



TEST REPORT

Product Name: Portable Computer
FCC ID: 2BEMH-N152S
Trademark: N/A
Model Number: N152S, N152R, N152B
Prepared For: YEAHER INC.
Address: 51 Steel Dr, Unit A, New Castle, Delaware, 19720
Manufacturer: Nimo Direct Inc.
Address: 51 Steel Dr, Unit A, New Castle, Delaware, 19720
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Sample Received Date: Apr. 09, 2024
Sample tested Date: Apr. 09, 2024 to Apr. 26, 2024
Issue Date: Jul. 26, 2024
Report No.: CTB240725109RFX
Test Standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10:2013
Test Results: PASS
Remark: This is WIFI-2.4GHz band radio test report.
Radio-frequency conduction data reference CTB240426072RFX report.

Compiled by:

Reviewed by:

Approved by:

Zhou kui

Arron Liu



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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. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

TABLE OF CONTENT

Test Report Declaration	Page
1. VERSION	4
2. TEST SUMMARY	5
3. MEASUREMENT UNCERTAINTY	6
4. PRODUCT INFORMATION AND TEST SETUP	7
4.1 Product Information	7
4.2 Test Setup Configuration	7
4.3 Support Equipment	7
4.4 Channel List	8
4.5 Test Mode	8
4.6 Test Environment	9
5. TEST FACILITY AND TEST INSTRUMENT USED	10
5.1 Test Facility	10
5.2 Test Instrument Used	10
6. AC POWER LINE CONDUCTED EMISSION	13
6.1 Block Diagram Of Test Setup	13
6.2 Limit	13
6.3 Test procedure	13
6.4 Test Result	15
7. RADIATED SPURIOUS EMISSION	17
7.1 Block Diagram Of Test Setup	17
7.2 Limit	17
7.3 Test procedure	18
7.4 Test Result	19
8. BAND EDGE AND RF CONDUCTED SPURIOUS EMISSIONS	51
8.1 Block Diagram Of Test Setup	51
8.2 Limit	51
8.3 Test procedure	51
8.4 Test Result	52
9. CONDUCTED OUTPUT POWER	76
9.1 Block Diagram Of Test Setup	76
9.2 Limit	76
9.3 Test procedure	76
9.4 Test Result	77
10. 6DB OCCUPIED BANDWIDTH	78
10.1 Block Diagram Of Test Setup	78
10.2 Limit	78
10.3 Test procedure	78
10.4 Test Result	79
11. POWER SPECTRAL DENSITY	93
11.1 Block Diagram Of Test Setup	93

11.2	Limit	93
11.3	Test procedure	93
11.4	Test Result	94
12.	ANTENNA REQUIREMENT	107
13.	EUT TEST SETUP PHOTOGRAPHS	108

(Note: N/A means not applicable)



1. **VERSION**

Report No.	Issue Date	Description	Approved
CTB240725109RFX	Jul. 26, 2024	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 C63.10-2013	PASS
Radiated Spurious emissions	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS
Band edge and RF Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)/15.205(a)	ANSI C63.10-2013	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	ANSI C63.10-2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	ANSI C63.10-2013	PASS
Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	ANSI C63.10-2013/ 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 C63.10-2013.

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(s):	N152S, N152R, N152B
Model Description:	All the model are the same circuit and RF module, only the model names are differenttr. Test sample model: N152S
Wi-Fi Specification:	IEEE 802.11b/g/n/ax
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	WiFi: IEEE 802.11b/g/n20/ax20: 2412-2462MHz/ 11 channel IEEE 802.11n40/ax40: 2422-2452MHz/ 7 channel
Max. RF output power:	WiFi (2.4G): 18.095dBm
Type of Modulation:	WiFi: DSSS, OFDM
Antenna installation:	WiFi: FPC antenna
Antenna Gain:	WiFi (2.4G): ANT1: 4.17dBi, ANT2: 3.33dBi
Ratings:	Adapter: Input: 100-240V~50/60Hz 1.5A Output: 12V=3000mA 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
1	PC	DELL	Inspiron 3670	N/A	N/A

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/n20/ax20)	2412MHz	2437MHz	2462MHz
Transmitting(802.11n40/ax40)	2422MHz	2437MHz	2452MHz

MIMO(ANT 1+ANT 2)

Test mode	Low channel	Middle channel	High channel
Transmitting(802.11n20/ax20)	2412MHz	2437MHz	2462MHz
Transmitting(802.11n40/ax40)	2422MHz	2437MHz	2452MHz

NOTE: Dutycycle>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(DC):	7.6V
Normal Temperature(°C)	23
Low Temperature(°C)	0
High Temperature(°C)	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, Xinghe 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.

5.2 Test Instrument Used

No.	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY52090073	A.14.16	2025/6/28
2	Power Sensor	Agilent	U2021XA	MY56120032	/	2025/6/28
3	Power Sensor	Agilent	U2021XA	MY56120034	/	2025/6/28
4	Communication test set	R&S	CMW500	108058	V3.5.80	2025/6/28
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2025/6/28
6	Signal Generator	Agilent	N5181A	MY50140365	A.01.60	2025/6/28
7	Vector signal generator	Agilent	N5182A	MY47420195	A.01.87	2025/6/28
8	Communication test set	Agilent	E5515C	MY50102567	B.19.07 (E1962B)	2025/6/28
9	2.4 GHz Filter	Shenxiang	MSF2400-24 83.5MS-1154	20181015001	/	2025/6/30
10	5 GHz Filter	Shenxiang	MSF5150-58 50MS-1155	20181015001	/	2025/6/30
11	Filter	Xingbo	XBLBQ-DZA 120	190821-1-1	/	2025/6/30
12	BT&WI-FI Automatic test software	Microwave	MTS8000	Ver. 2.0.0.0	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2025/6/28
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2025/6/28
15	234G Automatic test software	Microwave	MTS8200	Ver. 2.0.0.0	/	/
16	966 chamber	C.R.T.	966	/	/	2027/6/21
17	Receiver	R&S	ESPI	100362	RF_ATTEN_7 (104489/003)	2025/6/28
18	Amplifier	HP	8447E	2945A02747	/	2025/6/28
19	Amplifier	Agilent	8449B	3008A01838	/	2025/6/28
20	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2025/6/28
21	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA9120D	01911	/	2025/6/28

22	EMI test software	Fala	EZ-EMC	FA-03A2 RE	/	/
23	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2025/6/28
24	loop antenna	ZHINAN	ZN30900A	GTS534	/	/
25	40G Horn antenna	A/H/System	SAS-574	588	/	2025/6/28
26	Amplifier	AEROFLEX	Aeroflex	097	/	2025/6/28
27	Power Metter	KEYSIGHT	N1912AP	N/A	A.05.00	2025/6/28

Continuous disturbance						
No.	Equipment	Manufacturer	Model No.	Serial No.	Firmware version	Calibrated until
1	843 Shield Room	C/ R/ T	843	/	/	2027/6/21
2	AMN	ROHDE&SCHWARZ	ESH3-Z5	831551852	/	2025/6/30
3	Pulse limiter	ROHDE&SCHWARZ	ESH3Z2	357881052	/	2025/6/28
4	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100428	V4.42.SP3	2025/6/30
5	Coaxial cable	ZDECL	Z302S	18091904	/	2025/6/30
6	ISN	Schwarzbeck	NTFM8158	183	/	2025/6/30
7	Voltage sensor	Schwarzbeck	TK 9420	01189	/	2024/11/16
8	EZ-EMC	Frad	EMC-con3A1.1	/	/	/
9	Current Probe	FCC	F-52B	199453	/	2025/5/27
10	Communication test set	R&S	CMW500	108058	B.19.07 (E1962B)	2025/6/28
11	Communication test set	Agilent	E5515C	MY50102567	V3.5.80	2025/6/28

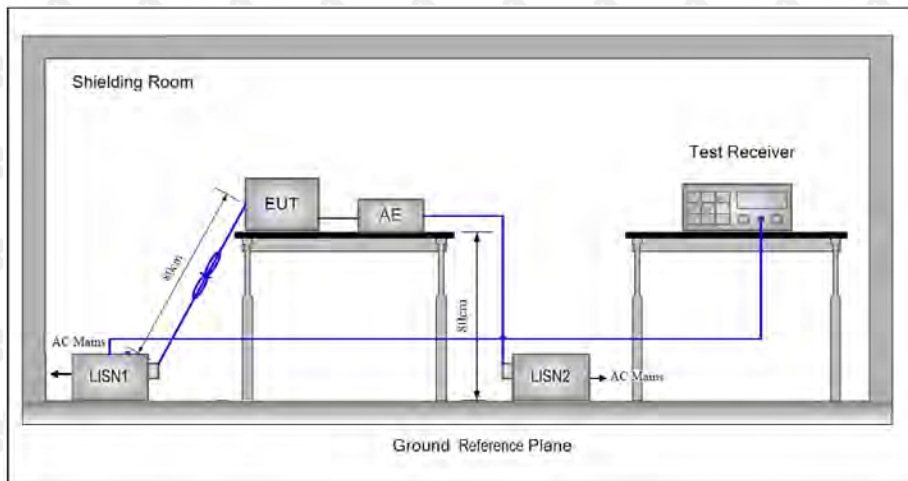
Radiated emission(No.1 Chamber)						
No.	Equipment	Manufacturer	Model No.	Serial No.	Firmware version	Calibrated until
1	966 Chamber	C/ R/ T	966	/	/	2027/6/21
2	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120 D	01911	/	2025/7/06
3	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2025/6/29
4	Amplifier	Agilent	8449B	3008A01838	/	2025/6/30
5	Amplifier	HP	8447E	2945A02747	/	2025/6/28
6	loop antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2025/6/29
7	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESPI	100362	RF_ATTEN_7 (104489/003)	2025/6/28
8	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2025/6/28

9	Coaxial cable	ETS	RFC-SNS-100-NMS-80	/	/	2025/6/28
10	Coaxial cable	ETS	RFC-SN-100-NMS-20	/	/	2025/6/28
11	Coaxial cable	ETS	RFC-SNS-100-SMS-20	/	/	2025/6/28
12	Coaxial cable	ETS	RFC-NNS-100-NMS-300	/	/	2025/6/28
13	EMI test software	Frad	EZ-EMC	Ver/ FA-03A2 RE	/	/
14	Communication test set	R&S	CMW500	108058	B.19.07 (E1962B)	2025/6/28
15	Communication test set	Agilent	E5515C	MY50102567	V3.5.80	2025/6/28

Radiated emission(No.2 Chamber)						
No.	Equipment	Manufacturer	Model No.	Serial No.	Firmware version	Calibrated until
1	966 Chamber	C/ R/ T	966	/	/	2026/11/14
2	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120 D	01911	/	2026/7/07
3	Broadband Antenna	Schwarzbeck	VULB 9168	1471	/	2025/7/06
4	Amplifier	Agilent	8449B	3008A01838	/	2025/6/30
5	Preamplifier	Schwarzbeck	BBV 9743 B	00500	/	2025/5/23
6	EMI TEST RECEIVER	R&S	ESCI7	100861	/	2024/11/27
7	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2025/6/28
8	EMI test software	Farad	EZ-EMC	/	Ver. FARAD-3A1+	/
9	Coaxial cable	Rosenberg	8m	/	/	2024/11/27
10	Coaxial cable	Times	2m	/	/	2024/11/27
11	Coaxial cable	Times	2m	/	/	2024/11/27
12	Coaxial cable	Times	1m	/	/	2024/11/27
13	loop antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2025/6/29
14	Communication test set	R&S	CMW500	108058	B.19.07 (E1962B)	2025/6/28
15	Communication test set	Agilent	E5515C	MY50102567	V3.5.80	2025/6/28

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

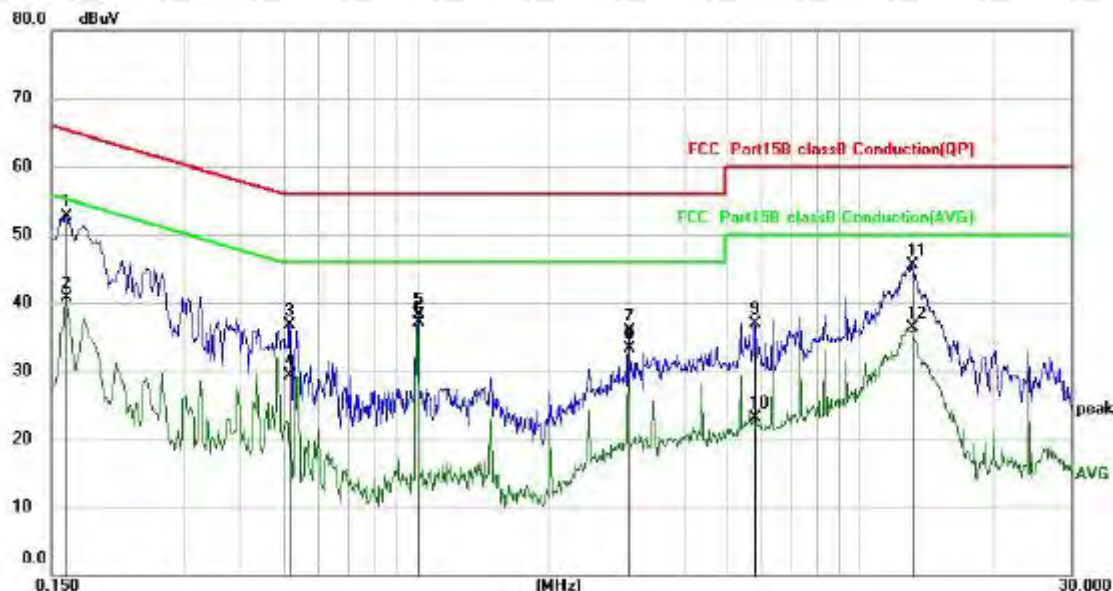
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a 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

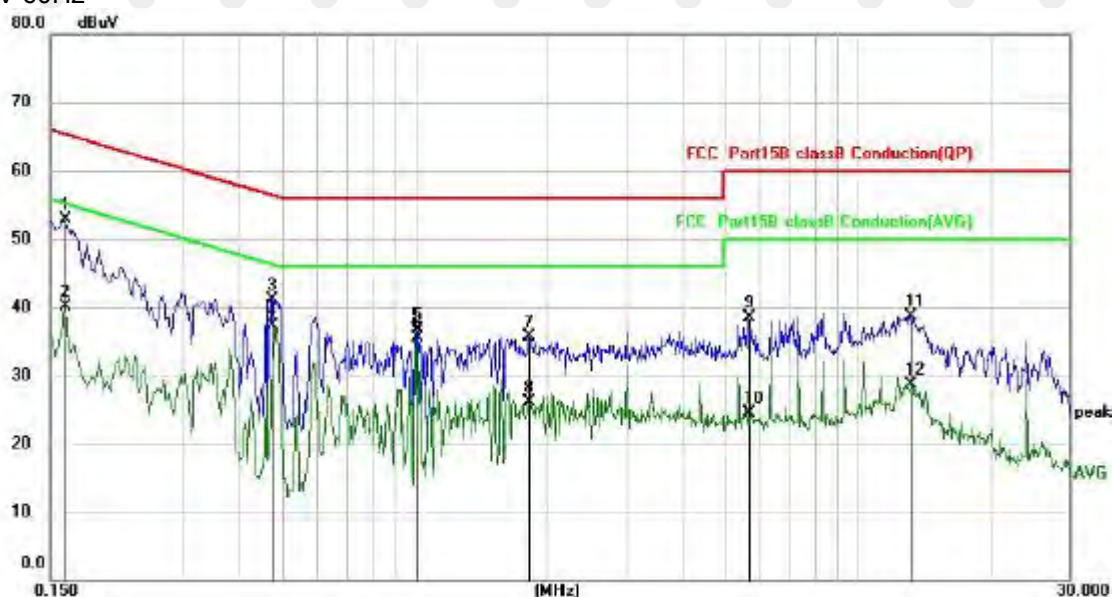
Test Specification: Line
AC 120V 60Hz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1620	41.83	10.85	52.68	65.36	-12.68	QP
2		0.1620	29.78	10.85	40.63	55.36	-14.73	AVG
3		0.5180	26.17	10.52	36.69	56.00	-19.31	QP
4		0.5180	18.69	10.52	29.21	46.00	-16.79	AVG
5		1.0060	27.37	10.95	38.32	56.00	-17.68	QP
6	*	1.0060	26.15	10.95	37.10	46.00	-8.90	AVG
7		3.0139	24.13	11.80	35.93	56.00	-20.07	QP
8		3.0139	21.47	11.80	33.27	46.00	-12.73	AVG
9		5.7857	24.42	12.51	36.93	60.00	-23.07	QP
10		5.7857	10.67	12.51	23.18	50.00	-26.82	AVG
11		13.0658	32.27	13.30	45.57	60.00	-14.43	QP
12		13.0658	22.98	13.30	36.28	50.00	-13.72	AVG

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

Test Specification: Neutral
AC 120V 60Hz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1620	42.15	10.85	53.00	65.36	-12.36	QP
2		0.1620	29.33	10.85	40.18	55.36	-15.18	AVG
3		0.4739	30.61	10.52	41.13	56.45	-15.32	QP
4	*	0.4739	26.72	10.52	37.24	46.45	-9.21	AVG
5		1.0060	25.73	10.95	36.68	56.00	-19.32	QP
6		1.0060	24.47	10.95	35.42	46.00	-10.58	AVG
7		1.8020	24.20	11.46	35.66	56.00	-20.34	QP
8		1.8020	14.71	11.46	26.17	46.00	-19.83	AVG
9		5.6619	25.97	12.47	38.44	60.00	-21.56	QP
10		5.6619	11.99	12.47	24.46	50.00	-25.54	AVG
11		13.0778	25.31	13.30	38.61	60.00	-21.39	QP
12		13.0778	15.31	13.30	28.61	50.00	-21.39	AVG

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

7. RADIATED SPURIOUS EMISSION

7.1 Block Diagram Of Test Setup

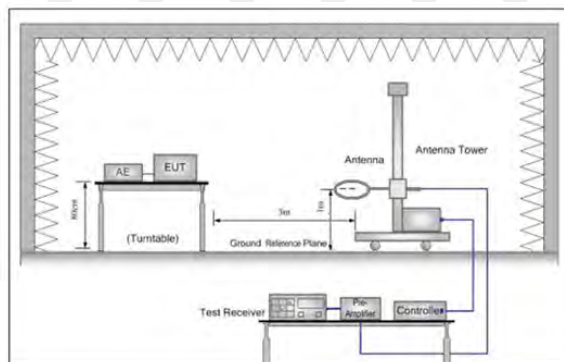


Figure 1. Below 30MHz

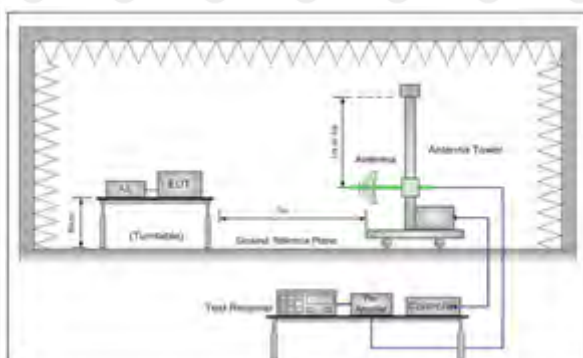


Figure 2. 30MHz to 1GHz

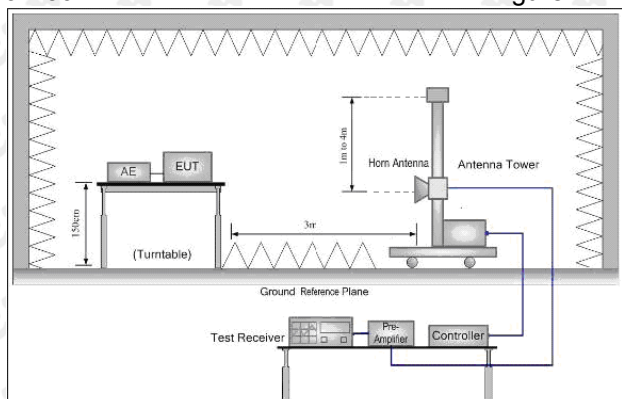


Figure 3. Above 1GHz

7.2 Limit

Spurious Emissions:

Frequency	Field strength (microvolt/meter)	Limit (dB μ V/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:

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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:

- 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).
- Test the EUT in the lowest channel ,the middle channel ,the Highest channel
- 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	10Hz	Average

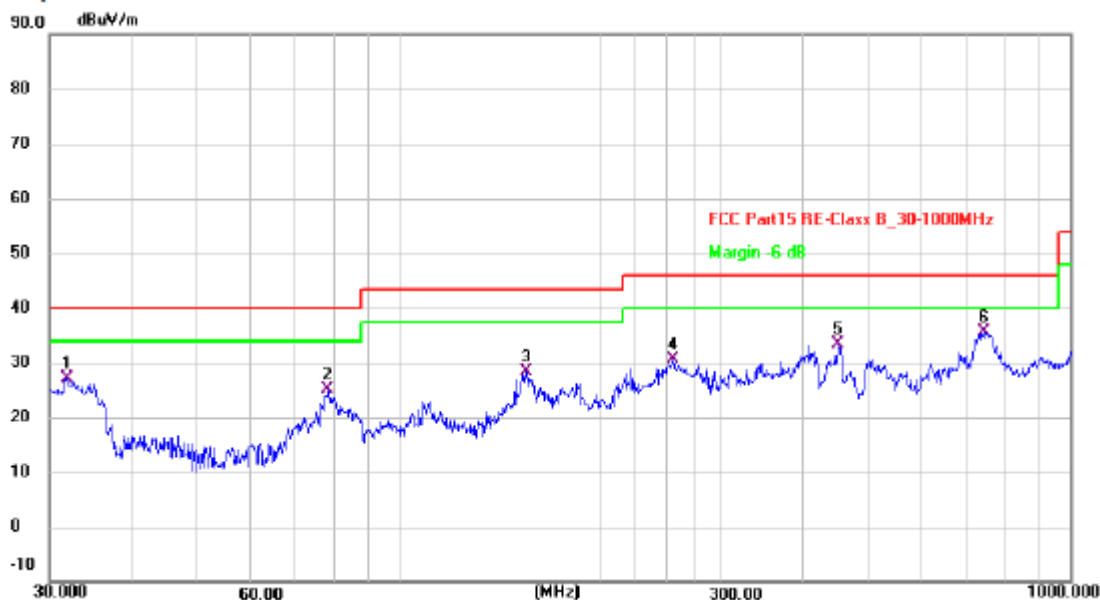
The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

7.4 Test Result

After pre-scanning three directions, the report recorded the worst case

Below 1GHz Test Results:

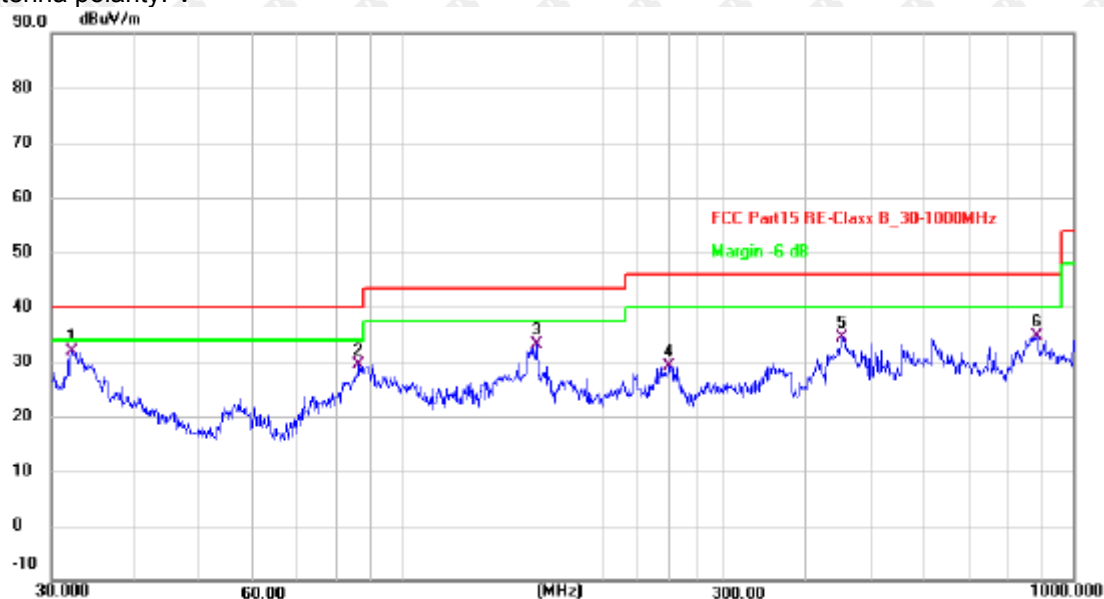
Antenna polarity: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.9542	40.13	-13.03	27.10	40.00	-12.90	QP
2	78.1388	43.31	-18.29	25.02	40.00	-14.98	QP
3	154.2785	41.55	-13.20	28.35	43.50	-15.15	QP
4	255.6230	46.66	-16.11	30.55	46.00	-15.45	QP
5	451.1350	44.13	-10.81	33.32	46.00	-12.68	QP
6 *	742.2586	40.01	-4.28	35.73	46.00	-10.27	QP

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

Antenna polarity: V



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	32.1794	44.82	-13.05	31.77	40.00	-8.23	QP
2	86.2000	47.75	-18.43	29.32	40.00	-10.68	QP
3	158.6673	46.30	-13.27	33.03	43.50	-10.47	QP
4	250.3010	45.53	-16.39	29.14	46.00	-16.86	QP
5	452.7196	45.20	-10.76	34.44	46.00	-11.56	QP
6	881.4067	35.37	-0.76	34.61	46.00	-11.39	QP

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

1. The margin of 9K-30MH measurement exceeds 20dB, so the test chart is not included.

2. All modes have been tested, and the test results show that ANT2 b-mode data is the worst, only ANT2 b-mode test chart is put.

Above 1 GHz Test Results:

ANT1 LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.36	-3.64	60.72	74	-13.28	peak
4824	50.28	-3.64	46.64	54	-7.36	AVG
7236	57.51	-0.95	56.56	74	-17.44	peak
7236	46.38	-0.95	45.43	54	-8.57	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	65.34	-3.64	61.70	74	-12.30	peak
4824	48.08	-3.64	44.44	54	-9.56	AVG
7236	57.63	-0.95	56.68	74	-17.32	peak
7236	43.71	-0.95	42.76	54	-11.24	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT1 MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detection Type
4874	65.76	-3.51	62.25	74	-11.75	peak
4874	49.03	-3.51	45.52	54	-8.48	AVG
7311	57.44	-0.82	56.62	74	-17.38	peak
7311	45.51	-0.82	44.69	54	-9.31	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detection Type
4874	64.88	-3.51	61.37	74	-12.63	peak
4874	49.19	-3.51	45.68	54	-8.32	AVG
7311	58.75	-0.82	57.93	74	-16.07	peak
7311	44.47	-0.82	43.65	54	-10.35	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT1 HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Correction Factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detected Type
4924	62.31	-3.43	58.88	74	-15.12	peak
4924	46.62	-3.43	43.19	54	-10.81	AVG
7386	60.08	-0.75	59.33	74	-14.67	peak
7386	42.51	-0.75	41.76	54	-12.24	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Correction Factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detected Type
4924	63.03	-3.43	59.60	74	-14.40	peak
4924	46.21	-3.43	42.78	54	-11.22	AVG
7386	57.81	-0.75	57.06	74	-16.94	peak
7386	41.93	-0.75	41.18	54	-12.82	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (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.

ANT1 LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.66	-3.64	61.02	74	-12.98	peak
4824	50.66	-3.64	47.02	54	-6.98	AVG
7236	57.66	-0.95	56.71	74	-17.29	peak
7236	46.72	-0.95	45.77	54	-8.23	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	64.64	-3.64	61.00	74	-13.00	peak
4824	49.12	-3.64	45.48	54	-8.52	AVG
7236	57.48	-0.95	56.53	74	-17.47	peak
7236	44.24	-0.95	43.29	54	-10.71	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT1 MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detection Type
4874	65.27	-3.51	61.76	74	-12.24	peak
4874	49.19	-3.51	45.68	54	-8.32	AVG
7311	58.38	-0.82	57.56	74	-16.44	peak
7311	45.06	-0.82	44.24	54	-9.76	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detection Type
4874	63.70	-3.51	60.19	74	-13.81	peak
4874	47.05	-3.51	43.54	54	-10.46	AVG
7311	59.41	-0.82	58.59	74	-15.41	peak
7311	42.95	-0.82	42.13	54	-11.87	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

ANT1 HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Correction Factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detected Type
4924	63.56	-3.43	60.13	74	-13.87	peak
4924	48.55	-3.43	45.12	54	-8.88	AVG
7386	57.21	-0.75	56.46	74	-17.54	peak
7386	45.28	-0.75	44.53	54	-9.47	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Correction Factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detected Type
4924	64.09	-3.43	60.66	74	-13.34	peak
4924	46.32	-3.43	42.89	54	-11.11	AVG
7386	56.86	-0.75	56.11	74	-17.89	peak
7386	42.53	-0.75	41.78	54	-12.22	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (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.

Above 1GHz ANT1+ANT2 :

LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.16	-3.64	62.52	74	-11.48	peak
4824	48.20	-3.64	44.56	54	-9.44	AVG
7236	57.48	-0.95	56.53	74	-17.47	peak
7236	44.24	-0.95	43.29	54	-10.71	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	66.83	-3.64	63.19	74	-10.81	peak
4824	47.08	-3.64	43.44	54	-10.56	AVG
7236	56.81	-0.95	55.86	74	-18.14	peak
7236	42.93	-0.95	41.98	54	-12.02	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

LOW CH1 (802.11n/H20 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detection Type
4874	65.03	-3.51	61.52	74	-12.48	peak
4874	49.92	-3.51	46.41	54	-7.59	AVG
7311	57.98	-0.82	57.16	74	-16.84	peak
7311	44.12	-0.82	43.30	54	-10.70	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detection Type
4874	65.35	-3.51	61.84	74	-12.16	peak
4874	49.14	-3.51	45.63	54	-8.37	AVG
7311	59.51	-0.82	58.69	74	-15.31	peak
7311	42.60	-0.82	41.78	54	-12.22	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

LOW CH1 (802.11n/H20 Mode)/2462

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.73	-3.43	61.30	74	-12.70	peak
4924	47.62	-3.43	44.19	54	-9.81	AVG
7386	57.37	-0.75	56.62	74	-17.38	peak
7386	42.62	-0.75	41.87	54	-12.13	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission le Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	ingFactor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detecto Type
4924	64.69	-3.43	61.26	74	-12.74	peak
4924	45.99	-3.43	42.56	54	-11.44	AVG
7386	56.77	-0.75	56.02	74	-17.98	peak
7386	43.18	-0.75	42.43	54	-11.57	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission le Margin = Emission level - Limits						

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (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.

ANT1+ANT2 LOW CH3 (802.11n/H40 Mode)/2422

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844	63.23	-3.63	59.60	74	-14.40	peak
4844	49.56	-3.63	45.93	54	-8.07	AVG
7266	58.29	-0.94	57.35	74	-16.65	peak
7266	45.23	-0.94	44.29	54	-9.71	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level Margin = Emission level - Limits						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844	64.76	-3.63	61.13	74	-12.87	peak
4844	49.40	-3.63	45.77	54	-8.23	AVG
7266	58.23	-0.94	57.29	74	-16.71	peak
7266	44.08	-0.94	43.14	54	-10.86	AVG
Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT1+ANT2 MID CH6 (802.11n/H40 Mode)/2437

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874	63.58	-3.51	60.07	74	-13.93	peak
4874	47.15	-3.51	43.64	54	-10.36	AVG
7311	58.56	-0.82	57.74	74	-16.26	peak
7311	44.48	-0.82	43.66	54	-10.34	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874	62.33	-3.51	58.82	74	-15.18	peak
4874	46.47	-3.51	42.96	54	-11.04	AVG
7311	56.63	-0.82	55.81	74	-18.19	peak
7311	43.31	-0.82	42.49	54	-11.51	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

ANT1+ANT2 HIGH CH9 (802.11n/H40 Mode)/2452

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Correction Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904	63.46	-3.43	60.03	74	-13.97	peak
4904	47.07	-3.43	43.64	54	-10.36	AVG
7356	57.54	-0.75	56.79	74	-17.21	peak
7356	41.15	-0.75	40.40	54	-13.60	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Correction Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904	63.25	-3.43	59.82	74	-14.18	peak
4904	47.88	-3.43	44.45	54	-9.55	AVG
7356	58.60	-0.75	57.85	74	-16.15	peak
7356	43.70	-0.75	42.95	54	-11.05	AVG

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Emission level
Margin = Emission level - Limits

Remark:

- (1). Measuring frequencies from 9KHz to the 25 GHz. The test range is 9K ~10 times the main wave, and other spurious below the limit of 20dB will not be reflected in the report
- (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.

ANT1+ANT2 LOW CH1 (802.11ax/H20 Mode)/2412

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	64.27	-3.64	60.63	74	-13.37	peak
4824	46.51	-3.64	42.87	54	-11.13	AVG
7236	59.57	-0.95	58.62	74	-15.38	peak
7236	44.76	-0.95	43.81	54	-10.19	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	66.42	-3.64	62.78	74	-11.22	peak
4824	48.66	-3.64	45.02	54	-8.98	AVG
7236	56.49	-0.95	55.54	74	-18.46	peak
7236	44.13	-0.95	43.18	54	-10.82	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

ANT1+ANT2 MID CH6 (802.11ax/H20 Mode)/2437

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.00	62.10	-3.51	58.59	74.00	-15.41	peak
4874.00	49.30	-3.51	45.79	54.00	-8.21	AVG
7311.00	56.79	-0.82	55.97	74.00	-18.03	peak
7311.00	43.08	-0.82	42.26	54.00	-11.74	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874.00	62.07	-3.51	58.56	74.00	-15.44	peak
4874.00	46.63	-3.51	43.12	54.00	-10.88	AVG
7311.00	57.26	-0.82	56.44	74.00	-17.56	peak
7311.00	43.67	-0.82	42.85	54.00	-11.15	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT1+ANT2 HIGH CH11 (802.11ax/H20 Mode)/2462

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	61.57	-3.43	58.14	74	-15.86	peak
4924	47.21	-3.43	43.78	54	-10.22	AVG
7386	58.56	-0.75	57.81	74	-16.19	peak
7386	41.98	-0.75	41.23	54	-12.77	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	62.76	-3.43	59.33	74	-14.67	peak
4924	45.70	-3.43	42.27	54	-11.73	AVG
7386	55.98	-0.75	55.23	74	-18.77	peak
7386	43.22	-0.75	42.47	54	-11.53	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

ANT1+ANT2 LOW CH3 (802.11ax/H40 Mode)/2422

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4844	63.59	-3.63	59.96	74	-14.04	peak
4844	48.65	-3.63	45.02	54	-8.98	AVG
7266	58.42	-0.94	57.48	74	-16.52	peak
7266	45.14	-0.94	44.20	54	-9.80	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4844	65.32	-3.63	61.69	74	-12.31	peak
4844	48.38	-3.63	44.75	54	-9.25	AVG
7266	59.73	-0.94	58.79	74	-15.21	peak
7266	45.01	-0.94	44.07	54	-9.93	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT1+ANT2 MID CH6 (802.11ax/H40 Mode)/2437

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	64.57	-3.51	61.06	74	-12.94	peak
4874	48.94	-3.51	45.43	54	-8.57	AVG
7311	60.98	-0.82	60.16	74	-13.84	peak
7311	46.21	-0.82	45.39	54	-8.61	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	62.26	-3.51	58.75	74	-15.25	peak
4874	46.51	-3.51	43.00	54	-11.00	AVG
7311	56.71	-0.82	55.89	74	-18.11	peak
7311	43.35	-0.82	42.53	54	-11.47	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

ANT1+ANT2 HIGH CH9 (802.11ax/H40 Mode)/2452

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4904	63.39	-3.43	59.96	74	-14.04	peak
4904	48.24	-3.43	44.81	54	-9.19	AVG
7356	55.82	-0.75	55.07	74	-18.93	peak
7356	43.41	-0.75	42.66	54	-11.34	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4904	62.83	-3.43	59.40	74	-14.60	peak
4904	47.90	-3.43	44.47	54	-9.53	AVG
7356	57.46	-0.75	56.71	74	-17.29	peak
7356	42.23	-0.75	41.48	54	-12.52	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits

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)

Operation Mode:

ANT 1 802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.12	-5.81	51.31	74	-22.69	peak
2390	/	-5.81	/	54	/	AVG
2399	65.10	-5.84	59.26	74	-14.74	peak
2399	49.24	-5.84	43.40	54	-10.60	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.25	-5.81	51.44	74	-22.56	peak
2390	/	-5.81	/	54	/	AVG
2399	62.44	-5.84	56.60	74	-17.40	peak
2399	46.83	-5.84	40.99	54	-13.01	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

When the peak value is smaller than the AVG limit, AVG is not reflected.

Operation Mode:

ANT1 802.11b Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.33	-5.65	51.68	74	-22.32	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.21	-5.65	50.56	74	-23.44	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1 802.11g Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.65	-5.81	52.84	74	-21.16	peak
2390	/	-5.81	/	54	/	AVG
2399	62.22	-5.84	56.38	74	-17.62	peak
2399	46.87	-5.84	41.03	54	-12.97	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.89	-5.81	51.08	74	-22.92	peak
2390	/	-5.81	/	54	/	AVG
2399	63.38	-5.84	57.54	74	-16.46	peak
2399	46.49	-5.84	40.65	54	-13.35	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Operation Mode:

ANT1 802.11g Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.92	-5.65	51.27	74	-22.73	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.22	-5.65	50.57	74	-23.43	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1+ANT2 802.11n/H20 Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	56.98	-5.81	51.17	74	-22.83	peak
2390	/	-5.81	/	54	/	AVG
2399	62.34	-5.84	56.50	74	-17.50	peak
2399	48.18	-5.84	42.34	54	-11.66	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.48	-5.81	51.67	74	-22.33	peak
2390	/	-5.81	/	54	/	AVG
2399	60.52	-5.84	54.68	74	-19.32	peak
2399	48.29	-5.84	42.45	54	-11.55	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Operation Mode:

ANT1+ANT2 802.11n/H20 Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	55.87	-5.65	50.22	74	-23.78	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.01	-5.65	51.36	74	-22.64	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1+ANT2 802.11n/H40 Mode TX CH Low (2422MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.82	-5.81	53.01	74	-20.99	peak
2390	/	-5.81	/	54	/	AVG
2399	64.12	-5.84	58.28	74	-15.72	peak
2399	46.87	-5.84	41.03	54	-12.97	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.62	-5.81	52.81	74	-21.19	peak
2390	/	-5.81	/	54	/	AVG
2399	60.51	-5.84	54.67	74	-19.33	peak
2399	45.51	-5.84	39.67	54	-14.33	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Operation Mode:

ANT1+ANT2 802.11n/H40 Mode TX CH High (2452MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	58.24	-5.65	52.59	74	-21.41	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.34	-5.65	50.69	74	-23.31	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1+ANT2 802.11ax/H20 Mode TX CH Low (2412MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.07	-5.81	51.26	74	-22.74	peak
2390	/	-5.81	/	54	/	AVG
2399	63.53	-5.84	57.69	74	-16.31	peak
2399	48.49	-5.84	42.65	54	-11.35	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	55.87	-5.81	50.06	74	-23.94	peak
2390	/	-5.81	/	54	/	AVG
2399	59.78	-5.84	53.94	74	-20.06	peak
2399	46.60	-5.84	40.76	54	-13.24	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Operation Mode:

ANT1+ANT2 802.11ax/H20 Mode TX CH High (2462MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.39	-5.65	50.74	74	-23.26	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.35	-5.65	50.70	74	-23.30	peak
2483.5	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor, Margin = Emission level - Limits						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Operation Mode:

ANT1+ANT2 802.11ax/H40 Mode TX CH Low (2422MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	58.11	-5.81	52.30	74	-21.70	peak
2390	/	-5.81	/	54	/	AVG
2399	63.42	-5.84	57.58	74	-16.42	peak
2399	46.95	-5.84	41.11	54	-12.89	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390	57.38	-5.81	51.57	74	-22.43	peak
2390	/	-5.81	/	54	/	AVG
2399	61.49	-5.84	55.65	74	-18.35	peak
2399	46.35	-5.84	40.51	54	-13.49	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Operation Mode:

ANT1+ANT2 802.11ax/H40 Mode TX CH High (2452MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	57.70	-5.65	52.05	74	-21.95	peak
2483.5	/	-5.65	/	54	/	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Vertical:

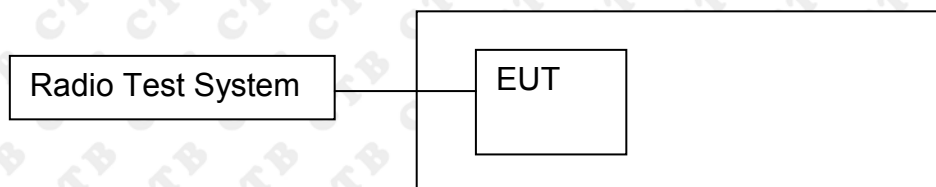
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	55.98	-5.65	50.33	74	-23.67	peak
2483.5	/	-5.65	/	54	/	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Emission level = Reading Result + Factor,
Margin = Emission level - Limits

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.

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:

Below 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

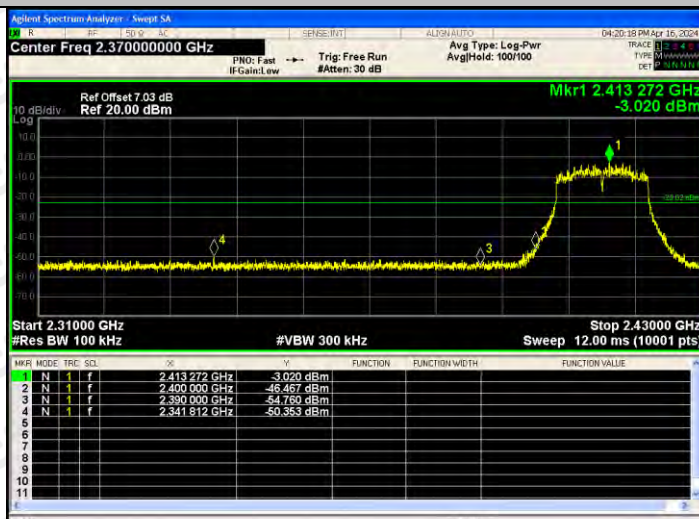
8.4 Test Result

ANT1:

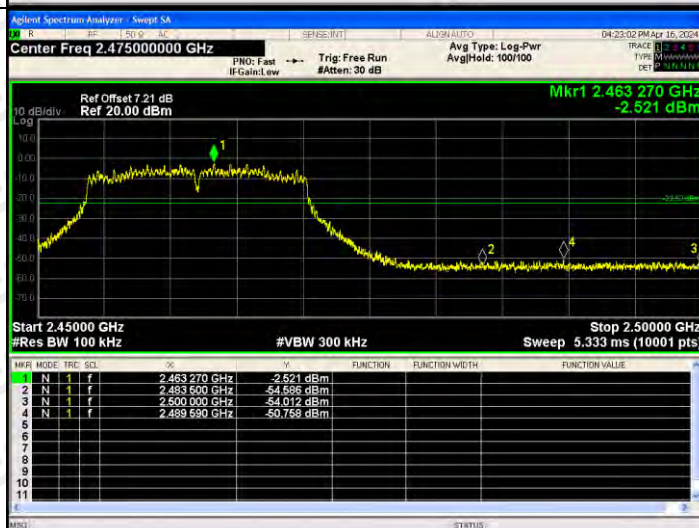


BAND EDGE Graphs

802.11g/LCH

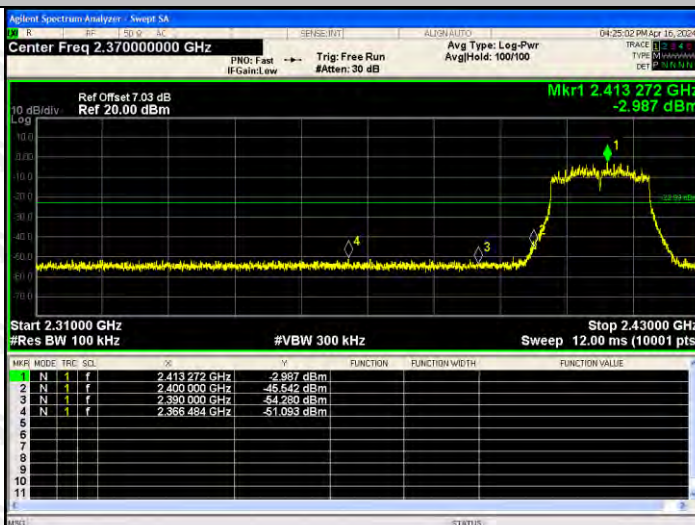


802.11g/HCH

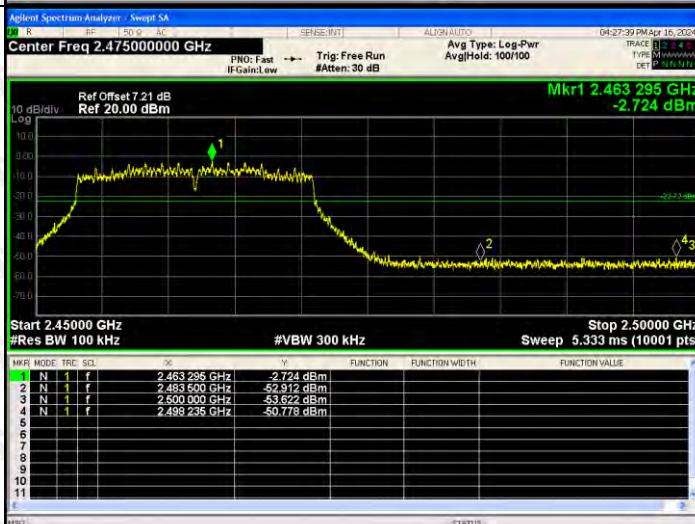


BAND EDGE Graphs

802.11n(HT20)/LCH

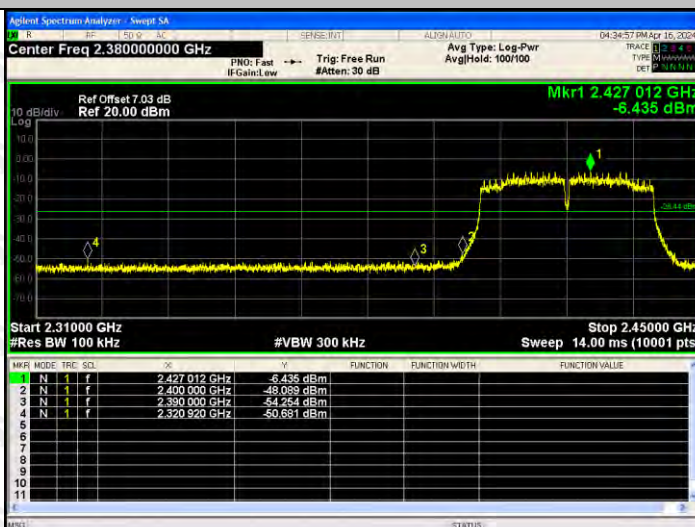


802.11n(HT20)/HCH

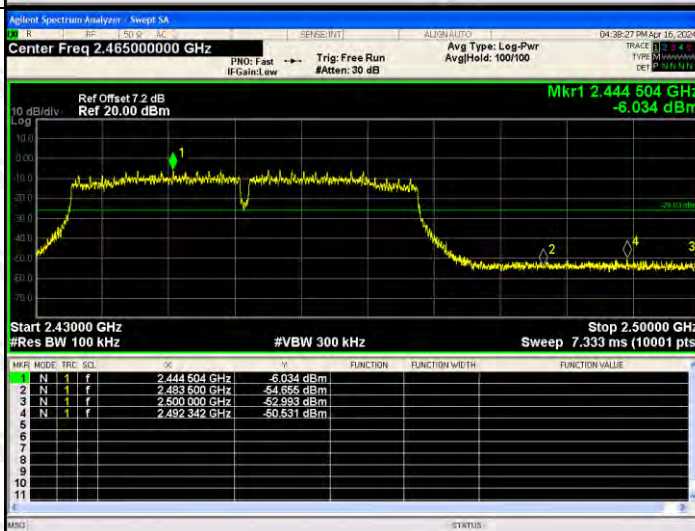


BAND EDGE Graphs

802.11n(HT40)/LCH

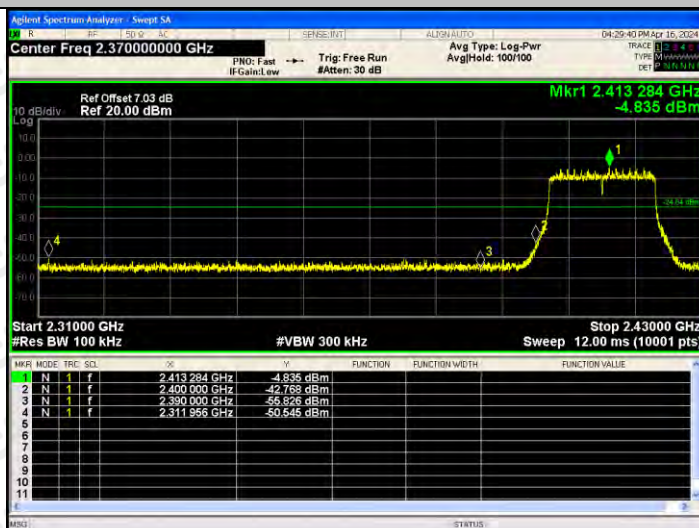


802.11n(HT40)/HCH

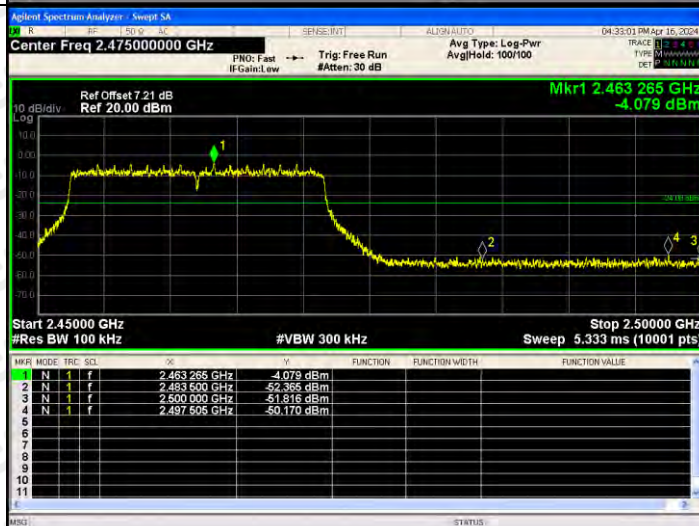


BAND EDGE Graphs

802.11ax(HT20)/
LCH

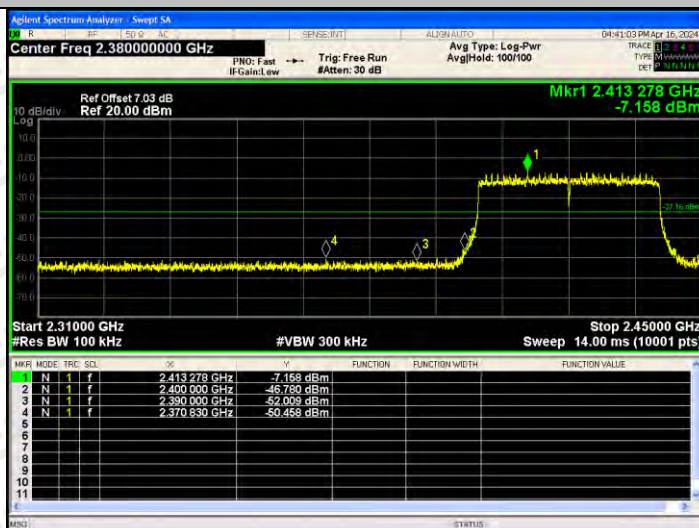


802.11ax(HT20)/
HCH

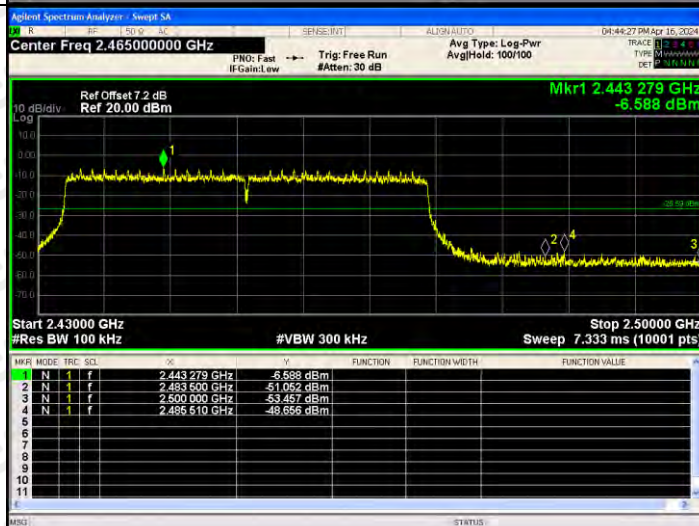


BAND EDGE Graphs

802.11ax(HT40)/
LCH

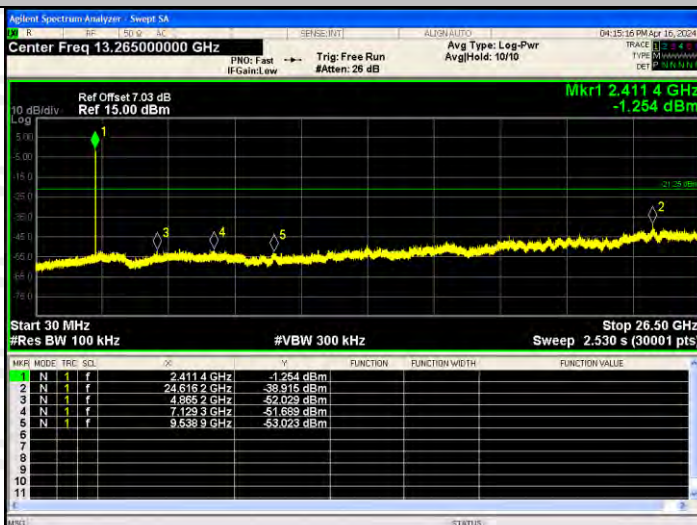


802.11ax(HT40)/
HCH

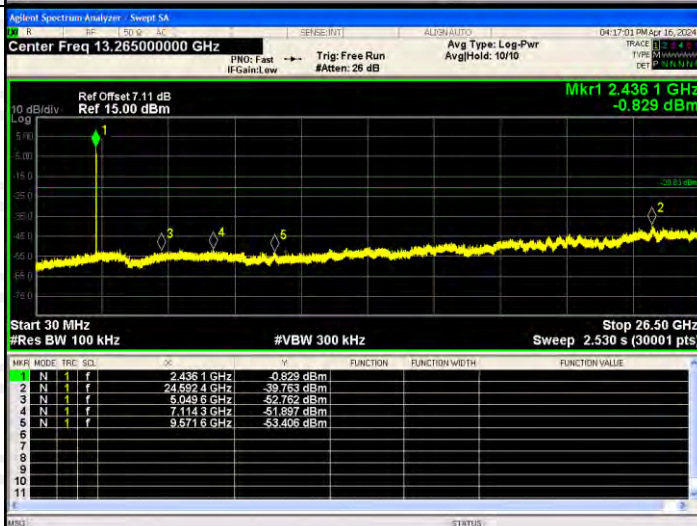


RF Conducted Spurious Emissions Graphs

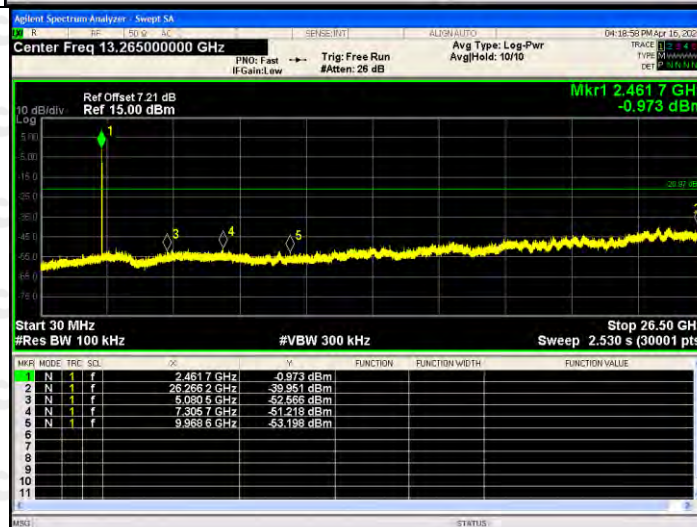
802.11b/LCH



802.11b/MCH

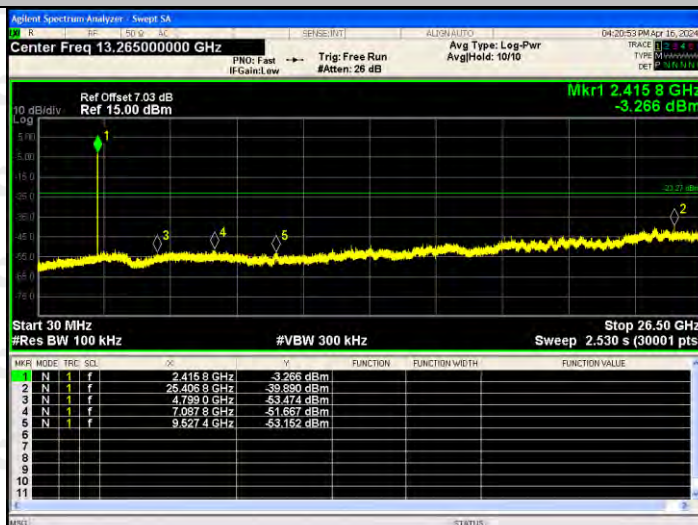


802.11b/HCH

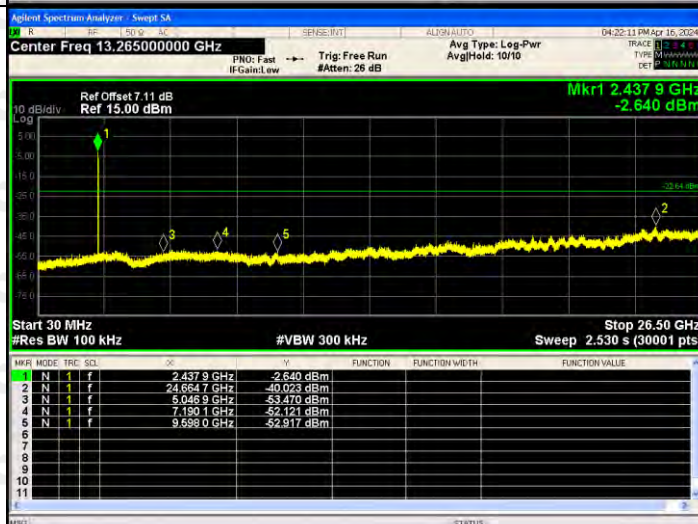


RF Conducted Spurious Emissions Graphs

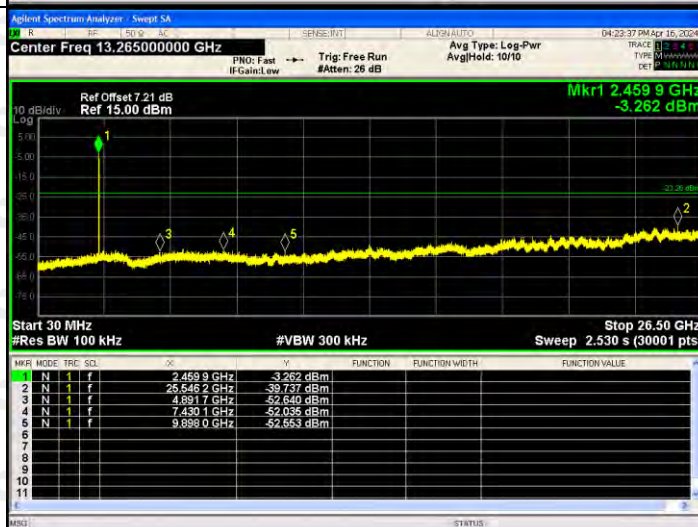
802.11g/LCH



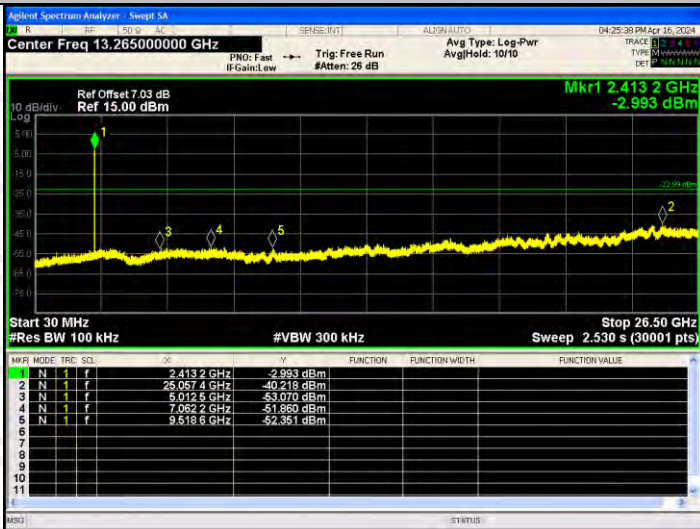
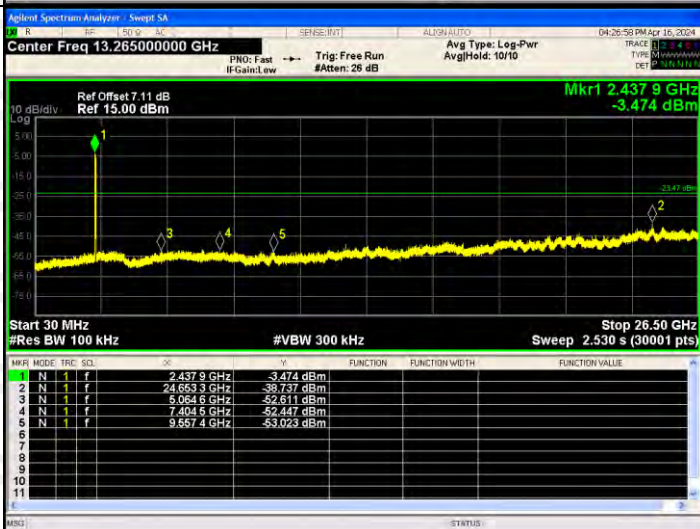
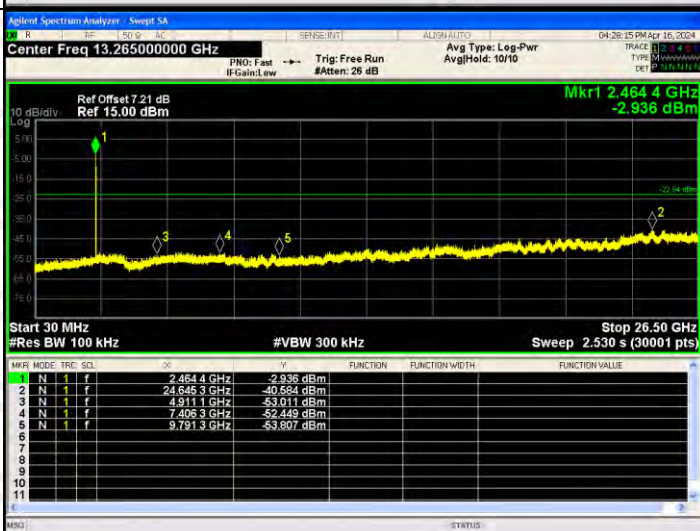
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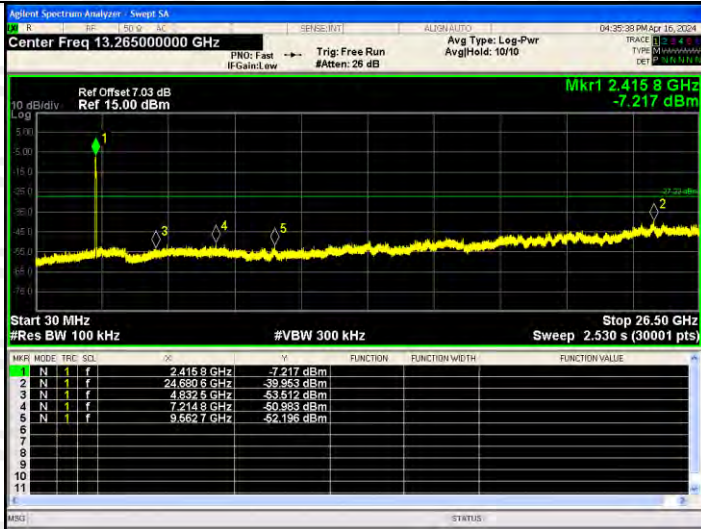
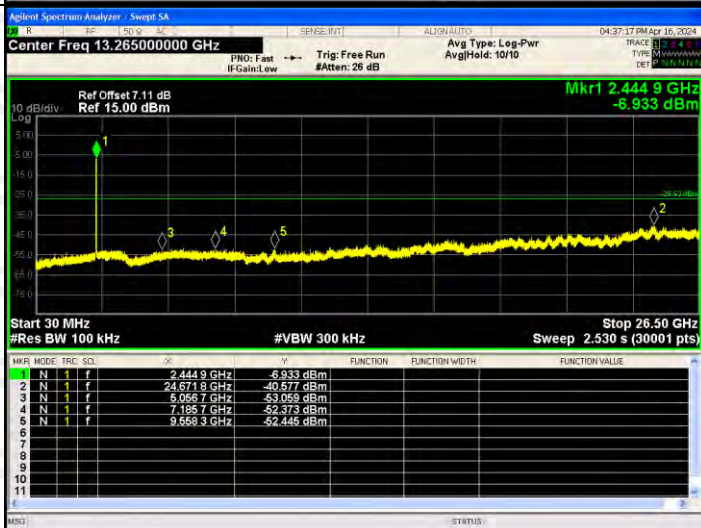
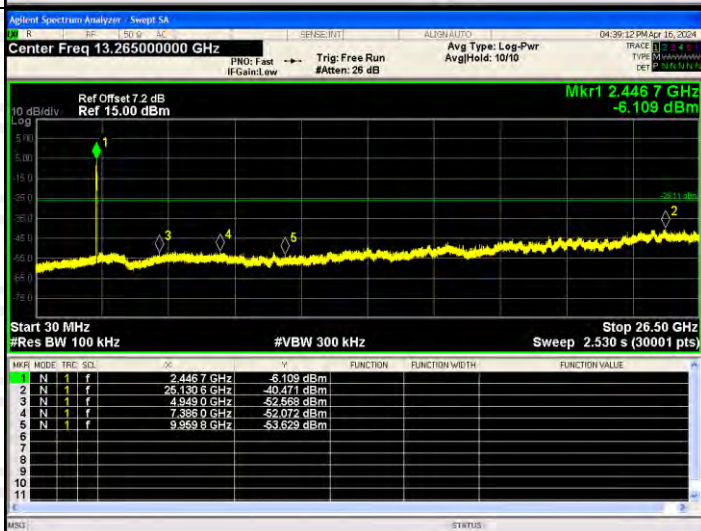


802.11g/HCH



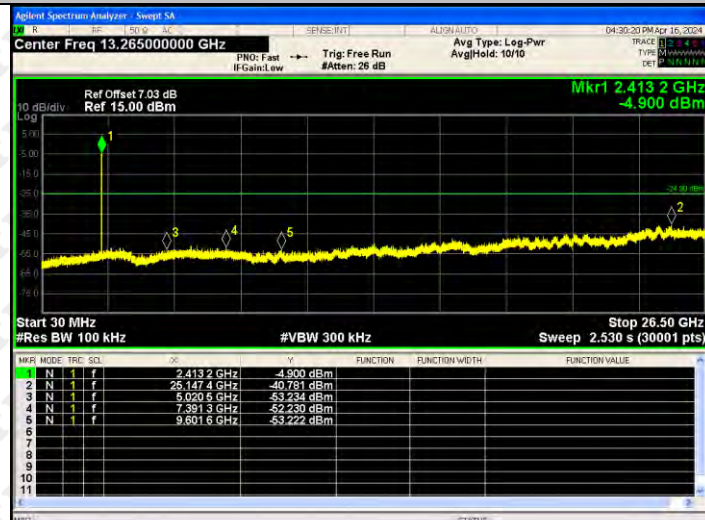
RF Conducted Spurious Emissions Graphs

802.11n(HT20)/ LCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 13.265000000 GHz Ref Offset 7.03 dB Ref 15.00 dBm Mkr1 2.413 2 GHz -2.993 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.530 s (30001 pts) <table><tr><th>MNR</th><th>MODE</th><th>TRF</th><th>SQL</th><th>F</th><th>dBm</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.413 2 GHz</td><td>-2.993 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>25.057 4 GHz</td><td>-40.218 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>5.012 5 GHz</td><td>-53.070 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.092 2 GHz</td><td>-51.860 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.518 0 GHz</td><td>-52.351 dBm</td><td></td><td></td><td></td></tr></table>	MNR	MODE	TRF	SQL	F	dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.413 2 GHz	-2.993 dBm				2	N	1	f	25.057 4 GHz	-40.218 dBm				3	N	1	f	5.012 5 GHz	-53.070 dBm				4	N	1	f	7.092 2 GHz	-51.860 dBm				5	N	1	f	9.518 0 GHz	-52.351 dBm			
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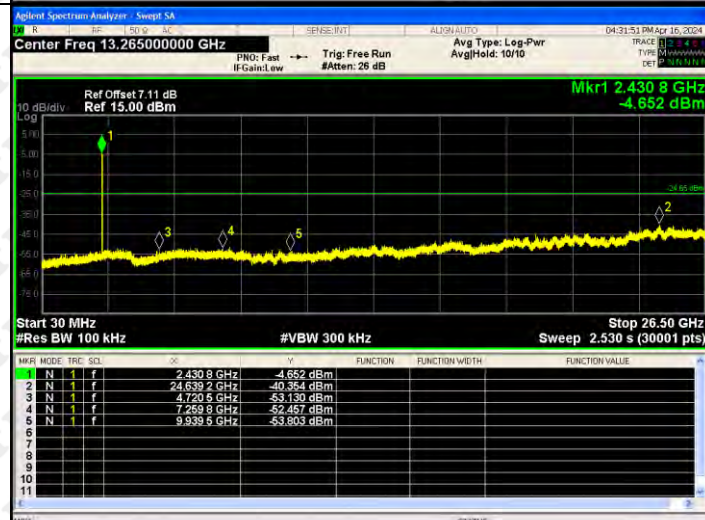
802.11n(HT40)/ LCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 13.265000000 GHz Ref Offset 7.03 dB Ref 15.00 dBm Mkr1 2.4158 GHz -7.217 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.530 s (30001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>F</th><th>P</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.4158 GHz</td><td>-7.217 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>24.6806 GHz</td><td>-39.953 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>4.8325 GHz</td><td>-53.512 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.2148 GHz</td><td>-50.993 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.5627 GHz</td><td>-52.196 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRIG	SOL	F	P	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.4158 GHz	-7.217 dBm				2	N	1	f	24.6806 GHz	-39.953 dBm				3	N	1	f	4.8325 GHz	-53.512 dBm				4	N	1	f	7.2148 GHz	-50.993 dBm				5	N	1	f	9.5627 GHz	-52.196 dBm			
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RF Conducted Spurious Emissions Graphs

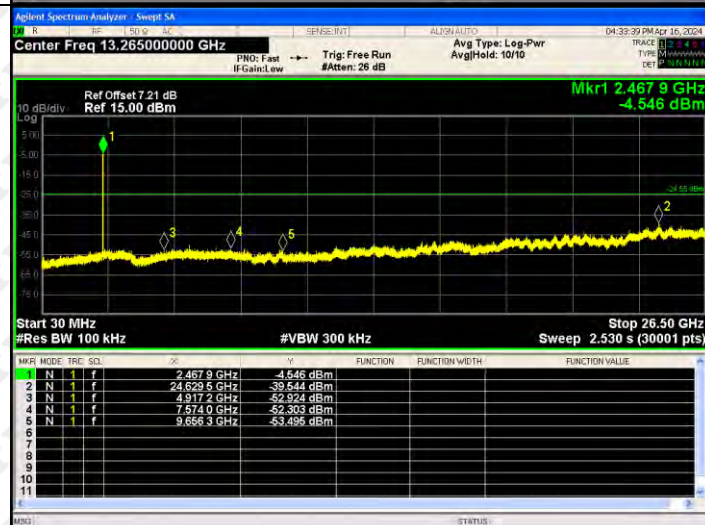
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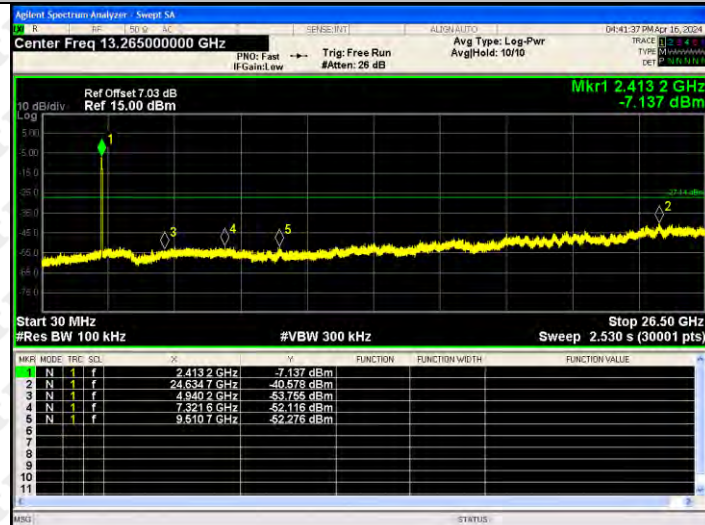


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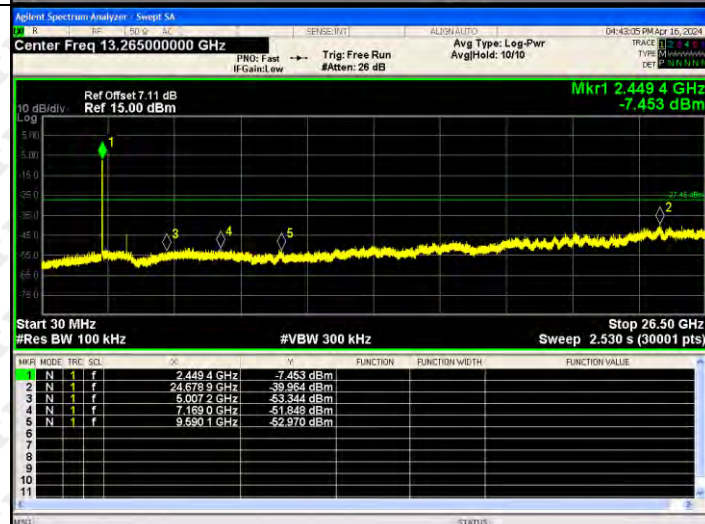


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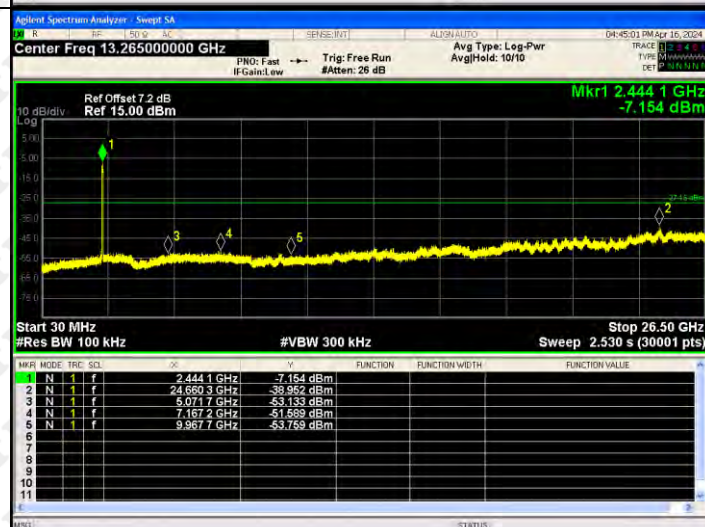
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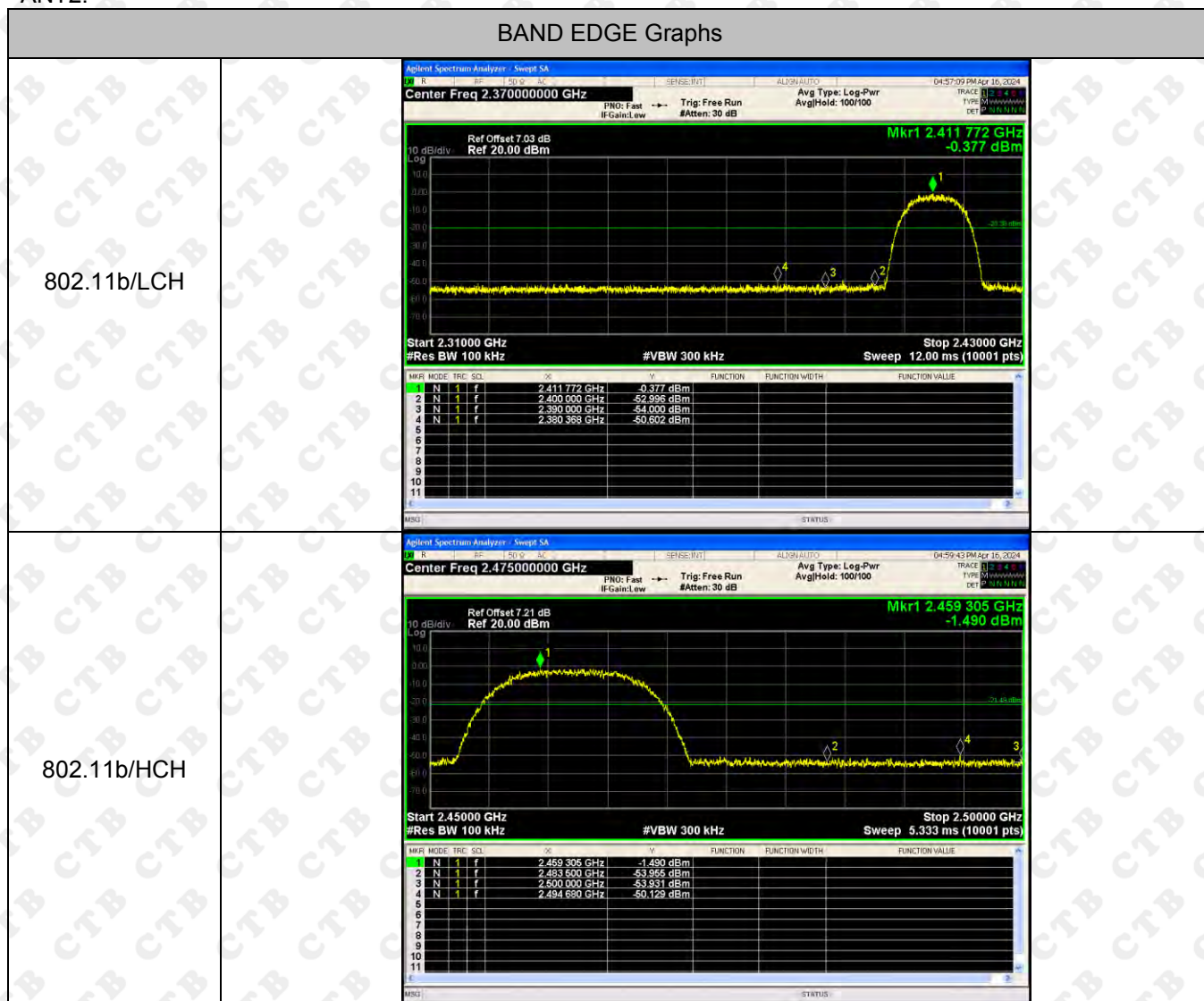
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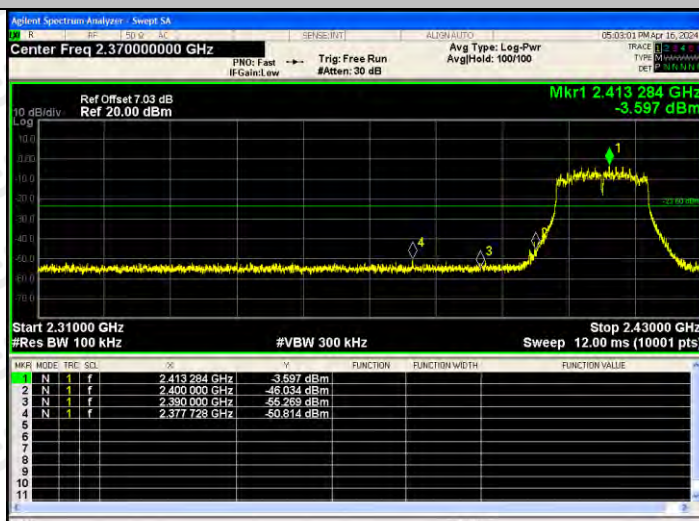


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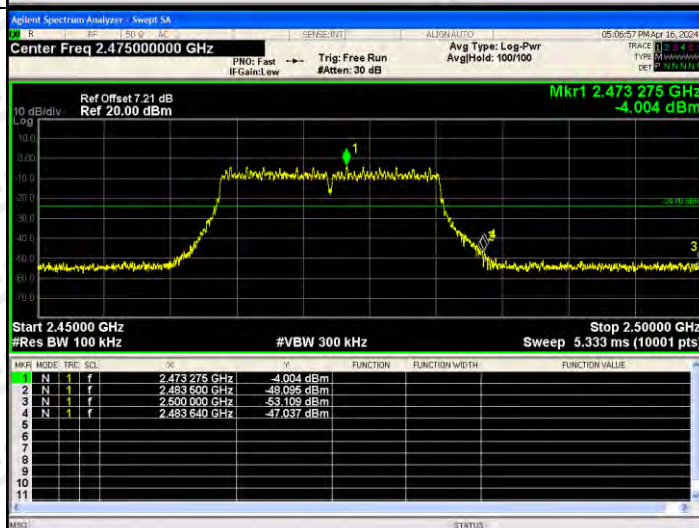


BAND EDGE Graphs

802.11g/LCH

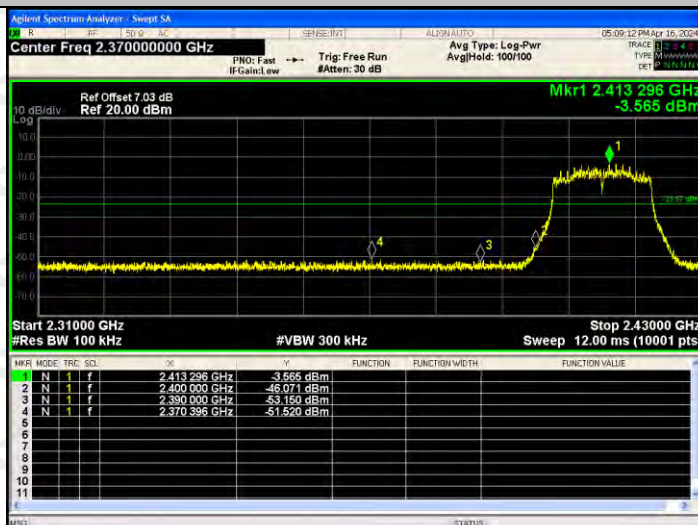


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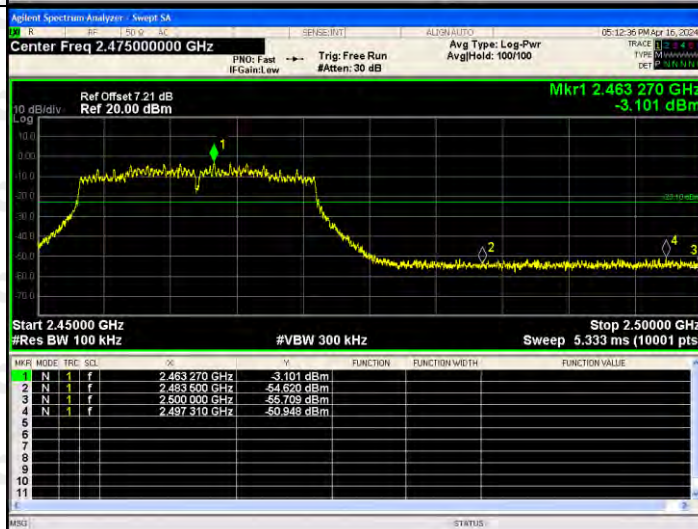


BAND EDGE Graphs

802.11n(HT20)/
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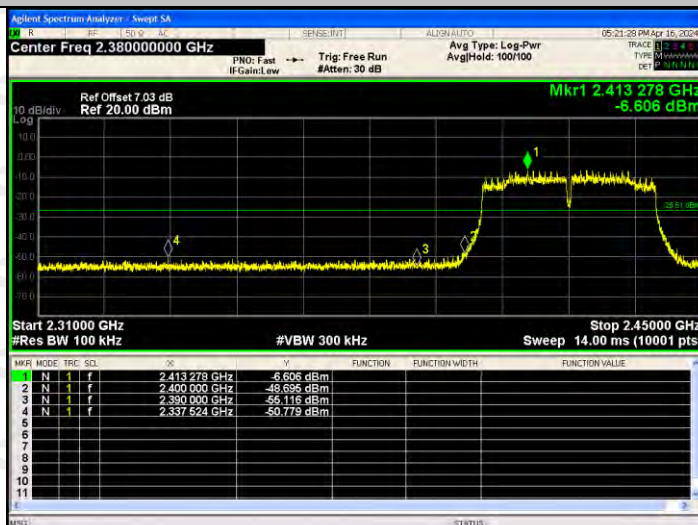


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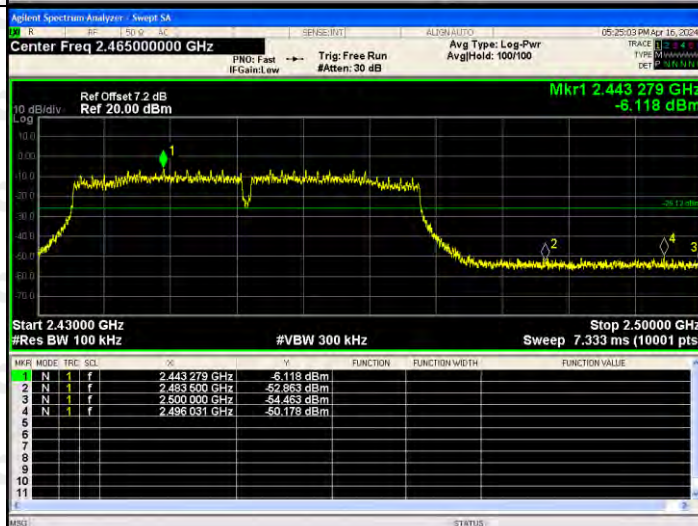


BAND EDGE Graphs

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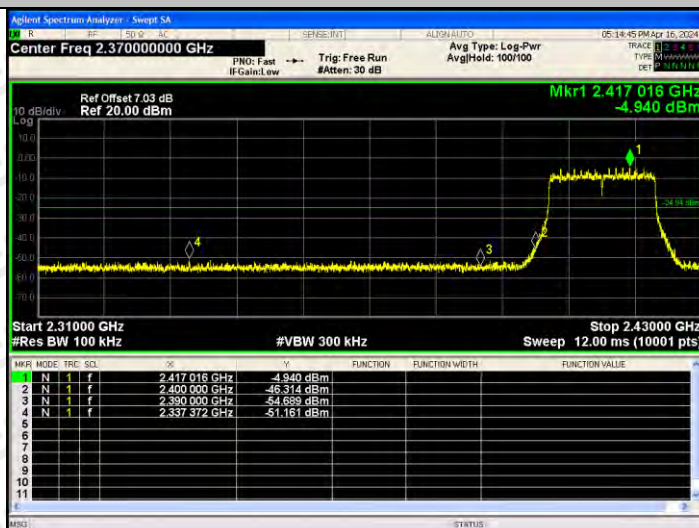


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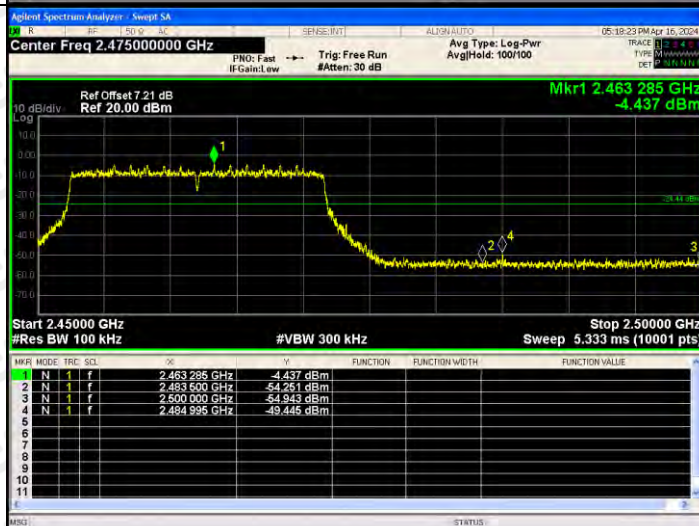


BAND EDGE Graphs

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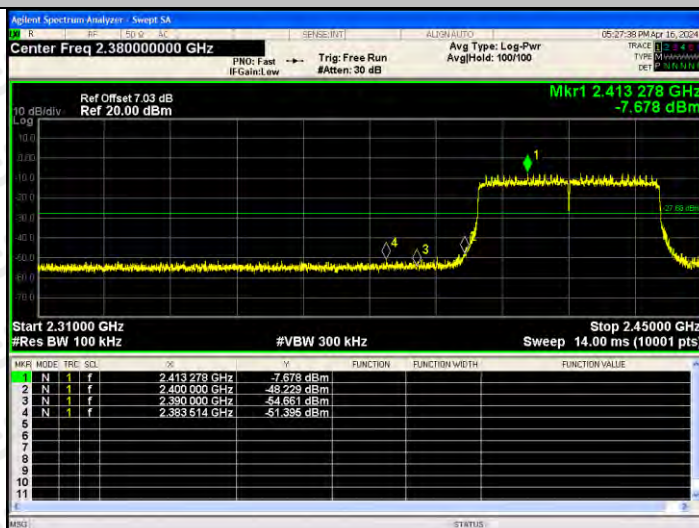


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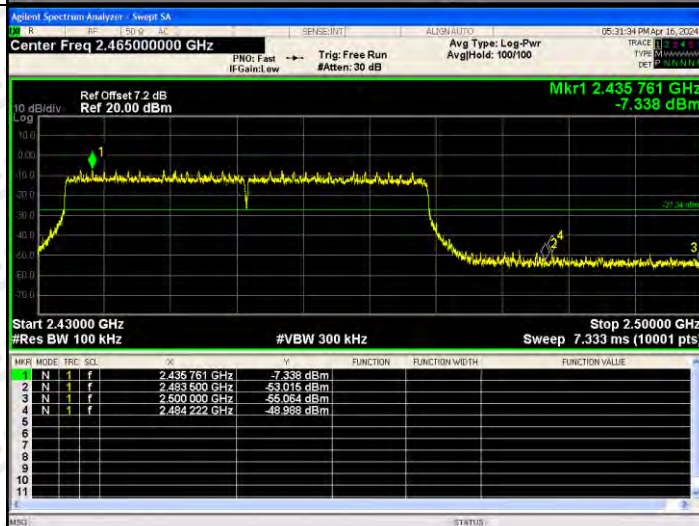


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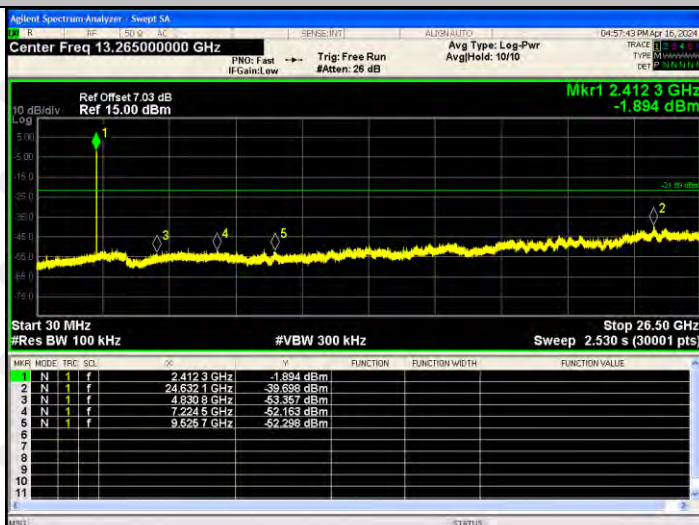


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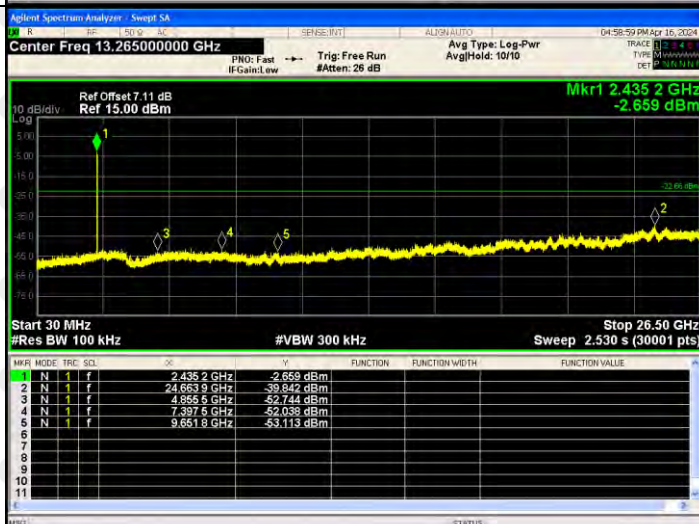


RF Conducted Spurious Emissions Graphs

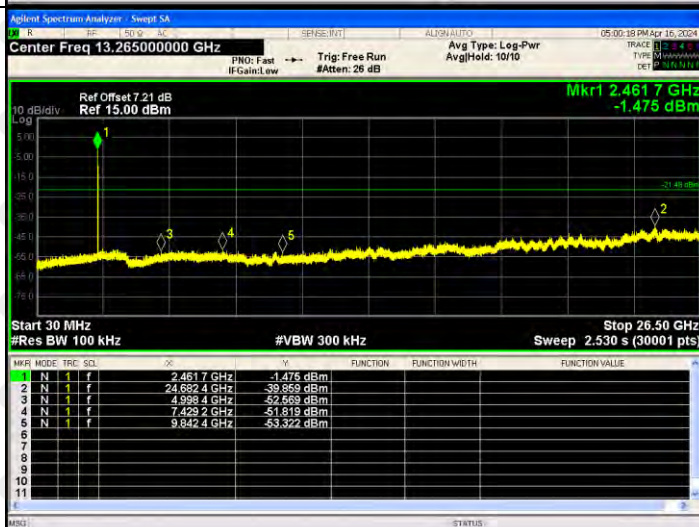
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802.11b/MCH

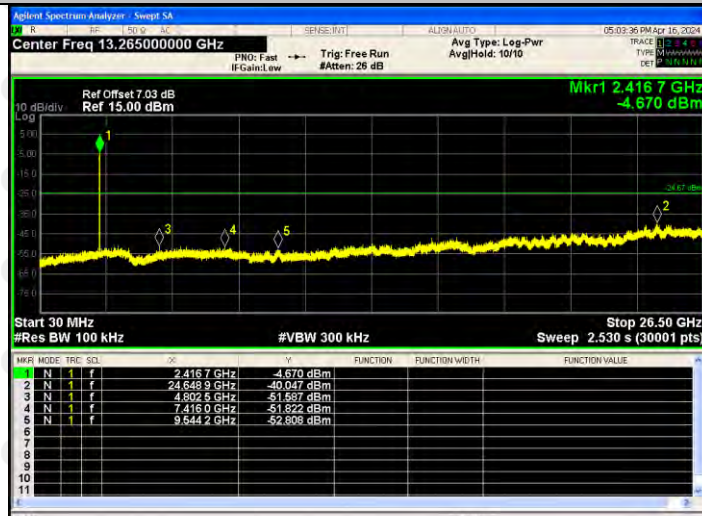


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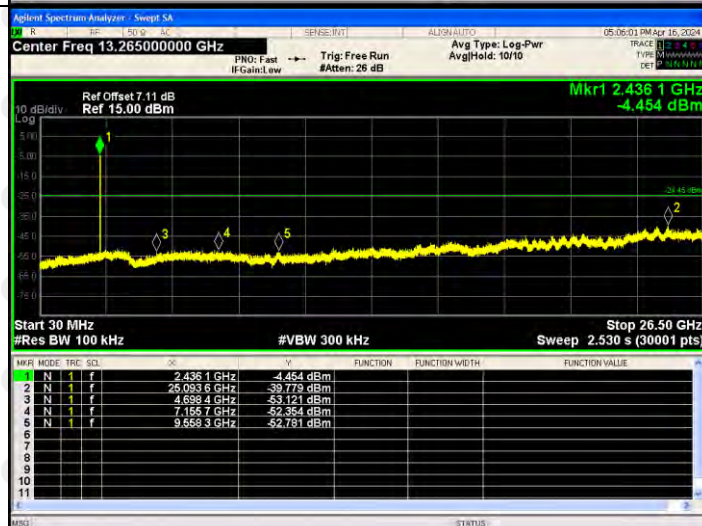


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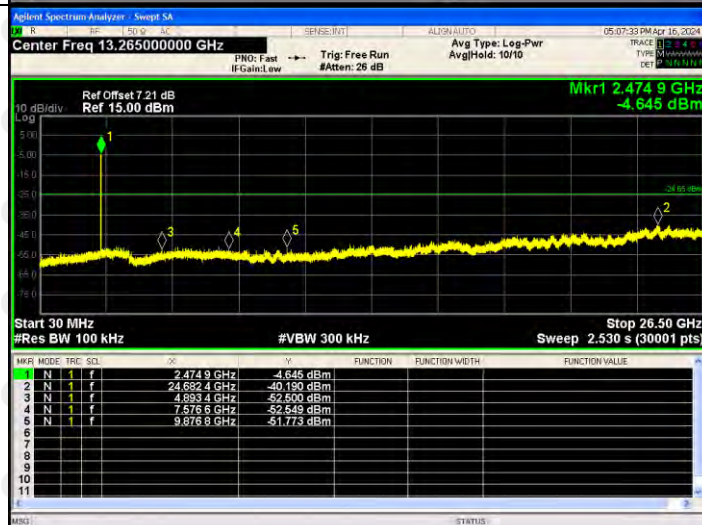
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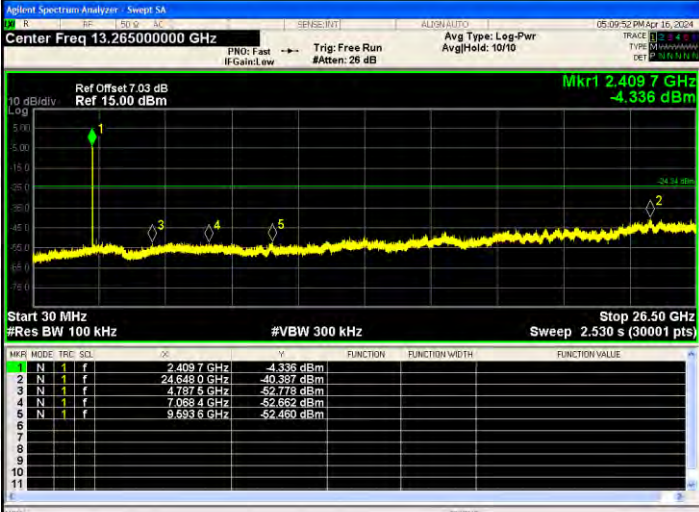
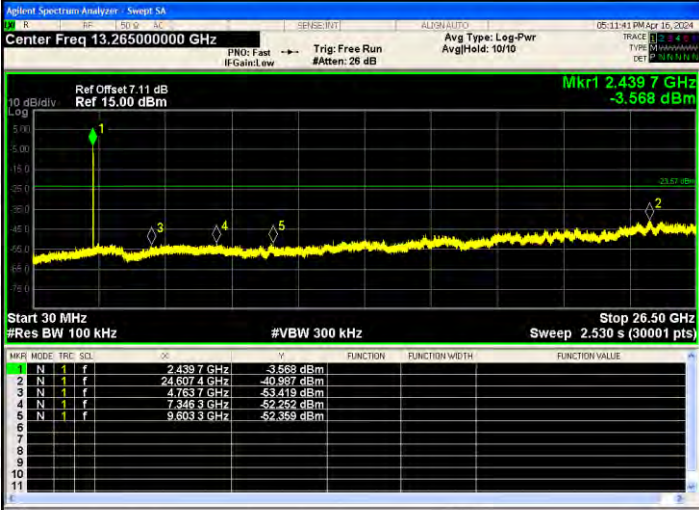
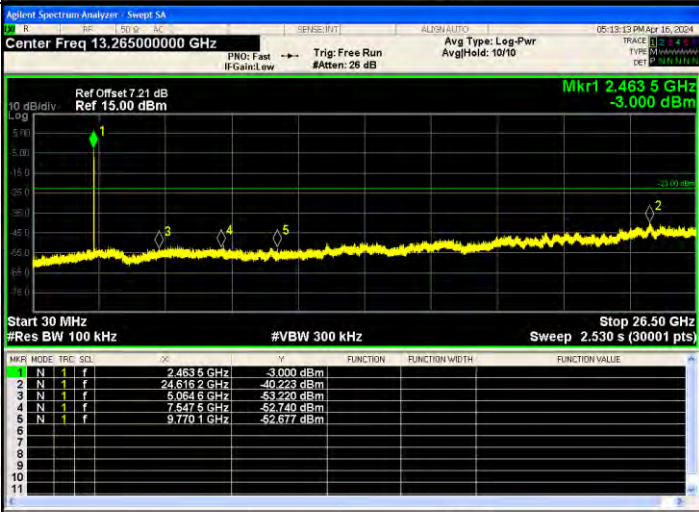
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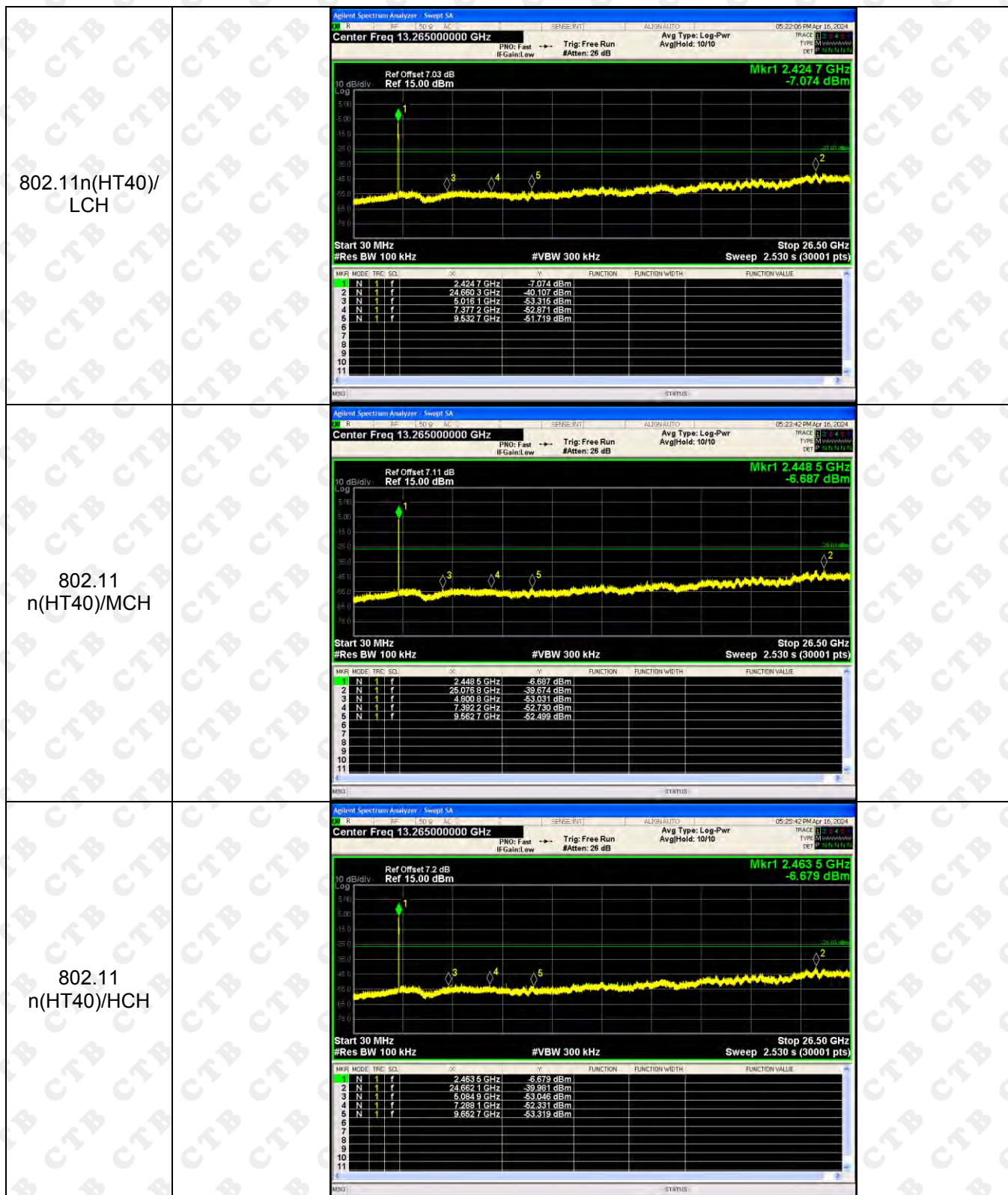


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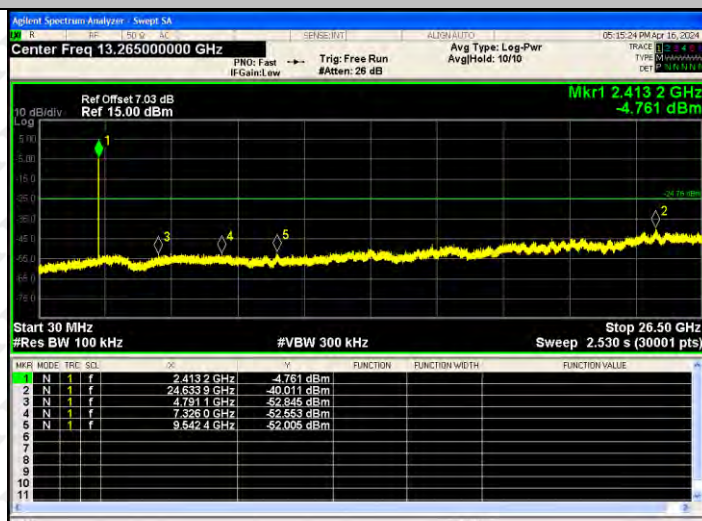
RF Conducted Spurious Emissions Graphs

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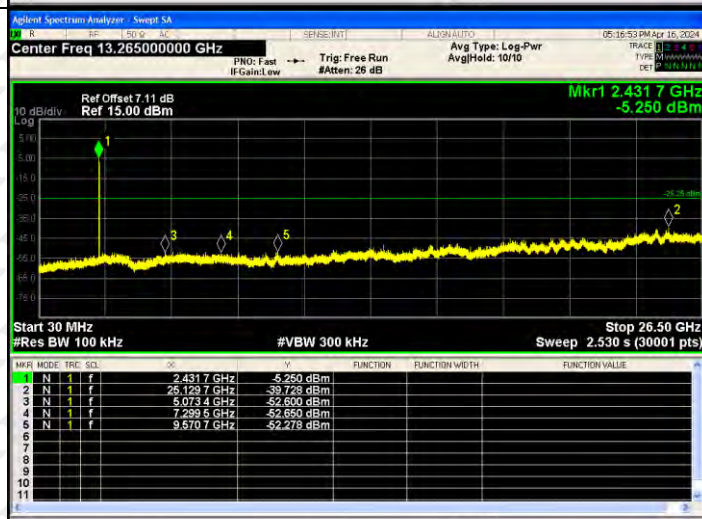


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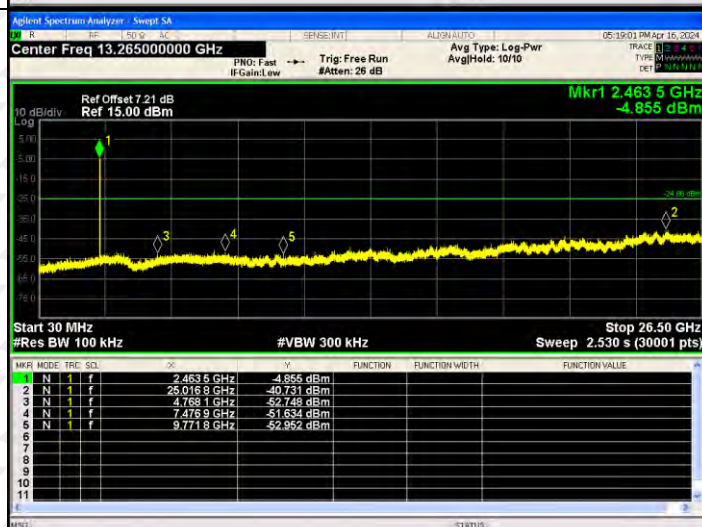
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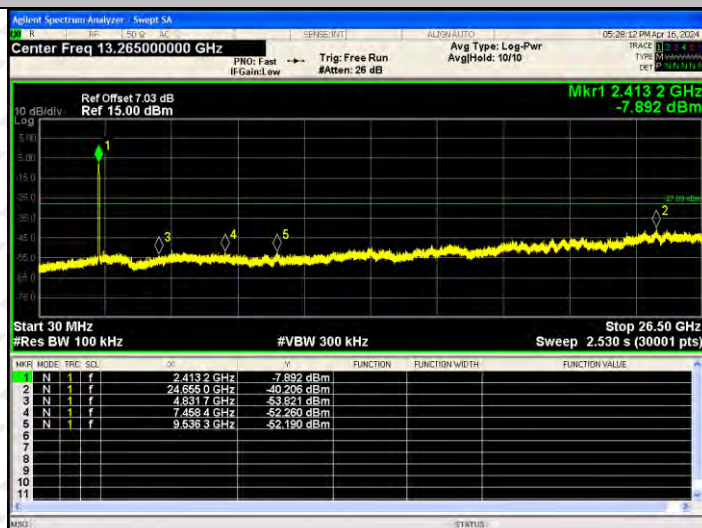


802.11 ax(HT20)/HCH

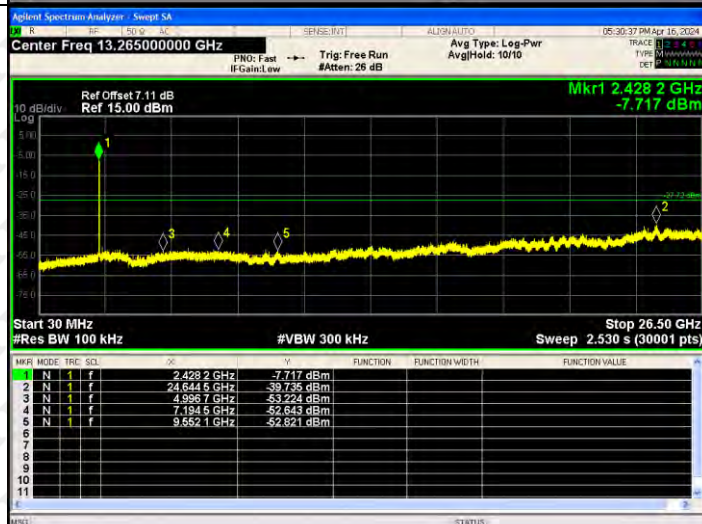


RF Conducted Spurious Emissions Graphs

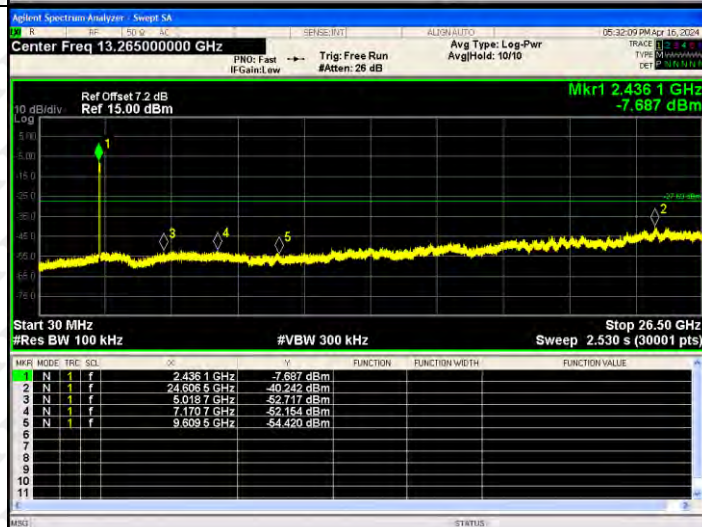
802.11ax(HT40)/LCH



802.11 ax(HT40)/MCH

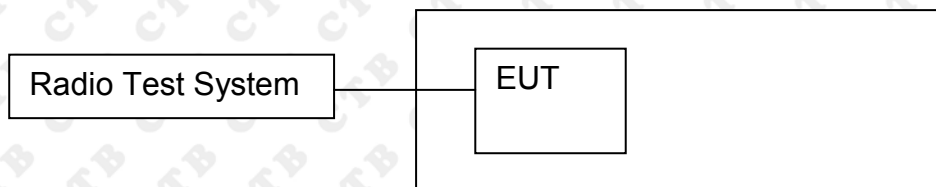


802.11 ax(HT40)/HCH



9. COUDUCTED 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

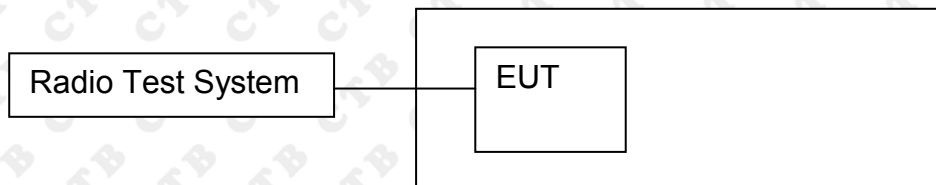
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 1MHz. VBW = 3MHz. Sweep = auto; Detector Function = Peak. Channel power function is used
3. Keep the EUT in transmitting at lowest, middle and highest channel 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	15.258	14.893	/	30
	MCH	15.461	14.648	/	30
	HCH	15.632	14.871	/	30
802.11g	LCH	14.587	14.09	/	30
	MCH	14.86	14.247	/	30
	HCH	15.15	11.715	/	30
802.11n(HT20)	LCH	14.417	13.903	17.178	30
	MCH	14.879	14.21	17.568	30
	HCH	15.064	14.408	17.759	30
802.11n(HT40)	LCH	14.527	14.163	17.359	30
	MCH	14.827	14.287	17.576	30
	HCH	15.008	14.424	17.736	30
802.11ax(HT20)	LCH	14.225	14.432	17.340	30
	MCH	14.913	14.728	17.832	30
	HCH	15.25	14.912	18.095	30
802.11ax(HT40)	LCH	14.997	14.39	17.714	30
	MCH	15.144	14.535	17.860	30
	HCH	15.394	14.732	18.086	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	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

10.3 Test procedure

1. Rem1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
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	10.503	500	PASS
	MCH	10.357	500	PASS
	HCH	10.231	500	PASS
802.11g	LCH	15.654	500	PASS
	MCH	15.168	500	PASS
	HCH	15.138	500	PASS
802.11n(HT20)	LCH	16.051	500	PASS
	MCH	15.145	500	PASS
	HCH	16.346	500	PASS
802.11n(HT40)	LCH	35.166	500	PASS
	MCH	35.168	500	PASS
	HCH	35.153	500	PASS
802.11ax(HT20)	LCH	19.04	500	PASS
	MCH	19.045	500	PASS
	HCH	18.996	500	PASS
802.11ax(HT40)	LCH	37.96	500	PASS
	MCH	37.985	500	PASS
	HCH	37.824	500	PASS

ANT2:

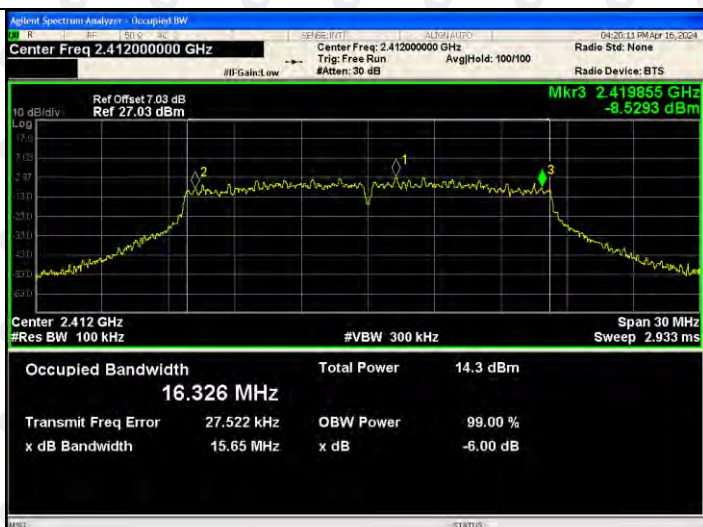
Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	10.346	500	PASS
	MCH	10.371	500	PASS
	HCH	10.394	500	PASS
802.11g	LCH	15.737	500	PASS
	MCH	15.762	500	PASS
	HCH	13.233	500	PASS
802.11n(HT20)	LCH	15.43	500	PASS
	MCH	15.131	500	PASS
	HCH	15.408	500	PASS
802.11n(HT40)	LCH	35.137	500	PASS
	MCH	35.16	500	PASS
	HCH	35.434	500	PASS
802.11ax(HT20)	LCH	18.837	500	PASS
	MCH	18.981	500	PASS
	HCH	18.95	500	PASS
802.11ax(HT40)	LCH	37.999	500	PASS
	MCH	37.942	500	PASS
	HCH	37.876	500	PASS

ANT1:

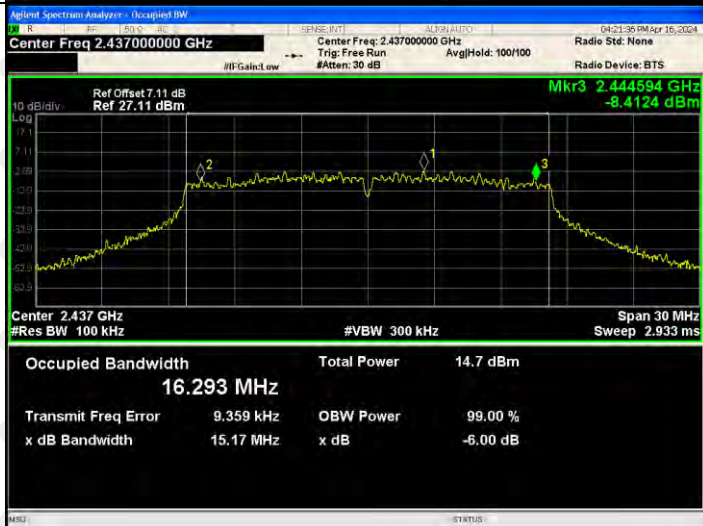
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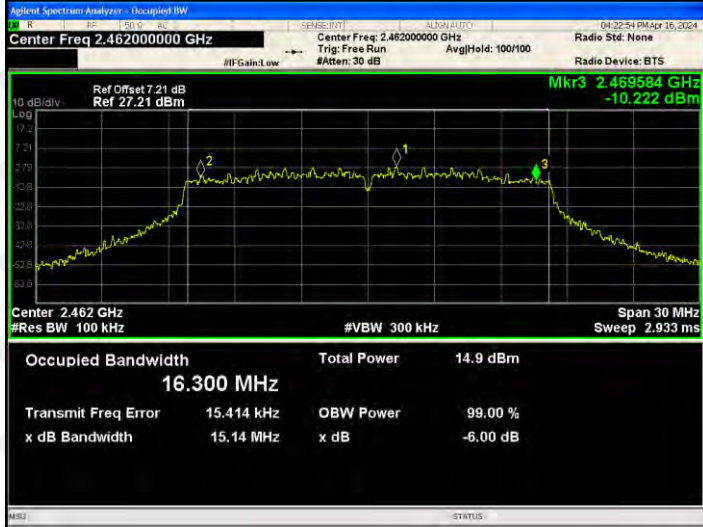
802.11g/LCH

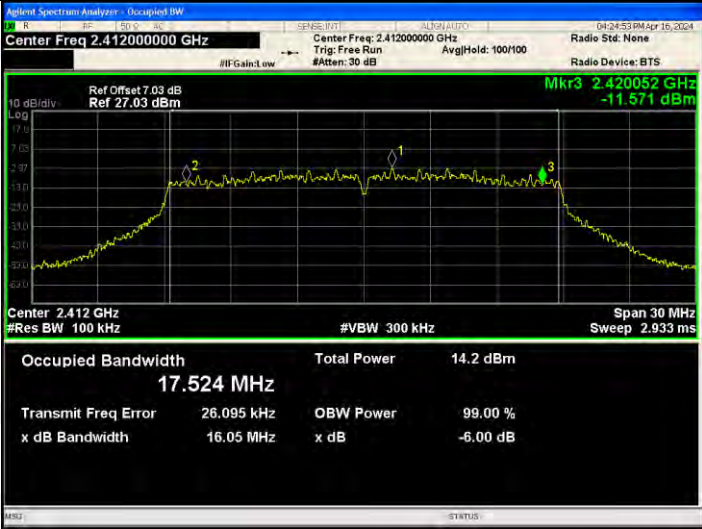
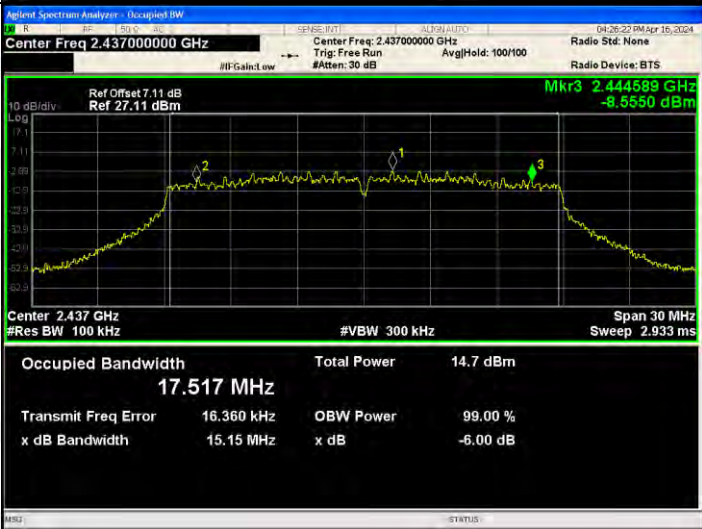
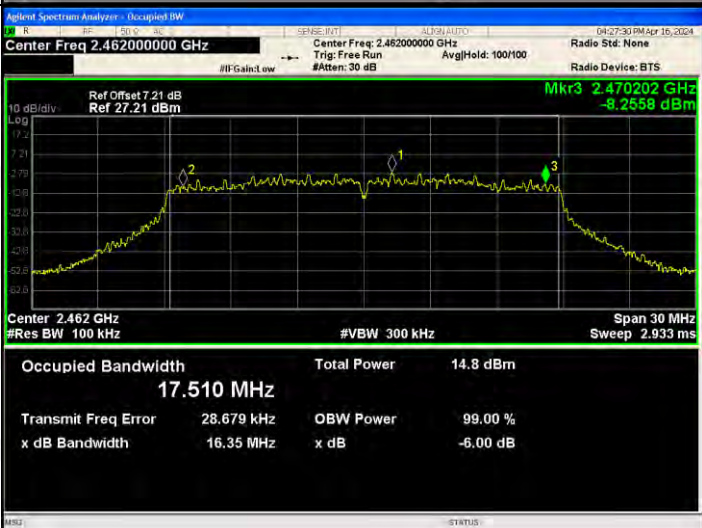


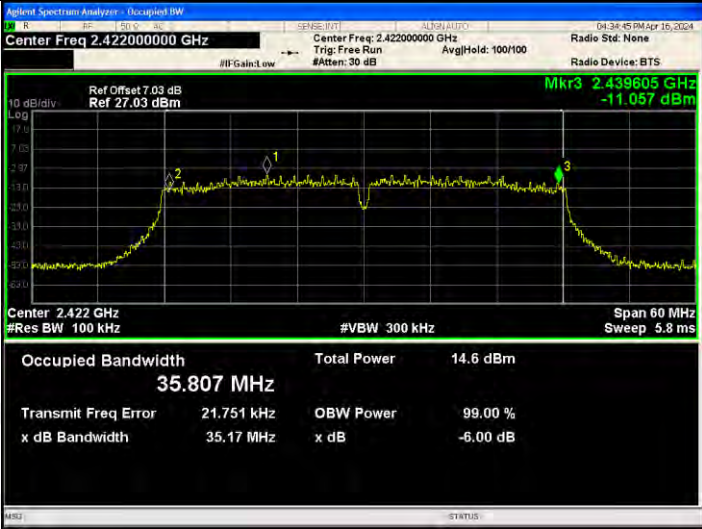
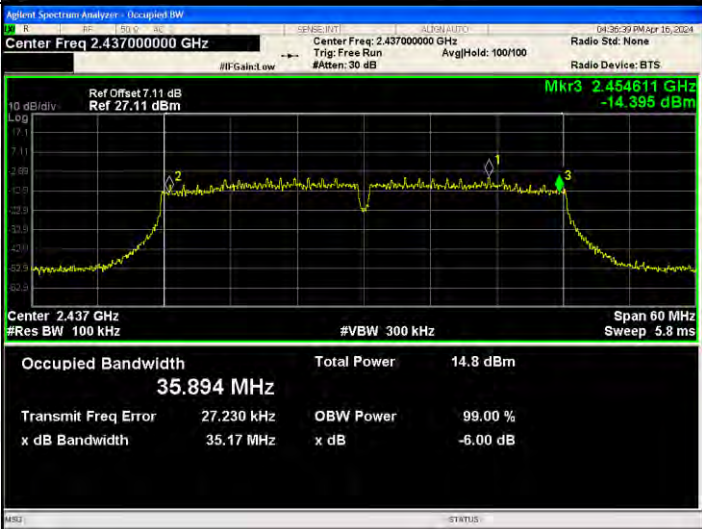
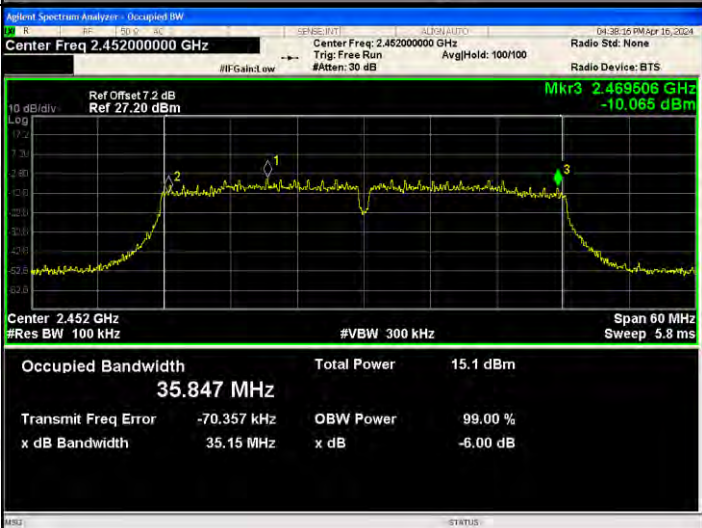
802.11g/MCH

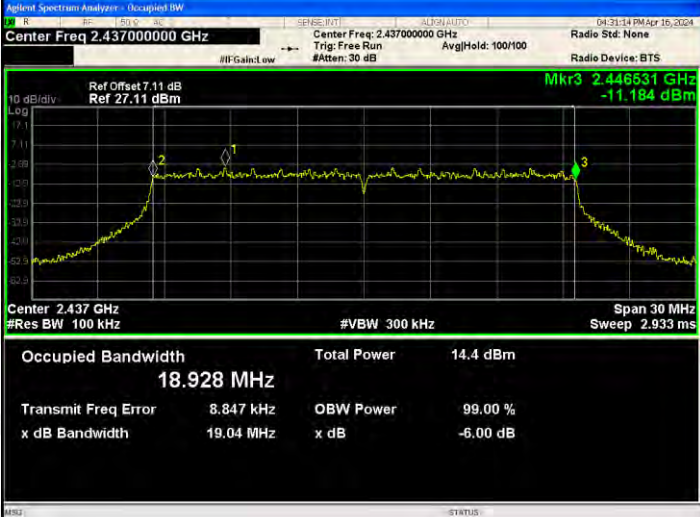
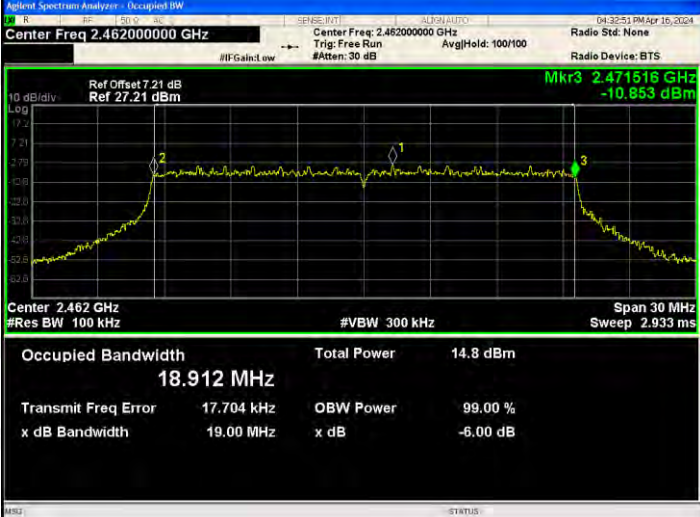


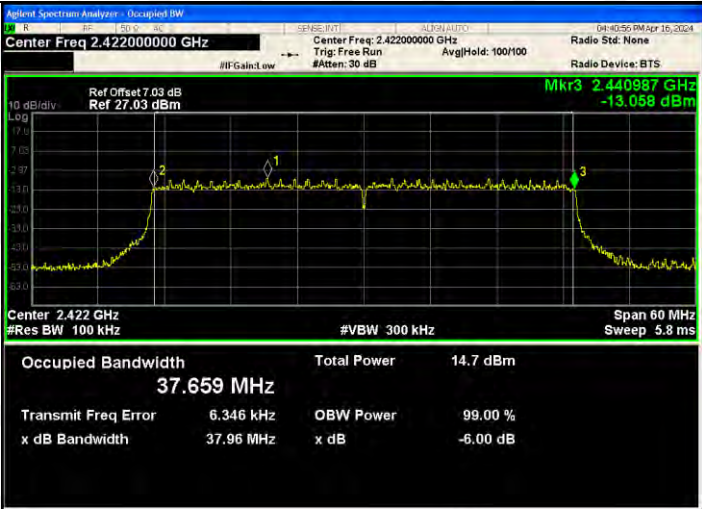
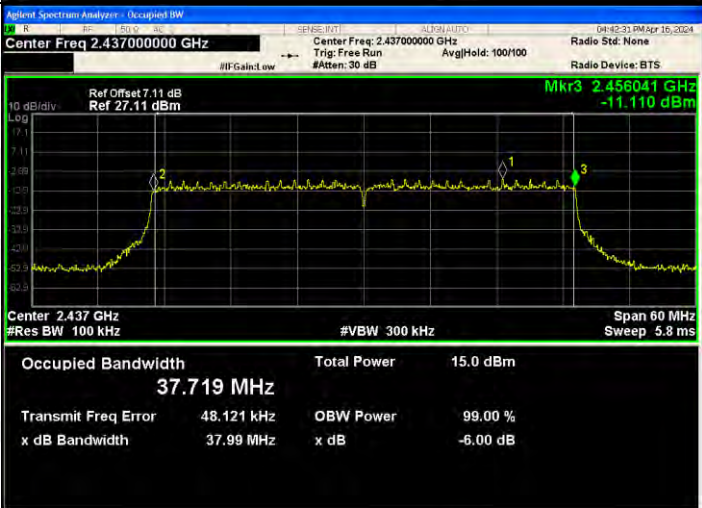
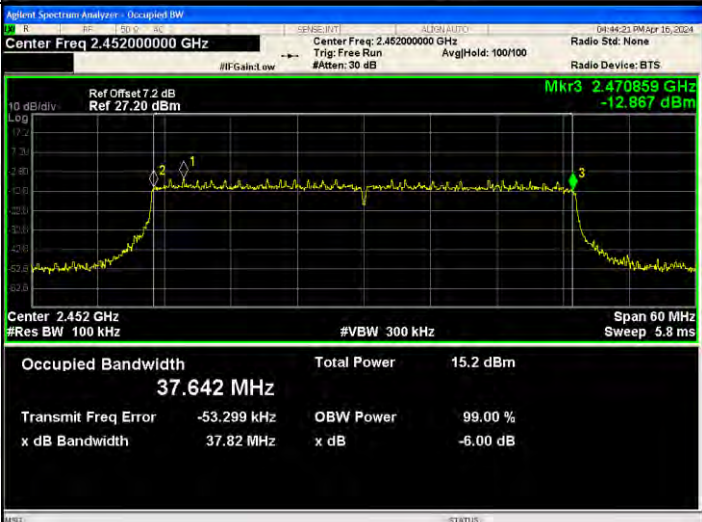
802.11g/HCH



802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.41200000 GHz Ref Offset 7.03 dB Ref 27.03 dBm Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.524 MHz Total Power 14.2 dBm Transmit Freq Error 26.095 kHz OBW Power 99.00 % x dB Bandwidth 16.05 MHz x dB -6.00 dB
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Ref Offset 7.11 dB Ref 27.11 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.517 MHz Total Power 14.7 dBm Transmit Freq Error 16.360 kHz OBW Power 99.00 % x dB Bandwidth 15.15 MHz x dB -6.00 dB
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.46200000 GHz Ref Offset 7.21 dB Ref 27.21 dBm Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.510 MHz Total Power 14.8 dBm Transmit Freq Error 28.679 kHz OBW Power 99.00 % x dB Bandwidth 16.35 MHz x dB -6.00 dB

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.42200000 GHz Ref Offset 7.03 dB Ref 27.03 dBm Occupied Bandwidth 35.807 MHz Total Power 14.6 dBm Transmit Freq Error 21.751 kHz OBW Power 99.00 % x dB Bandwidth 35.17 MHz x dB -6.00 dB
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Ref Offset 7.11 dB Ref 27.11 dBm Occupied Bandwidth 35.894 MHz Total Power 14.8 dBm Transmit Freq Error 27.230 kHz OBW Power 99.00 % x dB Bandwidth 35.17 MHz x dB -6.00 dB
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.45200000 GHz Ref Offset 7.2 dB Ref 27.20 dBm Occupied Bandwidth 35.847 MHz Total Power 15.1 dBm Transmit Freq Error -70.357 kHz OBW Power 99.00 % x dB Bandwidth 35.15 MHz x dB -6.00 dB

802.11ax(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Ref Offset 7.03 dB Ref 27.03 dBm Mkr3 2.421546 GHz -10.935 dBm Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 18.917 MHz Total Power 13.7 dBm Transmit Freq Error 26.296 kHz OBW Power 99.00 % x dB Bandwidth 19.04 MHz x dB -6.00 dB
802.11ax(HT20)/M CH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 7.11 dB Ref 27.11 dBm Mkr3 2.446531 GHz -11.184 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 18.928 MHz Total Power 14.4 dBm Transmit Freq Error 8.847 kHz OBW Power 99.00 % x dB Bandwidth 19.04 MHz x dB -6.00 dB
802.11ax(HT20)/H CH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Ref Offset 7.21 dB Ref 27.21 dBm Mkr3 2.471516 GHz -10.853 dBm Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 18.912 MHz Total Power 14.8 dBm Transmit Freq Error 17.704 kHz OBW Power 99.00 % x dB Bandwidth 19.00 MHz x dB -6.00 dB

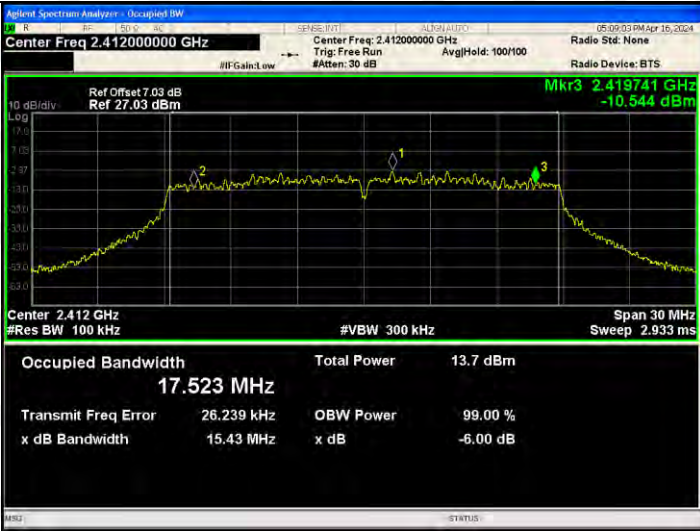
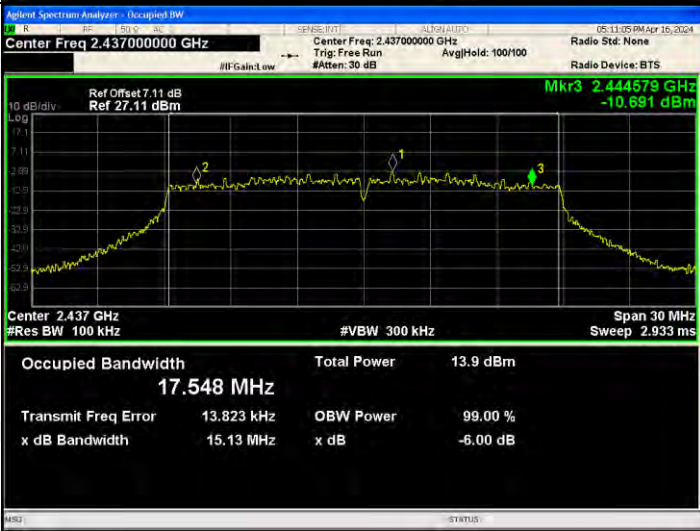
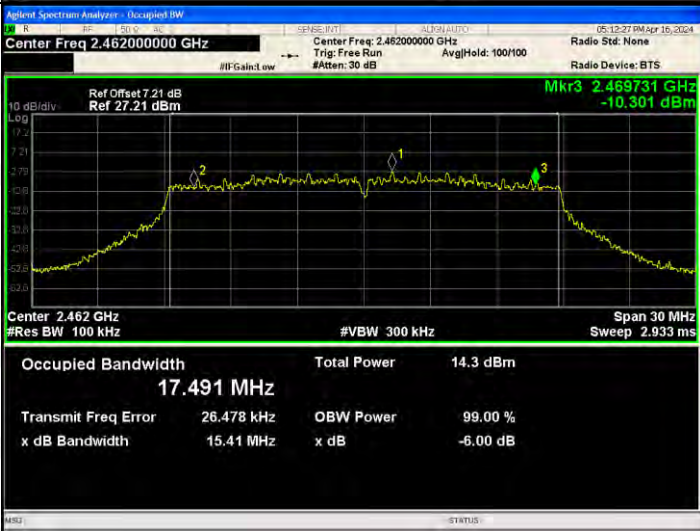
802.11ax(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.422000000 GHz Ref Offset 7.03 dB Ref 27.03 dBm Occupied Bandwidth 37.659 MHz Total Power 14.7 dBm Transmit Freq Error 6.346 kHz OBW Power 99.00 % x dB Bandwidth 37.96 MHz x dB -6.00 dB
802.11ax(HT40)/M CH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 7.11 dB Ref 27.11 dBm Occupied Bandwidth 37.719 MHz Total Power 15.0 dBm Transmit Freq Error 48.121 kHz OBW Power 99.00 % x dB Bandwidth 37.99 MHz x dB -6.00 dB
802.11ax(HT40)/H CH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.452000000 GHz Ref Offset 7.2 dB Ref 27.20 dBm Occupied Bandwidth 37.642 MHz Total Power 15.2 dBm Transmit Freq Error -53.299 kHz OBW Power 99.00 % x dB Bandwidth 37.82 MHz x dB -6.00 dB

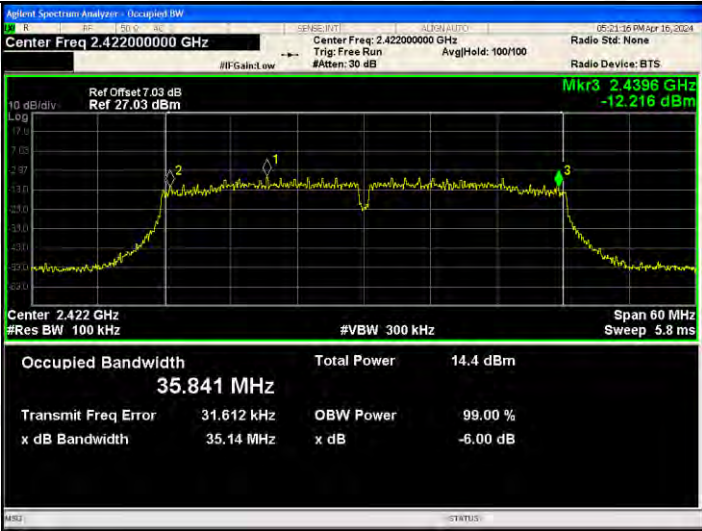
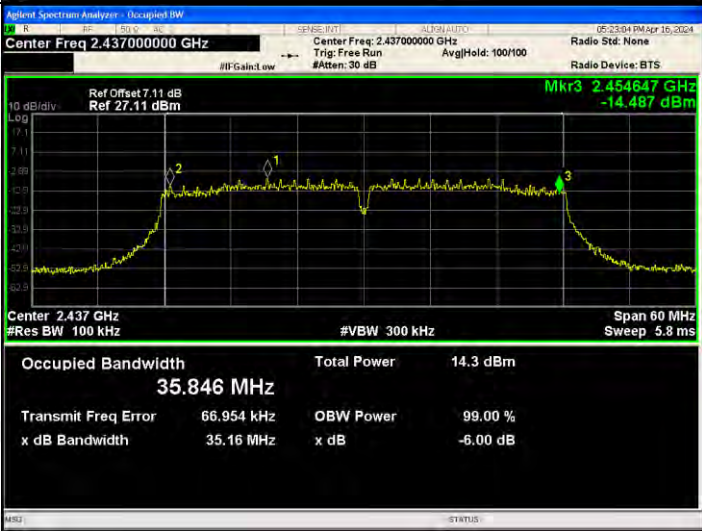
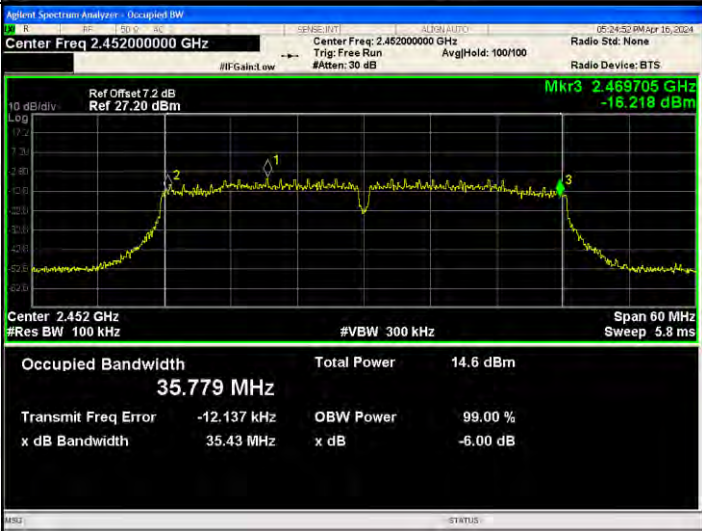
ANT2:

Test Graph:

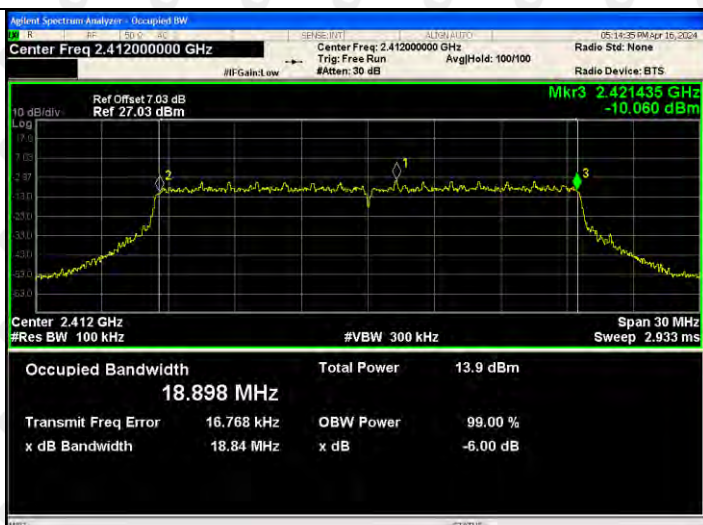


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Page 88 of 109

802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.41200000 GHz Ref Offset 7.03 dB Ref 27.03 dBm Occupied Bandwidth 17.523 MHz Total Power 13.7 dBm Transmit Freq Error 26.239 kHz OBW Power 99.00 % x dB Bandwidth 15.43 MHz x dB -6.00 dB
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Ref Offset 7.11 dB Ref 27.11 dBm Occupied Bandwidth 17.548 MHz Total Power 13.9 dBm Transmit Freq Error 13.823 kHz OBW Power 99.00 % x dB Bandwidth 15.13 MHz x dB -6.00 dB
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.46200000 GHz Ref Offset 7.21 dB Ref 27.21 dBm Occupied Bandwidth 17.491 MHz Total Power 14.3 dBm Transmit Freq Error 26.478 kHz OBW Power 99.00 % x dB Bandwidth 15.41 MHz x dB -6.00 dB

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.422000000 GHz Ref Offset 7.03 dB Ref 27.03 dBm Mkr3 2.4396 GHz -12.216 dBm Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.841 MHz Total Power 14.4 dBm Transmit Freq Error 31.612 kHz OBW Power 99.00 % x dB Bandwidth 35.14 MHz x dB -6.00 dB
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 7.11 dB Ref 27.11 dBm Mkr3 2.454647 GHz -14.487 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.846 MHz Total Power 14.3 dBm Transmit Freq Error 66.954 kHz OBW Power 99.00 % x dB Bandwidth 35.16 MHz x dB -6.00 dB
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.452000000 GHz Ref Offset 7.2 dB Ref 27.20 dBm Mkr3 2.469705 GHz -16.218 dBm Center 2.452 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms Occupied Bandwidth 35.779 MHz Total Power 14.6 dBm Transmit Freq Error -12.137 kHz OBW Power 99.00 % x dB Bandwidth 35.43 MHz x dB -6.00 dB

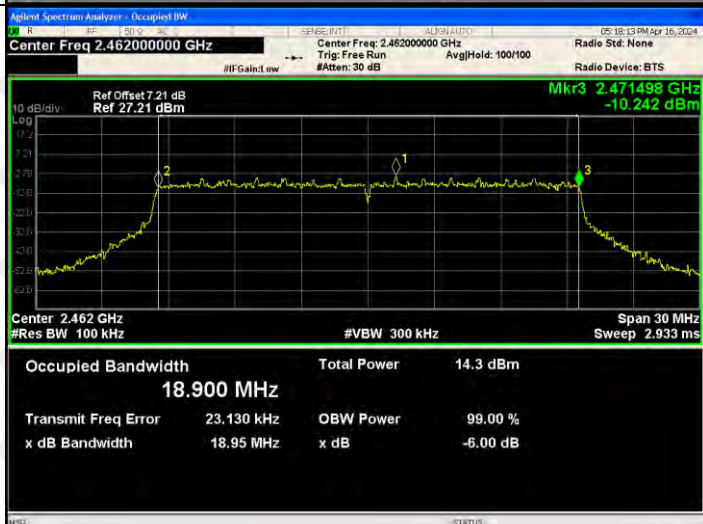
802.11ax(HT20)/LC
H

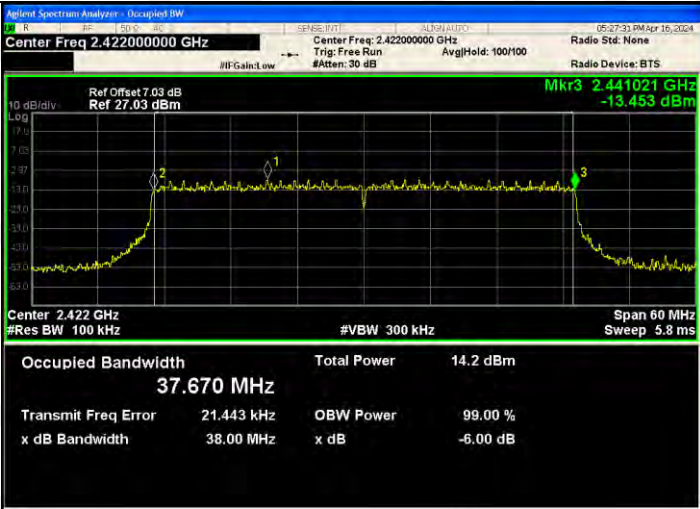
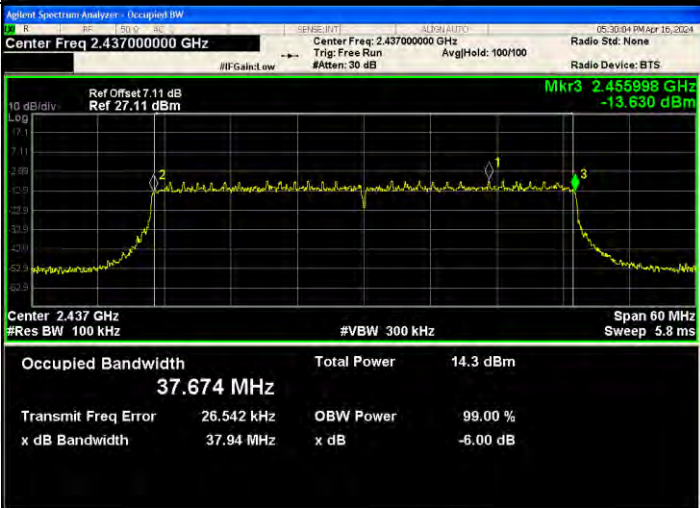
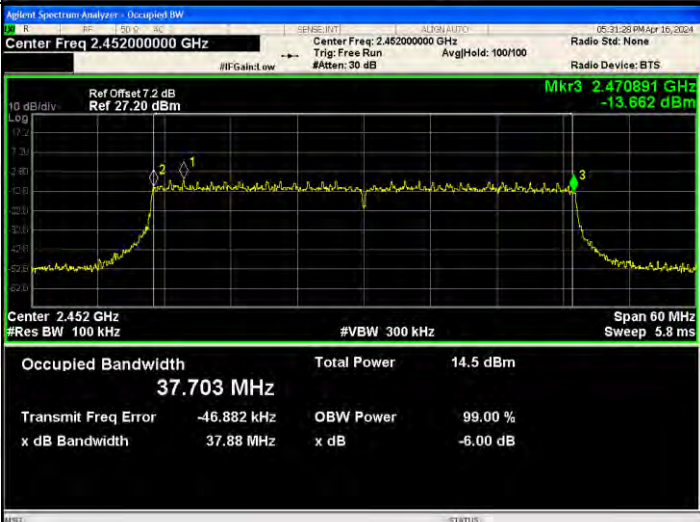


802.11ax(HT20)/M
CH



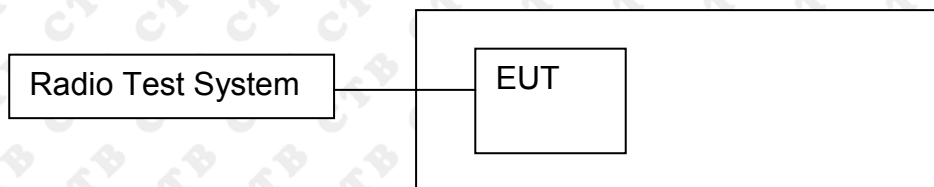
802.11ax(HT20)/H
CH



802.11ax(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.422000000 GHz Ref Offset: 7.03 dB Ref: 27.03 dBm Occupied Bandwidth: 37.670 MHz Total Power: 14.2 dBm Transmit Freq Error: 21.443 kHz OBW Power: 99.00 % x dB Bandwidth: 38.00 MHz x dB: -6.00 dB
802.11ax(HT40)/M CH	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.437000000 GHz Ref Offset: 7.11 dB Ref: 27.11 dBm Occupied Bandwidth: 37.674 MHz Total Power: 14.3 dBm Transmit Freq Error: 26.542 kHz OBW Power: 99.00 % x dB Bandwidth: 37.94 MHz x dB: -6.00 dB
802.11ax(HT40)/H CH	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.452000000 GHz Ref Offset: 7.2 dB Ref: 27.20 dBm Occupied Bandwidth: 37.703 MHz Total Power: 14.5 dBm Transmit Freq Error: -46.882 kHz OBW Power: 99.00 % x dB Bandwidth: 37.88 MHz x dB: -6.00 dB

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: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
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	-0.151	-0.96	/	8
	MCH	0.112	-0.325	/	8
	HCH	0.217	-0.109	/	8
802.11g	LCH	-2.936	-3.258	/	8
	MCH	-2.681	-2.902	/	8
	HCH	-2.649	-2.656	/	8
802.11n(H T20)	LCH	-3.206	-3.064	-0.124	8
	MCH	-2.604	-2.876	0.272	8
	HCH	-2.309	-2.915	0.409	8
802.11n(H T40)	LCH	-6.184	-6.193	-3.178	8
	MCH	-5.761	-6.101	-2.917	8
	HCH	-5.564	-5.667	-2.605	8
802.11ax(HT20)	LCH	-3.054	-3.138	-0.085	8
	MCH	-2.89	-2.918	0.106	8
	HCH	-2.585	-2.562	0.437	8
802.11ax(HT40)	LCH	-6.281	-7.252	-3.729	8
	MCH	-5.939	-7.302	-3.557	8
	HCH	-5.578	-5.416	-2.486	8

ANT1: Test Graph

Graphs

802.11b /LCH



802.11b /MCH



802.11b/HCH



802.11g/LCH



802.11g/MCH



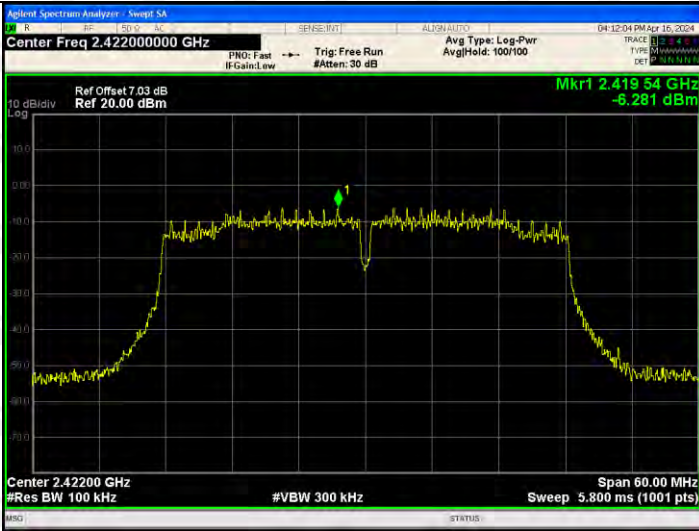
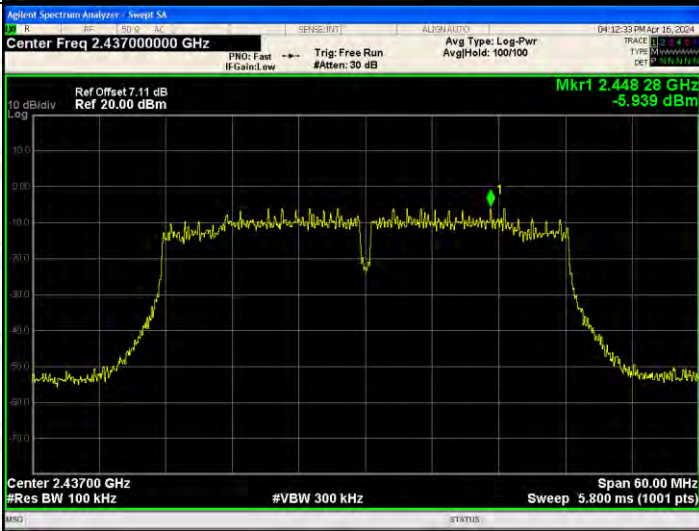
802.11g/HCH



802.11n(HT20)/LCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.41200000 GHz Ref Offset 7.03 dB Ref 20.00 dBm Mkr1 2.41452 GHz -3.206 dBm Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)
802.11n(HT20)/MCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz Ref Offset 7.11 dB Ref 20.00 dBm Mkr1 2.43826 GHz -2.604 dBm Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)
802.11n(HT20)/HCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.46200000 GHz Ref Offset 7.21 dB Ref 20.00 dBm Mkr1 2.46329 GHz -2.309 dBm Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)

802.11n(HT40)/LCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.42200000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.800 ms (1001 pts) Mkr1 2.43328 GHz -6.184 dBm
802.11n(HT40)/MCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.800 ms (1001 pts) Mkr1 2.44828 GHz -5.761 dBm
802.11n(HT40)/HCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.45200000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.800 ms (1001 pts) Mkr1 2.44324 GHz -5.564 dBm

802.11ax(HT20)/LC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.41200000 GHz Ref Offset 7.03 dB Ref 20.00 dBm Mkr1 2.413 29 GHz -3.054 dBm Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)
802.11ax(HT20)/MC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz Ref Offset 7.11 dB Ref 20.00 dBm Mkr1 2.438 26 GHz -2.890 dBm Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)
802.11ax(HT20)/HC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.46200000 GHz Ref Offset 7.21 dB Ref 20.00 dBm Mkr1 2.463 29 GHz -2.585 dBm Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)

802.11ax(HT40)/LC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.42200000 GHz Ref Offset 7.03 dB Ref 20.00 dBm Mkr1 2.419 54 GHz -6.281 dBm Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Span 60.00 MHz Sweep 5.800 ms (1001 pts)
802.11ax(HT40)/MC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz Ref Offset 7.11 dB Ref 20.00 dBm Mkr1 2.448 28 GHz -5.939 dBm Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 60.00 MHz Sweep 5.800 ms (1001 pts)
802.11ax(HT40)/HC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.45200000 GHz Ref Offset 7.2 dB Ref 20.00 dBm Mkr1 2.443 30 GHz -5.578 dBm Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Span 60.00 MHz Sweep 5.800 ms (1001 pts)

ANT 2: Test Graph

Graphs

802.11b /LCH



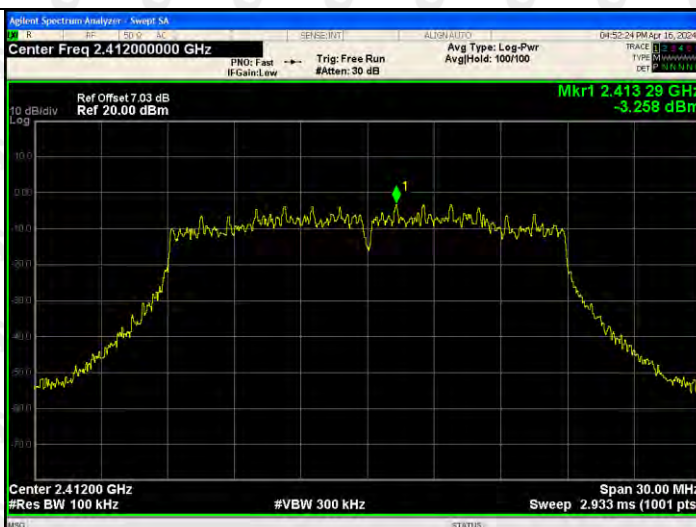
802.11b /MCH



802.11b/HCH



802.11g/LCH



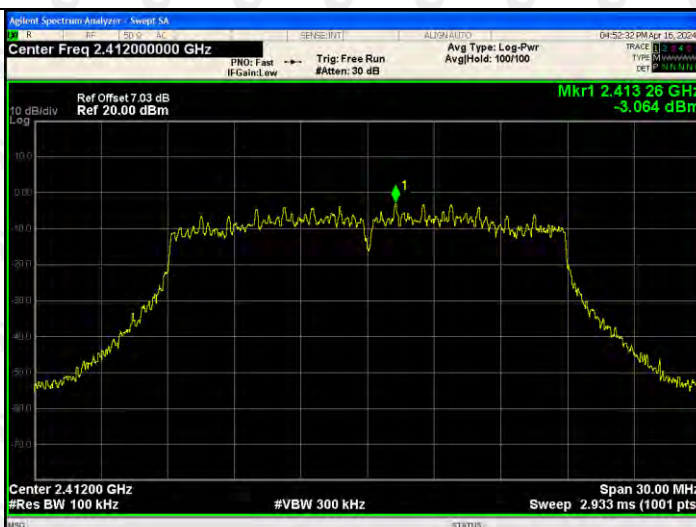
802.11g/MCH



802.11g/HCH



802.11n(HT20)/LCH



802.11n(HT20)/MCH



802.11n(HT20)/HCH



802.11n(HT40)/LCH



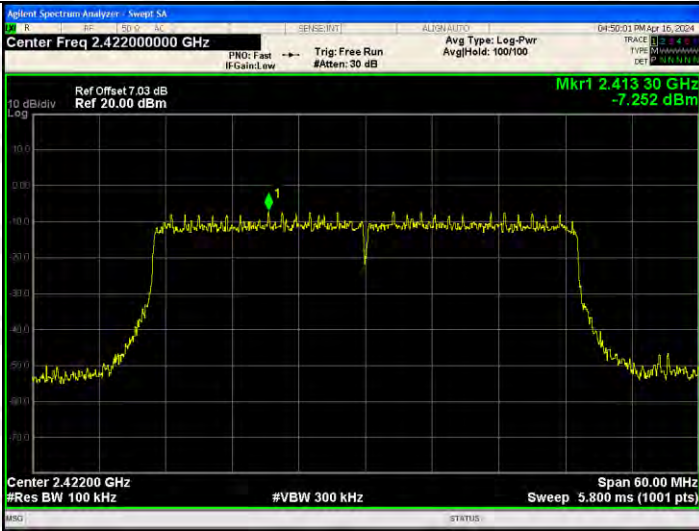
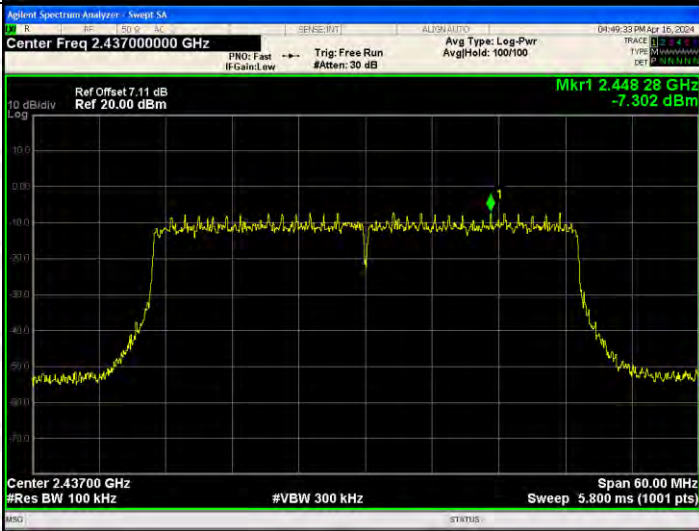
802.11n(HT40)/MCH



802.11n(HT40)/HCH



802.11ax(HT20)/LC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.41200000 GHz Ref Offset 7.03 dB Ref 20.00 dBm Mkr1 2.41326 GHz -3.138 dBm Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)
802.11ax(HT20)/MC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz Ref Offset 7.11 dB Ref 20.00 dBm Mkr1 2.43826 GHz -2.918 dBm Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)
802.11ax(HT20)/HC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.46200000 GHz Ref Offset 7.21 dB Ref 20.00 dBm Mkr1 2.46329 GHz -2.562 dBm Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)

802.11ax(HT40)/LC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.42200000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.800 ms (1001 pts) Mkr1 2.41330 GHz -7.252 dBm
802.11ax(HT40)/MC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.800 ms (1001 pts) Mkr1 2.44828 GHz -7.302 dBm
802.11ax(HT40)/HC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.45200000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.800 ms (1001 pts) Mkr1 2.43448 GHz -5.416 dBm

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.

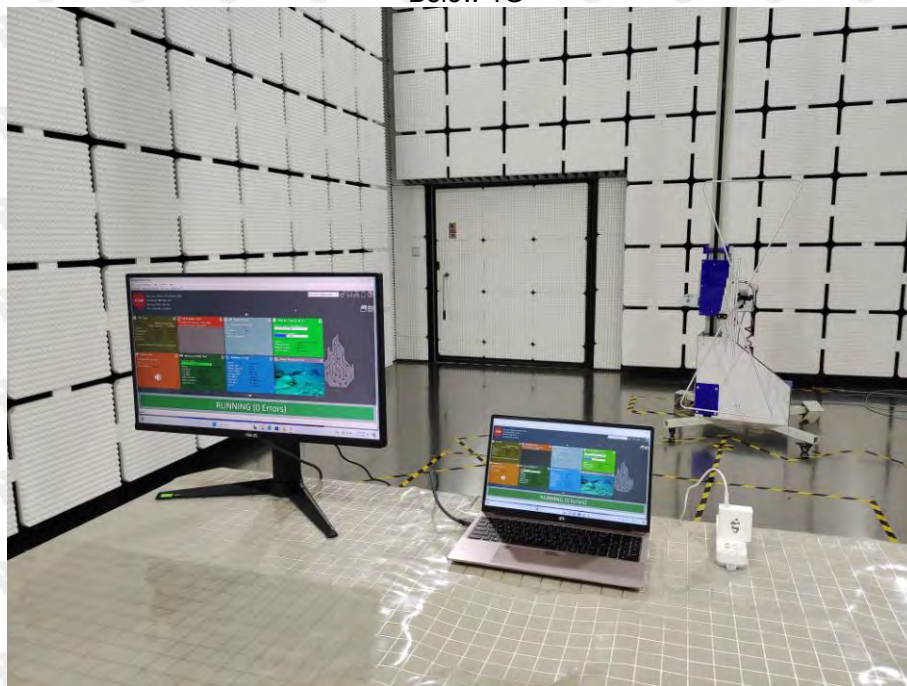
EUT Antenna:

The antenna is FPC antenna and no consideration of replacement. The best case gain of the antenna is WiFi (2.4G): ANT1: 4.17dBi, ANT2: 3.33dBi

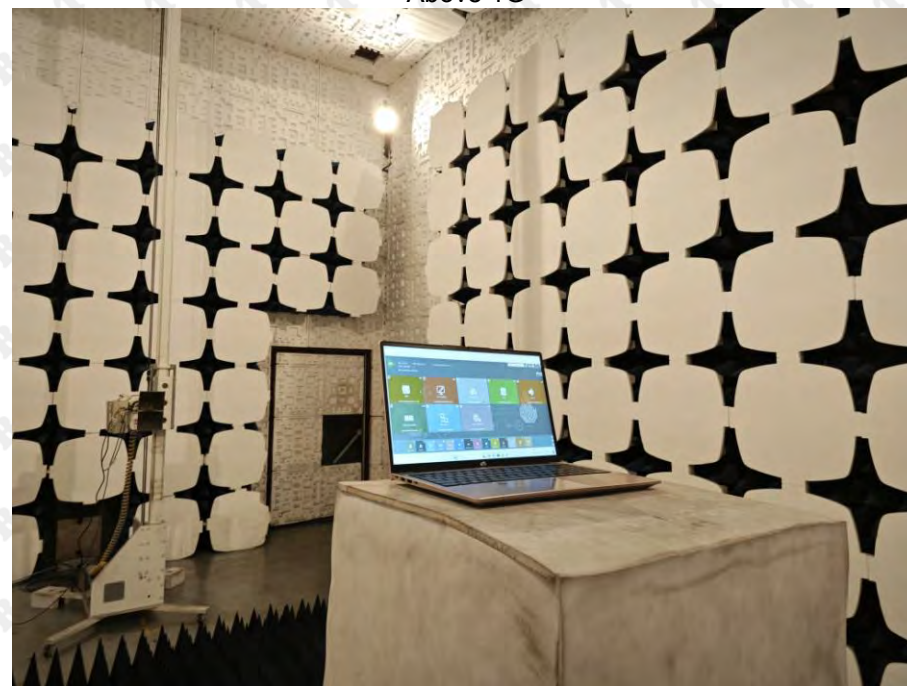
13. EUT TEST SETUP PHOTOGRAPHS

Radiated Emission

Below 1G



Above 1G



Conducted Emission



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