Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5745
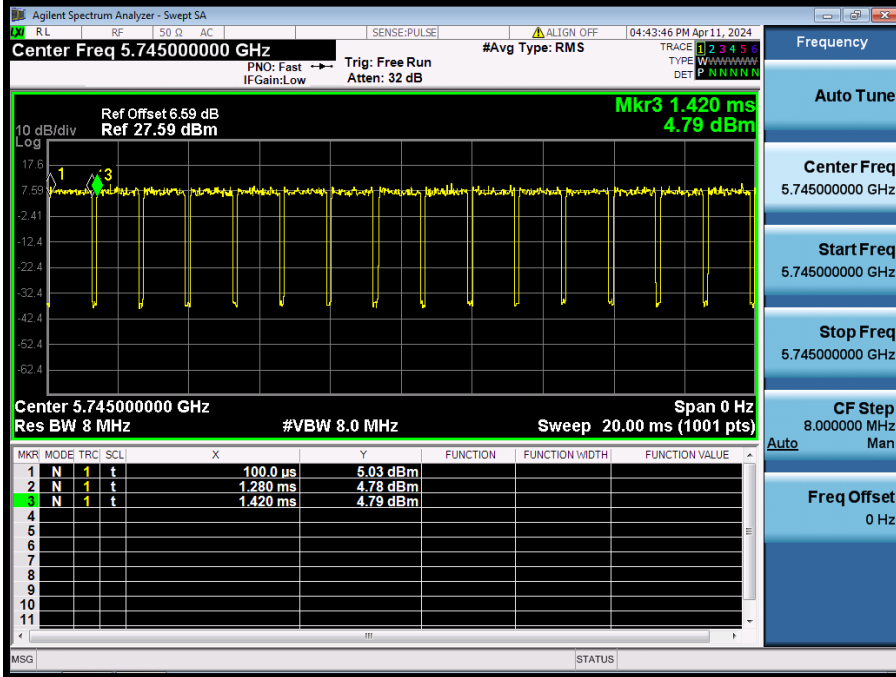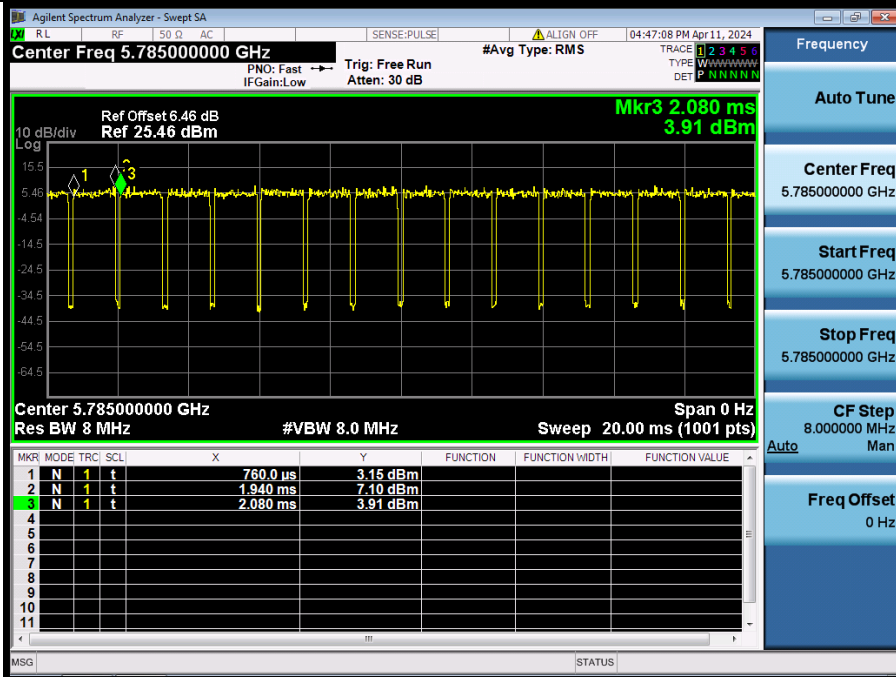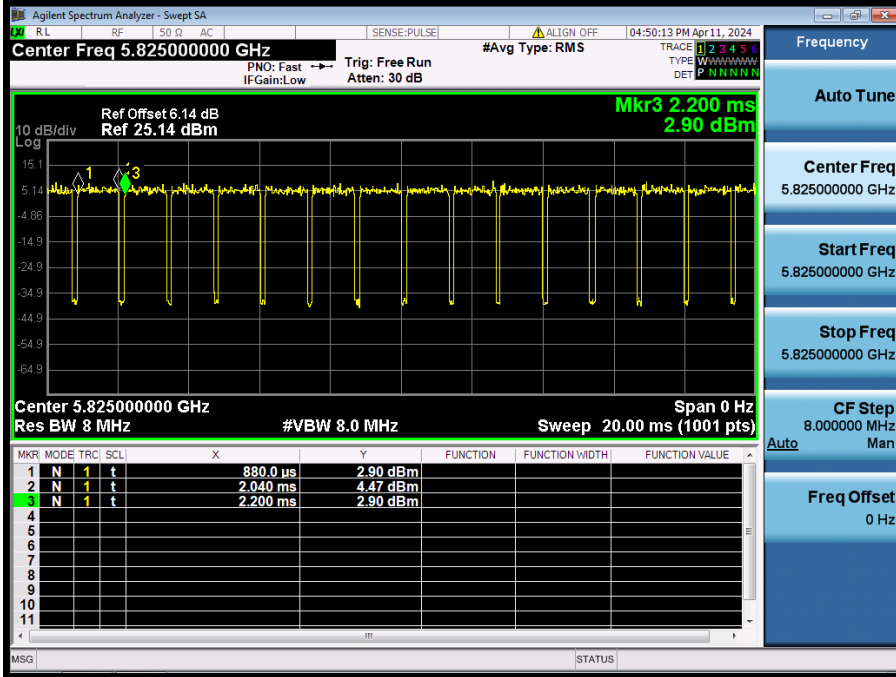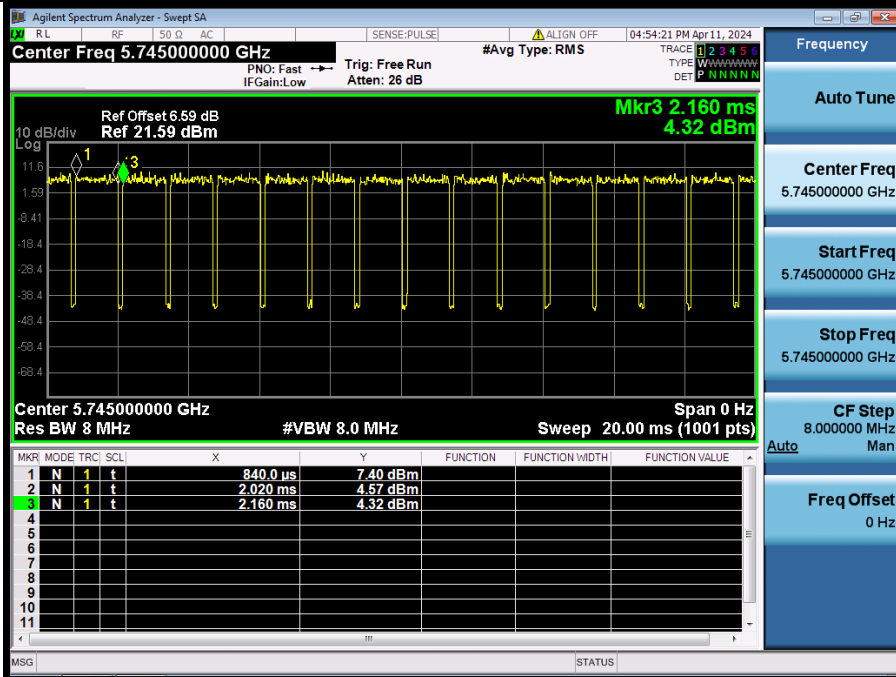

Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5785

Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5825

Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5745

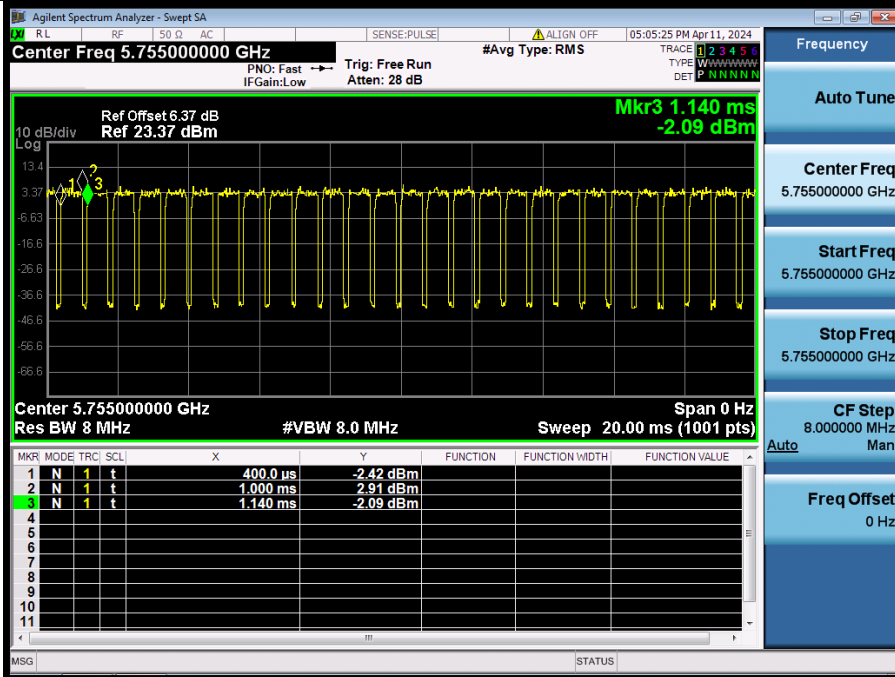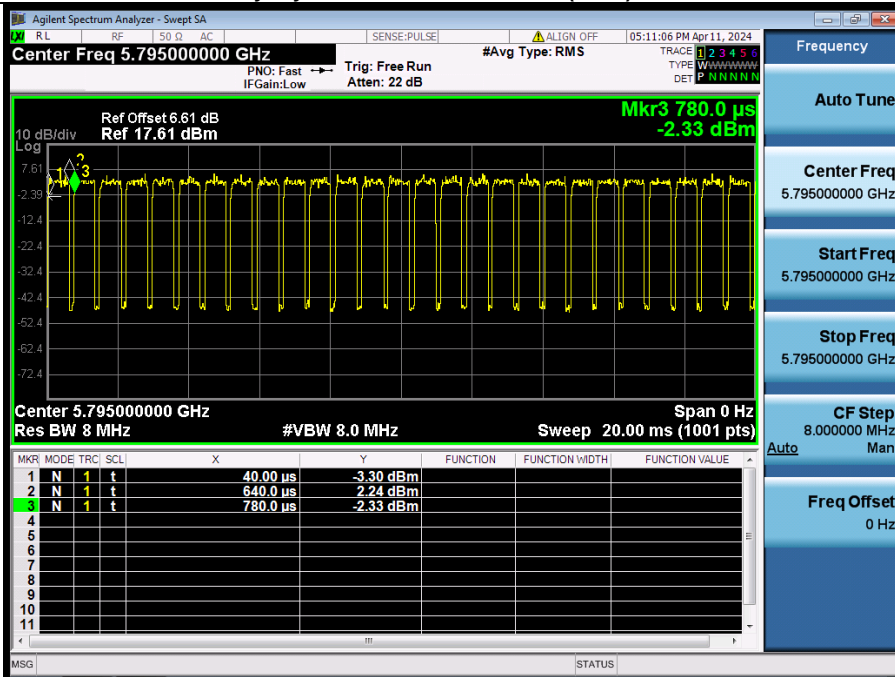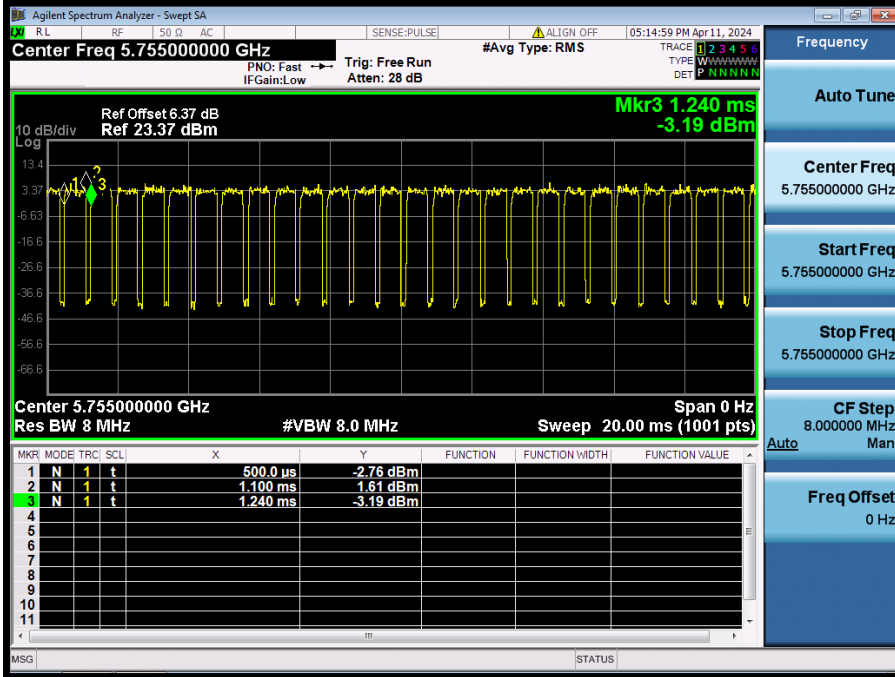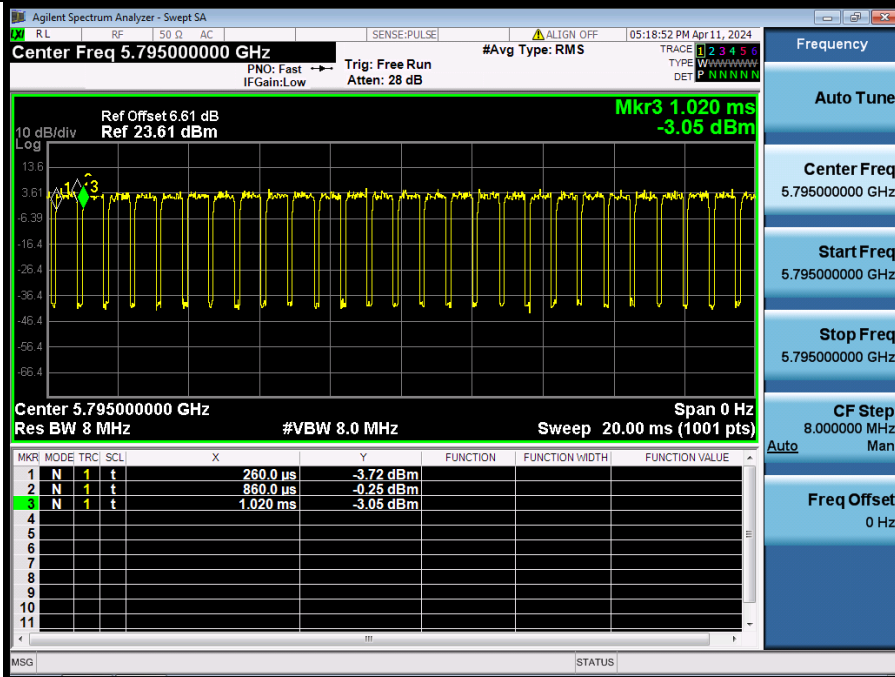**Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5785**
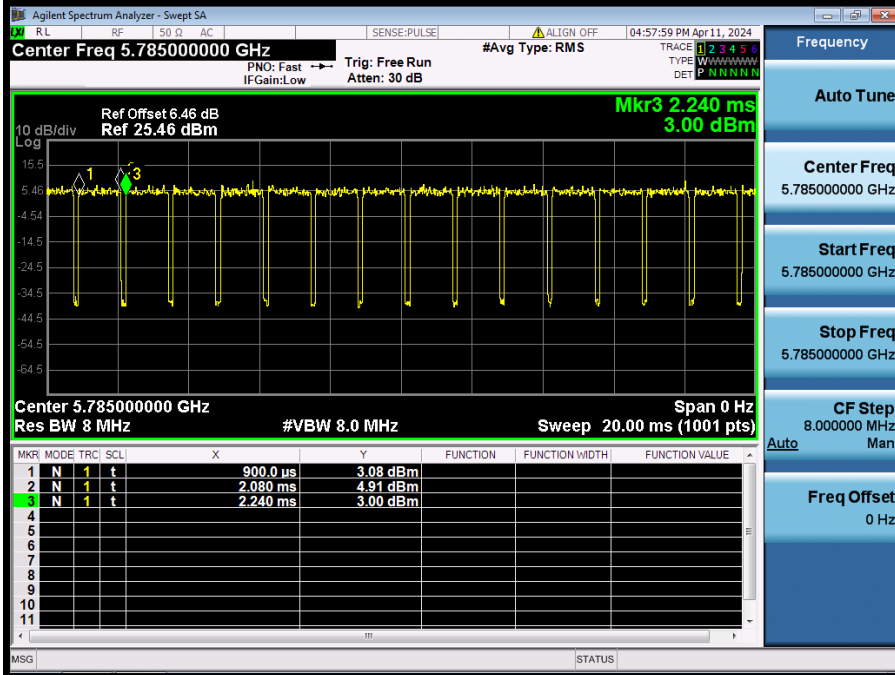
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5825
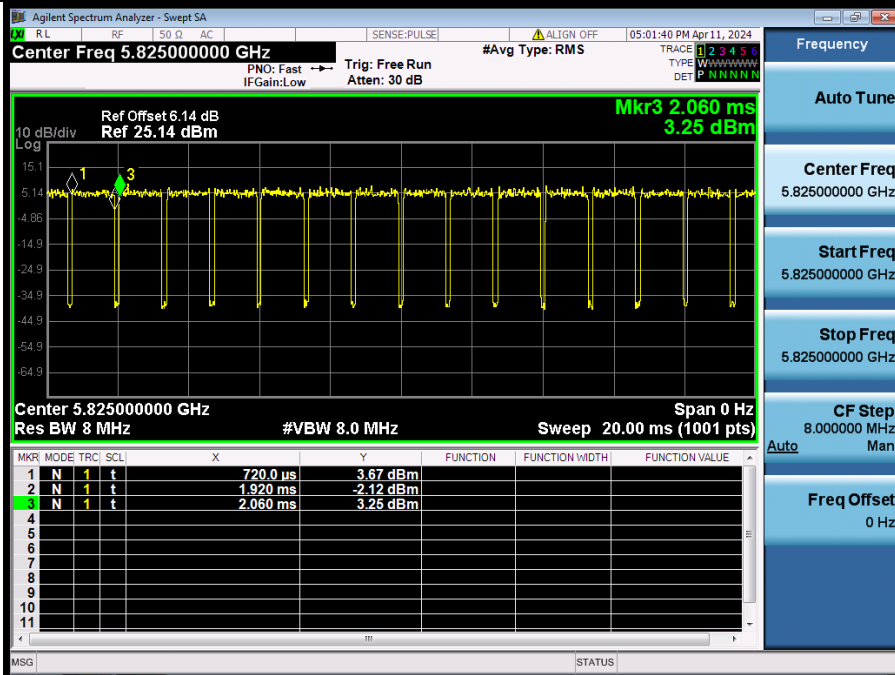
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5755

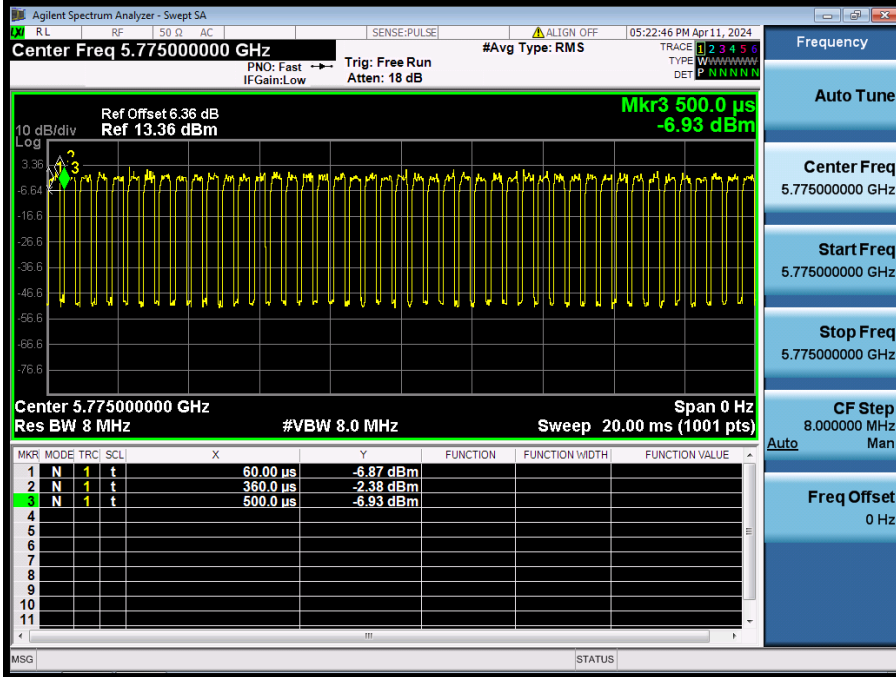**Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5795**

Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5755

Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5795

Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5775

NOTE:

For IEEE 802.11a:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz (Duty cycle＜98%).

For IEEE 802.11n(HT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz (Duty cycle＜98%).

For IEEE 802.11n(HT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz (Duty cycle＜98%).

For IEEE 802.11ac(VHT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz (Duty cycle＜98%).

For IEEE 802.11ac(VHT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz (Duty cycle＜98%).

For IEEE 802.11ac(VHT80):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz (UNII-2C, UNII-3, Duty cycle＜98%, UNII-1, UNII-2A Duty cycle＞98%).

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

EUT

2.5 SUPPORT UNITS

Support Equipment				
No.	Equipment	Brand Name	Model Name	Remarks
1	/	/	/	/

3.AC POWER LINE CONDUCTED EMISSIONS

3.1LIMIT

Frequency (MHz)	Limit (dBµV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:
(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

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

The following table is the setting of the receiver:

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.3DEVIATIONFROMTESTSTANDARD

No deviation

3.4 TEST SETUP
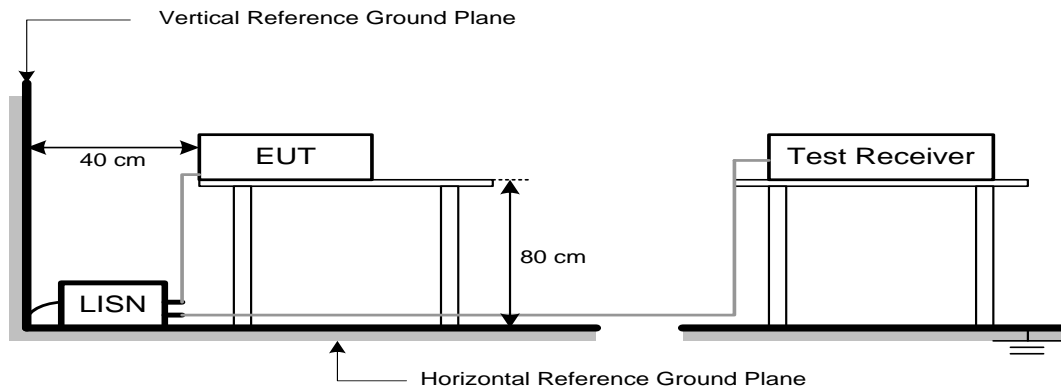
The LISN edge is arranged parallel to the edge of the test table
The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT

3.5 EUT OPERATION CONDITIONS

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

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS (Above 1000 MHz)

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBµV/m)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850 NOTE (2)	-27	68.2
	10	105.2
	15.6	110.8
	27	122.2

NOTE:
(1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}\text{µV/m, where P is the eirp (Watts)}$$

(2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz ormore above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or belowthe band edge, and from 25 MHz above or below the band edge increasing linearly to a level of15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below theband edge increasing linearly to a level of 27 dBm/MHz at the band edge.

4.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)

h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)

i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

| Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic or 40 GHz, whichever is lower
RBW / VBW	1MHz / 3MHz for PK value
(Emission in restricted band)	1MHz / 1/THz for AVG value

| Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector
Start ~ Stop Frequency	1 GHz~40GHz for PK/AVG detector

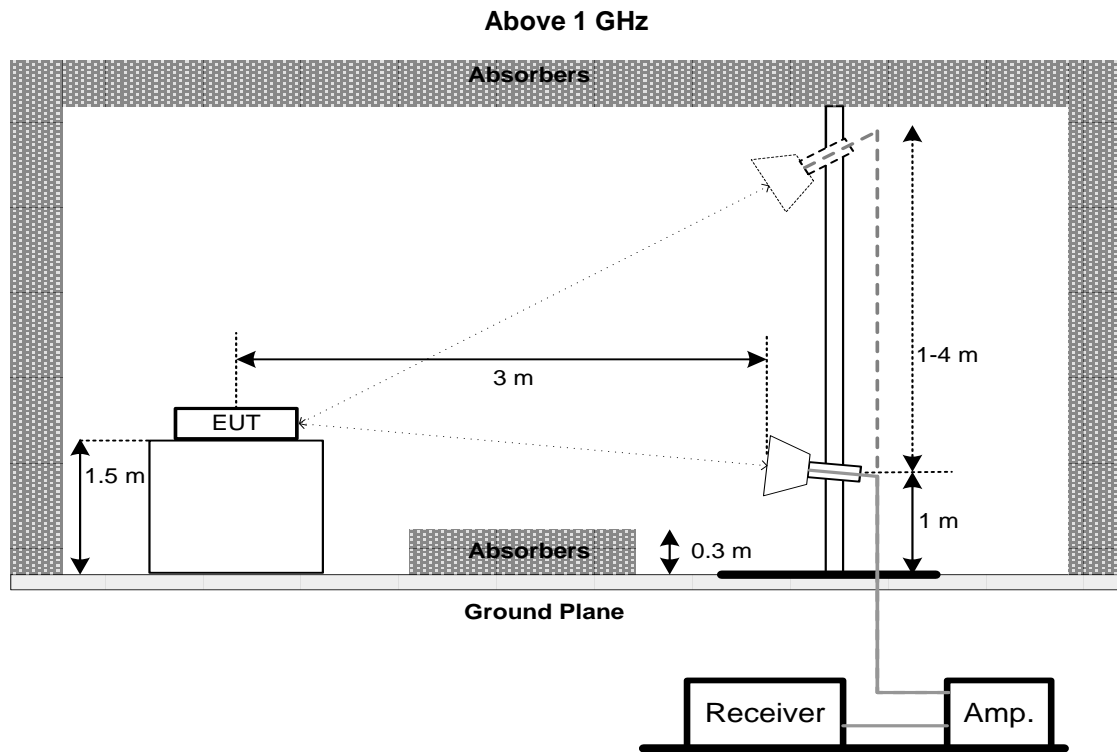## 4.3DEVIATIONFROMTESTSTANDARD

No deviation.

4.4TESTSETUP

9 kHz to 30 MHz
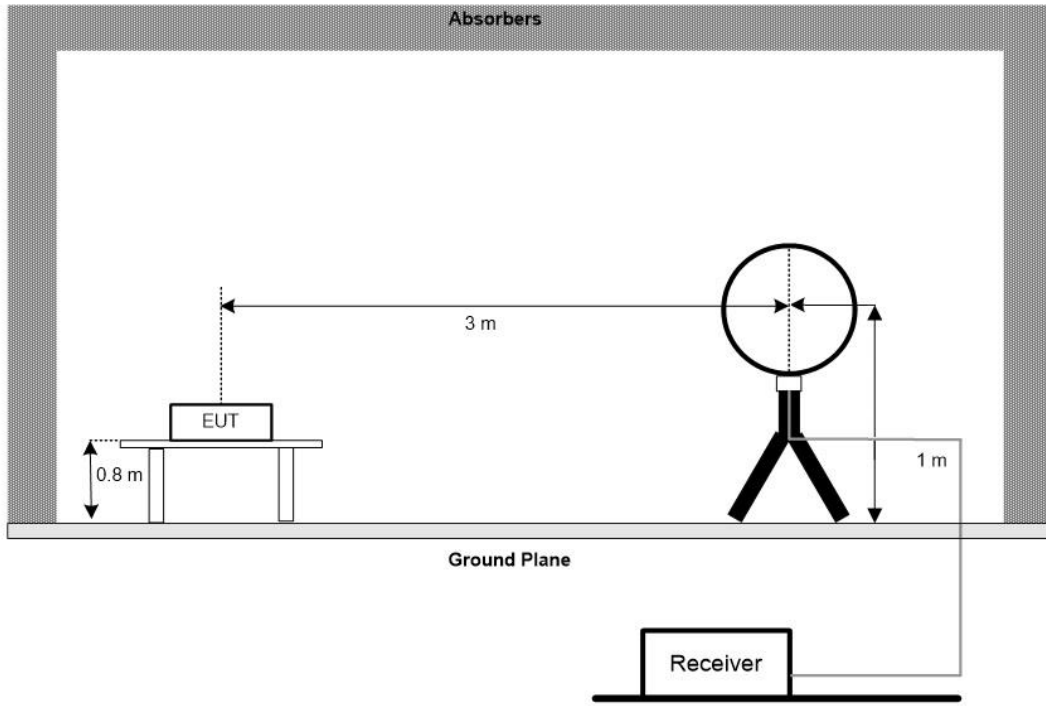
30 MHz to 1 GHz

Above 1 GHz
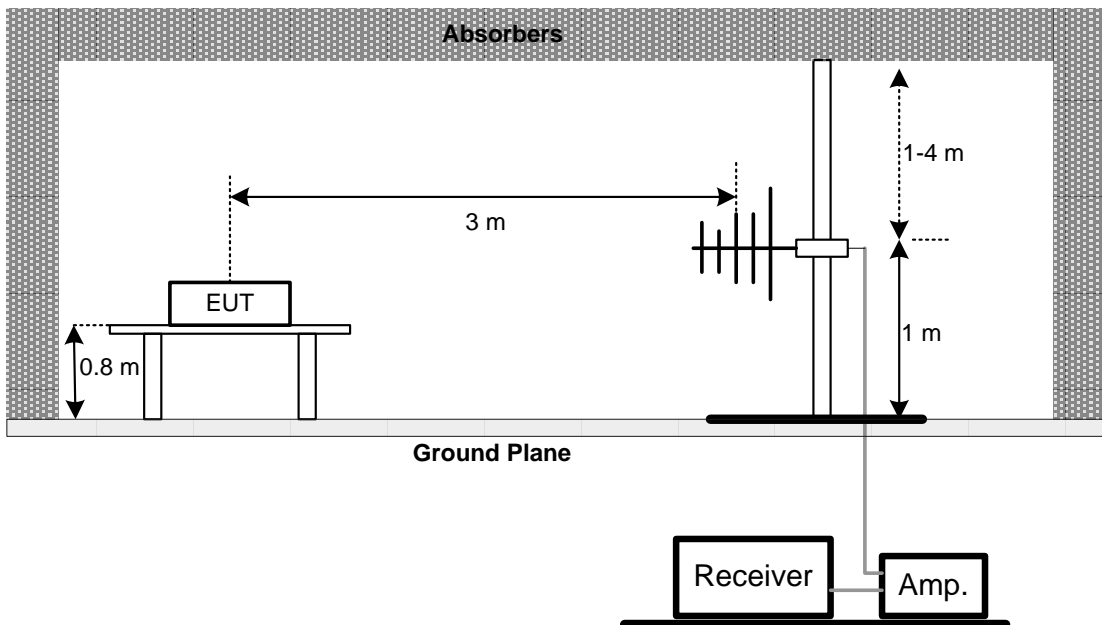
4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS - 9 KHZ TO 30MHZ

Please refer to the APPENDIX B.

Remark:
(1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:
(1) No limit:This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5.BANDWIDTH

5.1LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a) FCC 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6dB Bandwidth	Minimum 500 kHz	5725-5850

5.2TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below

b. Spectrum Setting:
For UNII-1, UNII-2C, UNII-2C

Spectrum Parameter	Setting
Span Frequency	> 26dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Span Frequency	> 6dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Occupied Bandwidth:

Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	≥3*RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26dB / 6dB below carrier.

5.3DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP
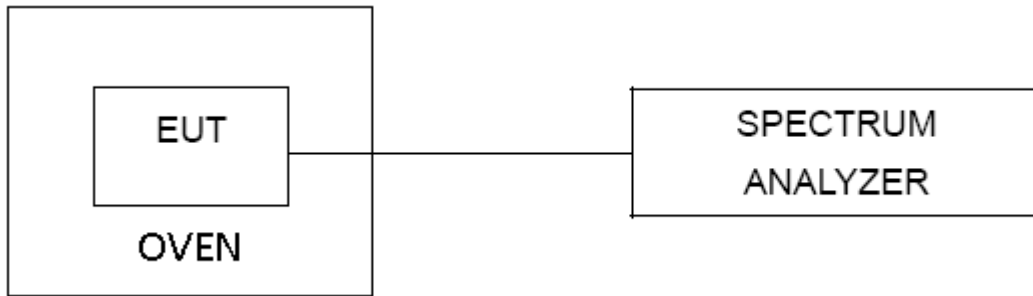
5.5 EUT OPERATION CONDITIONS

 The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6.MAXIMUM OUTPUT POWER

6.1LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	MaximumOutput Power	AP device:1 Watt (30dBm) Client device: 250mW (23.98dBm)	5150-5250
		250mW (23.98dBm)	5250-5350
		250mW (23.98dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

a. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.
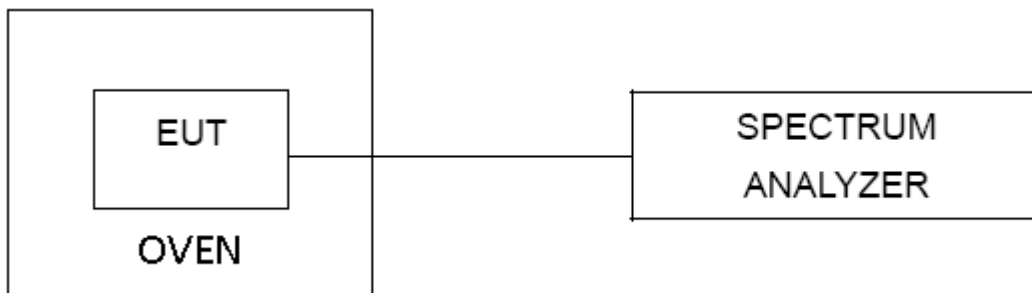
6.2TEST PROCEDURE

a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.

b. The test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

6.3DEVIATION FROM STANDARD

No deviation.

6.4TEST SETUP

6.5EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7.POWER SPECTRAL DENSITY

7.1LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Power Spectral Density	AP device:17dBm/MHz Client device:11dBm/MHz	5150-5250
		11dBm/MHz	5250-5350
		11dBm/MHz	5470-5725
		30dBm/500kHz	5725-5850

7.2TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting:

For UNII-1

| Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1MHz.
VBW	3MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1MHz.
VBW	3MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500kHz RBW. Then, add 10 log (500 kHz/100 kHz) to the measured result, i.e. 7 dB.

2. During the test of UNII 3 PSD, the measurement result with RBW=100kHz has been added 7 dB by compensating offset. For example, the cable loss is 13 dB, and the final offset is 13 + 7 = 20 dB when RBW=100kHz is used.

7.3DEVIATION FROM STANDARD

No deviation.

7.4TEST SETUP
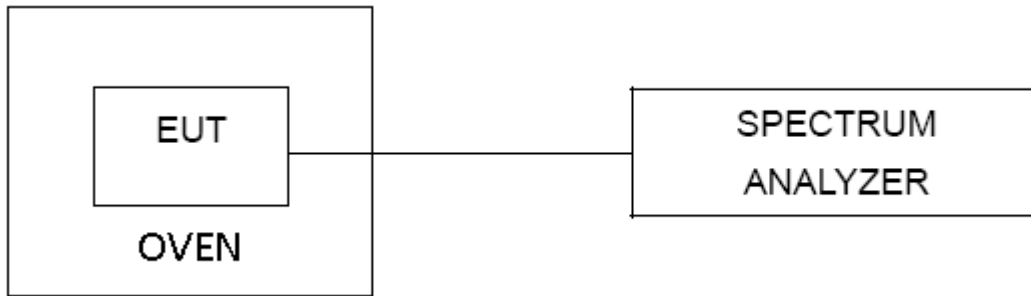
7.5EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIXG.

8.FREQUENCY STABILITY

8.1LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.	5150-5250
			5250-5350
			5470-5725
			5725-5850

8.2TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissionsbandwidth
RBW	10 kHz
VBW	10kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
d. User manual temperature is-30°C~75°C.

8.3DEVIATION FROM STANDARD

No deviation.

8.4TEST SETUP
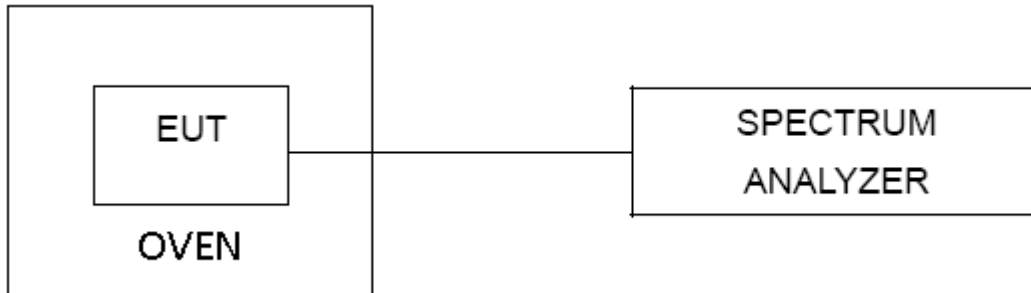
8.5EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

N/A.

9. MEASUREMENT INSTRUMENTS LIST

Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI Receiver	Rohde&Schwarz	ESIB 40	YH-TIRT-SAC-966-20220911	2024/01/05	2025/01/04
Integral Antenna	Schwarzbeck	VULB 9163	01314	2022.12.11	2024.12.10
Integral Antenna	Rohde&Schwarz	HF907	RSM2991424	2022.12.11	2024.12.10
Preamplifier	Emtrace	RP01A	'02017	2024/01/05	2025/01/04
Preamplifier	Schwarzbeck	BBV9744	00143	2024/01/05	2025/01/04
Loop Antenna	ZHINAN	ZN30900A	12024	2024/01/05	2025/01/04
Horn Antenna	Schwarzbeck	BBHA9170	00956	2024/01/05	2025/01/04
RF Cable	/	LMR400UF-NMNM-7.0M	/	2024/01/05	2025/01/04
RF Cable	/	SFT2050PUR-NMNM-7.0M	/	2024/01/05	2025/01/04
EMI Receiver	Rohde&Schwarz	ESR7	1316.3003K07-102611-mk	2023/11/02	2024/11/01
LISN	Rohde&Schwarz	ENV216	3560.655.12-102915-Bp	2023/11/02	2024/11/01
RF Cable	\	SFT2050PUR-NMNM-2.0M	\	2024/01/05	2025/01/04
Spectrum analyzer	ROHDE&SCHWARZ	FSU26	200732	2024/01/05	2025/01/04
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	101722	2024/01/05	2025/01/04
Filter	HEWLETT PACKARD	JS0806-F	19K8060209	2024/01/05	2025/01/04

10.EUT TEST PHOTOS

AC Power Line Conducted Emissions Test Photos
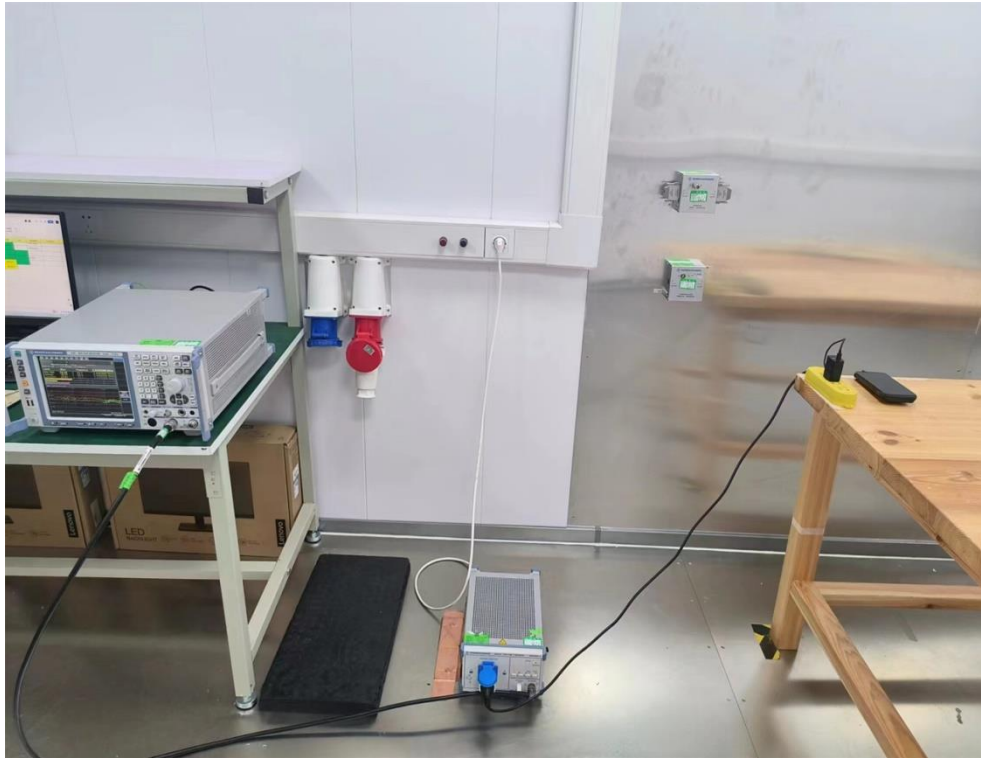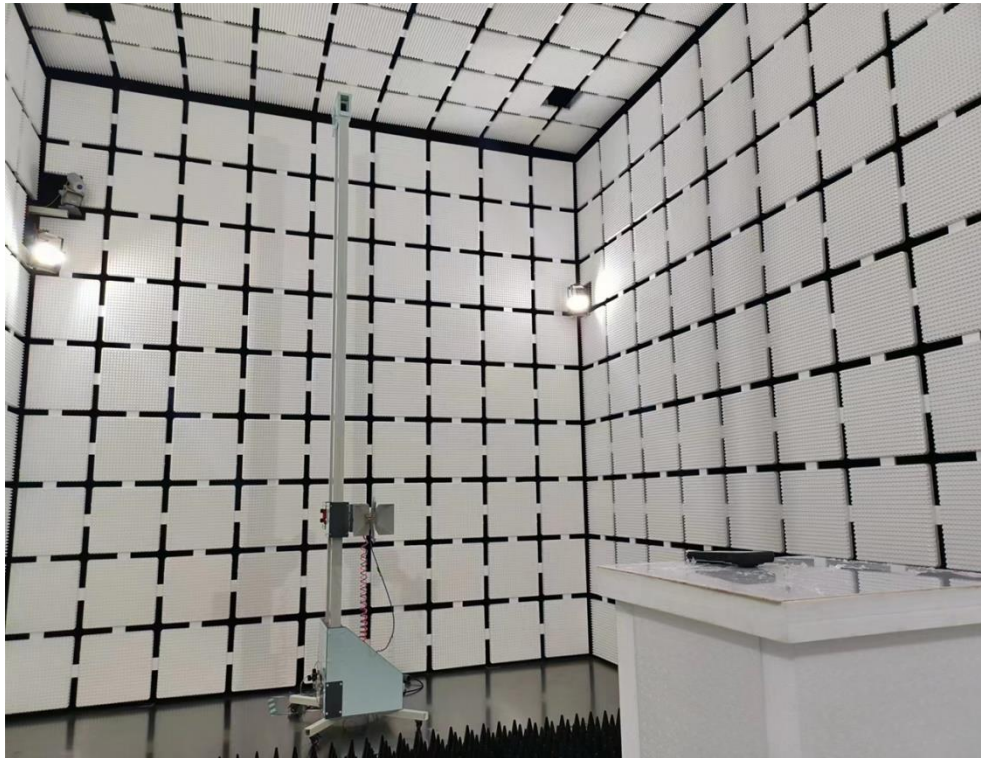

Conducted RF Test Photos

Radiated Emissions Test Photos

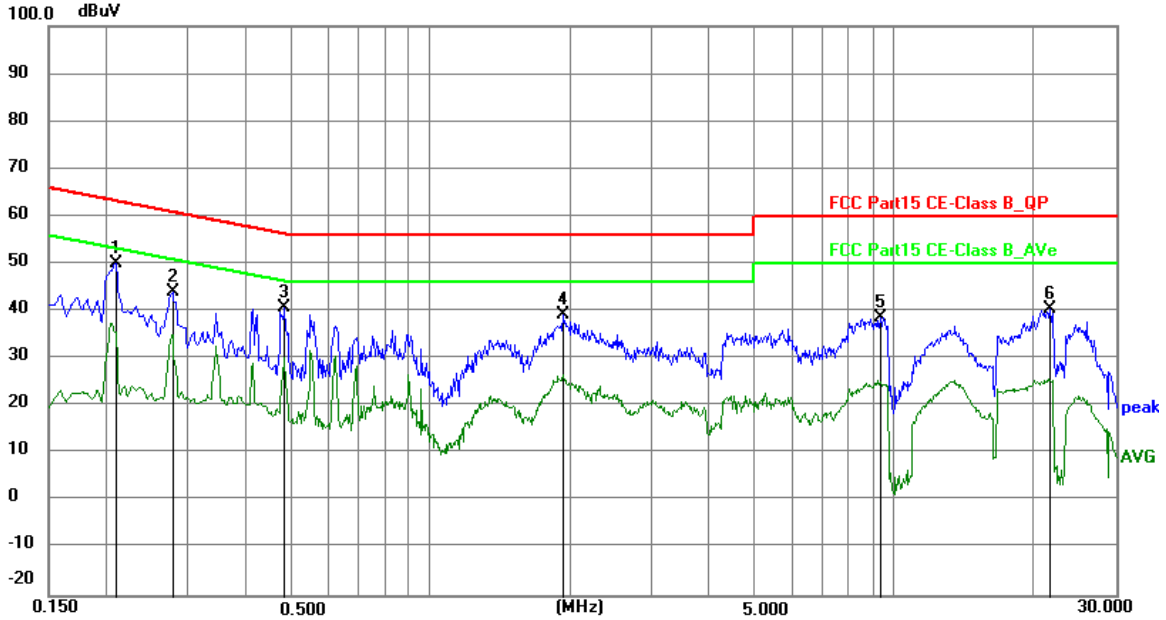**30 MHz to 1 GHz**

Radiated Emissions Test Photos

Above 1 GHz

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX AC(VHT80) Mode Channel 155 (UNII-3)	Phase	Line

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.2084	40.39	9.63	50.02	63.27	-13.25	peak	P	
2	0.2760	34.31	9.63	43.94	60.94	-17.00	peak	P	
3	0.4830	31.15	9.62	40.77	56.29	-15.52	peak	P	
4	1.9365	29.56	9.65	39.21	56.00	-16.79	peak	P	
5	9.3480	29.05	9.72	38.77	60.00	-21.23	peak	P	
6	21.6104	30.65	9.77	40.42	60.00	-19.58	peak	P	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) The test result has included the cable loss.

| Test Mode	TX AC(VHT80) Mode Channel 155 (UNII-3)	Phase	Neutral
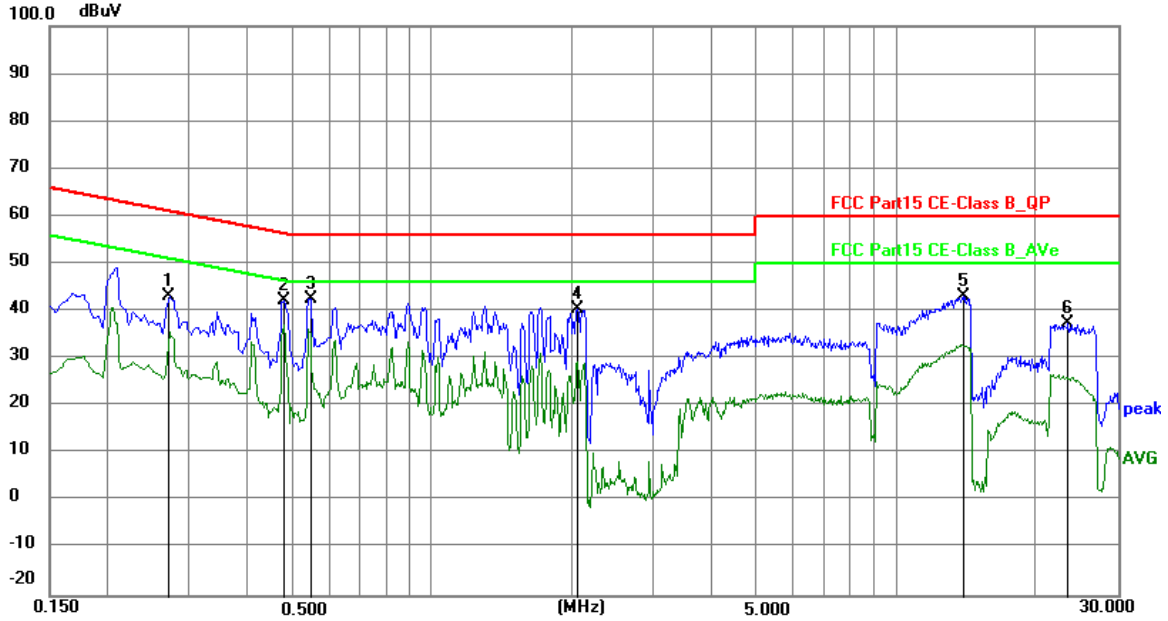
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2714	33.52	9.62	43.14	61.07	-17.93	peak	P	
2	0.4784	32.51	9.62	42.13	56.37	-14.24	peak	P	
3 *	0.5460	33.04	9.62	42.66	56.00	-13.34	peak	P	
4	2.0625	30.84	9.65	40.49	56.00	-15.51	peak	P	
5	13.9740	33.32	9.76	43.08	60.00	-16.92	peak	P	
6	23.5094	27.68	9.83	37.51	60.00	-22.49	peak	P	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) The test result has included the cable loss.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX AC(VHT80) Mode Channel 155 (UNII-3)	Polarization	Vertical
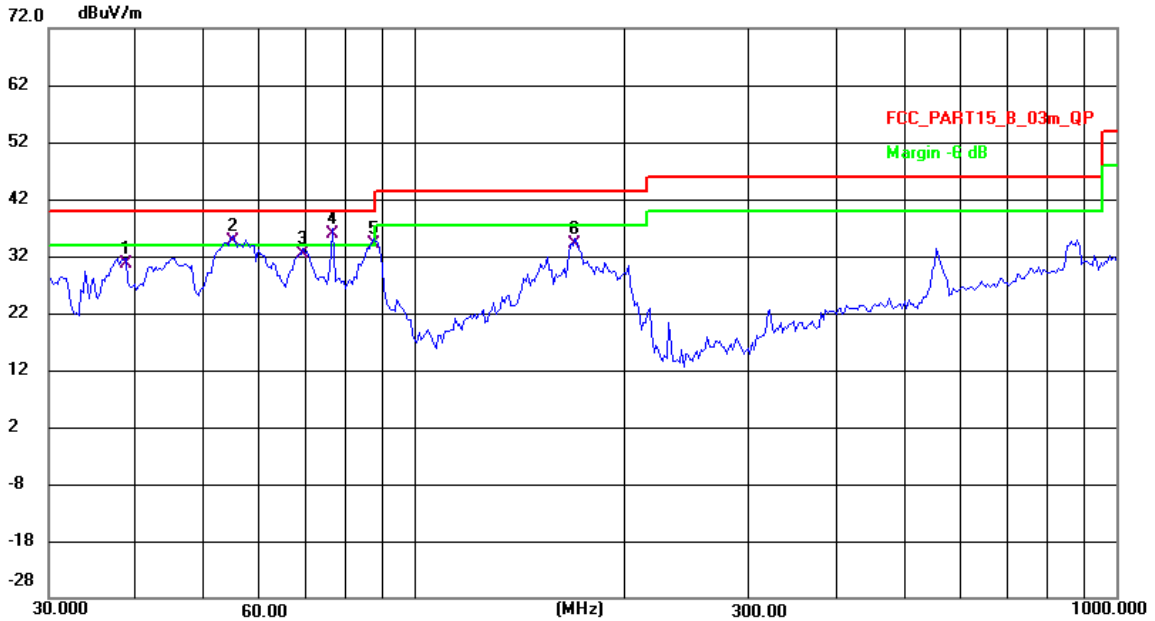
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	38.6357	53.05	-22.31	30.74	40.00	-9.26	QP	100	327	P	
2 !	54.9011	57.05	-22.40	34.65	40.00	-5.35	QP	100	298	P	
3	69.2297	56.23	-23.92	32.31	40.00	-7.69	QP	100	348	P	
4 *	76.3869	61.13	-25.21	35.92	40.00	-4.08	QP	100	104	P	
5 !	87.2980	59.97	-25.78	34.19	40.00	-5.81	QP	100	262	P	
6	168.9970	55.14	-20.97	34.17	43.50	-9.33	QP	100	53	P	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

| Test Mode	TX AC(VHT80) Mode Channel 155 (UNII-3)	Polarization	Horizontal
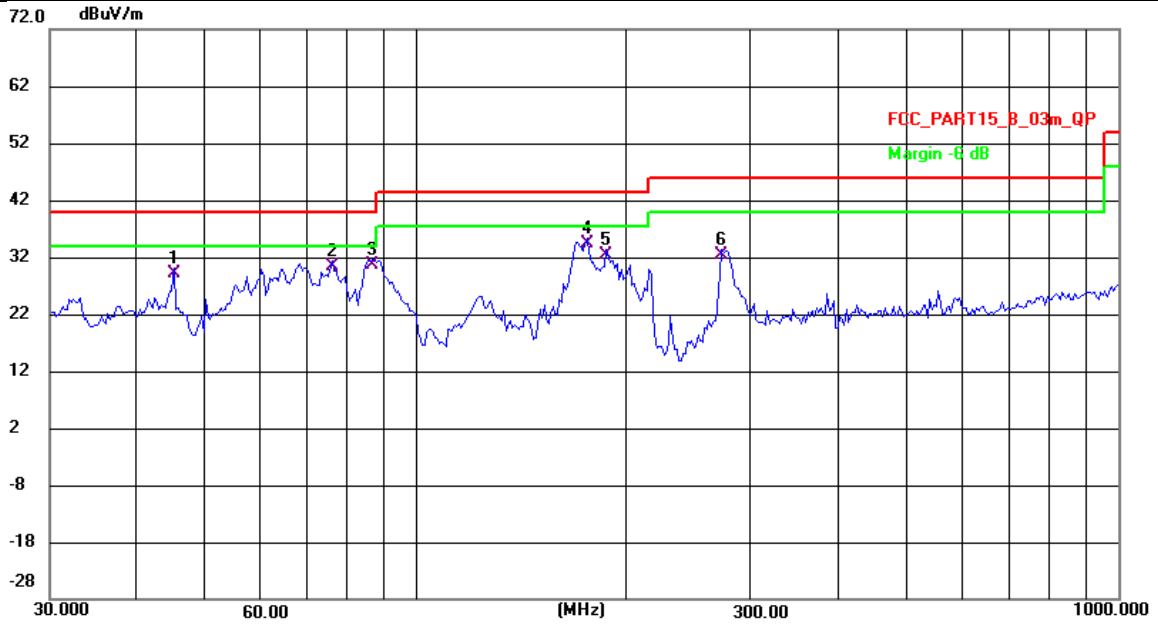
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	45.0951	51.43	-22.22	29.21	40.00	-10.79	QP	200	209	P	
2	75.8520	55.44	-25.11	30.33	40.00	-9.67	QP	200	209	P	
3	86.6867	56.47	-25.79	30.68	40.00	-9.32	QP	200	223	P	
4 *	175.0404	56.10	-21.75	34.35	43.50	-9.15	QP	200	136	P	
5	186.4684	55.85	-23.43	32.42	43.50	-11.08	QP	100	108	P	
6	272.5246	55.17	-22.76	32.41	46.00	-13.59	QP	100	94	P	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Test Result of Band edges.

UNII-1

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
HVNT	ANT1	802.11a	5180.00	5149.20	-41.87	-27	Pass
HVNT	ANT1	802.11a	5240.00	5389.60	-43.70	-27	Pass
HVNT	ANT1	802.11n(HT20)	5180.00	5147.00	-39.31	-27	Pass
HVNT	ANT1	802.11n(HT20)	5240.00	5405.20	-43.02	-27	Pass
HVNT	ANT1	802.11ac(VHT20)	5180.00	5148.20	-40.34	-27	Pass
HVNT	ANT1	802.11ac(VHT20)	5240.00	5390.80	-43.13	-27	Pass
HVNT	ANT1	802.11n(HT40)	5190.00	5149.73	-36.54	-27	Pass
HVNT	ANT1	802.11n(HT40)	5230.00	5395.64	-43.24	-27	Pass
HVNT	ANT1	802.11ac(VHT40)	5190.00	5149.73	-36.56	-27	Pass
HVNT	ANT1	802.11ac(VHT40)	5230.00	5374.01	-43.51	-27	Pass
HVNT	ANT1	802.11ac(VHT80)	5210.00	5149.94	-32.93	-27	Pass
HVNT	ANT1	802.11ac(VHT80)	5210.00	5370.86	-43.38	-27	Pass

Bandedge_HVNT_ANT1_802_11a_5180
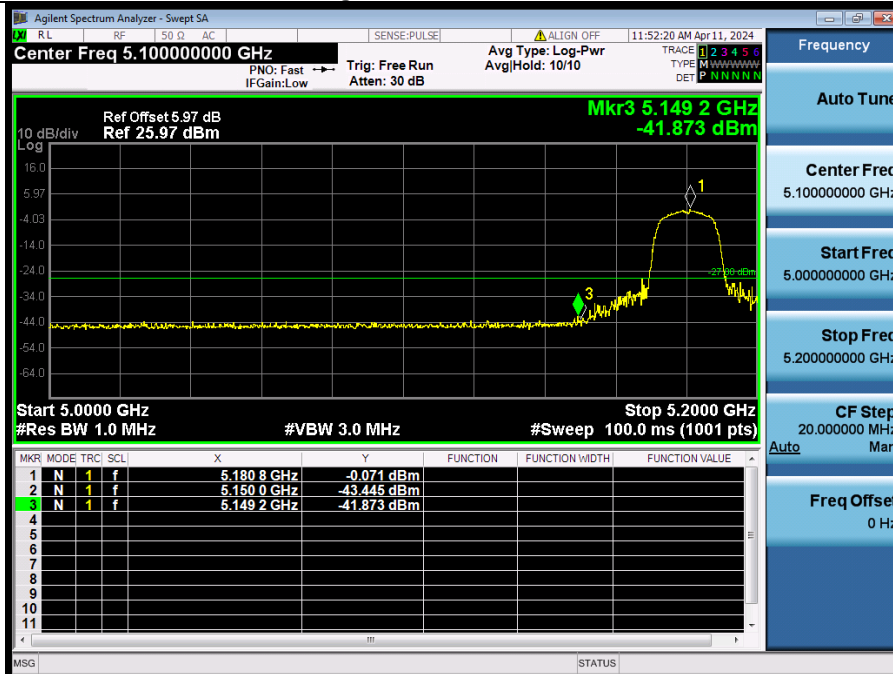
Bandedge_HVNT_ANT1_802_11a_5240
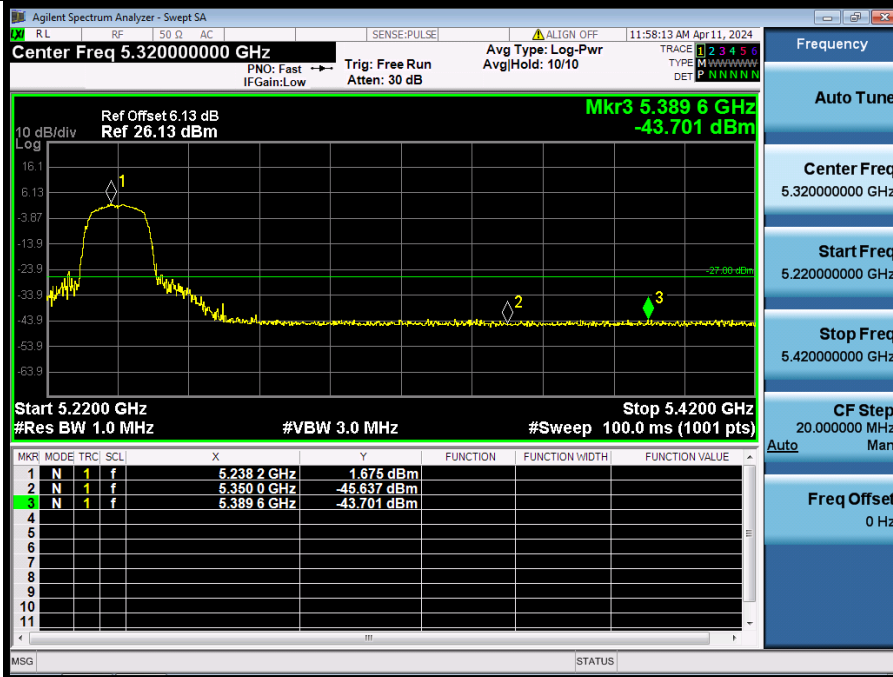
Bandedge_HVNT_ANT1_802_11n(HT20)_5180
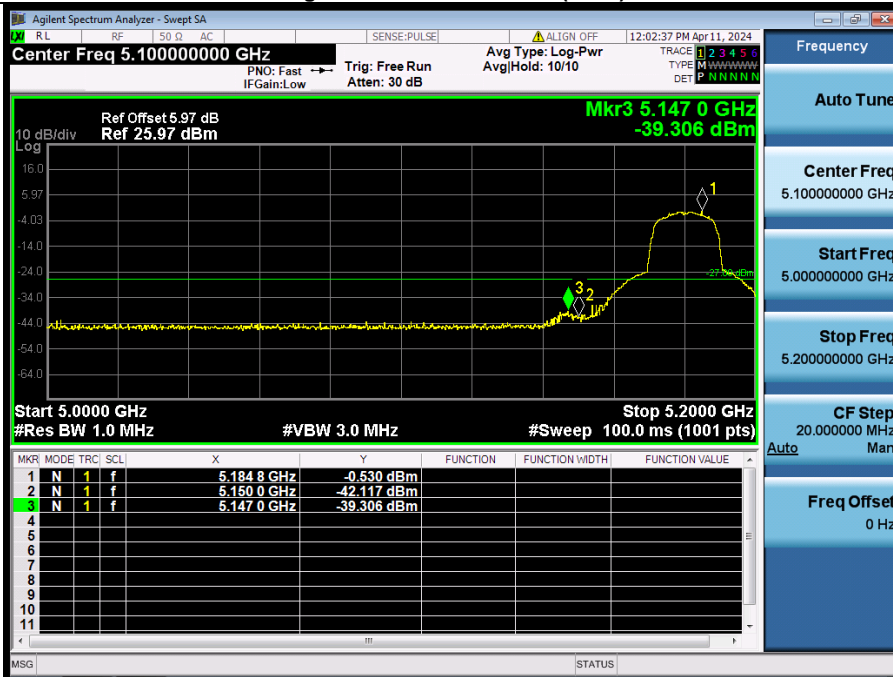
Bandedge_HVNT_ANT1_802_11n(HT20)_5240
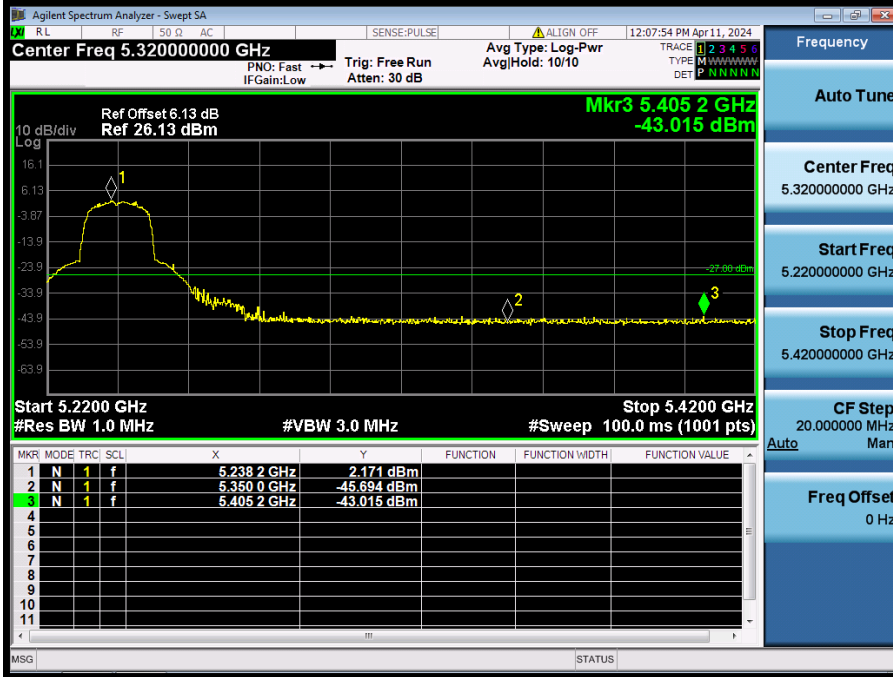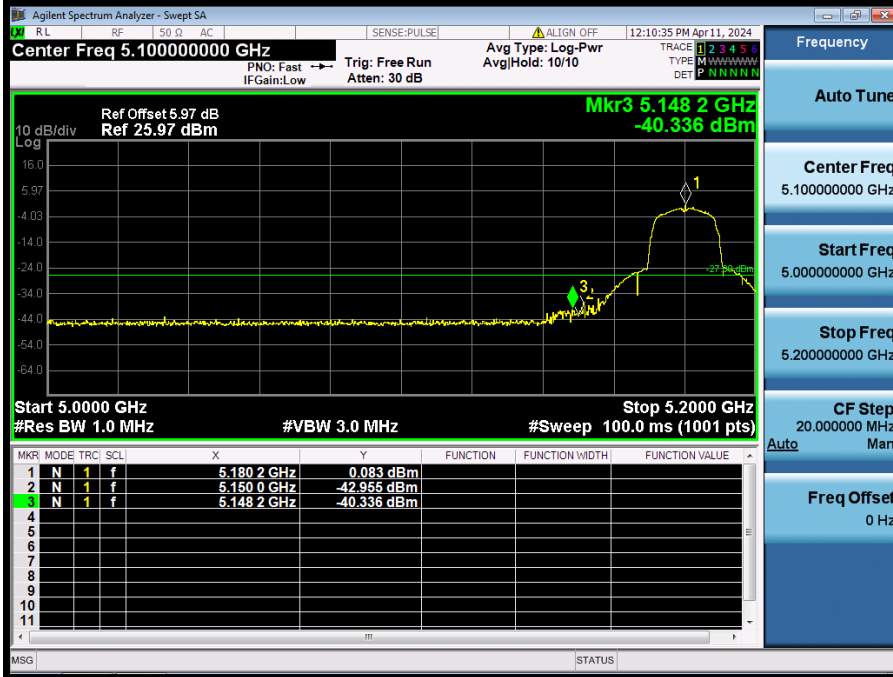
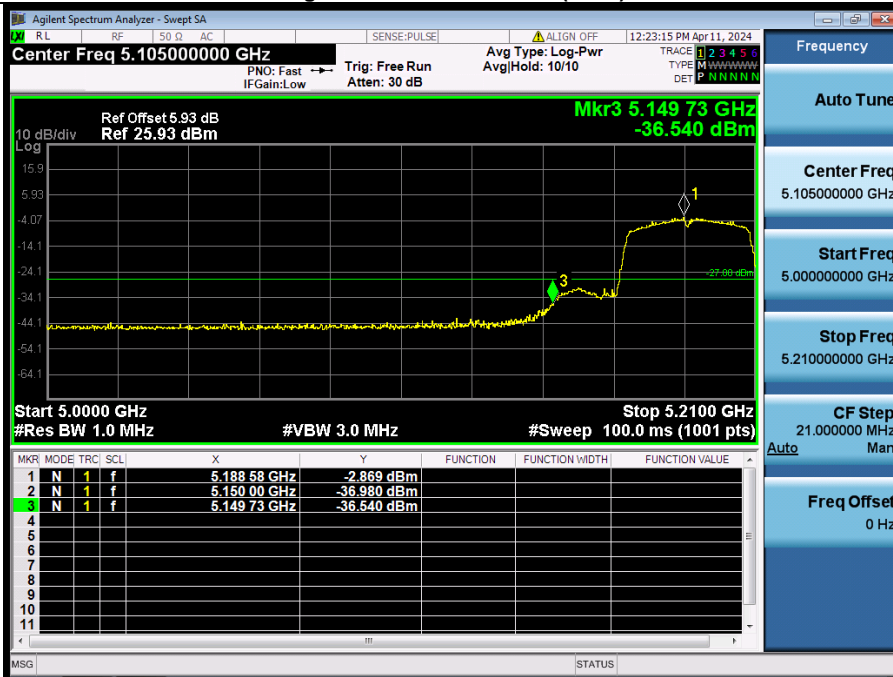| Bandedge_HVNT_ANT1_802_11ac(VHT20)_5180 |
|---|

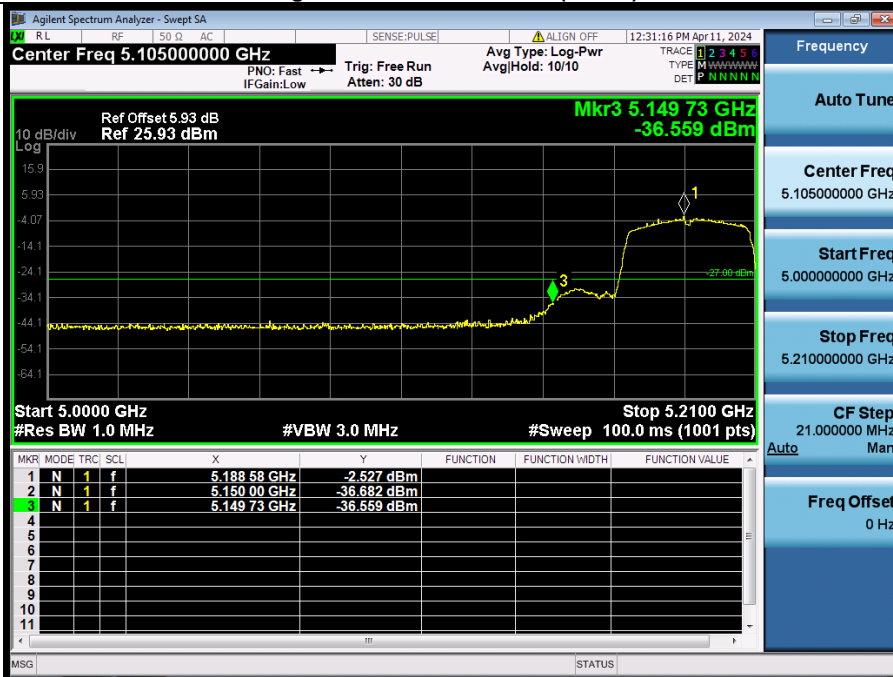| Bandedge_HVNT_ANT1_802_11ac(VHT20)_5240 |
|---|

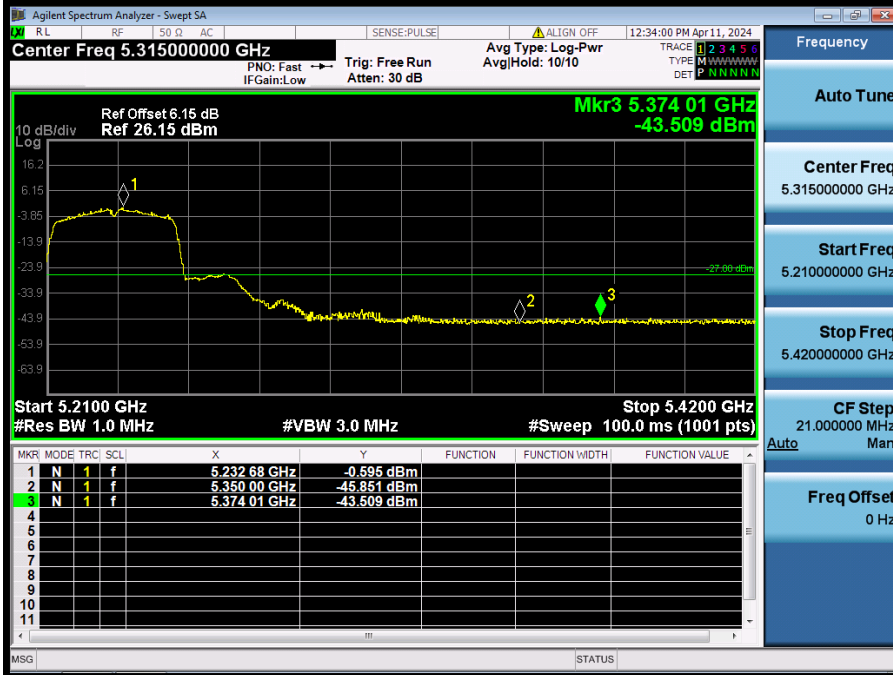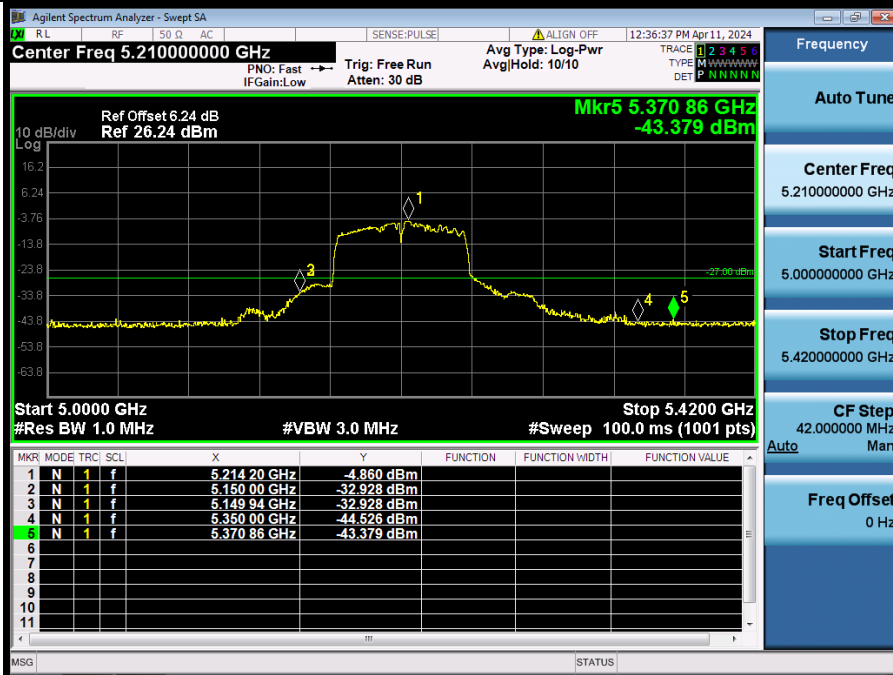| Bandedge_HVNT_ANT1_802_11n(HT40)_5190 |
|---|
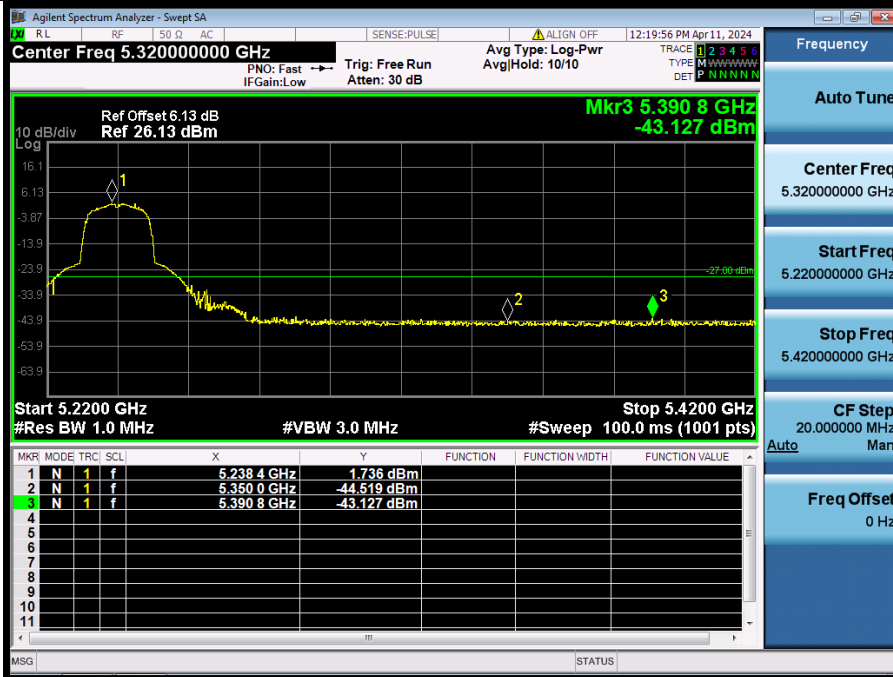
Bandedge_HVNT_ANT1_802_11n(HT40)_5230
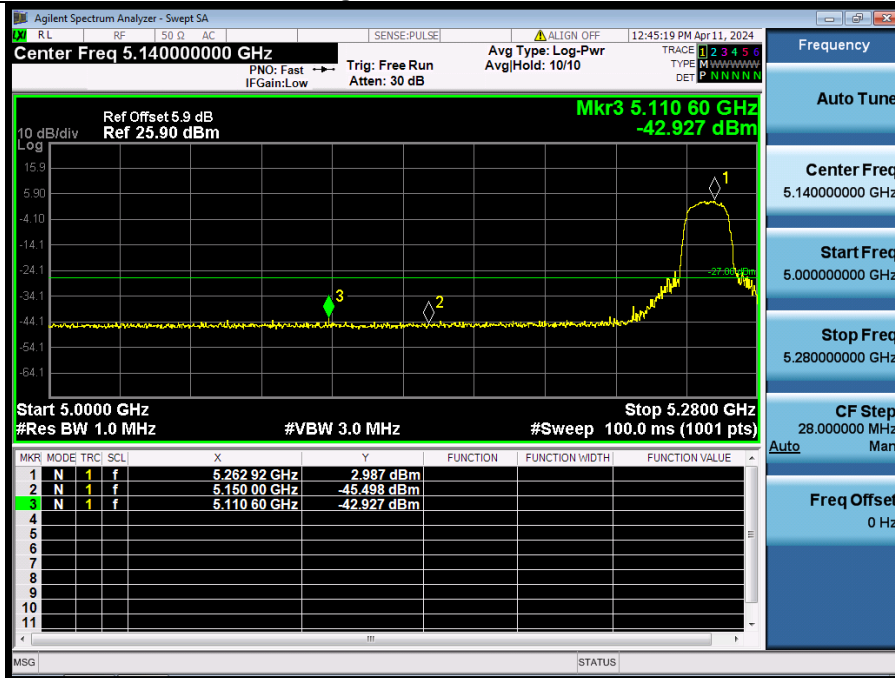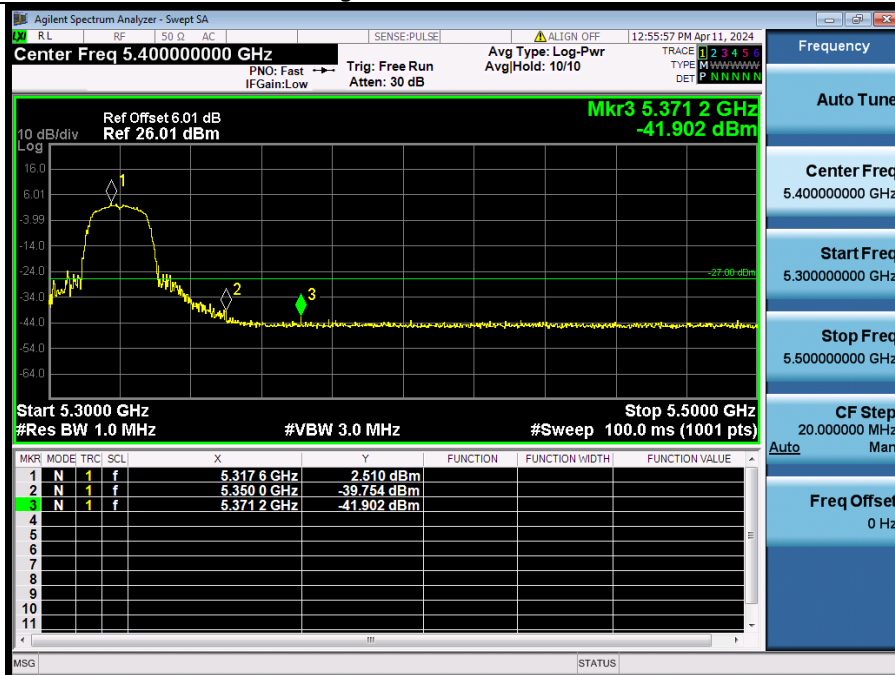

Bandedge_HVNT_ANT1_802_11ac(VHT40)_5190

Bandedge_HVNT_ANT1_802_11ac(VHT40)_5230

Bandedge_HVNT_ANT1_802_11ac(VHT80)_5210

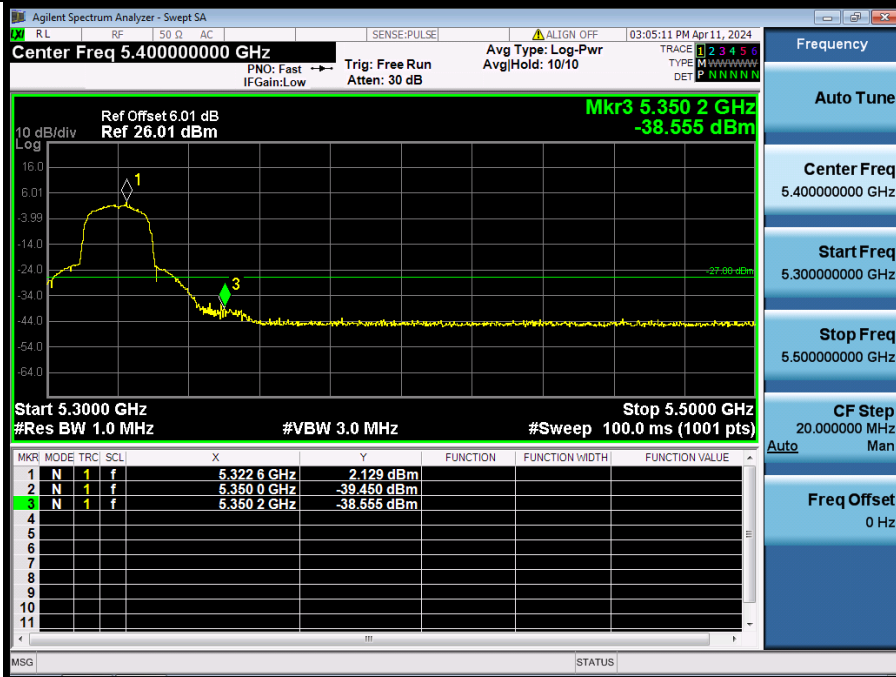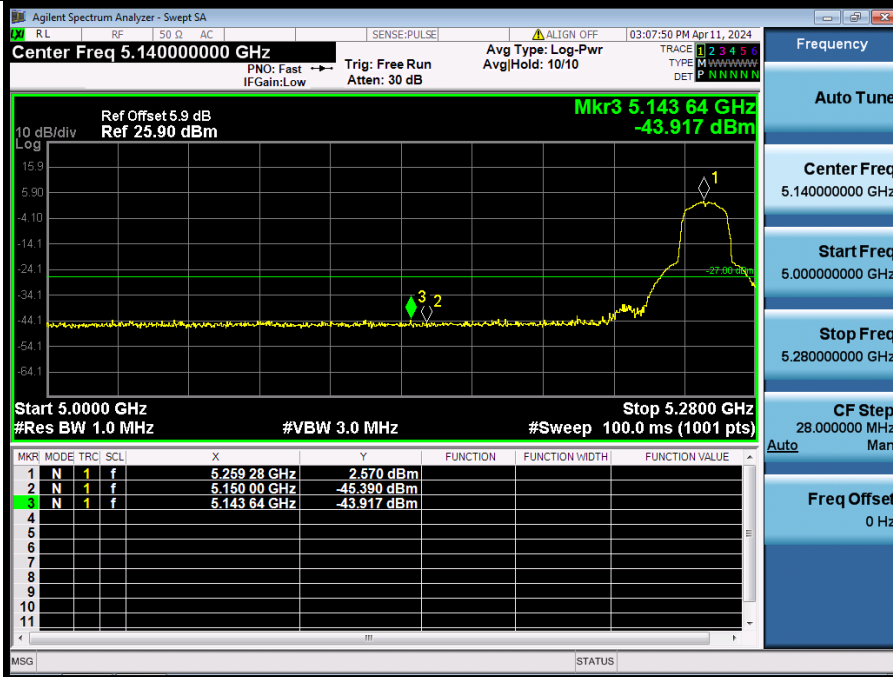|				UNII-2A			
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	5110.60	-42.93	-27	Pass
NVNT	ANT1	802.11a	5320.00	5371.20	-41.90	-27	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	5081.20	-44.18	-27	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	5350.20	-38.55	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	5143.64	-43.92	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	5350.60	-38.29	-27	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	5132.00	-44.28	-27	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	5350.40	-35.75	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5270.00	5135.40	-43.91	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5310.00	5350.60	-35.40	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5290.00	5149.93	-42.14	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5290.00	5355.32	-34.30	-27	Pass

Bandedge_NVNT_ANT1_802_11a_5260

Bandedge_NVNT_ANT1_802_11a_5320

Bandedge_NVNT_ANT1_802_11n(HT20)_5260
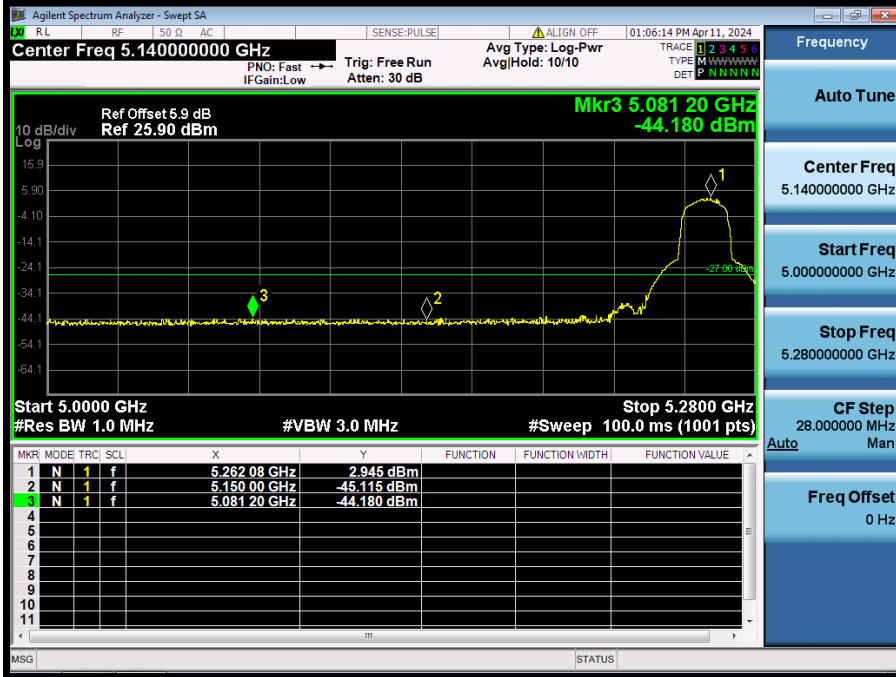
Bandedge_NVNT_ANT1_802_11n(HT20)_5320

Bandedge_NVNT_ANT1_802_11ac(VHT20)_5260

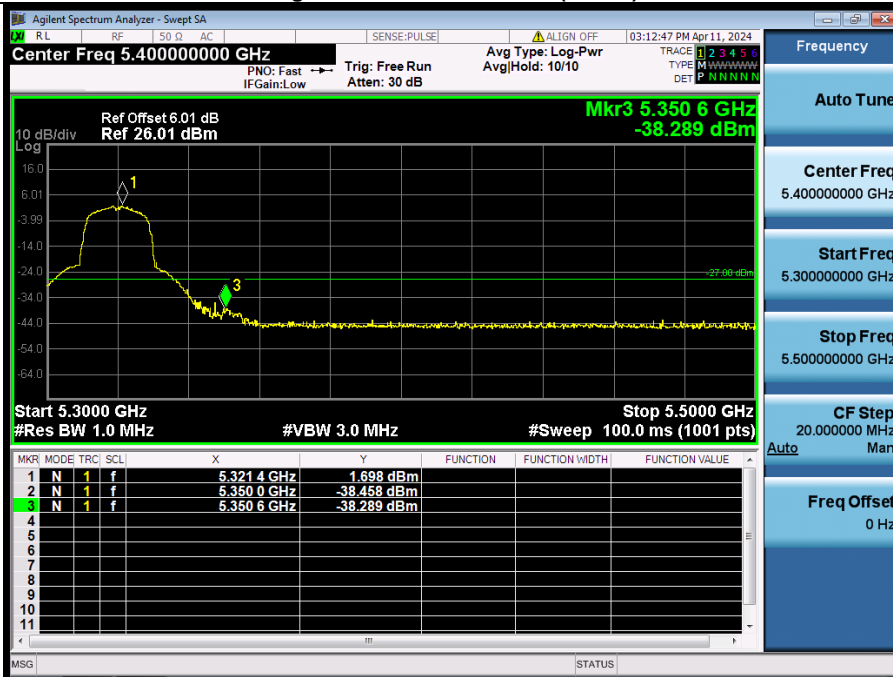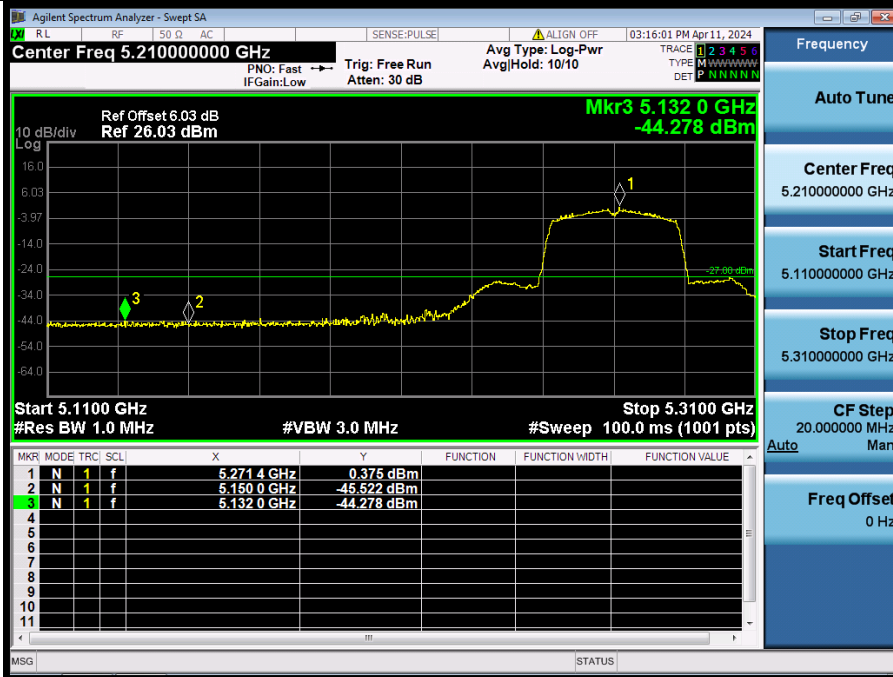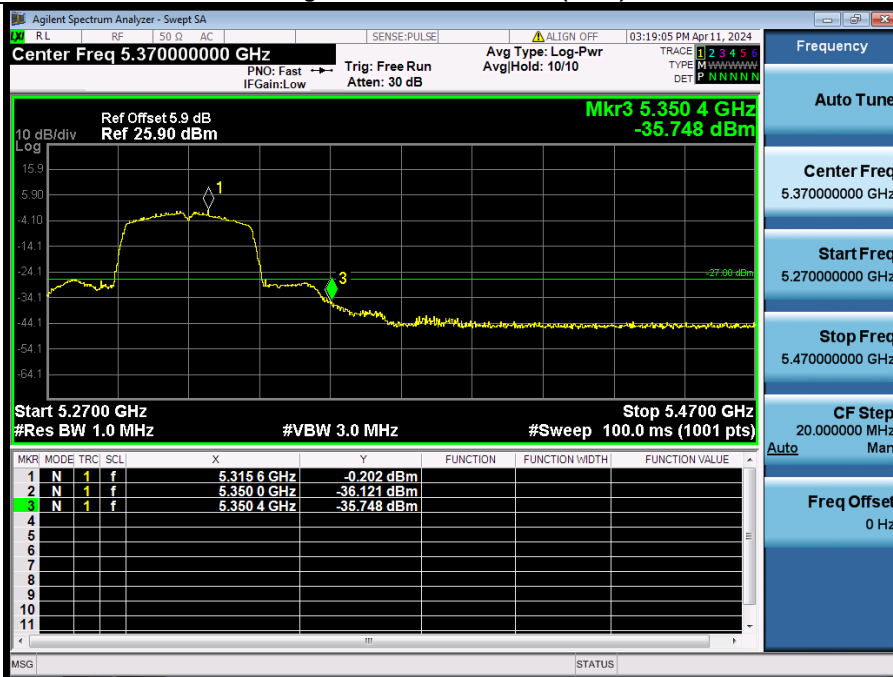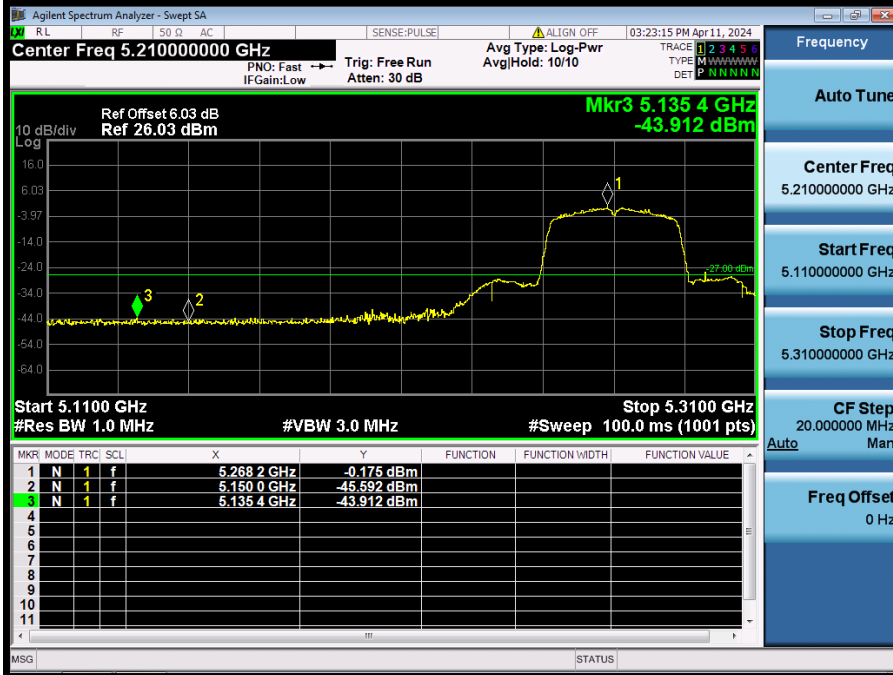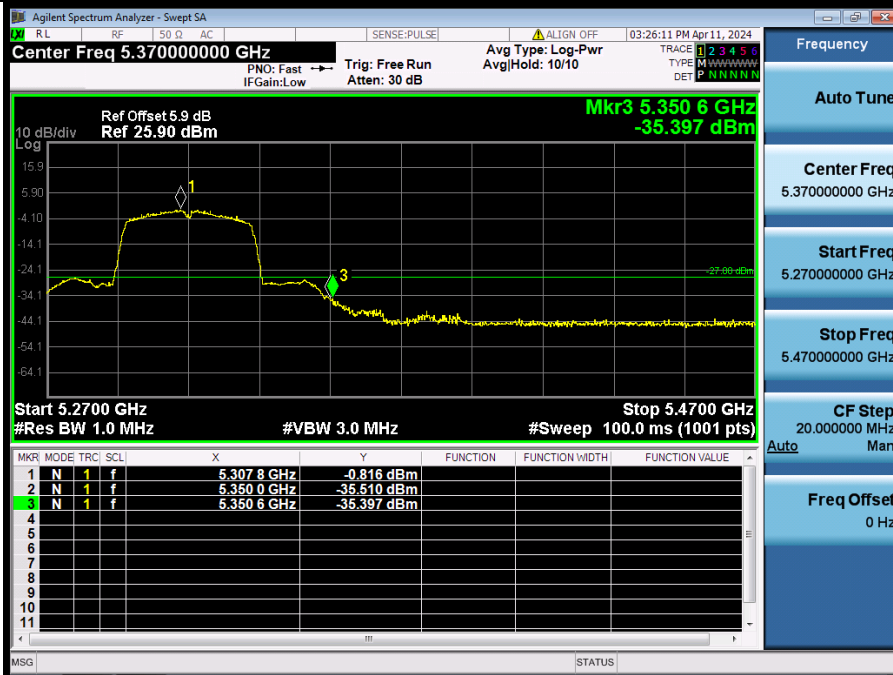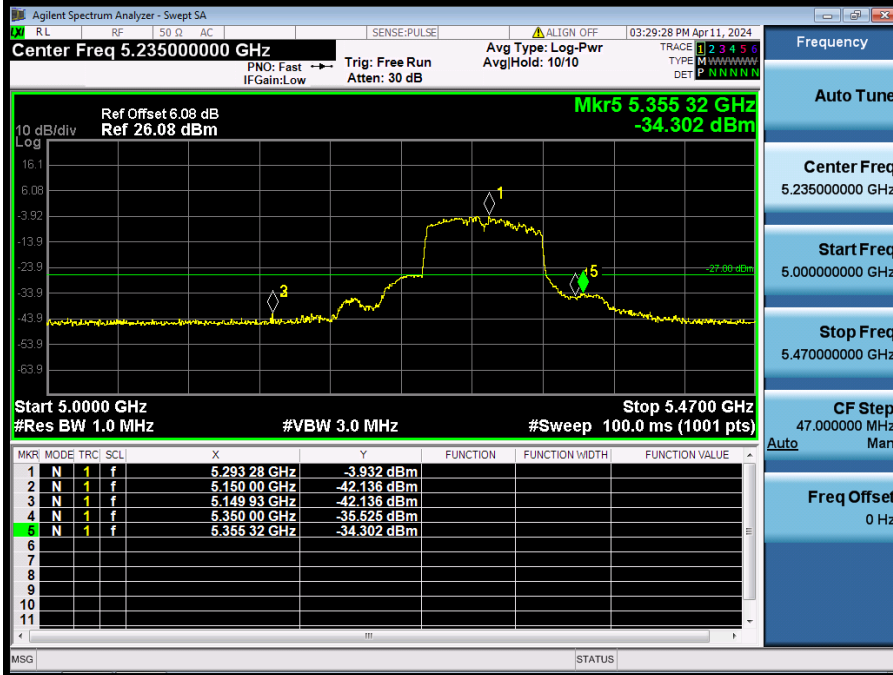

Bandedge_NVNT_ANT1_802_11ac(VHT20)_5320

Bandedge_NVNT_ANT1_802_11n(HT40)_5270

Bandedge_NVNT_ANT1_802_11n(HT40)_5310

Bandedge_NVNT_ANT1_802_11ac(VHT40)_5270
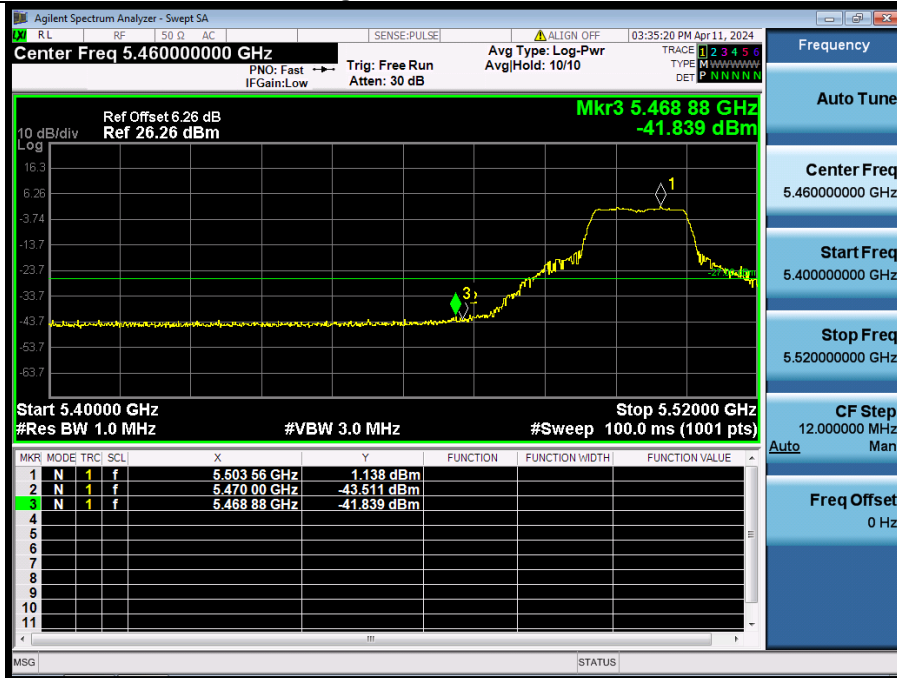

Bandedge_NVNT_ANT1_802_11ac(VHT40)_5310

Bandedge_NVNT_ANT1_802_11ac(VHT80)_5290

UNII-2C

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500	5468.88	-41.84	-27	Pass
NVNT	ANT1	802.11a	5700.00	5863.70	-43.34	-27	Pass
NVNT	ANT1	802.11n(HT20)	5500	5469.24	-40.38	-27	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	5880.86	-42.85	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5500	5469.96	-41.18	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	5892.74	-43.38	-27	Pass
NVNT	ANT1	802.11n(HT40)	5510	5469.90	-31.44	-27	Pass
NVNT	ANT1	802.11n(HT40)	5670	5869.76	-41.96	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5510	5468.10	-33.01	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5670	5857.34	-42.62	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5530	5467.20	-35.36	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5610	5884.00	-42.13	-27	Pass

Bandedge_NVNT_ANT1_802_11a_5500

Bandedge_NVNT_ANT1_802_11a_5700