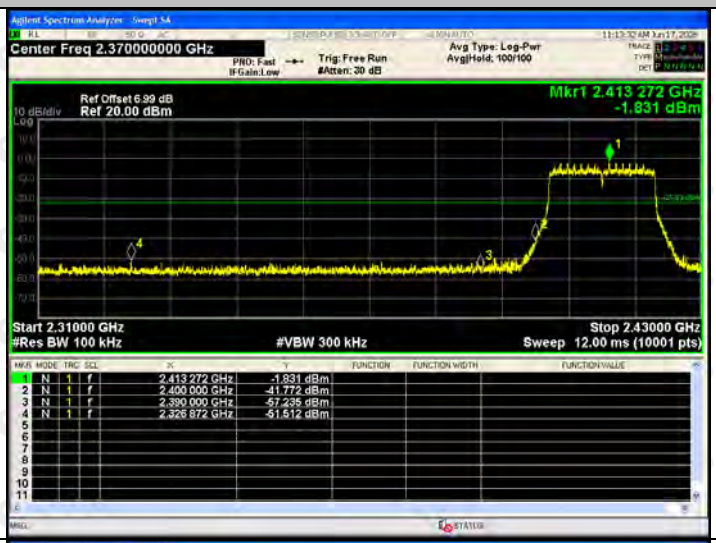
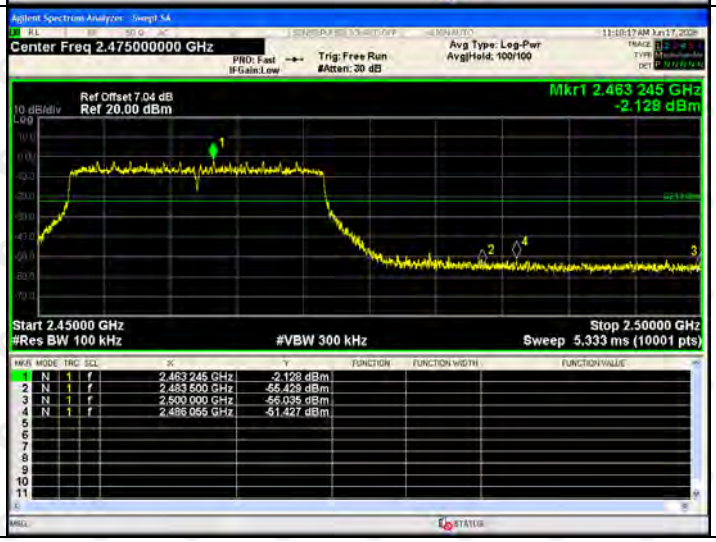
802.11ax(HE20)/ LCH			
802.11ax(HE20)/ HCH			

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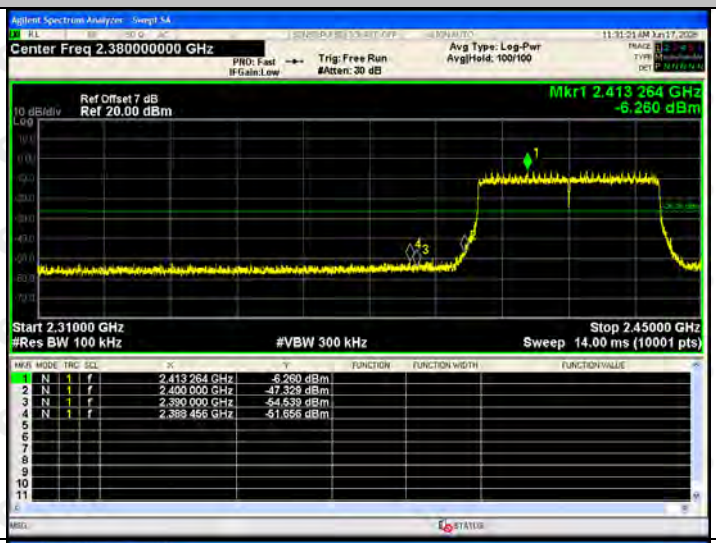
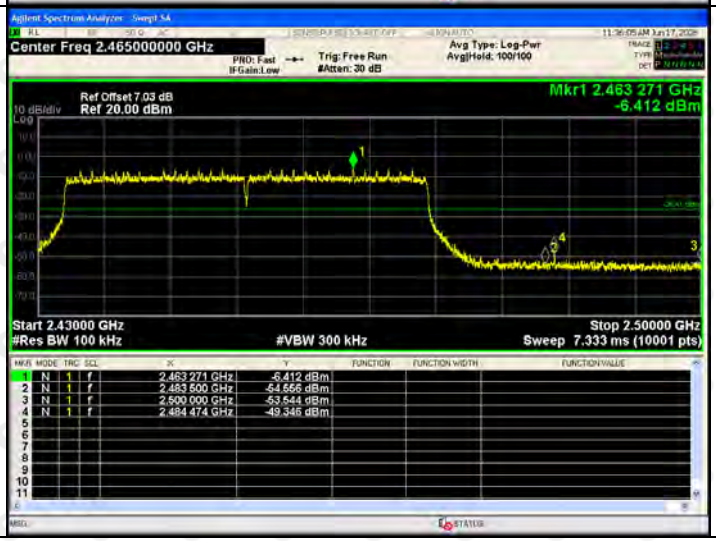
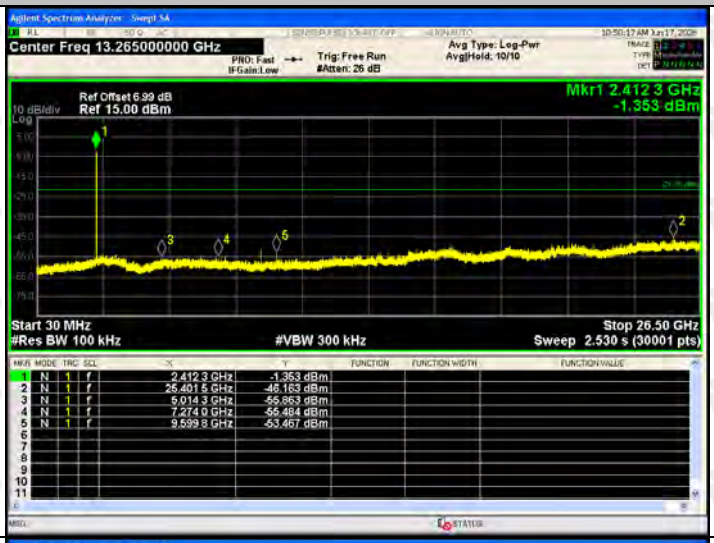
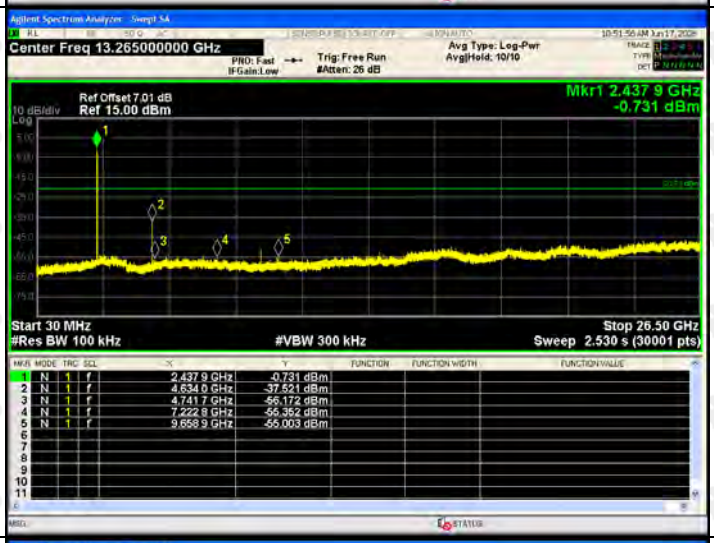
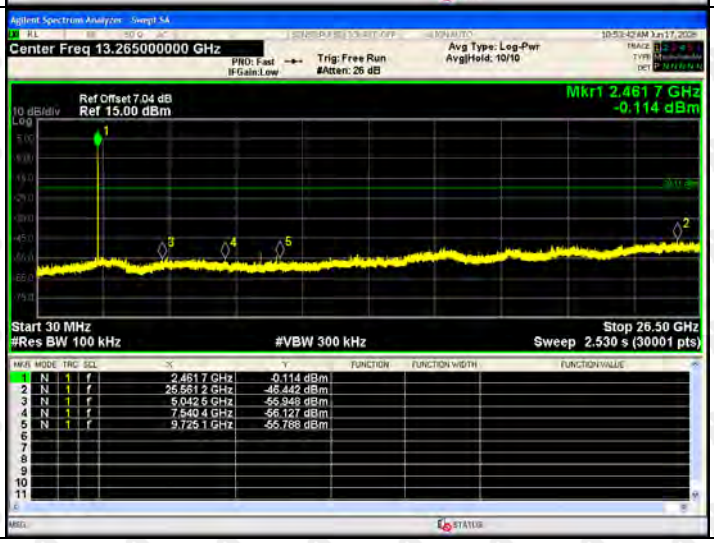
802.11ax(HE40)/LCH			
802.11ax(HE40)/HCH			

RF Conducted Spurious Emissions Graphs			
802.11b/LCH			
802.11b/MCH			
802.11b/HCH			

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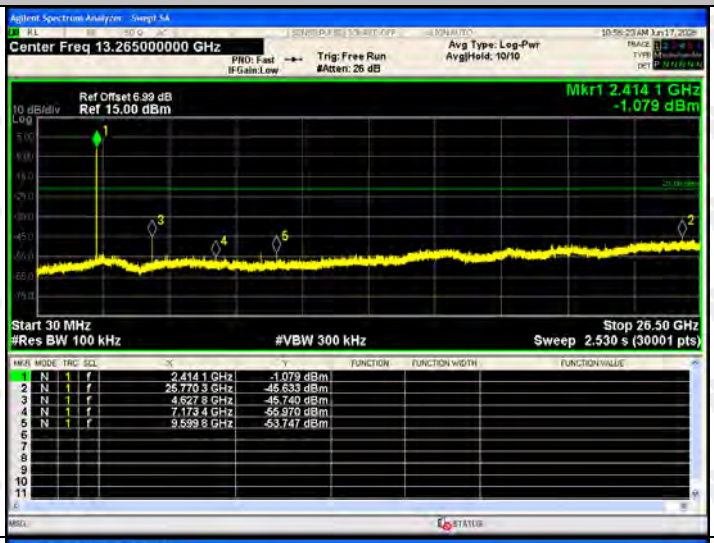
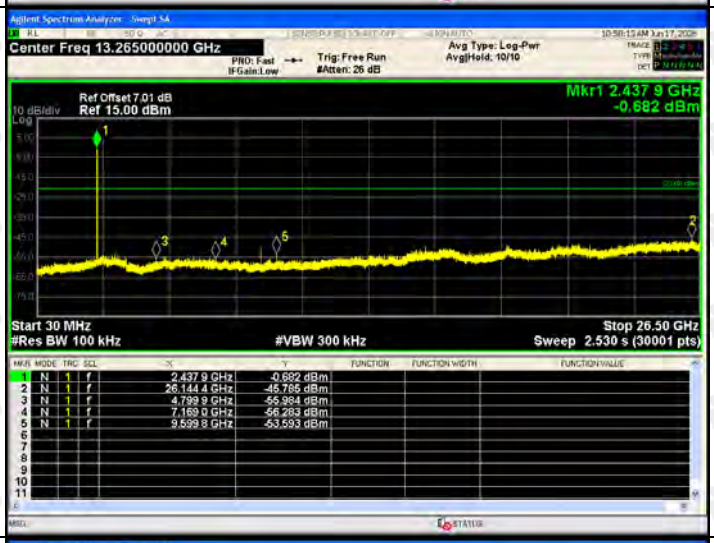
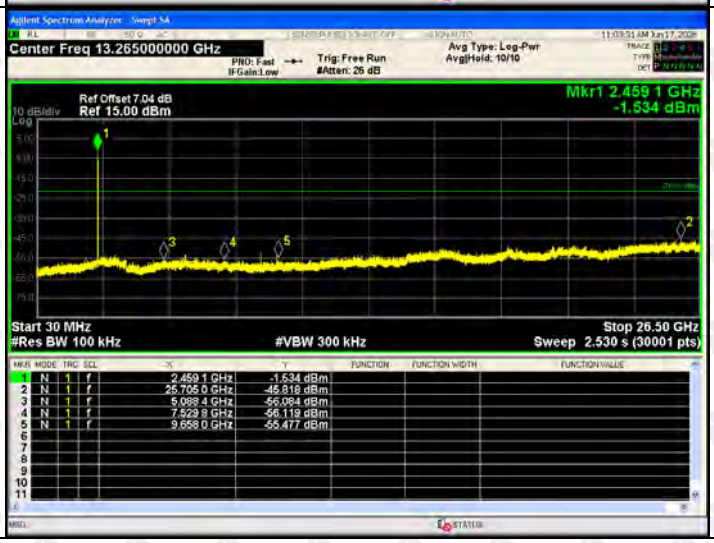
802.11g/LCH			
802.11g/MCH			
802.11g/HCH			

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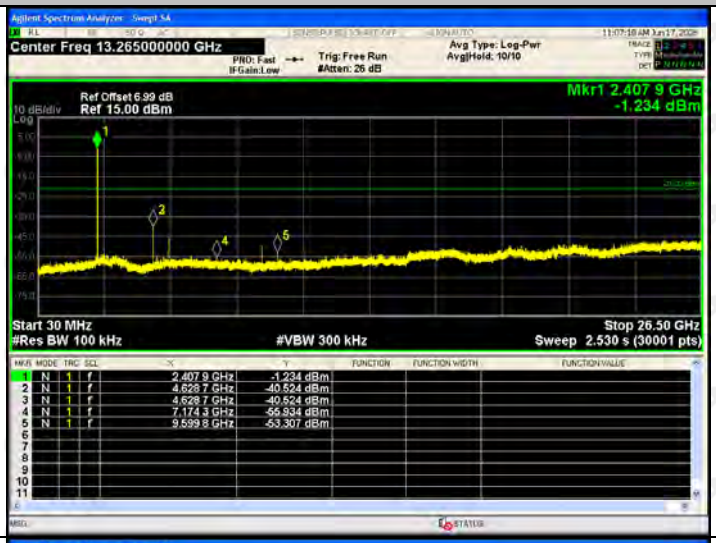
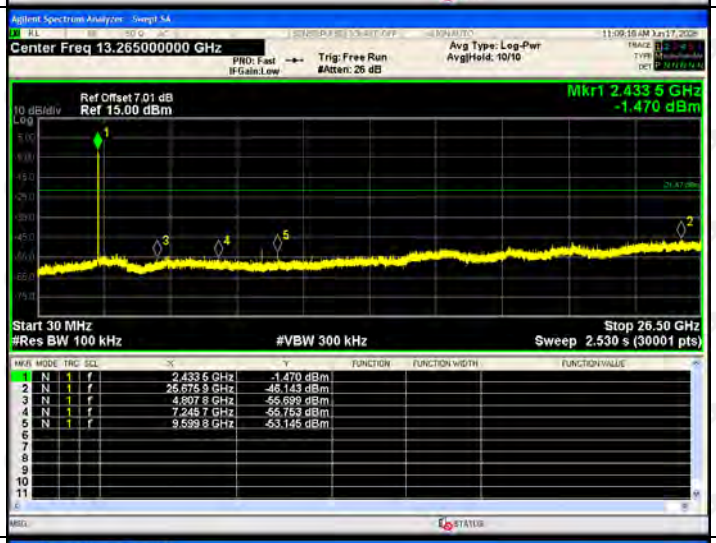
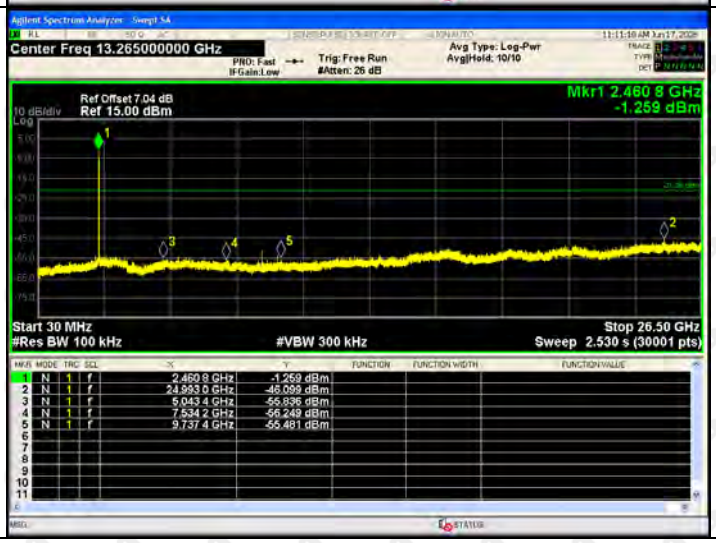
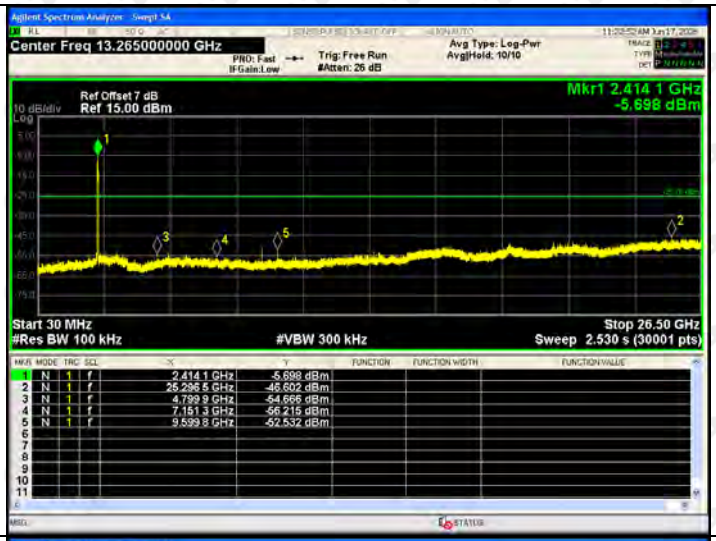
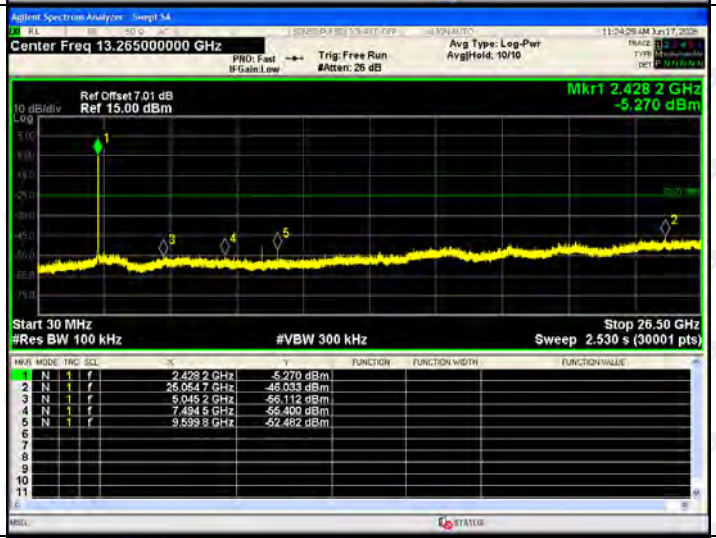
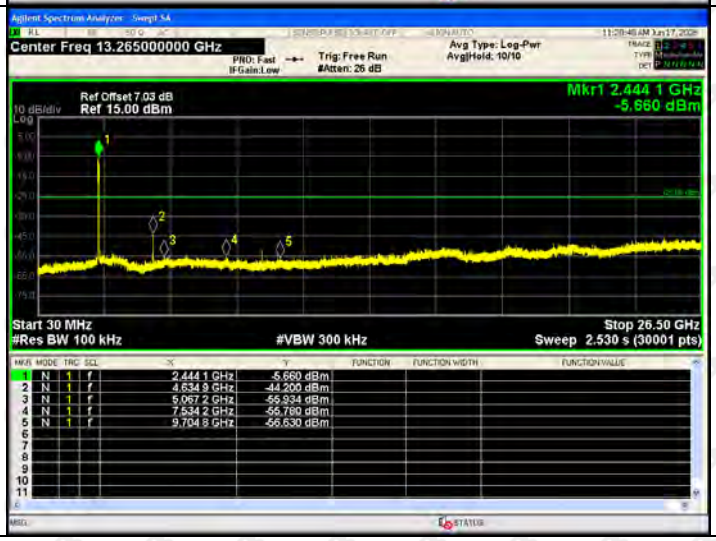
802.11n(HT20) /LCH			
802.11n(HT20) /MCH			
802.11n(HT20) /HCH			

802.11n(HT40) /LCH		
802.11n(HT40) /MCH		
802.11n(HT40) /HCH		

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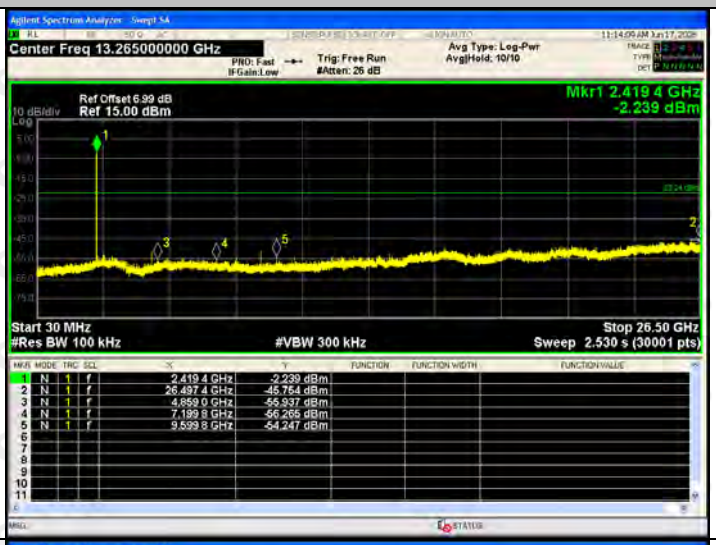
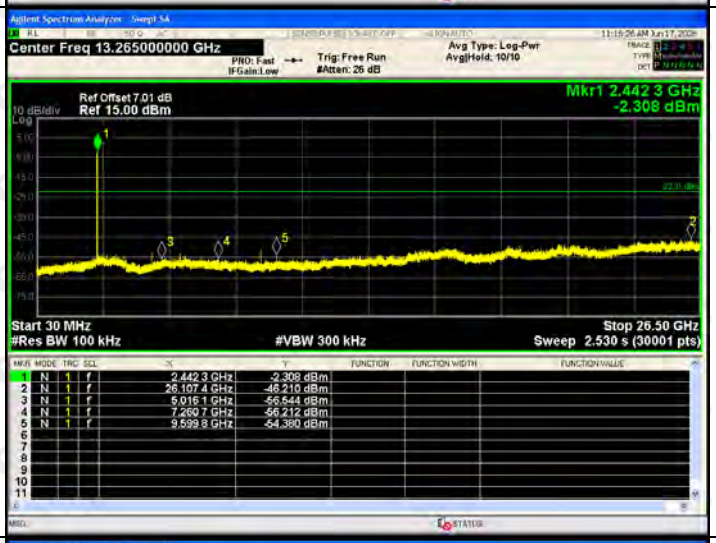
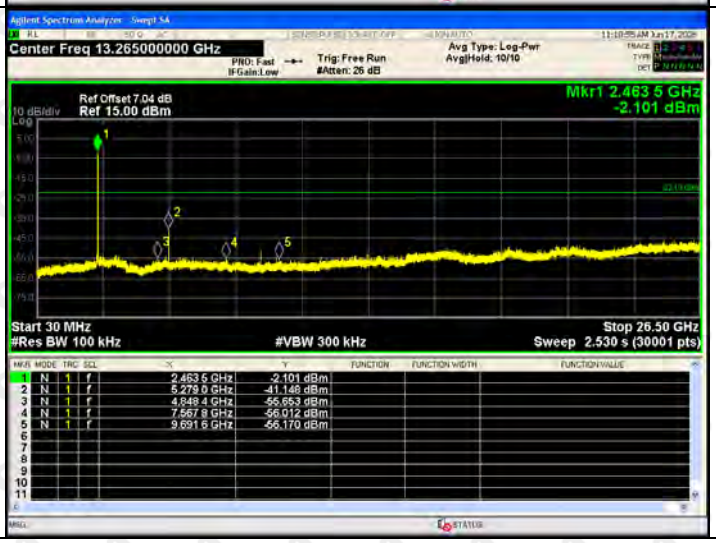
802.11ax(HE20) /LCH			
802.11ax(HE20) /MCH			
802.11ax(HE20) /HCH			

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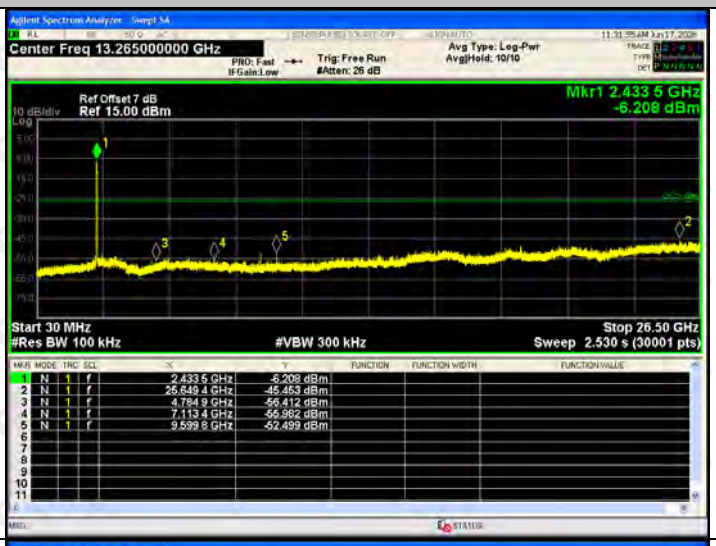
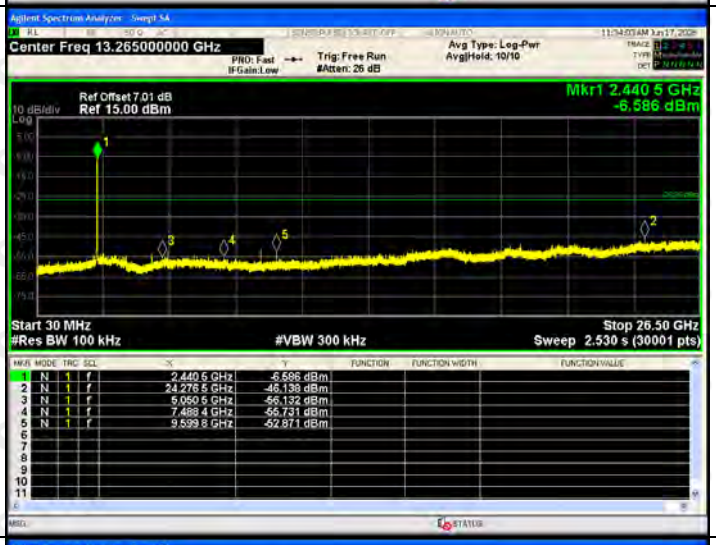
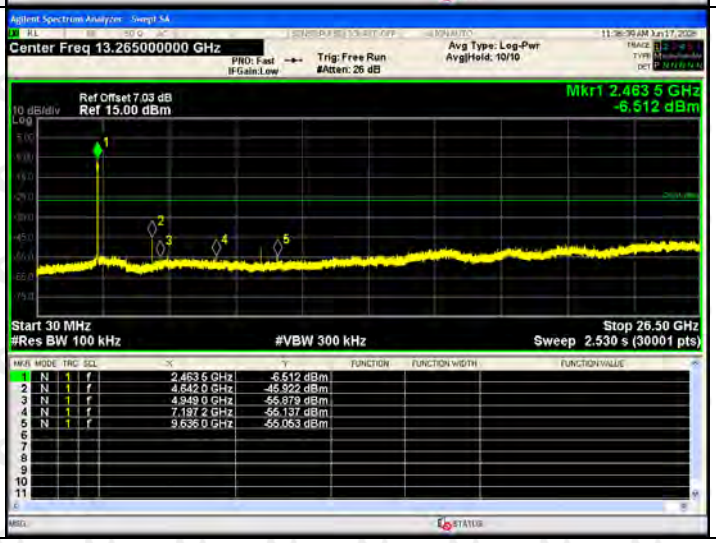
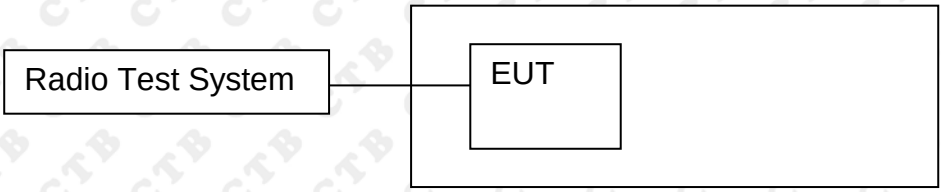
802.11ax(HE40) /LCH			
802.11ax(HE40) /MCH			
802.11ax(HE40) /HCH			

9. CONDUCTED OUTPUT POWER

9.1 Block Diagram Of Test Setup



9.2 Limit

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

9.3 Test procedure

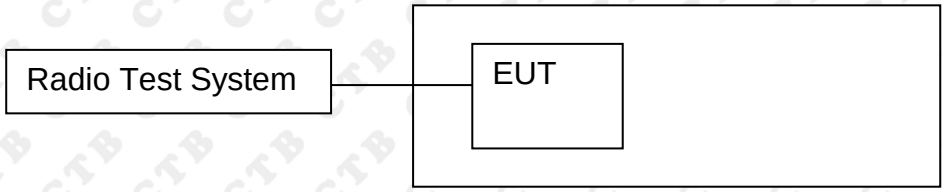
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 1MHz. VBW = 3MHz. Sweep = auto; Detector Function = Peak. Channel power function is used
3. Keep the EUT in transmitting at lowest, middle and highest channel individually. Record the max value.

9.4 Test Result

Mode	Channel.	Maximum Peak Power [dBm] ant 1	Maximum Peak Power [dBm] ant 2	Total Power Peak Output Power(dBm)	Limit[dBm]
802.11b	LCH	15.903	15.289	/	30
	MCH	16.001	15.179	/	30
	HCH	15.774	15.088	/	30
802.11g	LCH	16.365	17.014	/	30
	MCH	16.327	16.953	/	30
	HCH	16.159	16.832	/	30
802.11n(HT20)	LCH	16.313	16.967	19.663	30
	MCH	16.205	16.847	19.548	30
	HCH	16.086	16.714	19.422	30
802.11n(HT40)	LCH	16.381	15.729	19.078	30
	MCH	16.277	15.568	18.947	30
	HCH	16.341	15.544	18.971	30
802.11ax(HT20)	LCH	16.685	17.293	20.010	30
	MCH	16.648	17.159	19.921	30
	HCH	17.414	18.092	20.777	30
802.11ax(HT40)	LCH	16.683	15.924	19.330	30
	MCH	16.515	15.808	19.186	30
	HCH	16.552	15.863	19.231	30

10. 6DB OCCUPIED BANDWIDTH

10.1 Block Diagram Of Test Setup



10.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	>= 500kHz (6dB bandwidth)	2400-2483.5	PASS

10.3 Test procedure

1. Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. 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 relative to the maximum level measured in the fundamental emission.

10.4 Test Result

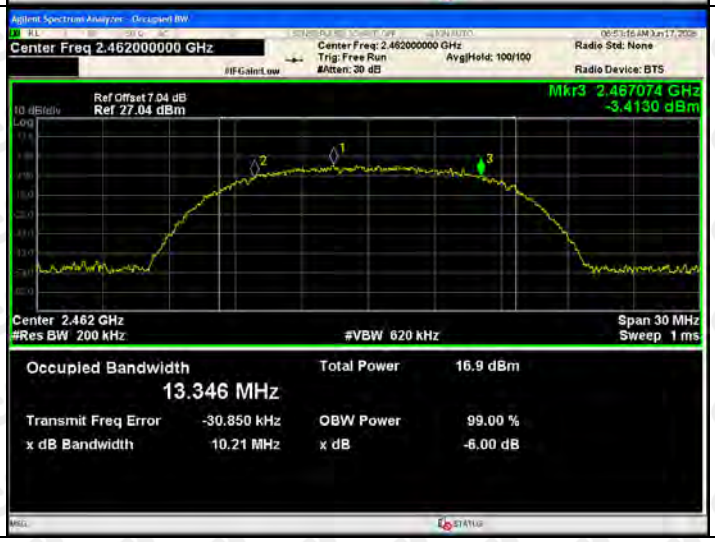
ANT1:

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	10.435	500	**PASS**
	MCH	10.519	500	**PASS**
	HCH	10.209	500	**PASS**
802.11g	LCH	16.198	500	**PASS**
	MCH	16.07	500	**PASS**
	HCH	16.223	500	**PASS**
802.11n(HT20)	LCH	17.347	500	**PASS**
	MCH	17.509	500	**PASS**
	HCH	17.545	500	**PASS**
802.11n(HT40)	LCH	35.431	500	**PASS**
	MCH	35.978	500	**PASS**
	HCH	35.557	500	**PASS**
802.11ax(HE20)	LCH	19.116	500	**PASS**
	MCH	19.112	500	**PASS**
	HCH	19.142	500	**PASS**
802.11ax(HE40)	LCH	37.972	500	**PASS**
	MCH	38.011	500	**PASS**
	HCH	37.884	500	**PASS**

ANT2:

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	10.488	500	**PASS**
	MCH	10.275	500	**PASS**
	HCH	10.67	500	**PASS**
802.11g	LCH	15.97	500	**PASS**
	MCH	16.191	500	**PASS**
	HCH	16.296	500	**PASS**
802.11n(HT20)	LCH	16.655	500	**PASS**
	MCH	17.512	500	**PASS**
	HCH	17.486	500	**PASS**
802.11n(HT40)	LCH	35.463	500	**PASS**
	MCH	35.012	500	**PASS**
	HCH	35.904	500	**PASS**
802.11ax(HE20)	LCH	19.12	500	**PASS**
	MCH	19.144	500	**PASS**
	HCH	18.969	500	**PASS**
802.11ax(HE40)	LCH	37.76	500	**PASS**
	MCH	38.027	500	**PASS**
	HCH	38.081	500	**PASS**

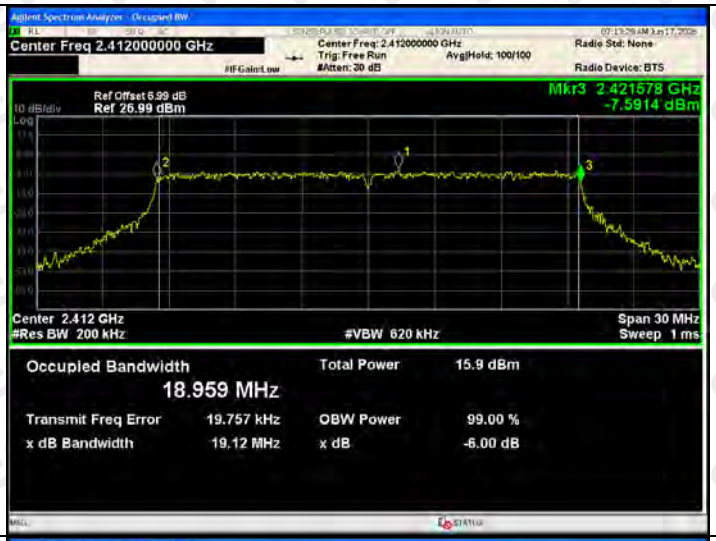
ANT1:
Test Graph:

Graphs			
802.11b/LCH			
802.11b/MCH			
802.11b/HCH			

802.11g/LCH			
802.11g/MCH			
802.11g/HCH			

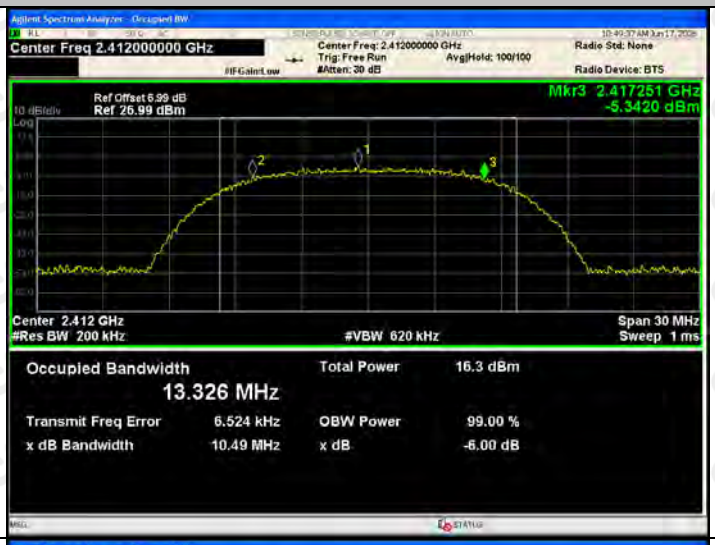
802.11n(HT20) /LCH			
802.11n(HT20) /MCH			
802.11n(HT20) /HCH			

802.11n(HT40) /LCH			
802.11n(HT40) /MCH			
802.11n(HT40) /HCH			

802.11ax(HE20) /LCH			
802.11ax(HE20) /MCH			
802.11ax(HE20) /HCH			

802.11ax(HE40) /LCH			
802.11ax(HE40) /MCH			
802.11ax(HE40) /HCH			

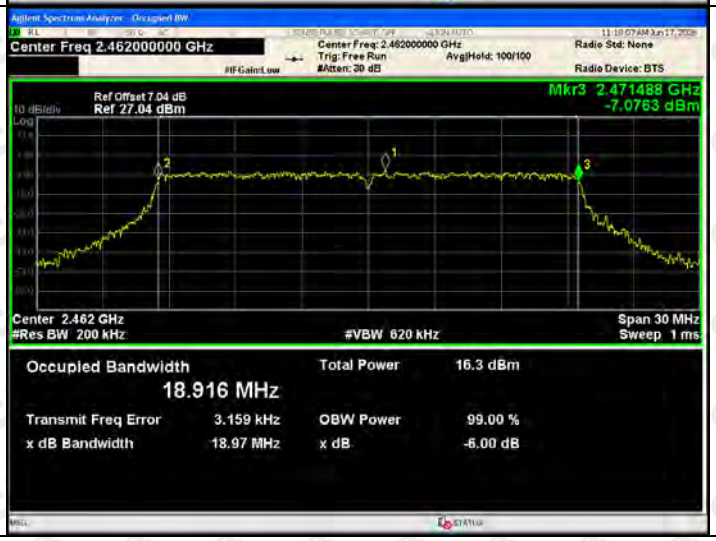
ANT2:
Test Graph:

Graphs			
802.11b/LCH			
802.11b/MCH			
802.11b/HCH			

802.11g/LCH			
802.11g/MCH			
802.11g/HCH			

802.11n(HT20) /LCH			
802.11n(HT20) /MCH			
802.11n(HT20) /HCH			

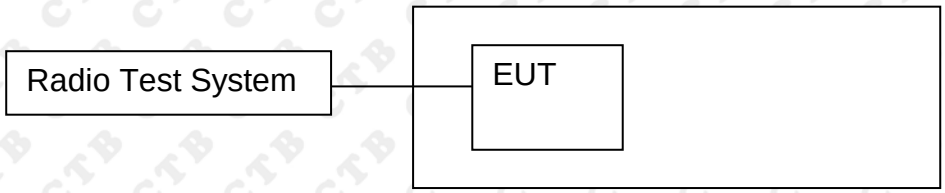
802.11n(HT40) /LCH			
802.11n(HT40) /MCH			
802.11n(HT40) /HCH			

802.11ax(HE20) /LCH			
802.11ax(HE20) /MCH			
802.11ax(HE20) /HCH			

802.11ax(HE40) /LCH			
802.11ax(HE40) /MCH			
802.11ax(HE40) /HCH			

11. POWER SPECTRAL DENSITY

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3kHz)	2400-2483.5	PASS

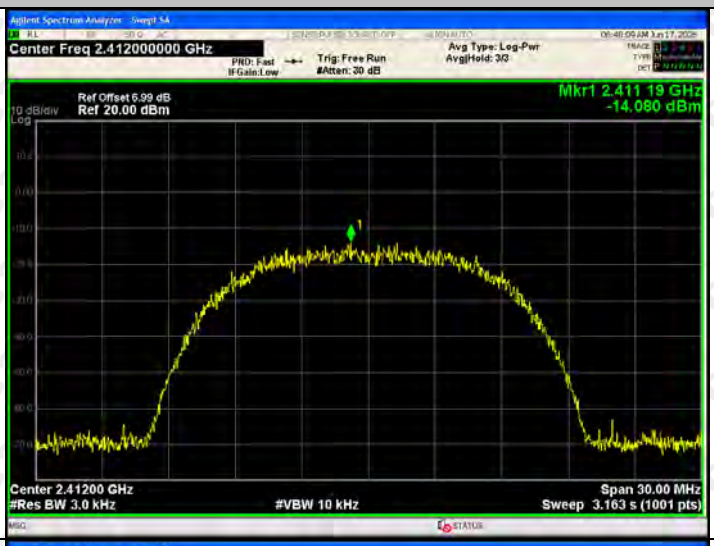
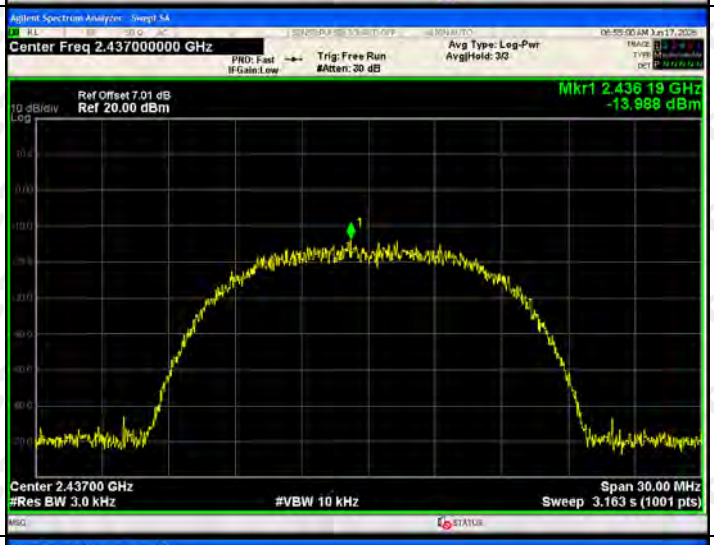
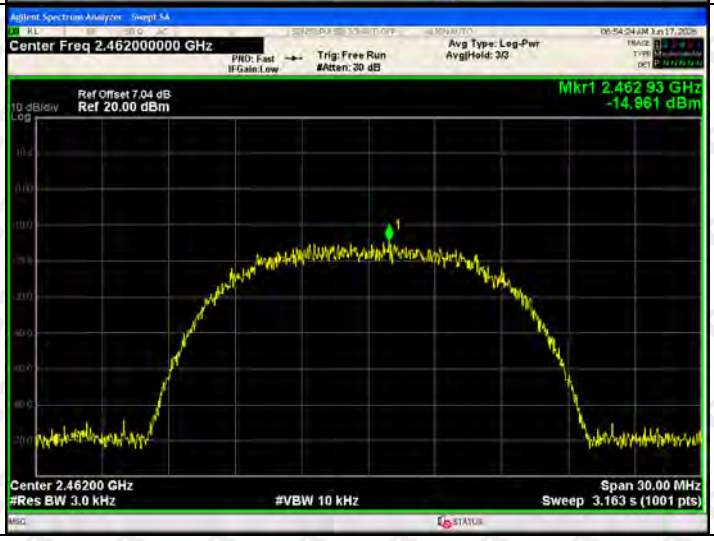
11.3 Test procedure

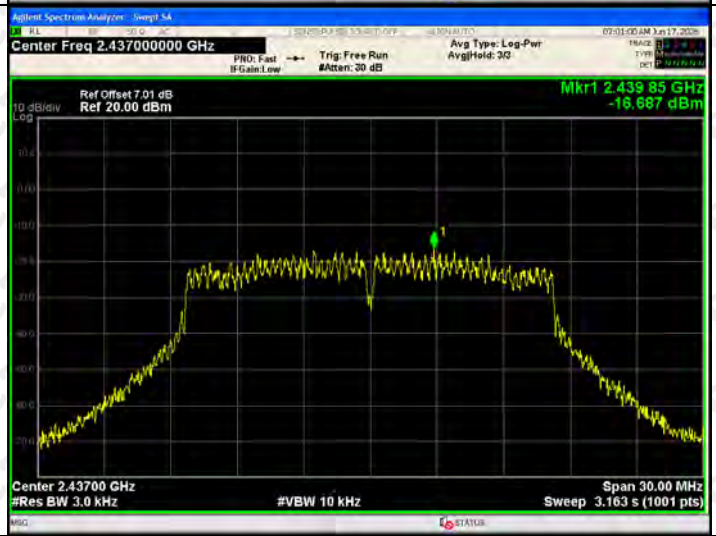
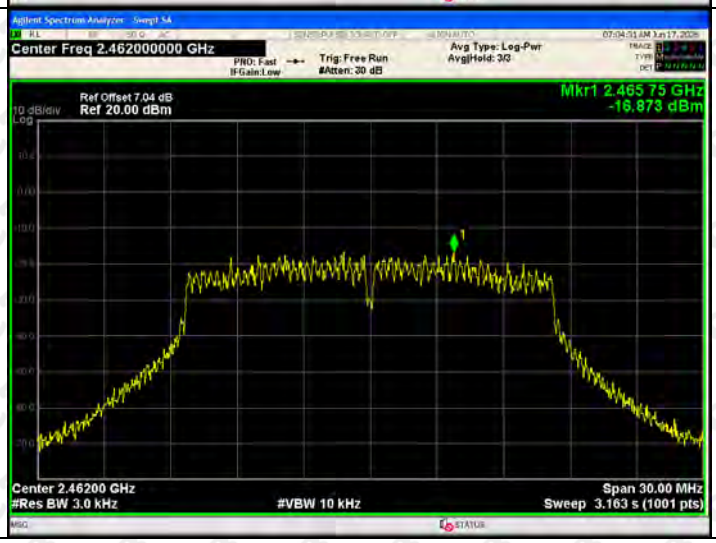
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
4. Set the VBW ≥ 3 x RBW.
5. Detector = Peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the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

11.4 Test Result

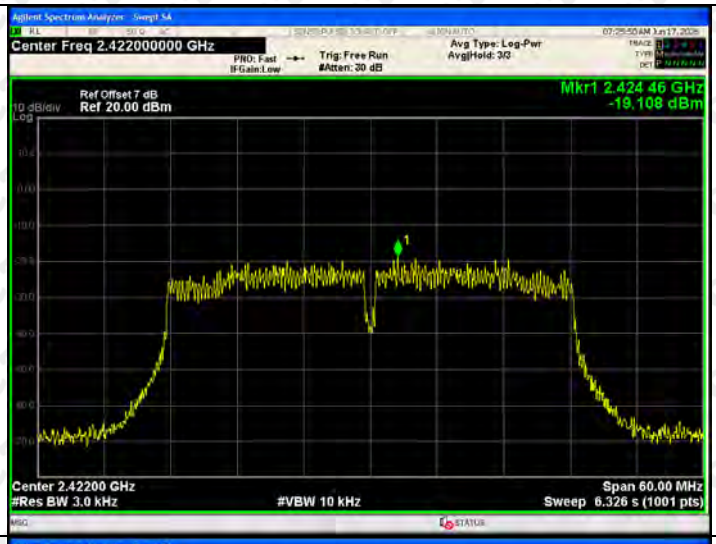
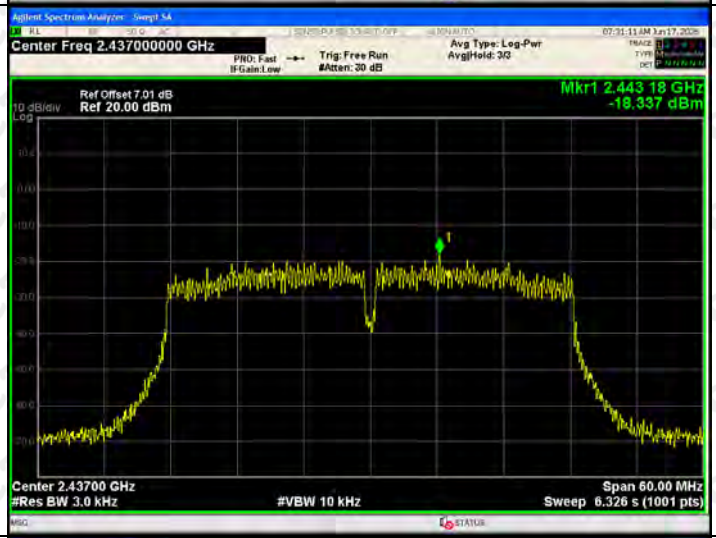
Mode	Channel.	Power Spectral Density [dBm /3kHz] ANT 1	Power Spectral Density [dBm /3kHz]] ANT 2	Power Spectral Density [dBm /3kHz]Total	Limit(dBm)
802.11b	LCH	-14.08	-15.311	/	8
	MCH	-13.988	-14.84	/	8
	HCH	-14.961	-15.055	/	8
802.11g	LCH	-16.379	-16.476	/	8
	MCH	-16.687	-16.099	/	8
	HCH	-16.873	-15.357	/	8
802.11n (HT20)	LCH	-16.344	-14.919	-12.563	8
	MCH	-15.829	-16.314	-13.054	8
	HCH	-16.948	-15.871	-13.366	8
802.11n (HT40)	LCH	-19.108	-20.149	-16.587	8
	MCH	-18.337	-19.726	-15.966	8
	HCH	-18.937	-19.407	-16.155	8
802.11ax (HE20)	LCH	-18.519	-18.119	-15.304	8
	MCH	-18.362	-16.935	-14.580	8
	HCH	-18.374	-16.759	-14.482	8
802.11ax (HE40)	LCH	-20.884	-21.263	-18.059	8
	MCH	-20.47	-21.727	-18.043	8
	HCH	-20.856	-21.358	-18.089	8

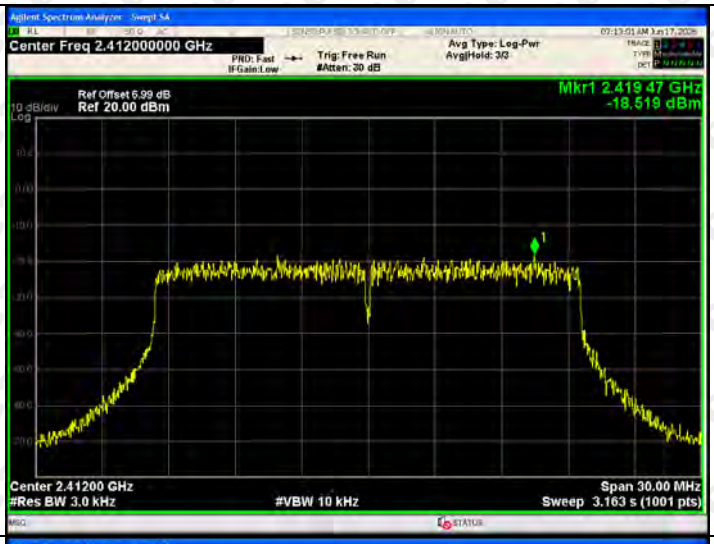
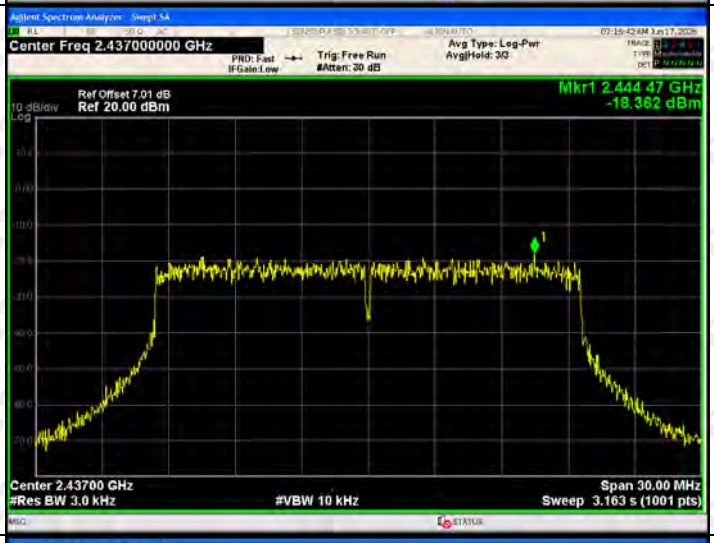
ANT1:
Test Graph

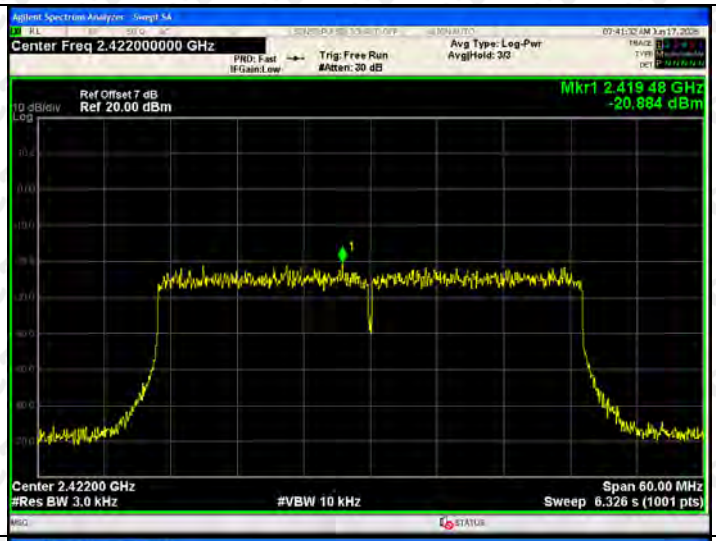
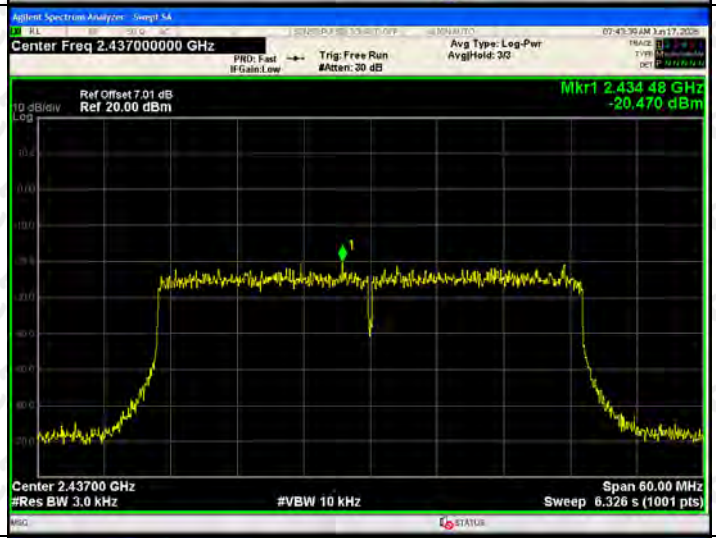
Graphs			
802.11b /LCH			
802.11b /MCH			
802.11b/HCH			

802.11g/LCH			
802.11g/MCH			
802.11g/HCH			

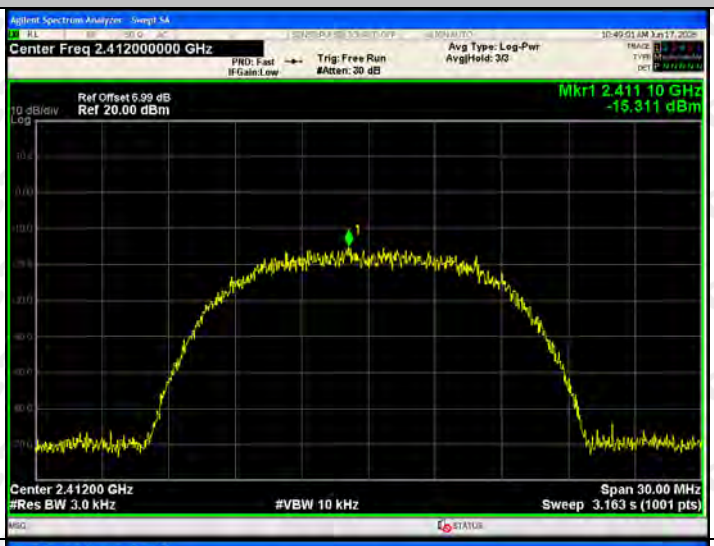
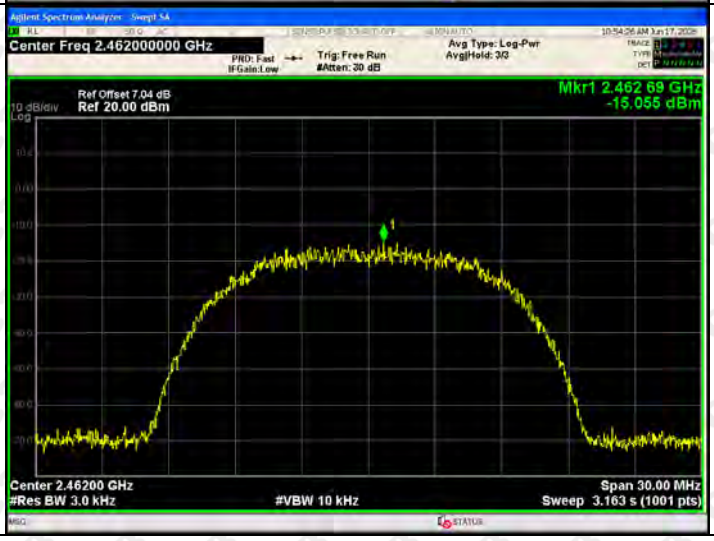
802.11n(HT20)/LCH			
802.11n(HT20)/MCH			
802.11n(HT20)/HCH			

802.11n(HT40)/LCH			
802.11n(HT40)/MCH			
802.11n(HT40)/HCH			

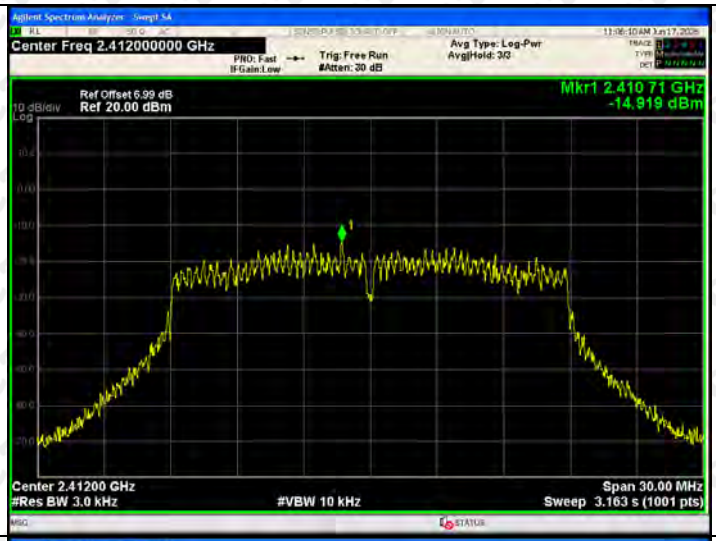
802.11ax(HE20) /LCH			
802.11ax(HE20) /MCH			
802.11ax(HE20) /HCH			

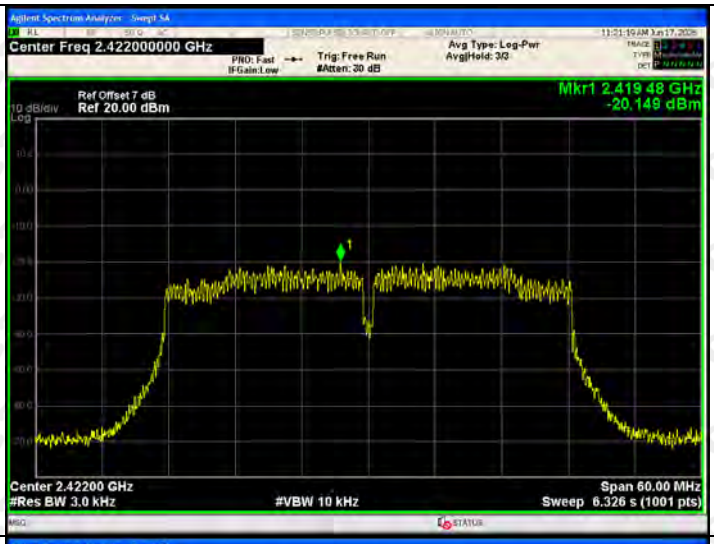
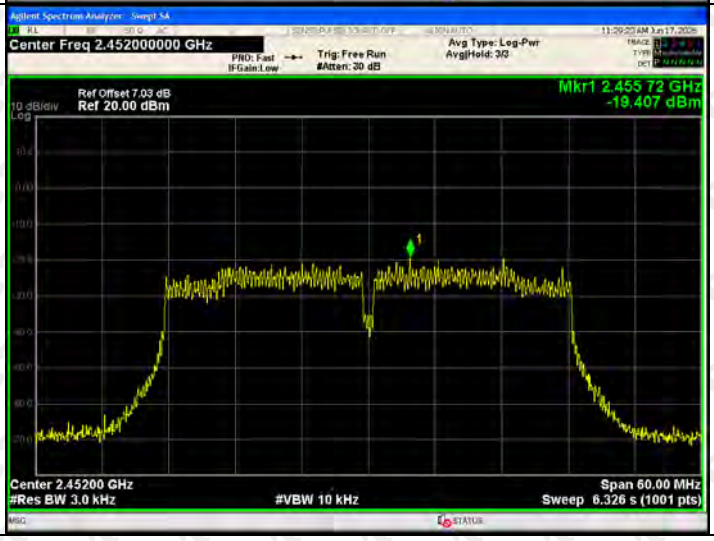
802.11ax(HE40) /LCH			
802.11ax(HE40) /MCH			
802.11ax(HE40) /HCH			

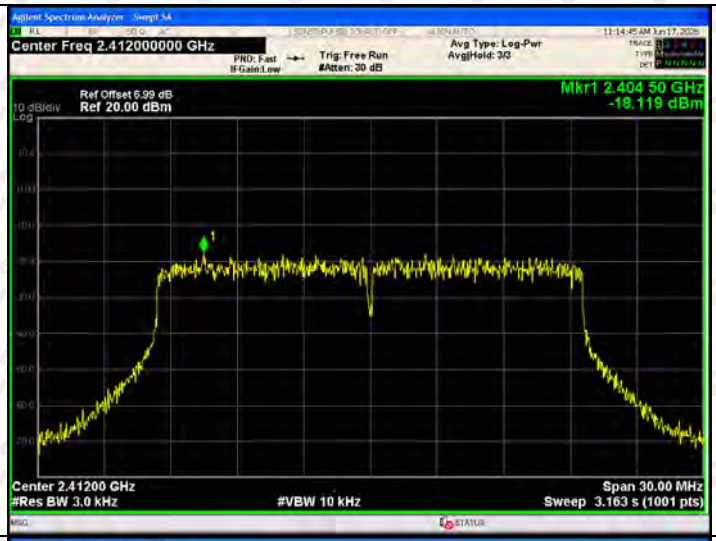
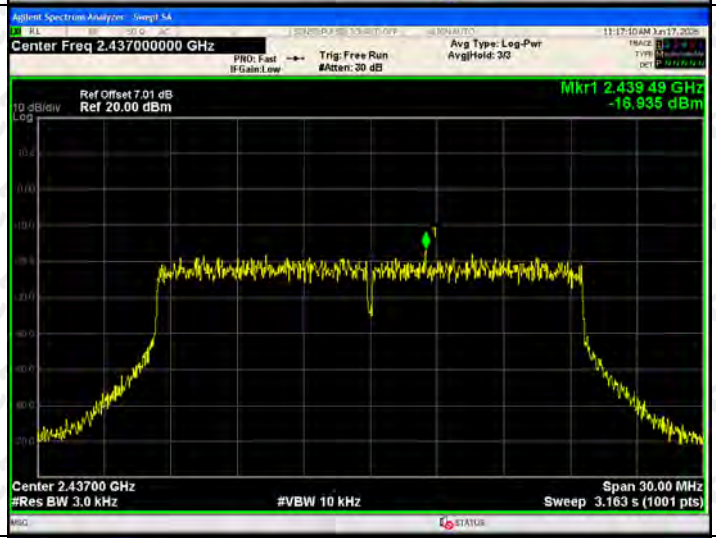
ANT 2:
Test Graph

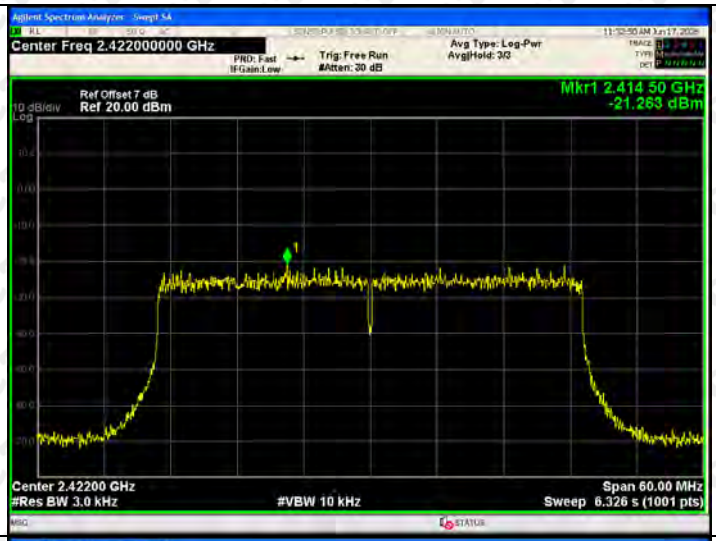
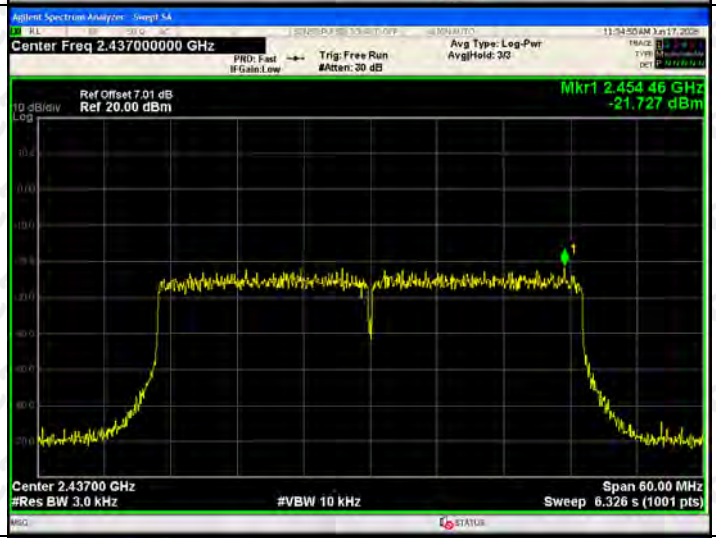
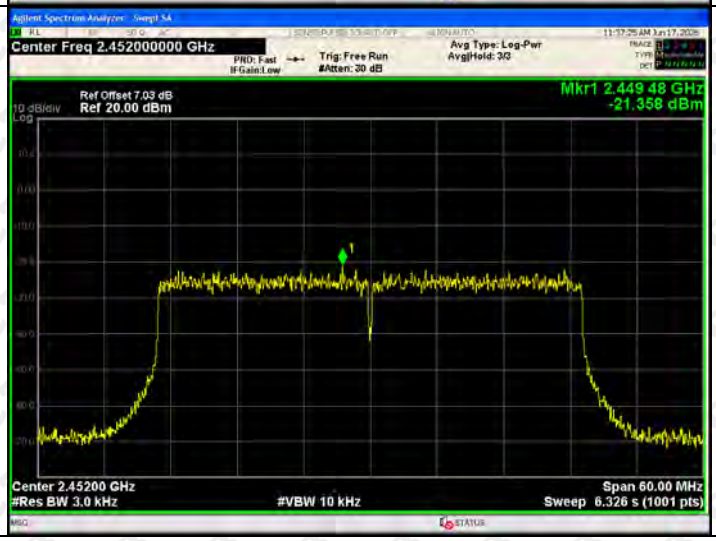
Graphs			
802.11b/LCH			
802.11b/MCH			
802.11b/HCH			

802.11g/LCH			
802.11g/MCH			
802.11g/HCH			

802.11n(HT20)/LCH			
802.11n(HT20)/MCH			
802.11n(HT20)/HCH			

802.11n(HT40)/LCH		
802.11n(HT40)/MCH		
802.11n(HT40)/HCH		

802.11ax(HE20) /LCH			
802.11ax(HE20) /MCH			
802.11ax(HE20) /HCH			

802.11ax(HE40) /LCH			
802.11ax(HE40) /MCH			
802.11ax(HE40) /HCH			

12. ANTENNA REQUIREMENT

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(b) (4) requirement:
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

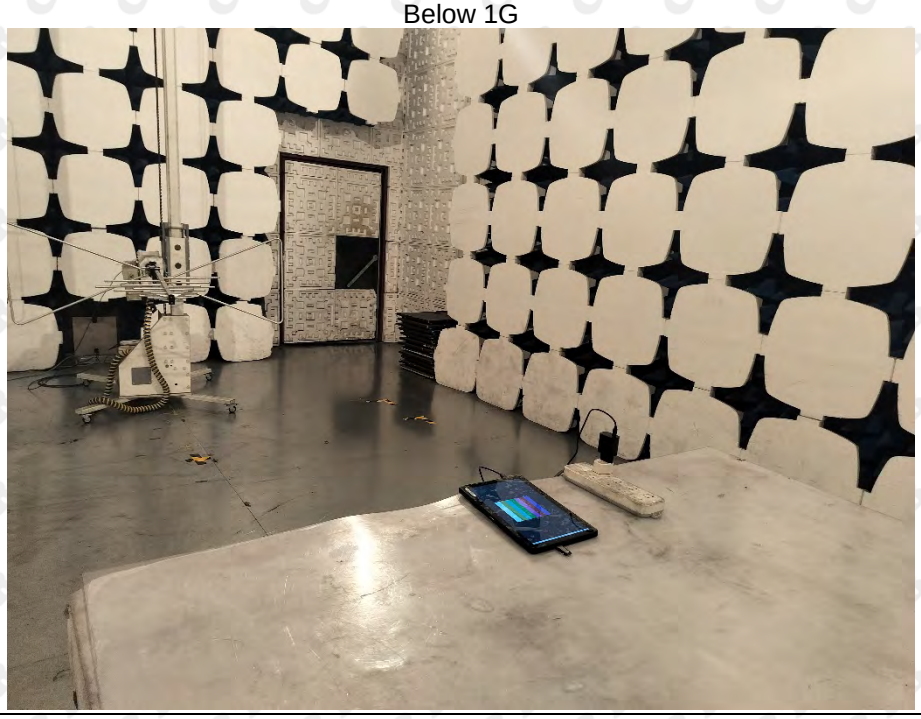
EUT Antenna:

The antenna is FPC antenna and no consideration of replacement. The best case gain of the antenna is Ant1: 1.23dBi, Ant2: 0.67dBi

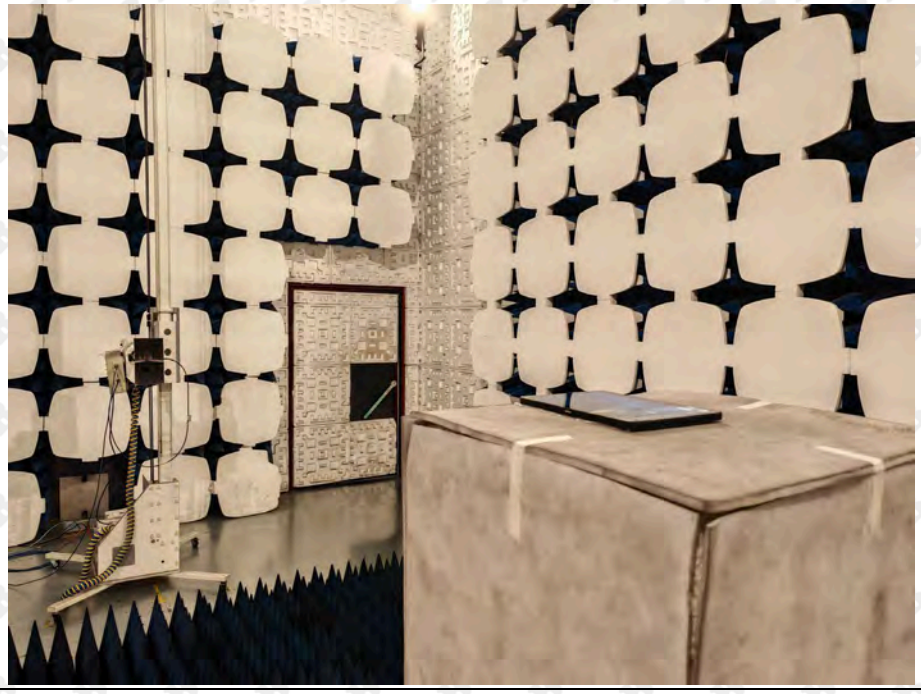
13. EUT TEST SETUP PHOTOGRAPHS

Radiated Emission

Below 1G



Above 1G



Conducted Emission

RF Conducted

※※※※※ END OF REPORT ※※※※※