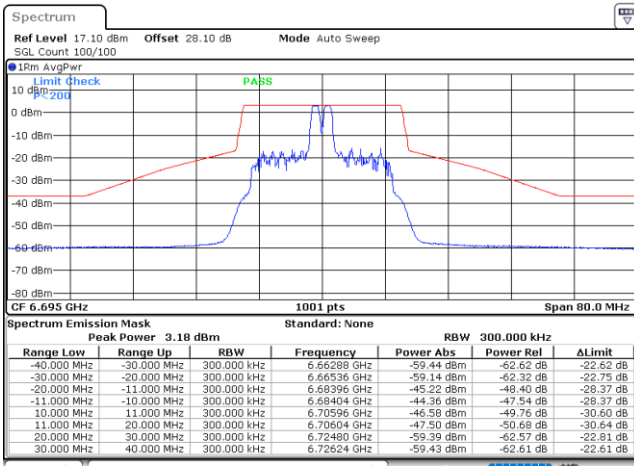


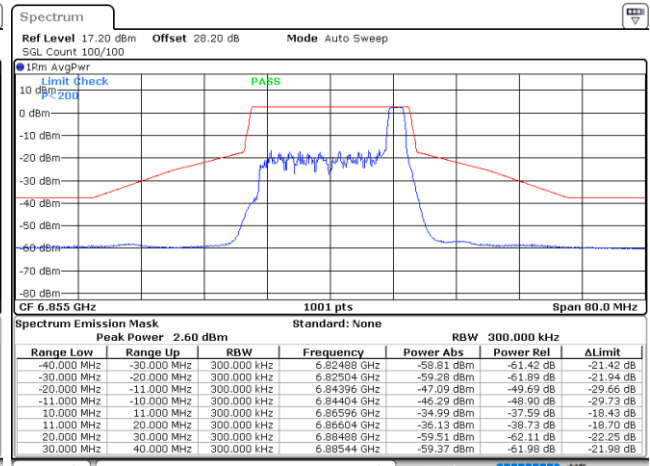


Plot on Channel 6695MHz



Date: 16.NOV.2022 01:01:22

Plot on Channel 6855MHz

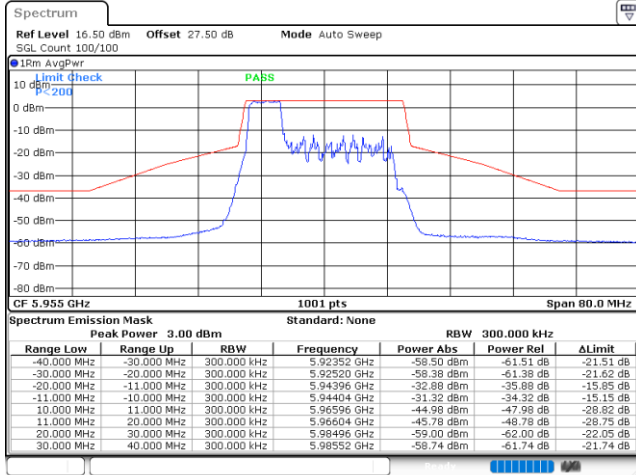


Date: 16.NOV.2022 01:06:53



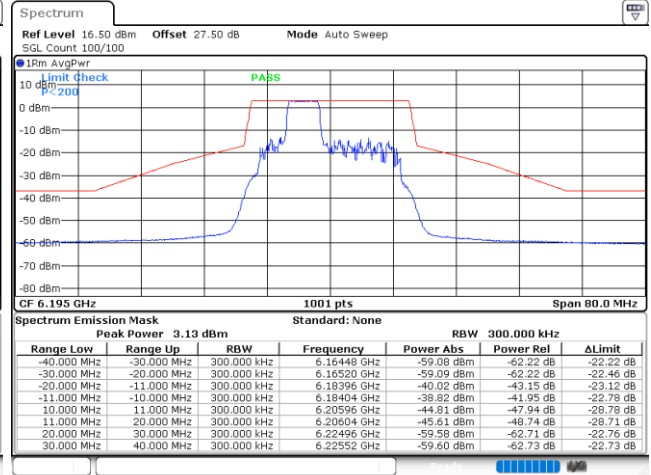
EUT Mode : 802.11ax HE20 52RU

Plot on Channel 5955MHz



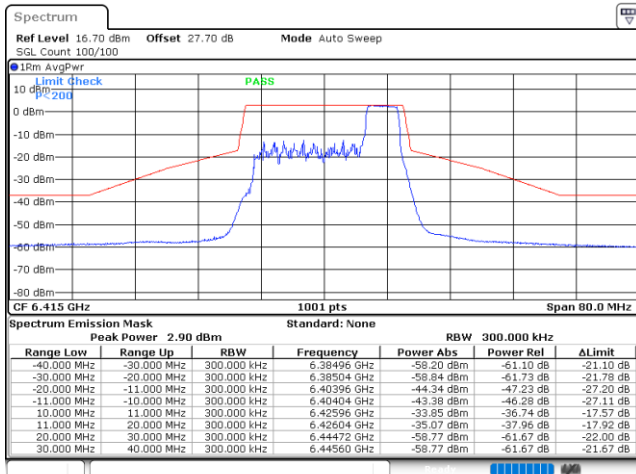
Date: 16.NOV.2022 00:30:35

Plot on Channel 6195MHz



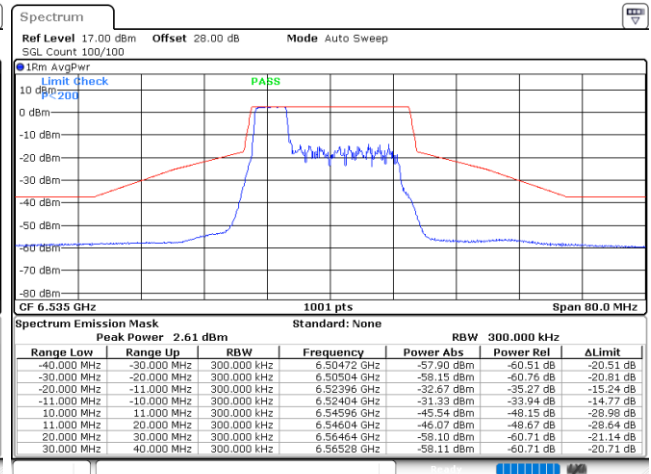
Date: 16.NOV.2022 00:44:51

Plot on Channel 6415MHz



Date: 16.NOV.2022 00:50:49

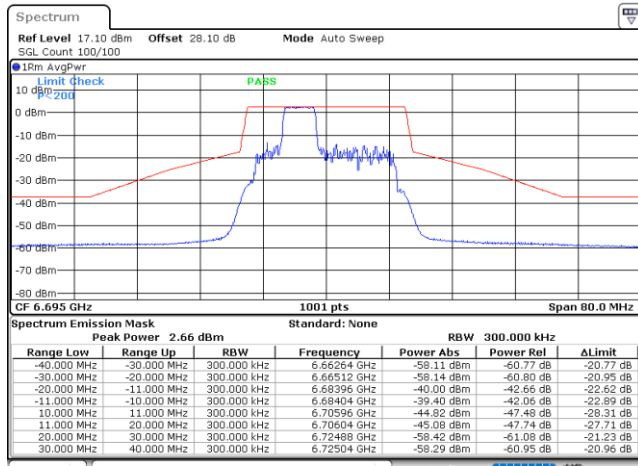
Plot on Channel 6535MHz



Date: 16.NOV.2022 00:57:21

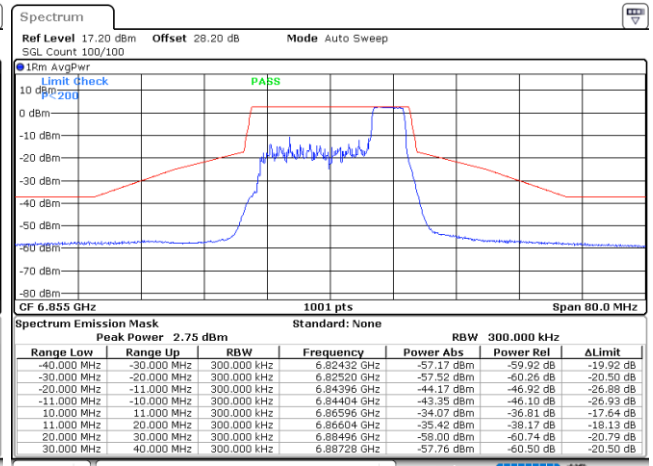


Plot on Channel 6695MHz



Date: 16.NOV.2022 01:02:57

Plot on Channel 6855MHz

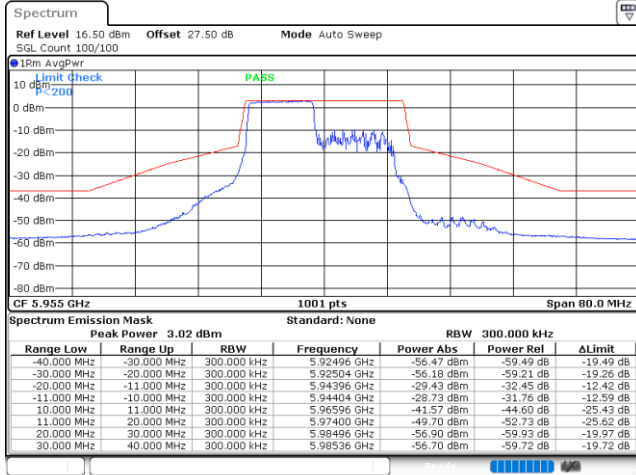


Date: 16.NOV.2022 01:08:36



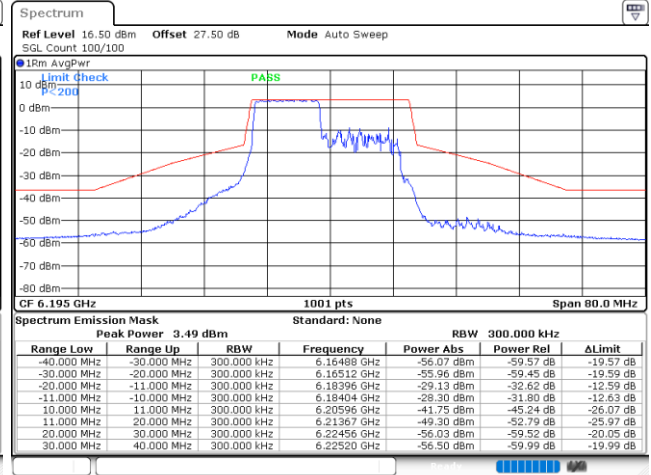
EUT Mode : 802.11ax HE20 106RU

Plot on Channel 5955MHz



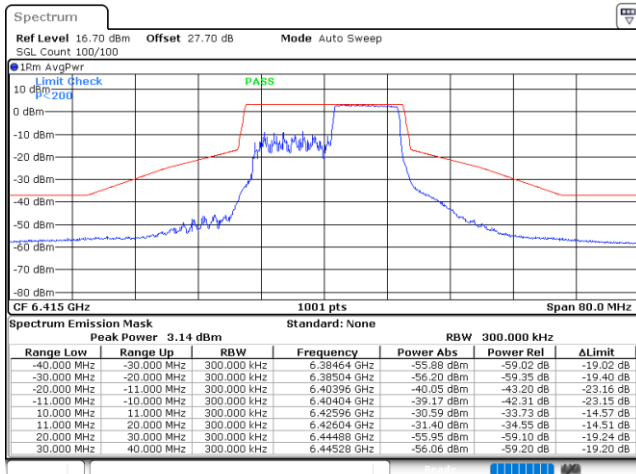
Date: 16.NOV.2022 00:40:29

Plot on Channel 6195MHz



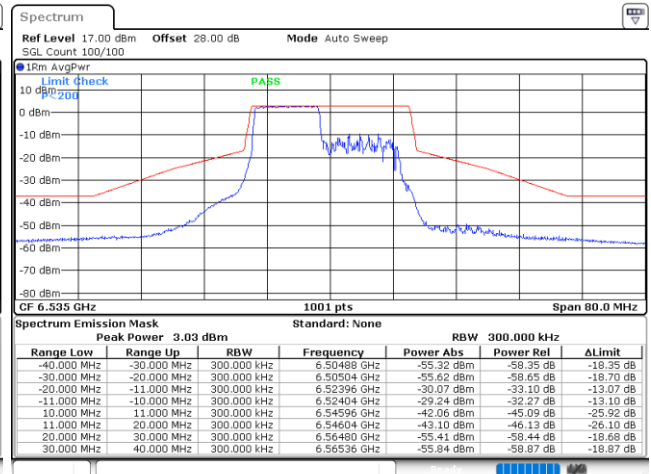
Date: 16.NOV.2022 00:46:44

Plot on Channel 6415MHz



Date: 16.NOV.2022 00:53:14

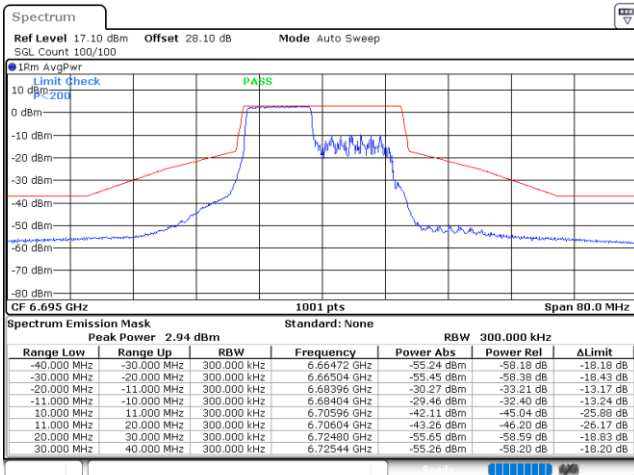
Plot on Channel 6535MHz



Date: 16.NOV.2022 00:59:12

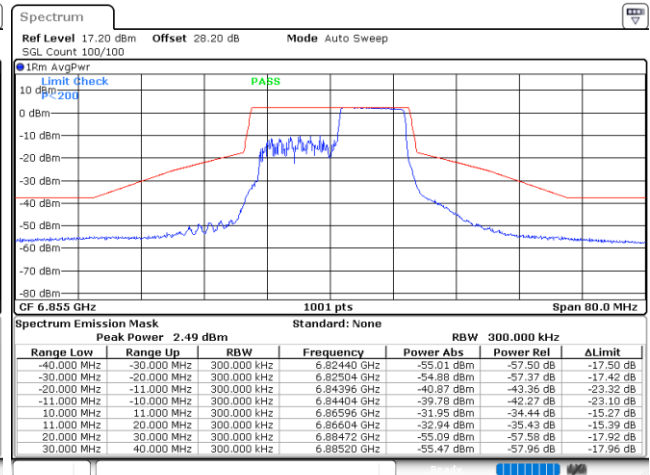


Plot on Channel 6695MHz



Date: 16.NOV.2022 01:04:43

Plot on Channel 6855MHz

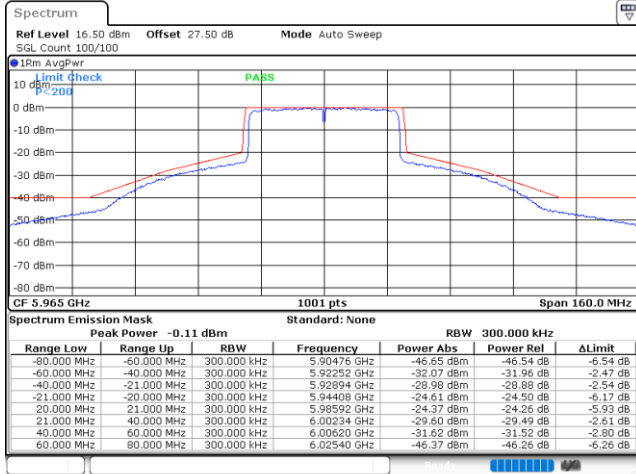


Date: 16.NOV.2022 01:10:19



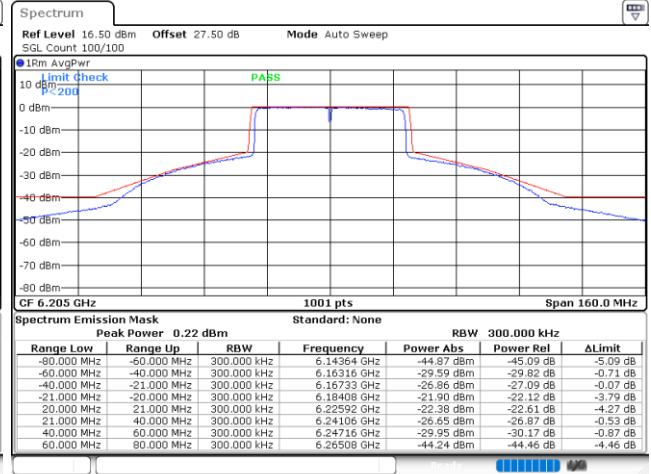
EUT Mode : 802.11ax HE40 Full RU

Plot on Channel 5965MHz



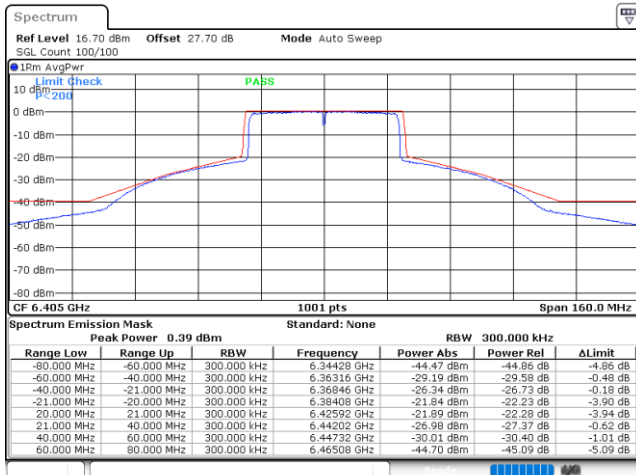
Date: 11.NOV.2022 00:14:10

Plot on Channel 6205MHz



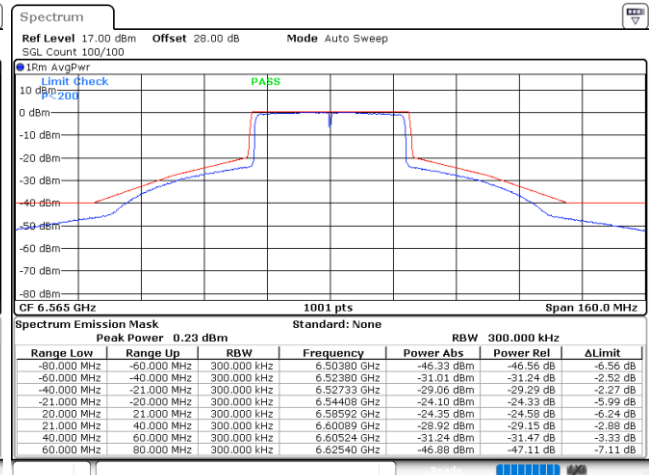
Date: 11.NOV.2022 00:40:39

Plot on Channel 6405MHz



Date: 11.NOV.2022 00:28:43

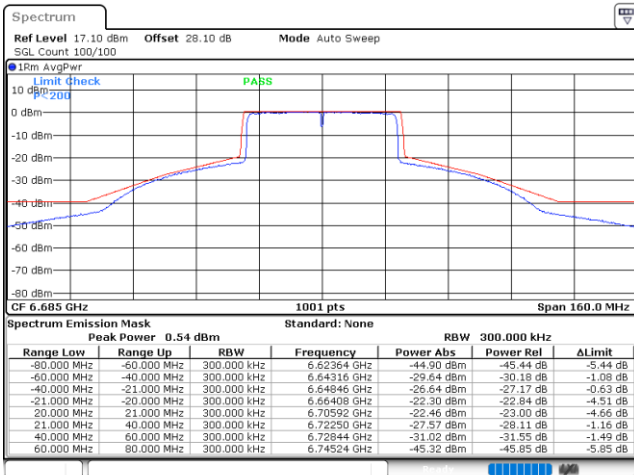
Plot on Channel 6565MHz



Date: 14.NOV.2022 19:42:00

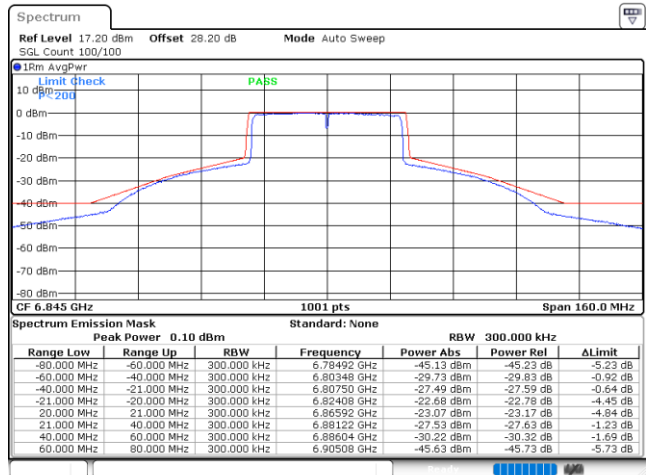


Plot on Channel 6685MHz



Date: 14.NOV.2022 19:51:40

Plot on Channel 6845MHz

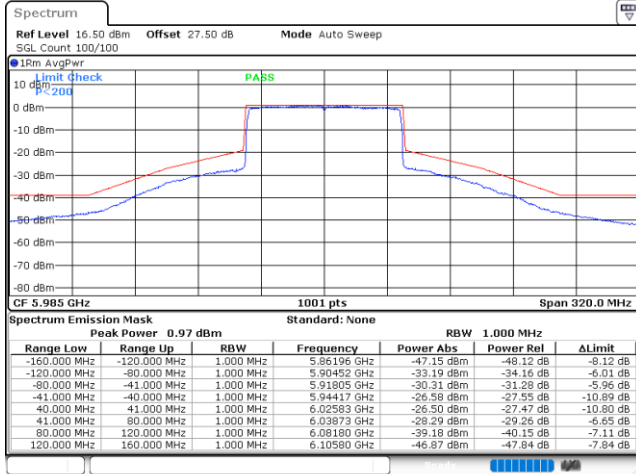


Date: 14.NOV.2022 20:08:53



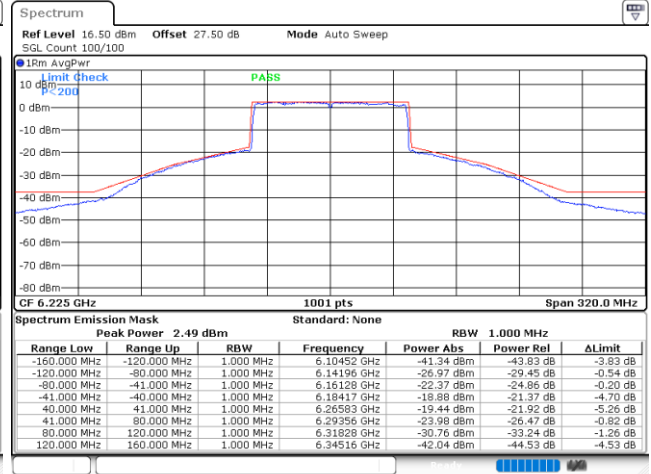
EUT Mode : 802.11ax HE80 Full RU

Plot on Channel 5985MHz



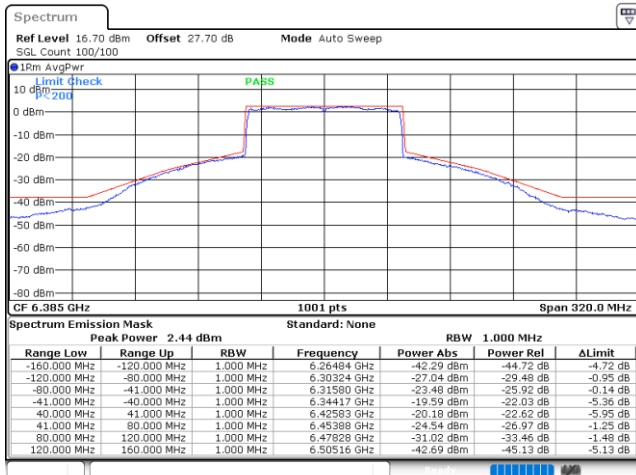
Date: 14.NOV.2022 21:13:37

Plot on Channel 6225MHz



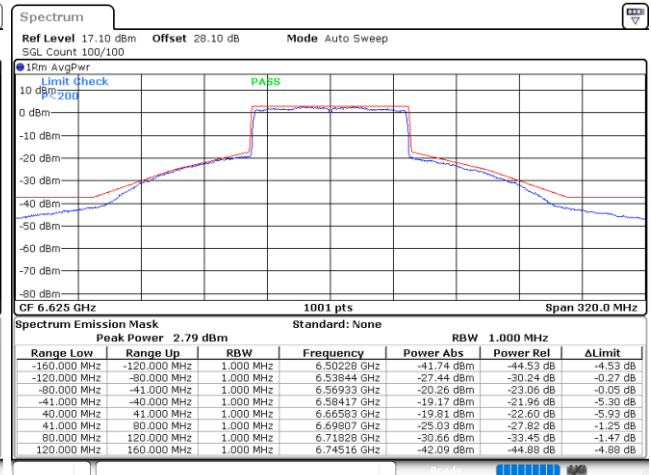
Date: 14.NOV.2022 21:24:28

Plot on Channel 6385MHz



Date: 14.NOV.2022 21:37:38

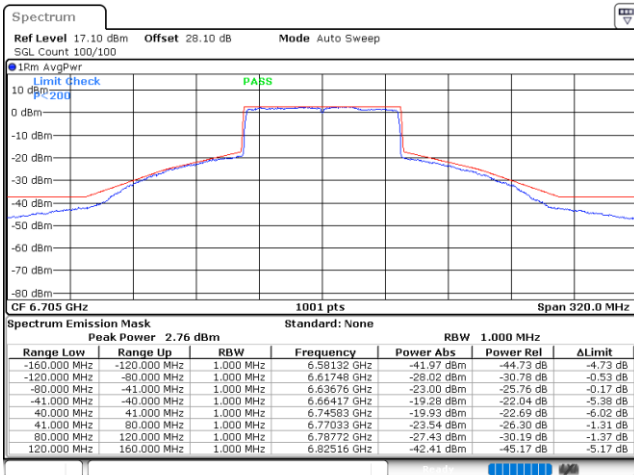
Plot on Channel 6625MHz



Date: 14.NOV.2022 21:49:11

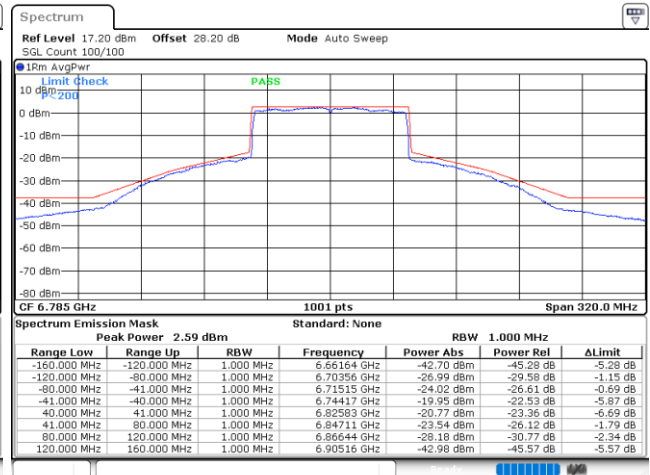


Plot on Channel 6705MHz



Date: 14.NOV.2022 21:54:01

Plot on Channel 6785MHz

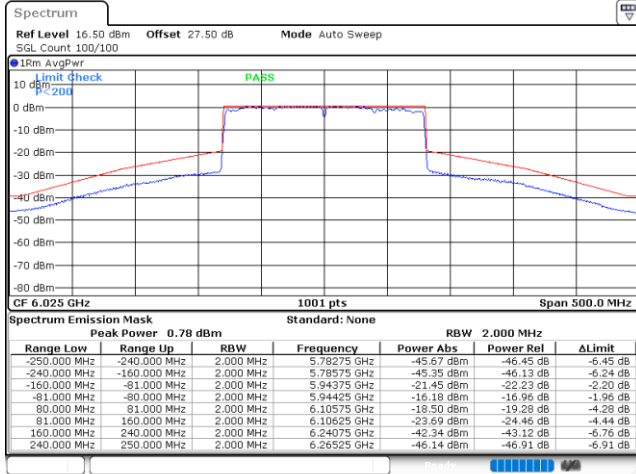


Date: 14.NOV.2022 22:02:15



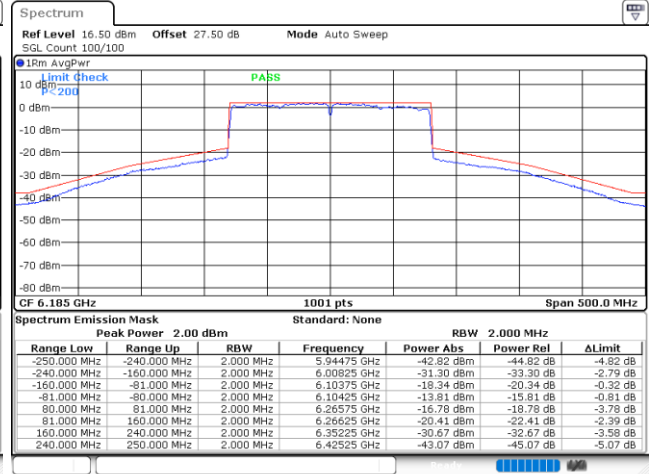
EUT Mode : 802.11ax HE160 Full RU

Plot on Channel 6025MHz



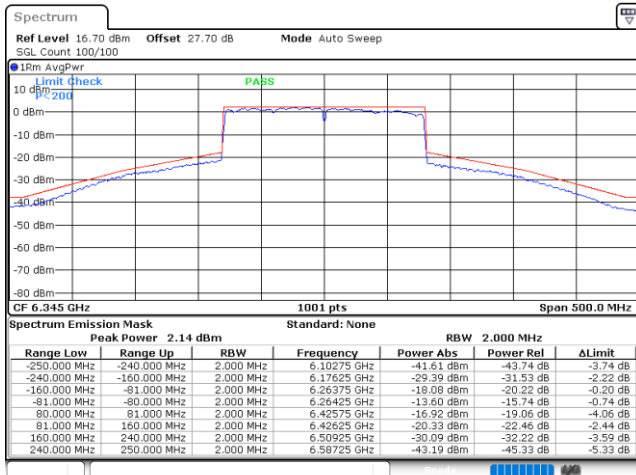
Date: 14.NOV.2022 22:30:03

Plot on Channel 6185MHz



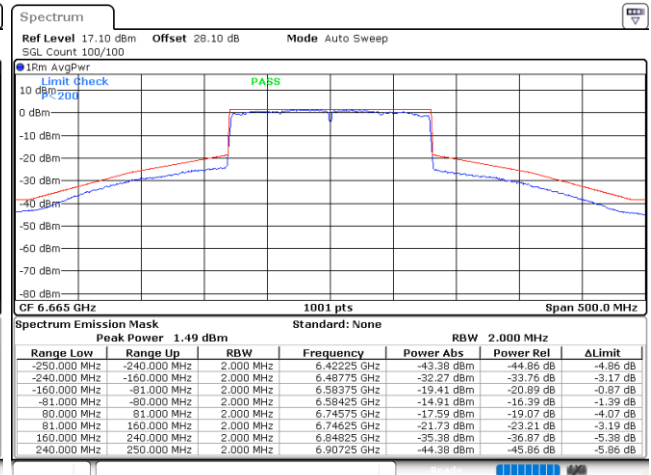
Date: 14.NOV.2022 22:35:32

Plot on Channel 6345MHz



Date: 14.NOV.2022 22:40:45

Plot on Channel 6665MHz



Date: 14.NOV.2022 23:13:45



3.5 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

(d)(6) Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

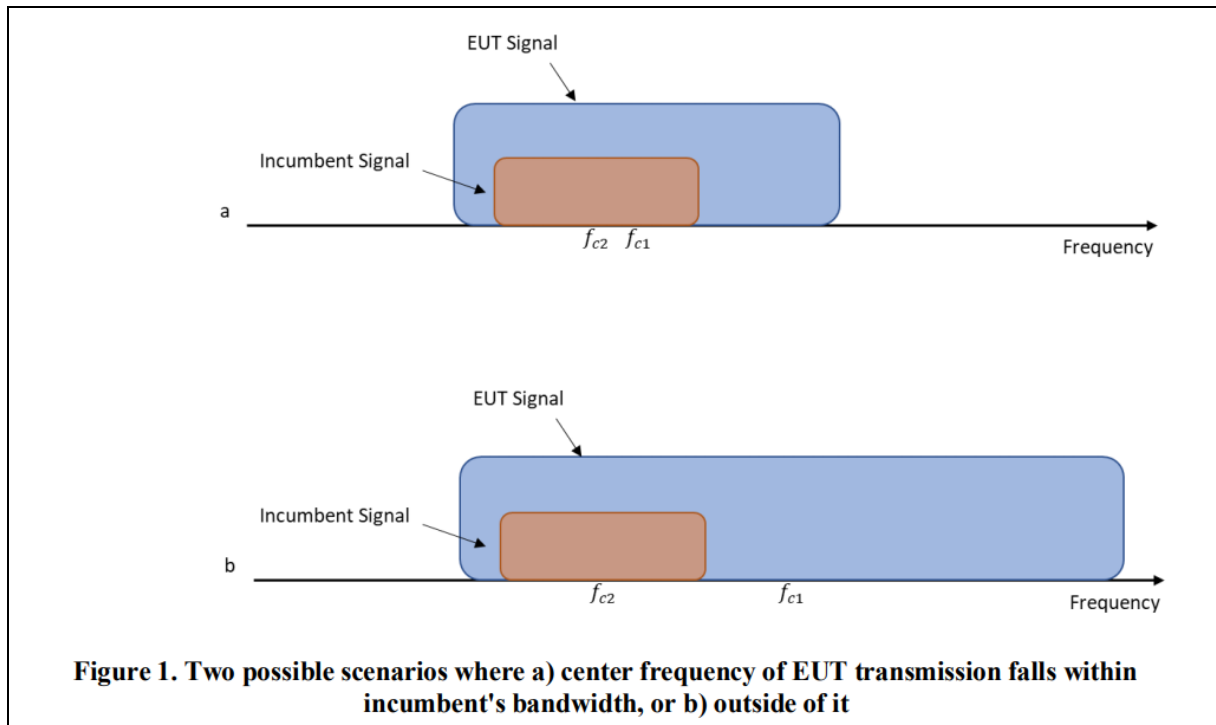
where:

BW_{EUT} : Transmission bandwidth of EUT signal

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

f_{c1} : Center frequency of EUT transmission

f_{c2} : Center frequency of simulated incumbent signal



3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

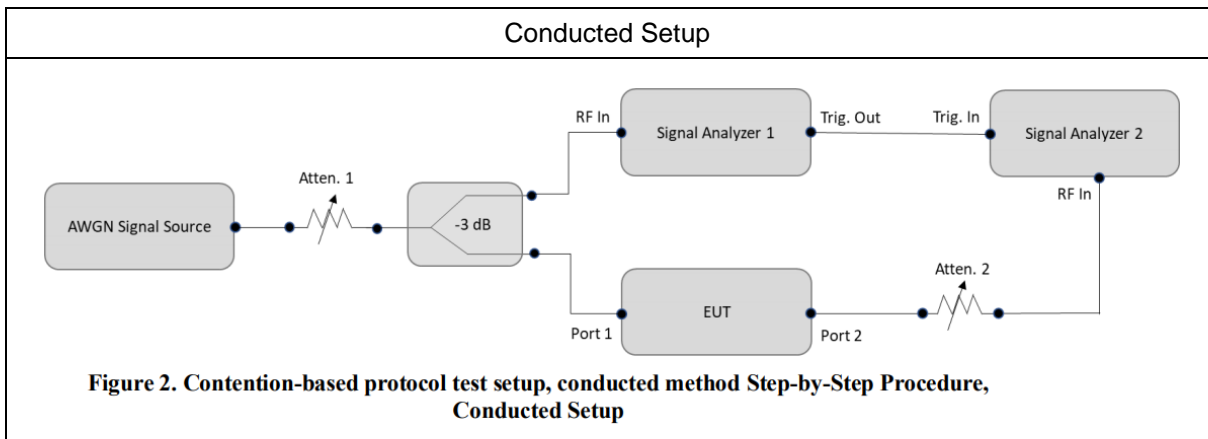
Section I) Contention Based Protocol

Conducted method Step-by-Step Procedure, Conducted Setup

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in test setup Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in test setup Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.
12. For the contention-based protocol test where only one channel in each supported sub-band needs to be tested. The narrowest and widest bandwidth in each channel shall be measured EUT was driven in MIMO mode, the interferer level was injected to both chains to monitor the performance, while the interferer level is determined according the lowest antenna gain among both antennas (i.e, lower interferer level).

3.5.4 Test Setup



3.5.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
WLAN AP	ASUS	GT-AXE11000	Dual Band AP
Notebook	Acer	N15C1	LAN



3.5.6 Test Summary of Contention Based Protocol Test

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)		
UNII Band 5	6135	20	6135	-67.32	100	-62	-64.82	2.82		
				Result: Stop Transmission						
				-71.32	< 90	-62	-68.82	6.82		
				Result: Minimal Operation						
				-72.32	0	-62	-69.82	7.82		
				Result: Normal Operation						
	6185	160	6110	-71.07	100	-62	-68.57	6.57		
				Result: Stop Transmission						
				-75.07	< 90	-62	-72.57	10.57		
				Result: Minimal Operation						
				-76.07	0	-62	-73.57	11.57		
				Result: Normal Operation						
			6185	160	6185	-71.44	100	-62	-68.94	6.94
						Result: Stop Transmission				
						-75.44	< 90	-62	-72.94	10.94
						Result: Minimal Operation				
						-76.44	0	-62	-73.94	11.94
						Result: Normal Operation				
	6260	160	6260	-70.34	100	-62	-67.84	5.84		
				Result: Stop Transmission						
				-74.34	< 90	-62	-71.84	9.84		
				Result: Minimal Operation						
				-75.34	0	-62	-72.84	10.84		
				Result: Normal Operation						

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain -2.5 dBi.

Note 2: Path Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)		
UNII Band 7	6695	20	6695	-67.13	100	-62	-64.33	2.33		
				Result: Stop Transmission						
				-71.13	< 90	-62	-68.33	6.33		
				Result: Minimal Operation						
				-72.13	0	-62	-69.33	7.33		
				Result: Normal Operation						
	6665	160	6590	-70.89	100	-62	-68.09	6.09		
				Result: Stop Transmission						
				-74.89	< 90	-62	-72.09	10.09		
				Result: Minimal Operation						
				-75.89	0	-62	-73.09	11.09		
				Result: Normal Operation						
			6740	160	6740	-71.86	100	-62	-69.06	7.06
						Result: Stop Transmission				
						-75.86	< 90	-62	-73.06	11.06
						Result: Minimal Operation				
						-76.86	0	-62	-74.06	12.06
						Result: Normal Operation				
	6665	160	6665	-70.92	100	-62	-68.12	6.12		
				Result: Stop Transmission						
				-74.92	< 90	-62	-72.12	10.12		
				Result: Minimal Operation						
				-75.92	0	-62	-73.12	11.12		
				Result: Normal Operation						

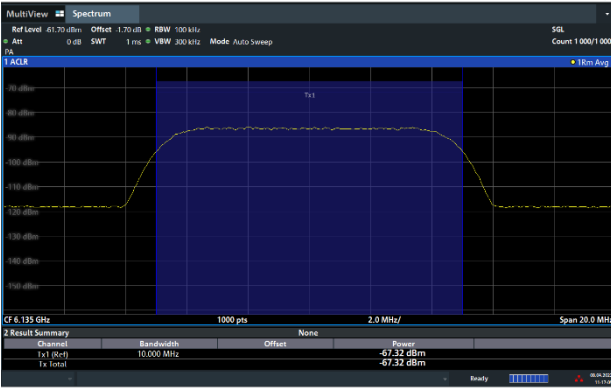
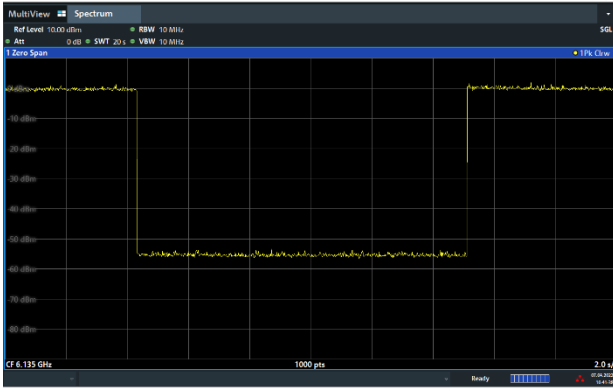
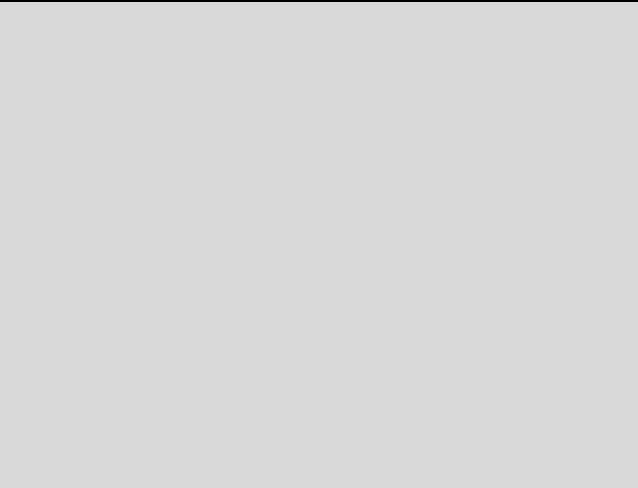
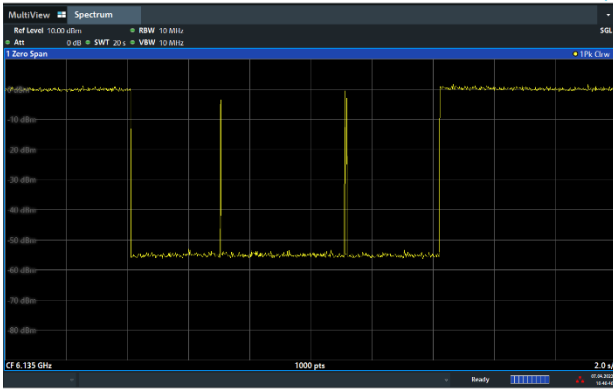
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain -2.8 dBi.

Note 2: Path Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power.



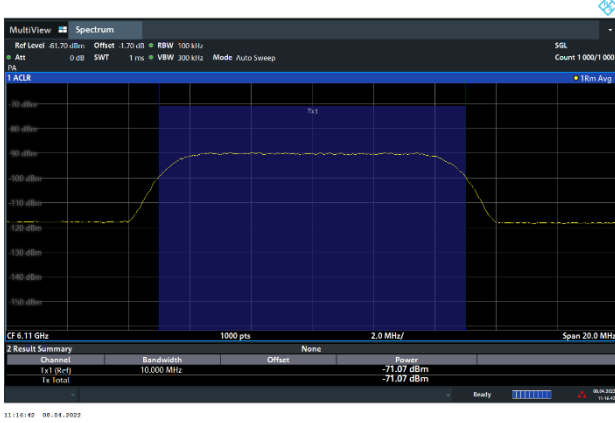
3.5.7 Test Plots of Contention Based Protocol Test

Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -67.32dBm</p>	<p>802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.</p>
	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -68.32dBm</p>	<p>802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.</p>
	

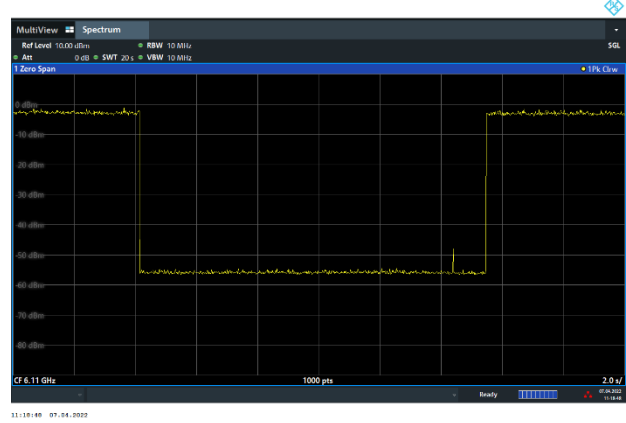


Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

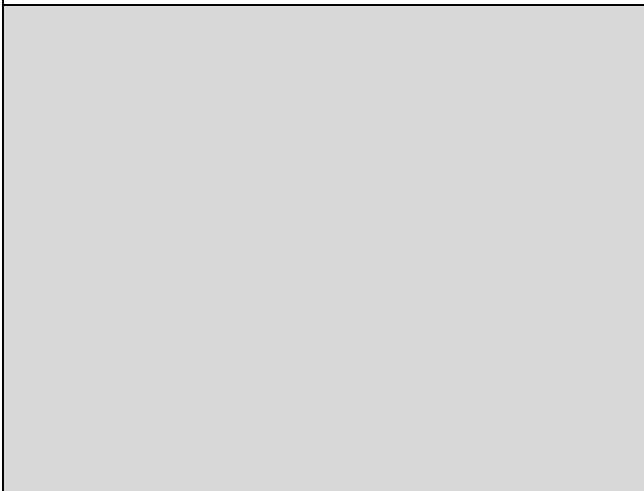
802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -71.07dBm



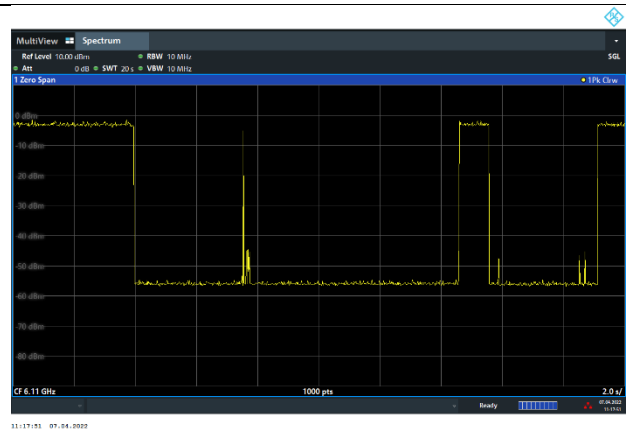
802.11ax (HE160) / CH47 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -72.07dBm



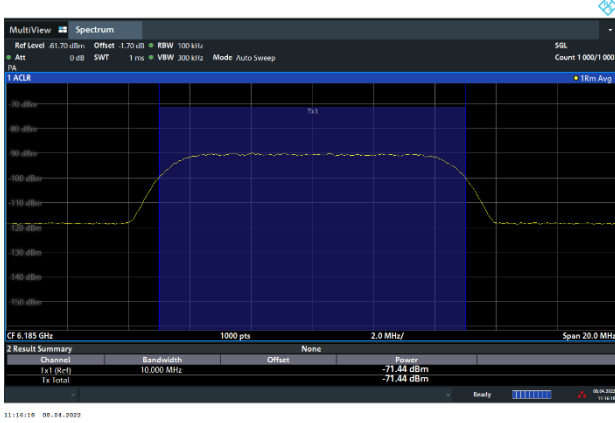
802.11ax (HE160) / CH47 (Lower edge)
Transmit when the interferer is 1dB lower.





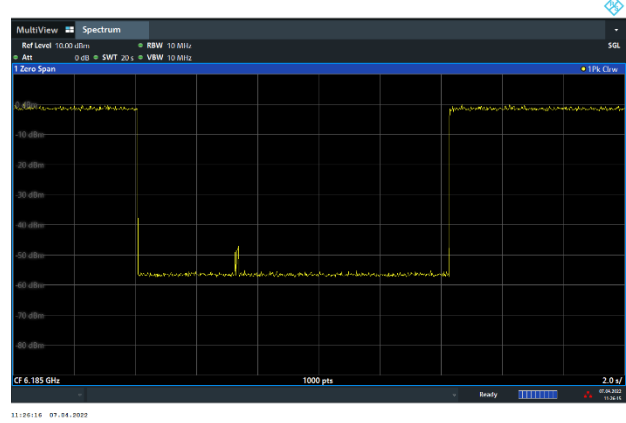
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -71.44dBm

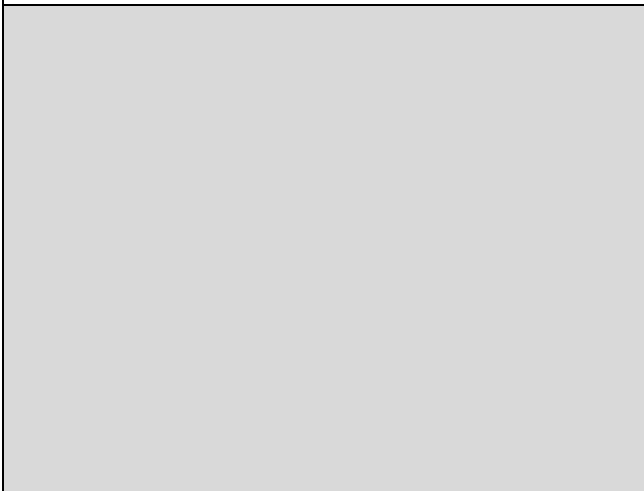


802.11ax (HE160) / CH47 (Middle)

Test result is pass due to no transmission occur.

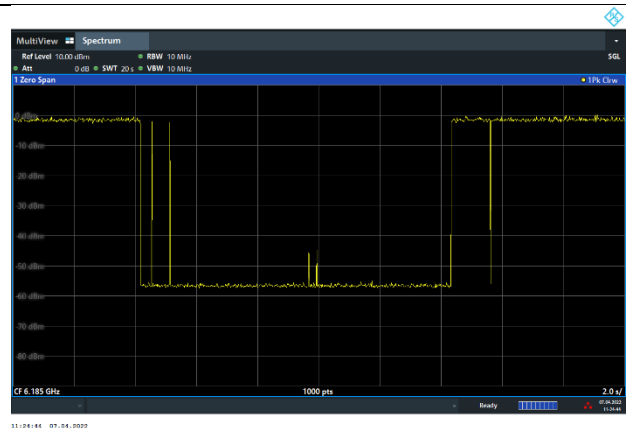


802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -72.44dBm



802.11ax (HE160) / CH47 (Middle)

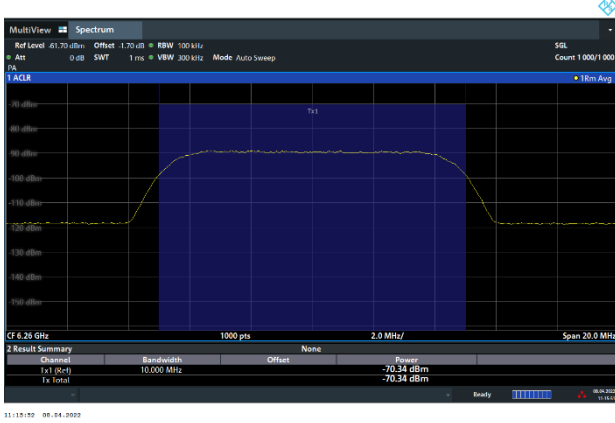
Transmit when the interferer is 1dB lower.



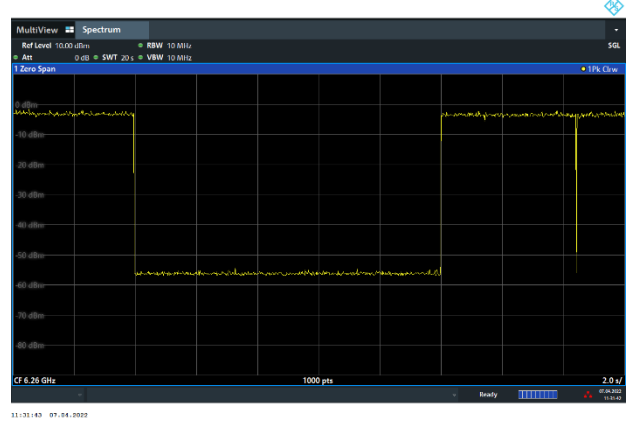


Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

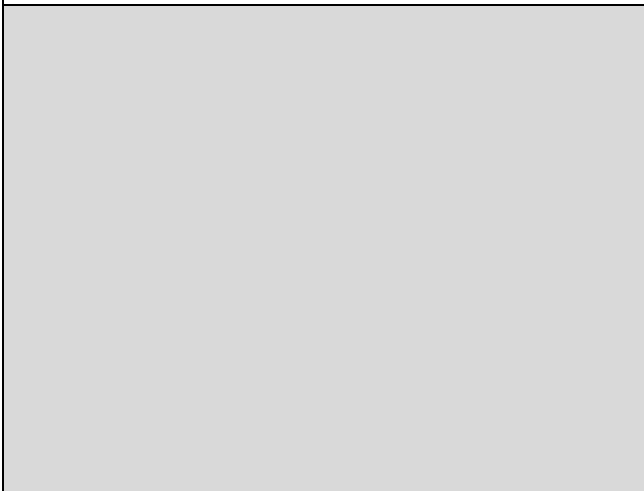
802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -70.34dBm



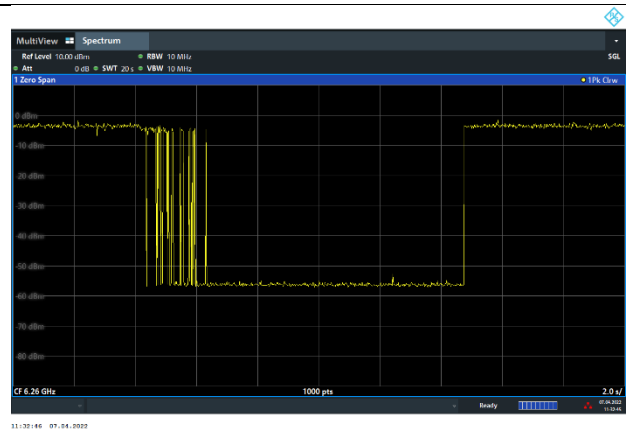
802.11ax (HE160) / CH47 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -1.34dBm



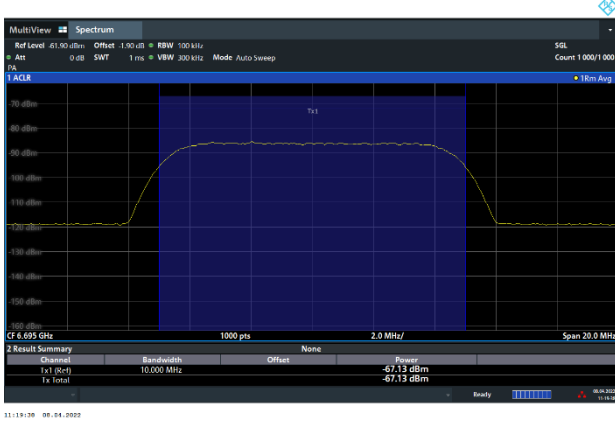
802.11ax (HE160) / CH47 (Upper edge)
Transmit when the interferer is 1dB lower.



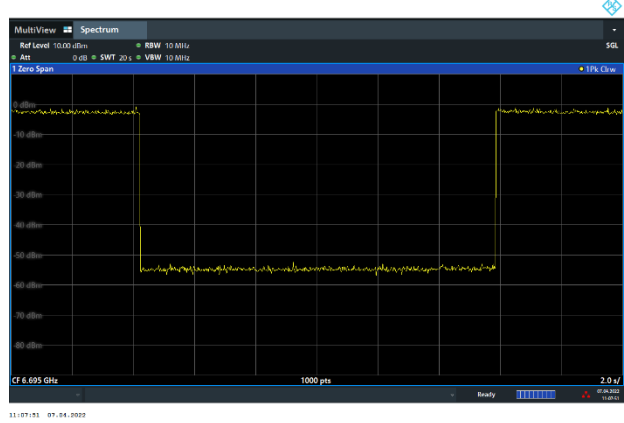


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

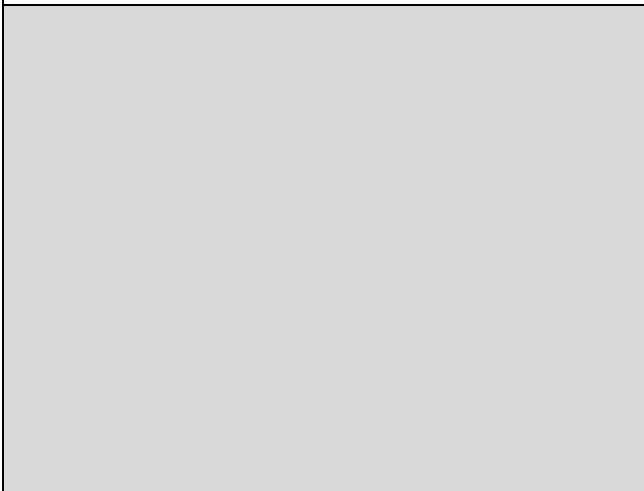
802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -67.13dBm



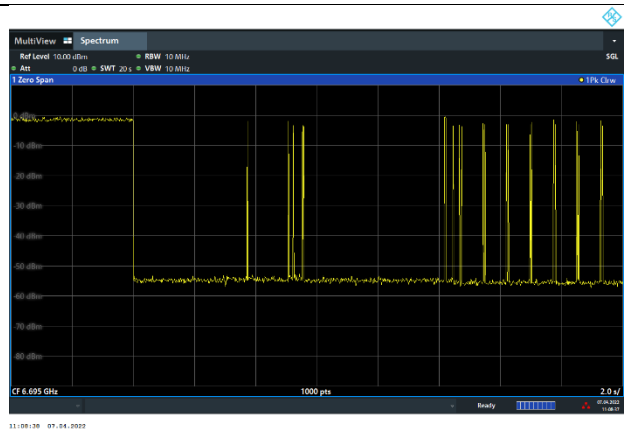
802.11ax (HE20) / CH149
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -68.13dBm



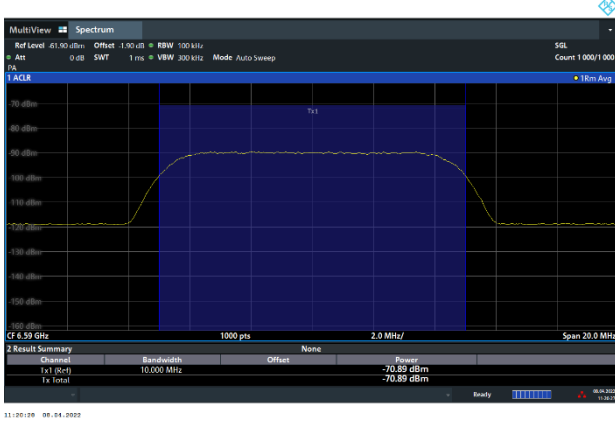
802.11ax (HE20) / CH149
Transmit when the interferer is 1dB lower.



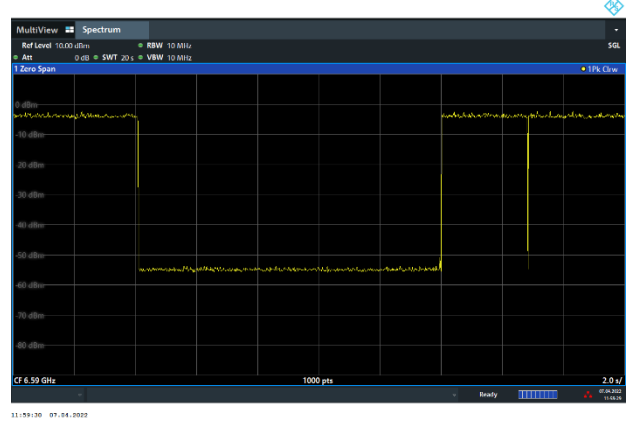


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

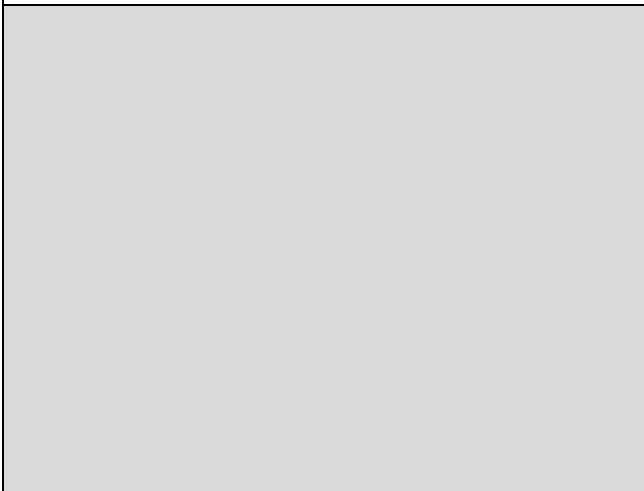
802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -70.89dBm



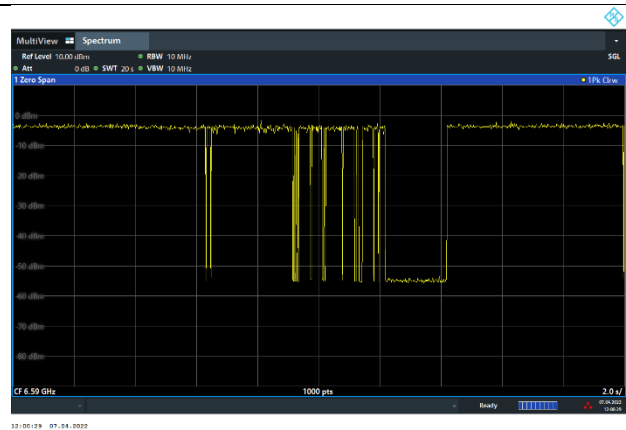
802.11ax (HE160) / CH143 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -71.89dBm



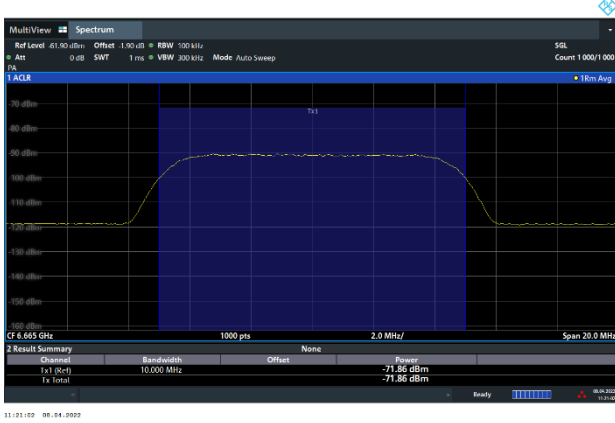
802.11ax (HE160) / CH143 (Lower edge)
Transmit when the interferer is 1dB lower.





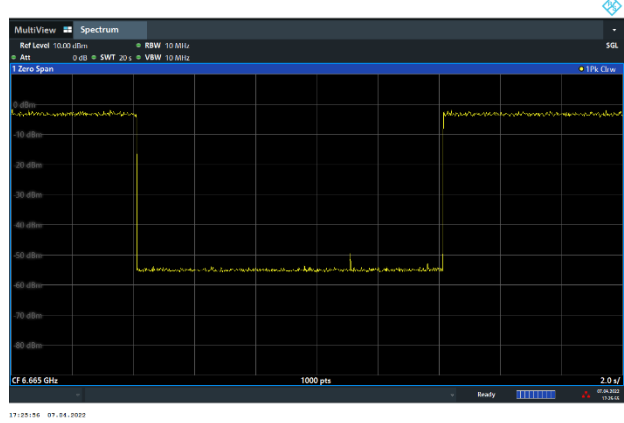
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -71.86dBm



802.11ax (HE160) / CH143 (Middle)

Test result is pass due to no transmission occur.

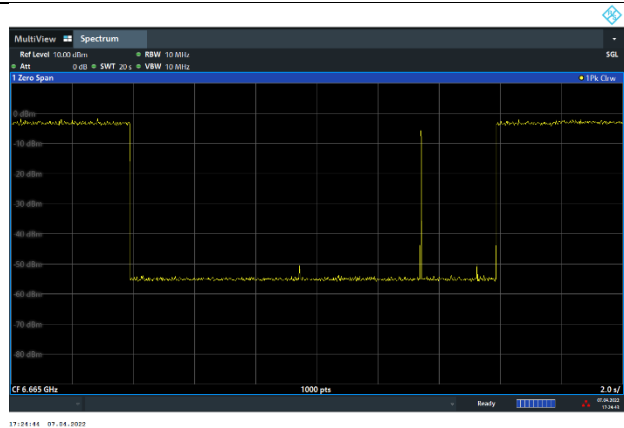


802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -72.86dBm



802.11ax (HE160) / CH143 (Middle)

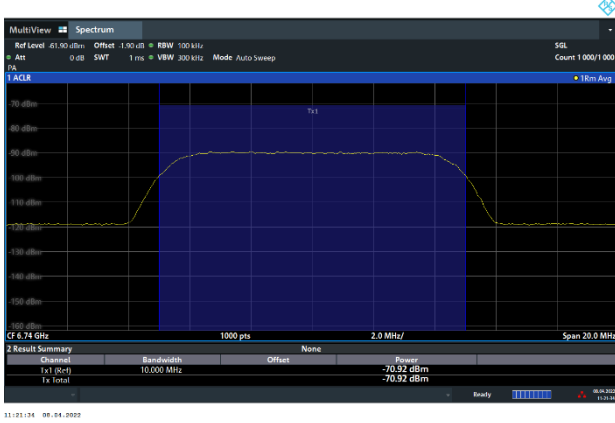
Transmit when the interferer is 1dB lower.



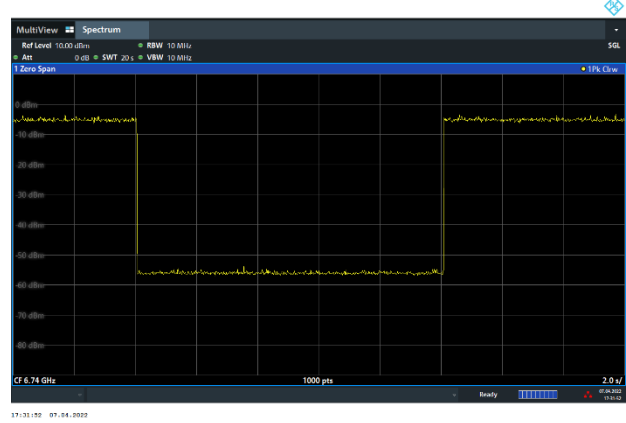


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

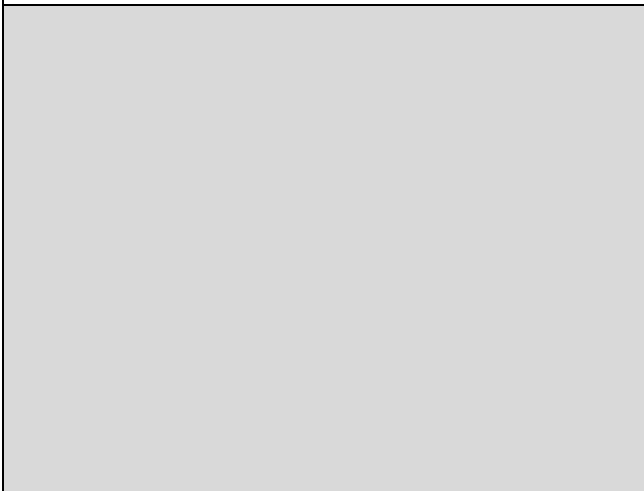
802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -70.92dBm



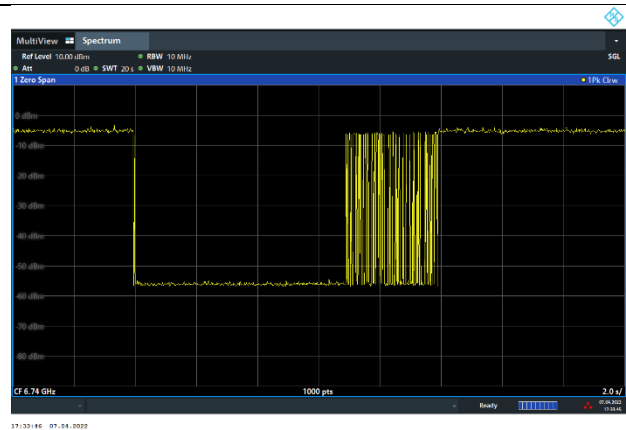
802.11ax (HE160) / CH143 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -71.92dBm



802.11ax (HE160) / CH143 (Upper edge)
Transmit when the interferer is 1dB lower.





3.6 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.6.1 Limit of Unwanted Emissions

- (1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

EIRP (dBm)	Field Strength at 3m (dBµV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

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

Note: The following formula is used to convert the EIRP to field strength.

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

3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.



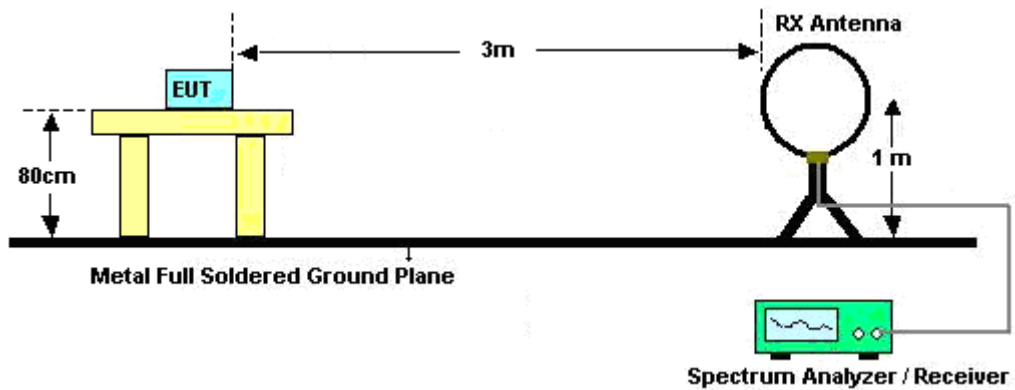
3.6.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

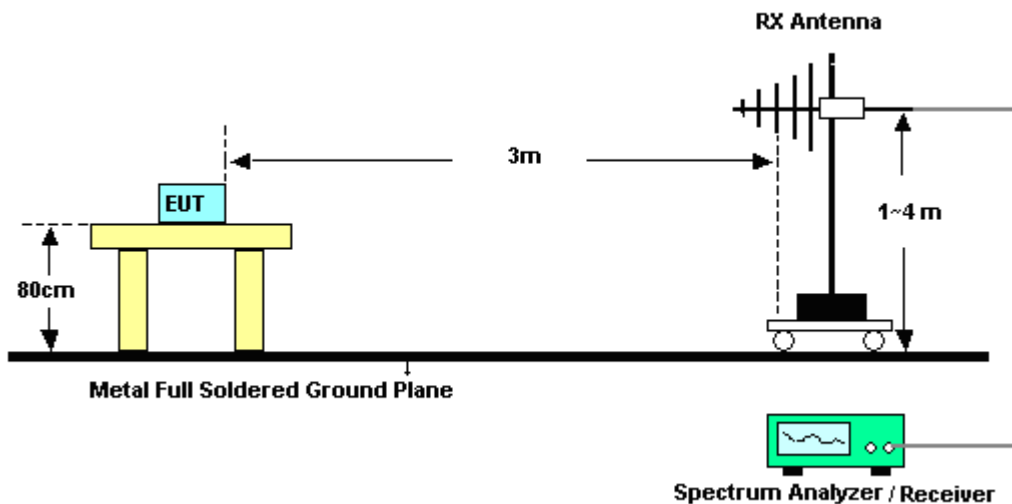
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“.

3.6.4 Test Setup

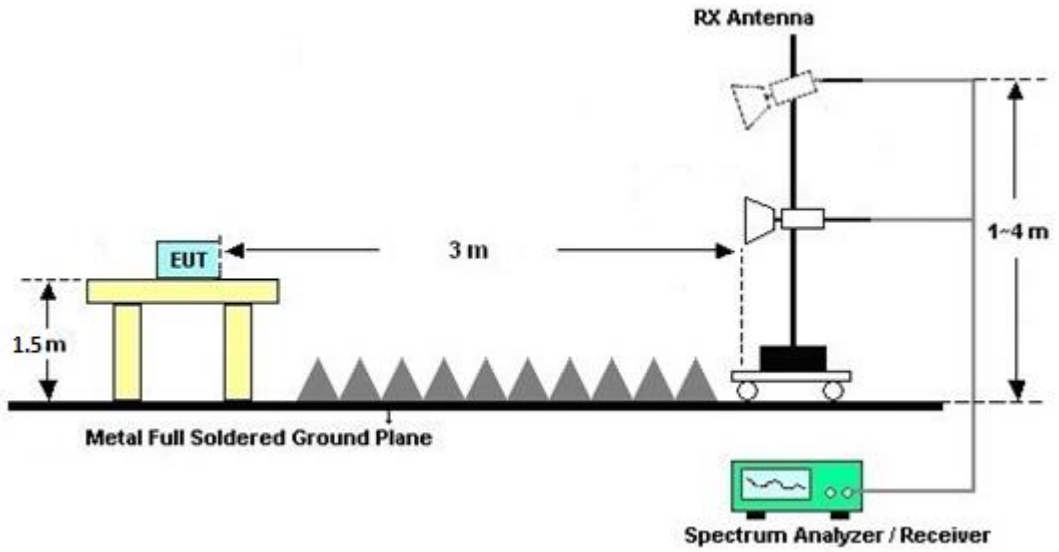
For radiated emissions below 30MHz



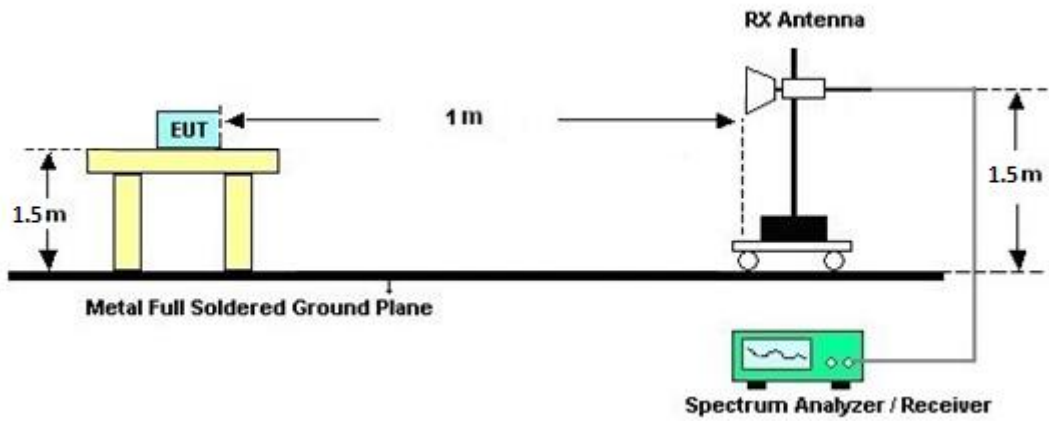
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





3.6.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.6.7 Duty Cycle

Please refer to Appendix E.

3.6.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.



3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

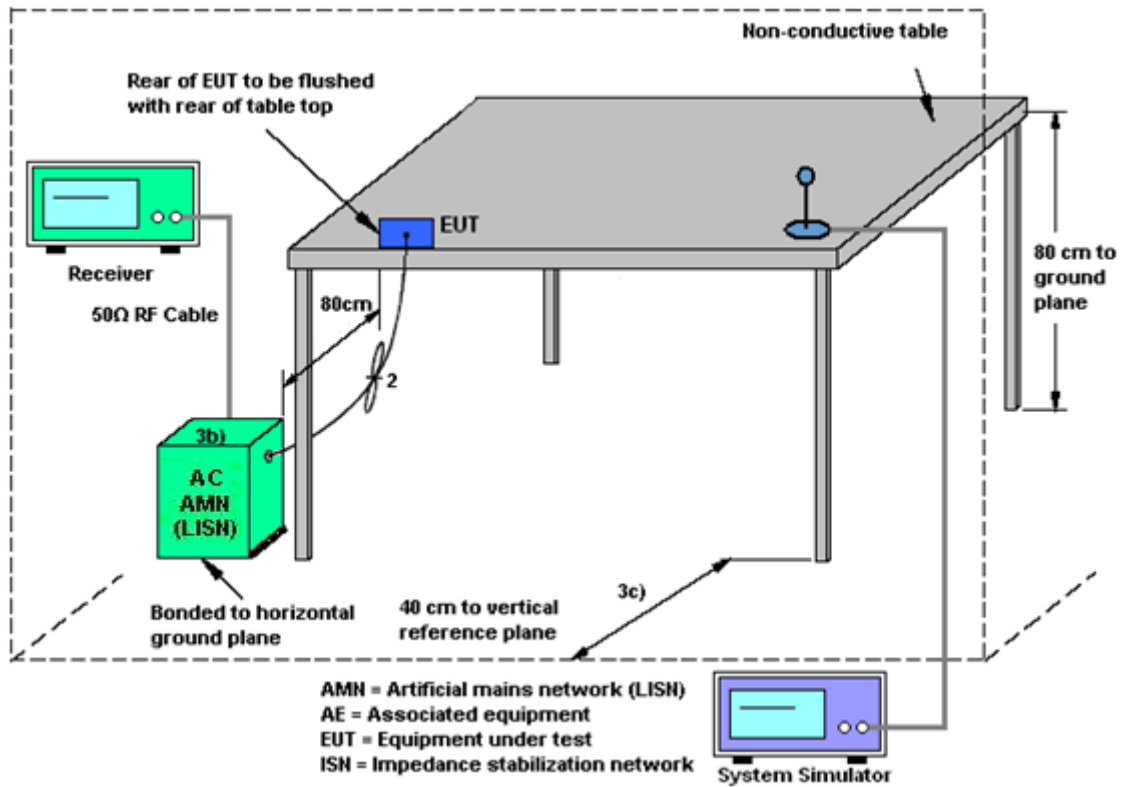
3.7.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.7.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.7.4 Test Setup



3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.8 Antenna Requirements

3.8.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 24, 2022	Nov. 04, 2022~Nov. 08, 2022	Apr. 23, 2023	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	Nov. 04, 2022~Nov. 08, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Nov. 04, 2022~Nov. 08, 2022	Sep. 19, 2023	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Nov. 04, 2022~Nov. 08, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	Nov. 04, 2022~Nov. 08, 2022	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 03, 2022	Nov. 04, 2022~Nov. 08, 2022	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 21, 2022	Nov. 04, 2022~Nov. 08, 2022	Jul. 20, 2023	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2022	Nov. 04, 2022~Nov. 08, 2022	Jul. 21, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	Nov. 04, 2022~Nov. 08, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	Nov. 04, 2022~Nov. 08, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	Nov. 04, 2022~Nov. 08, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 16, 2022	Nov. 04, 2022~Nov. 08, 2022	Sep. 15, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 23, 2022	Nov. 04, 2022~Nov. 08, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Nov. 04, 2022~Nov. 08, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Nov. 04, 2022~Nov. 08, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Nov. 04, 2022~Nov. 08, 2022	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Nov. 04, 2022~Nov. 08, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Nov. 04, 2022~Nov. 08, 2022	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 07, 2022	Nov. 04, 2022~Nov. 08, 2022	Mar. 06, 2023	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	May 27, 2022	Nov. 04, 2022~Nov. 08, 2022	May 26, 2023	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Nov. 04, 2022~Nov. 08, 2022	Nov. 29, 2022	Radiation (03CH07-HY)
Hygrometer	TECPEL	DTM-303A	TP200886	N/A	Mar. 21, 2022	Oct. 26, 2022~Nov. 16, 2022	Mar. 20, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-2101002(NO:123)	10MHz~8GHz	Jan. 13, 2022	Oct. 26, 2022~Nov. 16, 2022	Jan. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Oct. 26, 2022~Nov. 16, 2022	Aug. 02, 2023	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 20, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Apr. 20, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Apr. 20, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Apr. 20, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 20, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 28, 2021	Apr. 20, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Apr. 20, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Jan. 13, 2022	Apr. 07, 2022~Apr. 08, 2022	Jan. 12, 2023	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	Apr. 20, 2021	Apr. 07, 2022~Apr. 08, 2022	Apr. 19, 2022	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A1	0.5GHz-18GHz	Calibration from System	Apr. 07, 2022~Apr. 08, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A2	0.5GHz-18GHz	Calibration from System	Apr. 07, 2022~Apr. 08, 2022	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A1	0.5-18GHz	Calibration from System	Apr. 07, 2022~Apr. 08, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	STI08-0010(#2)	2GHz-8GHz	Calibration from System	Apr. 07, 2022~Apr. 08, 2022	Calibration from System	CBP (DF02-HY)



5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.1 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5 dB
---	--------

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.2 dB
---	--------

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
---	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2022/10/26~2022/11/16	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	001	5955	18.93	19.03	34.20	34.40	320.00	Pass
11a	6Mbps	2	049	6195	17.98	18.58	31.80	34.10	320.00	Pass
11a	6Mbps	2	093	6415	17.93	19.03	32.75	36.70	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	001	5955	21.10	20.90	24.01	-0.50		23.51	30.00	Pass
11a	6Mbps	2	049	6195	20.50	21.30	23.93	-0.50		23.43	30.00	Pass
11a	6Mbps	2	093	6415	20.20	21.00	23.63	-0.50		23.13	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	001	5955	0.29	0.29			12.18	1.57	13.75	17.00	Pass	
11a	6Mbps	2	049	6195	0.29	0.29			12.15	1.57	13.72	17.00	Pass	
11a	6Mbps	2	093	6415	0.29	0.29			11.81	1.57	13.38	17.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	117	6535	18.63	18.53	34.30	34.35	320.00	Pass
11a	6Mbps	2	149	6695	18.53	18.18	34.15	32.55	320.00	Pass
11a	6Mbps	2	181	6855	19.18	18.53	34.45	36.45	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	117	6535	21.00	20.70	23.86	-2.50		21.36	30.00	Pass
11a	6Mbps	2	149	6695	20.80	20.80	23.81	-2.50		21.31	30.00	Pass
11a	6Mbps	2	181	6855	20.50	20.70	23.61	-2.50		21.11	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3			
11a	6Mbps	2	117	6535	0.29	0.29			12.22	0.36	12.58	17.00	Pass	
11a	6Mbps	2	149	6695	0.29	0.29			11.96	0.36	12.32	17.00	Pass	
11a	6Mbps	2	181	6855	0.29	0.29			11.74	0.36	12.10	17.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO											
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	001	5955	Full	19.83	19.73	39.60	39.15	320.00	Pass
HE20	MCS0	2	049	6195	Full	19.53	19.78	38.90	40.85	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.43	19.88	41.10	39.55	320.00	Pass
HE40	MCS0	2	003	5965	Full	38.36	38.46	66.33	58.23	320.00	Pass
HE40	MCS0	2	051	6205	Full	38.46	39.16	76.41	75.69	320.00	Pass
HE40	MCS0	2	091	6405	Full	38.46	38.96	66.96	70.83	320.00	Pass
HE80	MCS0	2	007	5985	Full	77.32	77.20	107.84	94.08	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.56	77.80	129.76	143.52	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.44	77.56	135.68	136.16	320.00	Pass
HE160	MCS0	2	015	6025	Full	157.04	156.80	221.76	168.32	320.00	Pass
HE160	MCS0	2	047	6185	Full	157.04	157.28	261.76	293.76	320.00	Pass
HE160	MCS0	2	079	6345	Full	157.28	157.52	261.44	294.08	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	21.40	21.10	24.26	-0.50		23.76	30.00	Pass
HE20	MCS0	2	001	5955	26/0	11.70	11.70	14.71	-0.50		14.21	30.00	Pass
HE20	MCS0	2	001	5955	52/37	14.20	14.50	17.36	-0.50		16.86	30.00	Pass
HE20	MCS0	2	001	5955	106/53	17.50	18.10	20.82	-0.50		20.32	30.00	Pass
HE20	MCS0	2	049	6195	Full	20.70	21.30	24.02	-0.50		23.52	30.00	Pass
HE20	MCS0	2	049	6195	26/4	12.30	12.90	15.62	-0.50		15.12	30.00	Pass
HE20	MCS0	2	049	6195	52/38	13.90	14.60	17.27	-0.50		16.77	30.00	Pass
HE20	MCS0	2	049	6195	106/53	16.80	18.20	20.57	-0.50		20.07	30.00	Pass
HE20	MCS0	2	093	6415	Full	20.40	21.20	23.83	-0.50		23.33	30.00	Pass
HE20	MCS0	2	093	6415	26/8	10.40	11.40	13.94	-0.50		13.44	30.00	Pass
HE20	MCS0	2	093	6415	52/40	13.30	14.20	16.78	-0.50		16.28	30.00	Pass
HE20	MCS0	2	093	6415	106/54	16.80	17.50	20.17	-0.50		19.67	30.00	Pass
HE40	MCS0	2	003	5965	Full	20.60	20.40	23.51	-0.50		23.01	30.00	Pass
HE40	MCS0	2	051	6205	Full	20.50	21.20	23.87	-0.50		23.37	30.00	Pass
HE40	MCS0	2	091	6405	Full	20.20	21.10	23.68	-0.50		23.18	30.00	Pass
HE80	MCS0	2	007	5985	Full	19.30	19.30	22.31	-0.50		21.81	30.00	Pass
HE80	MCS0	2	055	6225	Full	20.40	21.10	23.77	-0.50		23.27	30.00	Pass
HE80	MCS0	2	087	6385	Full	20.30	21.10	23.73	-0.50		23.23	30.00	Pass
HE160	MCS0	2	015	6025	Full	18.90	19.30	22.11	-0.50		21.61	30.00	Pass
HE160	MCS0	2	047	6185	Full	20.00	20.50	23.27	-0.50		22.77	30.00	Pass
HE160	MCS0	2	079	6345	Full	19.70	20.20	22.97	-0.50		22.47	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	0.18	0.18			11.65	1.57	13.22	17.00	Pass	
HE20	MCS0	2	001	5955	26/0	0.49	0.48			11.54	1.57	13.10	17.00	Pass	
HE20	MCS0	2	001	5955	52/37	0.54	0.52			11.43	1.57	13.00	17.00	Pass	
HE20	MCS0	2	001	5955	106/53	0.58	0.60			11.53	1.57	13.10	17.00	Pass	
HE20	MCS0	2	049	6195	Full	0.18	0.18			11.62	1.57	13.19	17.00	Pass	
HE20	MCS0	2	049	6195	26/4	0.49	0.48			11.54	1.57	13.10	17.00	Pass	
HE20	MCS0	2	049	6195	52/38	0.54	0.52			11.43	1.57	13.00	17.00	Pass	
HE20	MCS0	2	049	6195	106/53	0.58	0.60			11.56	1.57	13.13	17.00	Pass	
HE20	MCS0	2	093	6415	Full	0.18	0.18			11.35	1.57	12.92	17.00	Pass	
HE20	MCS0	2	093	6415	26/8	0.49	0.48			11.00	1.57	12.56	17.00	Pass	
HE20	MCS0	2	093	6415	52/40	0.54	0.52			10.96	1.57	12.52	17.00	Pass	
HE20	MCS0	2	093	6415	106/54	0.58	0.60			11.25	1.57	12.82	17.00	Pass	
HE40	MCS0	2	003	5965	Full	0.34	0.34			8.33	1.57	9.90	17.00	Pass	
HE40	MCS0	2	051	6205	Full	0.34	0.34			8.72	1.57	10.29	17.00	Pass	
HE40	MCS0	2	091	6405	Full	0.34	0.34			8.29	1.57	9.85	17.00	Pass	
HE80	MCS0	2	007	5985	Full	0.64	0.65			4.27	1.57	5.83	17.00	Pass	
HE80	MCS0	2	055	6225	Full	0.64	0.65			5.82	1.57	7.39	17.00	Pass	
HE80	MCS0	2	087	6385	Full	0.64	0.65			5.66	1.57	7.23	17.00	Pass	
HE160	MCS0	2	015	6025	Full	0.70	0.70			1.21	1.57	2.78	17.00	Pass	
HE160	MCS0	2	047	6185	Full	0.70	0.70			2.54	1.57	4.10	17.00	Pass	
HE160	MCS0	2	079	6345	Full	0.70	0.70			2.42	1.57	3.99	17.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	117	6535	Full	19.68	19.73	44.55	39.50	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.58	19.58	40.65	36.30	320.00	Pass
HE20	MCS0	2	181	6855	Full	19.63	19.78	38.10	39.35	320.00	Pass
HE40	MCS0	2	123	6565	Full	38.86	38.36	74.70	71.10	320.00	Pass
HE40	MCS0	2	147	6685	Full	39.16	38.66	72.63	77.31	320.00	Pass
HE40	MCS0	2	179	6845	Full	38.56	38.76	74.79	71.19	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.56	77.80	144.96	152.64	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.56	77.44	147.04	139.52	320.00	Pass
HE80	MCS0	2	167	6785	Full	77.44	77.68	132.80	140.96	320.00	Pass
HE160	MCS0	2	143	6665	Full	157.52	157.04	261.76	261.44	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	21.30	20.80	24.07	-2.50		21.57	30.00	Pass
HE20	MCS0	2	117	6535	26/0	11.70	11.00	14.37	-2.50		11.87	30.00	Pass
HE20	MCS0	2	117	6535	52/37	14.40	14.00	17.21	-2.50		14.71	30.00	Pass
HE20	MCS0	2	117	6535	106/53	17.60	17.50	20.56	-2.50		18.06	30.00	Pass
HE20	MCS0	2	149	6695	Full	21.00	20.80	23.91	-2.50		21.41	30.00	Pass
HE20	MCS0	2	149	6695	26/4	12.20	12.00	15.11	-2.50		12.61	30.00	Pass
HE20	MCS0	2	149	6695	52/38	14.40	14.10	17.26	-2.50		14.76	30.00	Pass
HE20	MCS0	2	149	6695	106/53	17.40	17.40	20.41	-2.50		17.91	30.00	Pass
HE20	MCS0	2	181	6855	Full	20.70	20.80	23.76	-2.50		21.26	30.00	Pass
HE20	MCS0	2	181	6855	26/8	10.90	11.30	14.11	-2.50		11.61	30.00	Pass
HE20	MCS0	2	181	6855	52/40	13.80	14.10	16.96	-2.50		14.46	30.00	Pass
HE20	MCS0	2	181	6855	106/54	16.60	17.00	19.81	-2.50		17.31	30.00	Pass
HE40	MCS0	2	123	6565	Full	21.60	20.90	24.27	-2.50		21.77	30.00	Pass
HE40	MCS0	2	147	6685	Full	21.60	21.20	24.41	-2.50		21.91	30.00	Pass
HE40	MCS0	2	179	6845	Full	20.60	21.10	23.87	-2.50		21.37	30.00	Pass
HE80	MCS0	2	135	6625	Full	21.30	21.60	24.46	-2.50		21.96	30.00	Pass
HE80	MCS0	2	151	6705	Full	21.30	21.60	24.46	-2.50		21.96	30.00	Pass
HE80	MCS0	2	167	6785	Full	20.30	20.80	23.57	-2.50		21.07	30.00	Pass
HE160	MCS0	2	143	6665	Full	20.40	19.90	23.17	-2.50		20.67	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	0.18	0.18			11.67	0.36	12.03	17.00	Pass	
HE20	MCS0	2	117	6535	26/0	0.49	0.48			11.36	0.36	11.72	17.00	Pass	
HE20	MCS0	2	117	6535	52/37	0.54	0.52			11.33	0.36	11.69	17.00	Pass	
HE20	MCS0	2	117	6535	106/53	0.58	0.60			11.59	0.36	11.95	17.00	Pass	
HE20	MCS0	2	149	6695	Full	0.18	0.18			11.45	0.36	11.82	17.00	Pass	
HE20	MCS0	2	149	6695	26/4	0.49	0.48			11.04	0.36	11.40	17.00	Pass	
HE20	MCS0	2	149	6695	52/38	0.54	0.52			11.36	0.36	11.72	17.00	Pass	
HE20	MCS0	2	149	6695	106/53	0.58	0.60			11.39	0.36	11.75	17.00	Pass	
HE20	MCS0	2	181	6855	Full	0.18	0.18			11.21	0.36	11.57	17.00	Pass	
HE20	MCS0	2	181	6855	26/8	0.49	0.48			11.09	0.36	11.45	17.00	Pass	
HE20	MCS0	2	181	6855	52/40	0.54	0.52			11.00	0.36	11.36	17.00	Pass	
HE20	MCS0	2	181	6855	106/54	0.58	0.60			10.99	0.36	11.35	17.00	Pass	
HE40	MCS0	2	123	6565	Full	0.34	0.34			9.00	0.36	9.37	17.00	Pass	
HE40	MCS0	2	147	6685	Full	0.34	0.34			9.06	0.36	9.42	17.00	Pass	
HE40	MCS0	2	179	6845	Full	0.34	0.34			8.69	0.36	9.05	17.00	Pass	
HE80	MCS0	2	135	6625	Full	0.64	0.65			6.36	0.36	6.73	17.00	Pass	
HE80	MCS0	2	151	6705	Full	0.64	0.65			6.27	0.36	6.63	17.00	Pass	
HE80	MCS0	2	167	6785	Full	0.64	0.65			5.75	0.36	6.11	17.00	Pass	
HE160	MCS0	2	143	6665	Full	0.70	0.70			2.64	0.36	3.00	17.00	Pass	



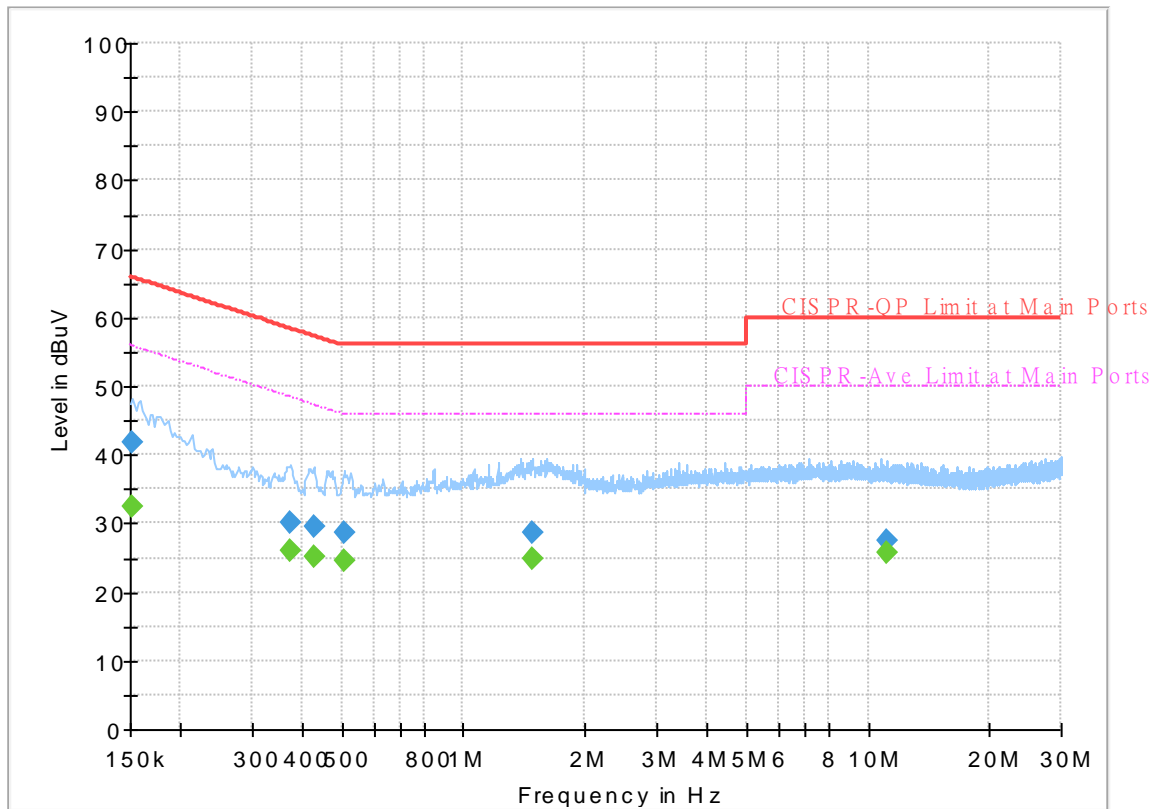
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



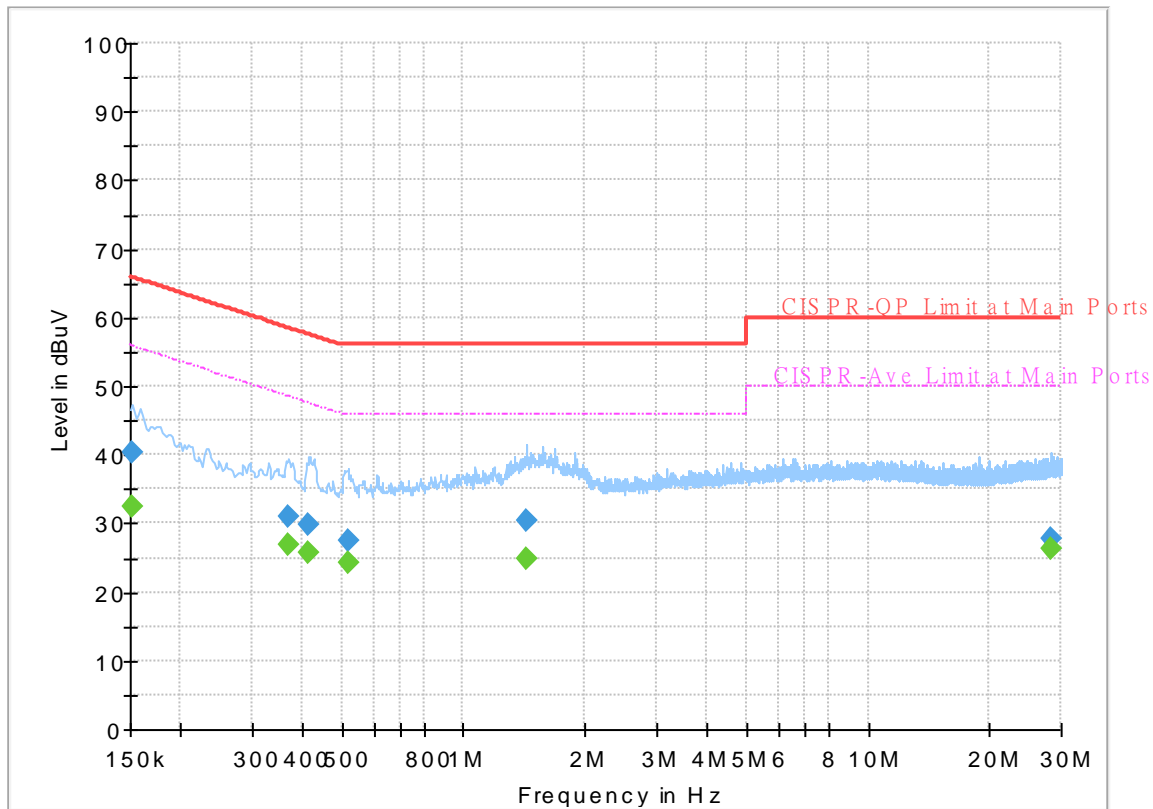
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.57	55.88	23.31	L1	OFF	19.6
0.152250	41.74	---	65.88	24.14	L1	OFF	19.6
0.375000	---	25.91	48.39	22.48	L1	OFF	19.6
0.375000	30.07	---	58.39	28.32	L1	OFF	19.6
0.426750	---	25.14	47.32	22.18	L1	OFF	19.6
0.426750	29.56	---	57.32	27.76	L1	OFF	19.6
0.507750	---	24.66	46.00	21.34	L1	OFF	19.6
0.507750	28.76	---	56.00	27.24	L1	OFF	19.6
1.477500	---	24.76	46.00	21.24	L1	OFF	19.7
1.477500	28.68	---	56.00	27.32	L1	OFF	19.7
11.089500	---	25.62	50.00	24.38	L1	OFF	20.1
11.089500	27.34	---	60.00	32.66	L1	OFF	20.1

EUT Information

Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.41	55.88	23.47	N	OFF	19.6
0.152250	40.41	---	65.88	25.47	N	OFF	19.6
0.370500	---	26.84	48.49	21.65	N	OFF	19.6
0.370500	30.89	---	58.49	27.60	N	OFF	19.6
0.415500	---	25.68	47.54	21.86	N	OFF	19.6
0.415500	29.69	---	57.54	27.85	N	OFF	19.6
0.519000	---	24.36	46.00	21.64	N	OFF	19.6
0.519000	27.56	---	56.00	28.44	N	OFF	19.6
1.430250	---	24.94	46.00	21.06	N	OFF	19.7
1.430250	30.33	---	56.00	25.67	N	OFF	19.7
28.369500	---	26.25	50.00	23.75	N	OFF	20.8
28.369500	27.86	---	60.00	32.14	N	OFF	20.8



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	22.1~25.9°C
		Relative Humidity :	57.2~64%

Band 5 - 5925~6425MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 01 5955MHz		5916.98	61.2	-27	88.2	48.79	35.17	12.5	35.26	100	299	P	H	
		5922.3	50.44	-17.76	68.2	38.03	35.16	12.51	35.26	100	299	A	H	
	*	5955	108.69	-	-	96.33	35.1	12.55	35.29	100	299	P	H	
	*	5955	102	-	-	89.64	35.1	12.55	35.29	100	299	A	H	
													H	
														H
			5921.74	59.44	-28.76	88.2	47.03	35.16	12.51	35.26	300	153	P	V
			5922.16	51.67	-16.53	68.2	39.26	35.16	12.51	35.26	300	153	A	V
	*		5955	109.82	-	-	97.46	35.1	12.55	35.29	300	153	P	V
	*		5955	103.18	-	-	90.82	35.1	12.55	35.29	300	153	A	V
														V
														V
802.11a CH 49 6195MHz		5880.8	49.65	-38.55	88.2	37.22	35.2	12.45	35.22	100	113	P	H	
		5923.4	42.16	-26.04	68.2	29.76	35.15	12.51	35.26	100	113	A	H	
	*	6195	107.56	-	-	94.36	35.59	12.82	35.21	100	113	P	H	
	*	6195	101.53	-	-	88.33	35.59	12.82	35.21	100	113	A	H	
													H	
														H
			5858.6	50.04	-38.16	88.2	37.63	35.2	12.41	35.2	300	35	P	V
			5907.2	42.03	-26.17	68.2	29.6	35.19	12.49	35.25	300	35	P	V
	*		6195	108.49	-	-	95.29	35.59	12.82	35.21	300	35	P	V
	*		6195	103.58	-	-	90.38	35.59	12.82	35.21	300	35	A	V
														V
														V



802.11a CH 93 6415MHz		5919.8	50.07	-38.13	88.2	37.67	35.16	12.5	35.26	100	116	P	H
		5893.4	41.94	-26.26	68.2	29.5	35.2	12.47	35.23	100	116	A	H
	*	6415	108.84	-	-	95.58	35.57	13.04	35.35	100	116	P	H
	*	6415	101.69	-	-	88.43	35.57	13.04	35.35	100	116	A	H
													H
													H
		5885	50.45	-37.75	88.2	38.02	35.2	12.45	35.22	300	35	P	V
		5921	41.82	-26.38	68.2	29.41	35.16	12.51	35.26	300	35	A	V
	*	6415	109.41	-	-	96.15	35.57	13.04	35.35	300	35	P	V
	*	6415	102.41	-	-	89.15	35.57	13.04	35.35	300	35	A	V
													V
													V
Remark	<ol style="list-style-type: none"> 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 												



Band 5 5925~6425MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 01 5955MHz		11910	45.11	-28.89	74	43.9	38.52	18.98	56.29	-	-	P	H	
		13344	45.9	-28.1	74	44.34	39.11	20.39	57.94	-	-	P	H	
		14488	47.75	-26.25	74	44.36	39.58	21.33	57.52	-	-	P	H	
		16168	47.97	-26.03	74	40.68	41.2	22.19	56.1	-	-	P	H	
		17865	50.13	-23.87	74	40.3	41.47	23.47	55.11	-	-	P	H	
		17865	40.33	-13.67	54	30.5	41.47	23.47	55.11	-	-	A	H	
														H
														H
														H
														H
														H
														H
			11910	44.69	-29.31	74	43.48	38.52	18.98	56.29	-	-	P	V
			13336	45.81	-28.19	74	44.25	39.13	20.37	57.94	-	-	P	V
			14488	47.57	-26.43	74	44.18	39.58	21.33	57.52	-	-	P	V
			15600	47.6	-26.4	74	42.21	40.2	21.84	56.65	-	-	P	V
			17865	50.93	-23.07	74	41.1	41.47	23.47	55.11	-	-	P	V
			17865	41.18	-12.82	54	31.35	41.47	23.47	55.11	-	-	A	V
													V	
													V	
													V	
													V	
													V	
													V	



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 49 6195MHz		12390	45.55	-28.45	74	43.77	38.98	19.41	56.61	-	-	P	H	
		14499	47.68	-26.32	74	44.26	39.6	21.34	57.52	-	-	P	H	
		16152	48.08	-25.92	74	40.79	41.2	22.18	56.09	-	-	P	H	
		17800	50.59	-23.41	74	40.72	41.6	23.41	55.14	-	-	P	H	
		17800	40.7	-13.3	54	30.83	41.6	23.41	55.14	-	-	A	H	
		18585	35.36	-38.64	74	50.77	37.87	6.44	59.72	-	-	P	H	
														H
														H
														H
														H
														H
														H
			12390	45.81	-28.19	74	44.03	38.98	19.41	56.61	-	-	P	V
			14499	47.18	-26.82	74	43.76	39.6	21.34	57.52	-	-	P	V
			15952	47.81	-26.19	74	40.89	40.95	22.04	56.07	-	-	P	V
			17720	51.2	-22.8	74	41.51	41.52	23.35	55.18	-	-	P	V
			17720	41.18	-12.82	54	31.49	41.52	23.35	55.18	-	-	A	V
			18585	37.05	-36.95	74	52.46	37.87	6.44	59.72	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 93 6415MHz		12830	46.15	-42.05	88.2	44.61	39.23	19.81	57.5	-	-	P	H	
		14499	47.69	-26.31	74	44.27	39.6	21.34	57.52	-	-	P	H	
		16112	47.67	-26.33	74	40.38	41.2	22.15	56.06	-	-	P	H	
		17768	50.57	-23.43	74	40.77	41.57	23.39	55.16	-	-	P	H	
		17768	40.72	-13.28	54	30.92	41.57	23.39	55.16	-	-	A	H	
		19245	35.31	-38.69	74	50.48	37.9	6.73	59.8	-	-	P	H	
														H
														H
														H
														H
														H
														H
			12830	47.37	-40.83	88.2	45.83	39.23	19.81	57.5	-	-	P	V
			14499	47.44	-26.56	74	44.02	39.6	21.34	57.52	-	-	P	V
			16168	47.4	-26.6	74	40.11	41.2	22.19	56.1	-	-	P	V
			17744	51.16	-22.84	74	41.42	41.54	23.37	55.17	-	-	P	V
			17744	41.44	-12.56	54	31.7	41.54	23.37	55.17	-	-	A	V
			19245	36.26	-37.74	74	51.43	37.9	6.73	59.8	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 5 5925~6425MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 01 5955MHz		5923.42	65.63	-22.57	88.2	53.23	35.15	12.51	35.26	100	303	P	H	
		5923.98	55.36	-12.84	68.2	42.96	35.15	12.51	35.26	100	303	A	H	
	*	5955	108	-	-	95.64	35.1	12.55	35.29	100	303	P	H	
	*	5955	100.21	-	-	87.85	35.1	12.55	35.29	100	303	A	H	
													H	
														H
			5921.88	63.48	-24.72	88.2	51.07	35.16	12.51	35.26	400	21	P	V
			5924.82	56.11	-12.09	68.2	43.71	35.15	12.51	35.26	400	21	A	V
	*		5955	109.2	-	-	96.84	35.1	12.55	35.29	400	21	P	V
	*		5955	101.1	-	-	88.74	35.1	12.55	35.29	400	21	A	V
													V	
													V	



802.11ax HE20 Full CH 49 6195MHz		5870	51.98	-36.22	88.2	39.56	35.2	12.43	35.21	100	113	P	H
		5923.4	41.81	-26.39	68.2	29.41	35.15	12.51	35.26	100	113	A	H
	*	6195.6	105.57	-	-	92.36	35.59	12.83	35.21	100	113	P	H
	*	6195.6	99.52	-	-	86.31	35.59	12.83	35.21	100	113	A	H
													H
													H
		5843.6	50.81	-37.39	88.2	38.4	35.2	12.39	35.18	300	35	P	V
		5923.4	41.75	-26.45	68.2	29.35	35.15	12.51	35.26	300	35	A	V
	*	6195	109.14	-	-	95.94	35.59	12.82	35.21	300	35	P	V
	*	6195	101.47	-	-	88.27	35.59	12.82	35.21	300	35	A	V
												V	
												V	
802.11ax HE20 Full CH 93 6415MHz		5846	51.12	-37.08	88.2	38.71	35.2	12.4	35.19	100	116	P	H
		5916.2	41.73	-26.47	68.2	29.32	35.17	12.5	35.26	100	116	A	H
	*	6415	108.72	-	-	95.46	35.57	13.04	35.35	100	116	P	H
	*	6415	100.24	-	-	86.98	35.57	13.04	35.35	100	116	A	H
													H
													H
		5877.2	51.09	-37.11	88.2	38.67	35.2	12.44	35.22	300	35	P	V
		5922.2	41.72	-26.48	68.2	29.31	35.16	12.51	35.26	300	35	A	V
	*	6415	108.91	-	-	95.65	35.57	13.04	35.35	300	35	P	V
	*	6415	101.87	-	-	88.61	35.57	13.04	35.35	300	35	A	V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 01 5955MHz		11910	44.51	-29.49	74	43.3	38.52	18.98	56.29	-	-	P	H	
		13336	45.33	-28.67	74	43.77	39.13	20.37	57.94	-	-	P	H	
		14488	47.82	-26.18	74	44.43	39.58	21.33	57.52	-	-	P	H	
		16152	47.37	-26.63	74	40.08	41.2	22.18	56.09	-	-	P	H	
		17865	50.75	-23.25	74	40.92	41.47	23.47	55.11	-	-	P	H	
		17865	40.26	-13.74	54	30.43	41.47	23.47	55.11	-	-	A	H	
														H
														H
														H
														H
														H
														H
														H
														H
														H
			11910	45.29	-28.71	74	44.08	38.52	18.98	56.29	-	-	P	V
			13336	45.78	-28.22	74	44.22	39.13	20.37	57.94	-	-	P	V
			14488	47.03	-26.97	74	43.64	39.58	21.33	57.52	-	-	P	V
		15672	47.92	-26.08	74	42.23	40.34	21.88	56.53	-	-	P	V	
		17865	49.8	-24.2	74	39.97	41.47	23.47	55.11	-	-	P	V	
		17865	39.93	-14.07	54	30.1	41.47	23.47	55.11	-	-	A	V	
													V	
													V	
													V	
													V	
													V	
													V	



Band 5 5925~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 03 5965MHz		5918.1	73.59	-14.61	88.2	61.19	35.16	12.5	35.26	100	302	P	H	
		5924.96	66.19	-2.01	68.2	53.79	35.15	12.51	35.26	100	302	A	H	
	*	5965	106.06	-	-	93.7	35.1	12.57	35.31	100	302	P	H	
	*	5965	96.87	-	-	84.51	35.1	12.57	35.31	100	302	A	H	
													H	
														H
			5924.26	72.19	-16.01	88.2	59.79	35.15	12.51	35.26	395	20	P	V
			5924.82	64.31	-3.89	68.2	51.91	35.15	12.51	35.26	395	20	A	V
		*	5965	107.6	-	-	95.24	35.1	12.57	35.31	395	20	P	V
		*	5965	97.41	-	-	85.05	35.1	12.57	35.31	395	20	A	V
													V	
													V	



802.11ax HE40 Full CH 51 6205MHz		5920.4	50.58	-37.62	88.2	38.18	35.16	12.5	35.26	100	114	P	H
		5918.6	42	-26.2	68.2	29.6	35.16	12.5	35.26	100	114	A	H
	*	6205	104.8	-	-	91.59	35.59	12.83	35.21	100	114	P	H
	*	6205	96.74	-	-	83.53	35.59	12.83	35.21	100	114	A	H
													H
													H
		5895.8	50.67	-37.53	88.2	38.24	35.2	12.47	35.24	300	31	P	V
		5918.6	42.05	-26.15	68.2	29.65	35.16	12.5	35.26	300	31	A	V
	*	6205	106.29	-	-	93.08	35.59	12.83	35.21	300	31	P	V
	*	6205	98.71	-	-	85.5	35.59	12.83	35.21	300	31	A	V
													V
													V
802.11ax HE40 Full CH 91 6405MHz		5825	50.01	-38.19	88.2	37.61	35.2	12.37	35.17	100	116	P	H
		5922.2	41.9	-26.3	68.2	29.49	35.16	12.51	35.26	100	116	A	H
	*	6405	105.85	-	-	92.58	35.59	13.02	35.34	100	116	P	H
	*	6405	97.63	-	-	84.36	35.59	13.02	35.34	100	116	A	H
													H
													H
		5895.8	50.52	-37.68	88.2	38.09	35.2	12.47	35.24	284	34	P	V
		5912.6	41.69	-26.51	68.2	29.28	35.17	12.49	35.25	284	34	A	V
	*	6405	107.84	-	-	94.57	35.59	13.02	35.34	284	34	P	V
	*	6405	99.37	-	-	86.1	35.59	13.02	35.34	284	34	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 03 5965MHz		11930	44.64	-29.36	74	43.35	38.56	19	56.27	-	-	P	H	
		13336	45.12	-28.88	74	43.56	39.13	20.37	57.94	-	-	P	H	
		14488	47.88	-26.12	74	44.49	39.58	21.33	57.52	-	-	P	H	
		16056	47.6	-26.4	74	40.42	41.11	22.1	56.03	-	-	P	H	
		17895	49.34	-24.66	74	39.54	41.41	23.49	55.1	-	-	P	H	
		17895	39.49	-14.51	54	29.69	41.41	23.49	55.1	-	-	A	H	
														H
														H
														H
														H
														H
														H
														H
														H
														H
			11930	45.29	-28.71	74	44	38.56	19	56.27	-	-	P	V
			13336	45.13	-28.87	74	43.57	39.13	20.37	57.94	-	-	P	V
			14488	47.73	-26.27	74	44.34	39.58	21.33	57.52	-	-	P	V
		16152	47.79	-26.21	74	40.5	41.2	22.18	56.09	-	-	P	V	
		17895	49.23	-24.77	74	39.43	41.41	23.49	55.1	-	-	P	V	
		17895	39.72	-14.28	54	29.92	41.41	23.49	55.1	-	-	A	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	



Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE80 Full CH 07 5985MHz		5918.76	73.22	-14.98	88.2	60.82	35.16	12.5	35.26	100	302	P	H	
		5923.72	65.28	-2.92	68.2	52.88	35.15	12.51	35.26	100	302	A	H	
	*	5985	101.34	-	-	88.97	35.1	12.6	35.33	100	302	P	H	
	*	5985	93.84	-	-	81.47	35.1	12.6	35.33	100	302	A	H	
													H	
													H	
			5923.88	71.22	-16.98	88.2	58.82	35.15	12.51	35.26	362	20	P	V
			5922.6	64.21	-3.99	68.2	51.81	35.15	12.51	35.26	362	20	A	V
		*	5985	100.57	-	-	88.2	35.1	12.6	35.33	362	20	P	V
		*	5985	92.92	-	-	80.55	35.1	12.6	35.33	362	20	A	V
													V	
													V	



802.11ax HE80 Full CH 55 6225MHz		5900.28	50.89	-37.31	88.2	38.45	35.2	12.48	35.24	100	117	P	H
		5888.4	43.44	-24.76	68.2	31.01	35.2	12.46	35.23	100	117	A	H
	*	6225	104.48	-	-	91.31	35.55	12.85	35.23	100	117	P	H
	*	6225	94.68	-	-	81.51	35.55	12.85	35.23	100	117	A	H
													H
													H
		5899.92	51.15	-37.05	88.2	38.72	35.2	12.47	35.24	300	36	P	V
		5919.72	43.22	-24.98	68.2	30.82	35.16	12.5	35.26	300	36	A	V
	*	6225	104	-	-	90.83	35.55	12.85	35.23	300	36	P	V
	*	6225	96.65	-	-	83.48	35.55	12.85	35.23	300	36	A	V
													V
													V
802.11ax HE80 Full CH 87 6385MHz		5907.12	50.55	-37.65	88.2	38.12	35.19	12.49	35.25	100	118	P	H
		5913.88	42.85	-25.35	68.2	30.43	35.17	12.5	35.25	100	118	A	H
	*	6385	104.62	-	-	91.38	35.57	13	35.33	100	118	P	H
	*	6385	96.32	-	-	83.08	35.57	13	35.33	100	118	A	H
													H
													H
		5918.56	51.53	-36.67	88.2	39.13	35.16	12.5	35.26	300	43	P	V
		5905.04	42.92	-25.28	68.2	30.5	35.19	12.48	35.25	300	43	A	V
	*	6385	106.55	-	-	93.31	35.57	13	35.33	300	43	P	V
	*	6385	97	-	-	83.76	35.57	13	35.33	300	43	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE80 Full CH 07 5985MHz		11970	44.21	-29.79	74	42.75	38.64	19.03	56.21	-	-	P	H	
		13320	45.86	-28.14	74	44.28	39.16	20.35	57.93	-	-	P	H	
		14488	47.13	-26.87	74	43.74	39.58	21.33	57.52	-	-	P	H	
		16032	47.3	-26.7	74	40.17	41.06	22.08	56.01	-	-	P	H	
		17955	49.07	-24.93	74	39.15	41.46	23.53	55.07	-	-	P	H	
		17955	39.24	-14.76	54	29.32	41.46	23.53	55.07	-	-	A	H	
														H
														H
														H
														H
														H
														H
														H
														H
														H
			11970	44.54	-29.46	74	43.08	38.64	19.03	56.21	-	-	P	V
			13296	46.36	-27.64	74	44.78	39.19	20.32	57.93	-	-	P	V
			14488	47.05	-26.95	74	43.66	39.58	21.33	57.52	-	-	P	V
		15880	47.45	-26.55	74	40.79	40.86	21.99	56.19	-	-	P	V	
		17955	49.16	-24.84	74	39.24	41.46	23.53	55.07	-	-	P	V	
		17955	39.6	-14.4	54	29.68	41.46	23.53	55.07	-	-	A	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	



Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE160 Full CH 15 6025MHz		5896.04	72.26	-15.94	88.2	59.83	35.2	12.47	35.24	100	305	P	H	
		5916.52	65.07	-3.13	68.2	52.66	35.17	12.5	35.26	100	305	A	H	
	*	6025	99.66	-	-	87.23	35.1	12.65	35.32	100	305	P	H	
	*	6025	91.22	-	-	78.79	35.1	12.65	35.32	100	305	A	H	
													H	
														H
			5907.56	72.24	-15.96	88.2	59.82	35.18	12.49	35.25	400	30	P	V
			5916.52	64.08	-4.12	68.2	51.67	35.17	12.5	35.26	400	30	A	V
		*	6025	98.89	-	-	86.46	35.1	12.65	35.32	400	30	P	V
		*	6025	90.95	-	-	78.52	35.1	12.65	35.32	400	30	A	V
													V	
													V	
802.11ax HE160 Full CH 47 6185MHz		5915.48	56.73	-31.47	88.2	44.32	35.17	12.5	35.26	100	116	P	H	
		5919.4	48.7	-19.5	68.2	36.3	35.16	12.5	35.26	100	116	A	H	
	*	6185	100.31	-	-	87.15	35.57	12.81	35.22	100	116	P	H	
	*	6185	93.13	-	-	79.97	35.57	12.81	35.22	100	116	A	H	
													H	
														H
			5908.76	56.04	-32.16	88.2	43.62	35.18	12.49	35.25	300	34	P	V
			5913.8	46.77	-21.43	68.2	34.35	35.17	12.5	35.25	300	34	A	V
		*	6185	101.45	-	-	88.29	35.57	12.81	35.22	300	34	P	V
		*	6185	93.57	-	-	80.41	35.57	12.81	35.22	300	34	A	V
													V	
													V	



802.11ax HE160 Full CH 79 6345MHz		5814.12	51.34	-36.86	88.2	38.94	35.2	12.35	35.15	100	119	P	H
		5924.44	43.72	-24.48	68.2	31.32	35.15	12.51	35.26	100	119	A	H
	*	6345	100.12	-	-	86.95	35.51	12.96	35.3	100	119	P	H
	*	6345	93.34	-	-	80.17	35.51	12.96	35.3	100	119	A	H
													H
													H
		5861.16	50.72	-37.48	88.2	38.3	35.2	12.42	35.2	300	42	P	V
		5904.28	42.9	-25.3	68.2	30.47	35.19	12.48	35.24	300	42	A	V
	*	6345	101.5	-	-	88.33	35.51	12.96	35.3	300	42	P	V
	*	6345	93.71	-	-	80.54	35.51	12.96	35.3	300	42	A	V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE160 Full CH 15 6025MHz		12050	44.47	-29.53	74	42.8	38.8	19.1	56.23	-	-	P	H	
		14499	47.28	-26.72	74	43.86	39.6	21.34	57.52	-	-	P	H	
		15656	47.83	-26.17	74	42.2	40.31	21.87	56.55	-	-	P	H	
		17784	50.81	-23.19	74	40.98	41.58	23.4	55.15	-	-	P	H	
		17784	40.65	-13.35	54	30.82	41.58	23.4	55.15	-	-	A	H	
		18075	35.41	-38.59	74	51.26	37.54	6.22	59.61	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
														H
														H
			12050	45.29	-28.71	74	43.62	38.8	19.1	56.23	-	-	P	V
			14499	47.9	-26.1	74	44.48	39.6	21.34	57.52	-	-	P	V
			16064	47.58	-26.42	74	40.37	41.13	22.11	56.03	-	-	P	V
		17720	50.64	-23.36	74	40.95	41.52	23.35	55.18	-	-	P	V	
		17720	40.62	-13.38	54	30.93	41.52	23.35	55.18	-	-	A	V	
		18075	34.3	-39.7	74	50.15	37.54	6.22	59.61	-	-	P	V	
													V	
													V	
													V	
													V	
													V	
													V	



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE160 Full CH 79 6345MHz		12690	45.43	-28.57	74	43.73	39.19	19.68	57.17	-	-	P	H	
		14499	47.52	-26.48	74	44.1	39.6	21.34	57.52	-	-	P	H	
		15680	47.35	-26.65	74	41.62	40.36	21.88	56.51	-	-	P	H	
		17808	50.36	-23.64	74	40.5	41.58	23.42	55.14	-	-	P	H	
		17808	40.26	-13.74	54	30.4	41.58	23.42	55.14	-	-	A	H	
		19035	36.78	-37.22	74	52.12	37.82	6.64	59.8	-	-	P	H	
														H
														H
														H
														H
														H
														H
			12690	45.37	-28.63	74	43.67	39.19	19.68	57.17	-	-	P	V
			14499	47.43	-26.57	74	44.01	39.6	21.34	57.52	-	-	P	V
			16064	47.48	-26.52	74	40.27	41.13	22.11	56.03	-	-	P	V
			17776	50.48	-23.52	74	40.65	41.58	23.4	55.15	-	-	P	V
			17776	40.33	-13.67	54	30.5	41.58	23.4	55.15	-	-	A	V
			19035	35.47	-38.53	74	50.81	37.82	6.64	59.8	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 7 - 6525~6875MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 117 6535MHz		13070	46.08	-42.12	88.2	44.87	39.06	20.05	57.9	-	-	P	H	
		14488	47.63	-26.37	74	44.24	39.58	21.33	57.52	-	-	P	H	
		15888	47.96	-26.04	74	41.26	40.88	21.99	56.17	-	-	P	H	
		17912	50.58	-23.42	74	40.77	41.41	23.49	55.09	-	-	P	H	
		17912	40.14	-13.86	54	30.33	41.41	23.49	55.09	-	-	A	H	
		19605	36.05	-37.95	74	51.44	37.54	6.89	59.82	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			13070	50.22	-37.98	88.2	49.01	39.06	20.05	57.9	-	-	P	V
			14488	47.58	-26.42	74	44.19	39.58	21.33	57.52	-	-	P	V
			15880	48.99	-25.01	74	42.33	40.86	21.99	56.19	-	-	P	V
			15880	38.31	-15.69	54	31.65	40.86	21.99	56.19	-	-	A	V
			17808	50.39	-23.61	74	40.53	41.58	23.42	55.14	-	-	P	V
		17808	40.68	-13.32	54	30.82	41.58	23.42	55.14	-	-	A	V	
		19605	36.83	-37.17	74	52.22	37.54	6.89	59.82	-	-	P	V	
													V	
													V	
													V	
													V	
													V	



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 149 6695MHz		13390	45.22	-28.78	74	43.7	39.02	20.44	57.94	-	-	P	H	
		14488	47.14	-26.86	74	43.75	39.58	21.33	57.52	-	-	P	H	
		16056	48.49	-25.51	74	41.31	41.11	22.1	56.03	-	-	P	H	
		16056	37.75	-16.25	54	30.57	41.11	22.1	56.03	-	-	A	H	
		17776	50.29	-23.71	74	40.46	41.58	23.4	55.15	-	-	P	H	
		17776	39.97	-14.03	54	30.14	41.58	23.4	55.15	-	-	A	H	
		20085	37.64	-36.36	74	52.82	37.64	7.1	59.92	-	-	P	H	
														H
														H
														H
														H
														H
			13390	51.22	-22.78	74	49.7	39.02	20.44	57.94	104	109	P	V
			13390	42.73	-11.27	54	41.21	39.02	20.44	57.94	104	109	A	V
			14480	47.39	-26.61	74	44.03	39.56	21.33	57.53	-	-	P	V
			16168	48.35	-25.65	74	41.06	41.2	22.19	56.1	-	-	P	V
			16168	38.22	-15.78	54	30.93	41.2	22.19	56.1	-	-	A	V
			17816	51.11	-22.89	74	41.24	41.57	23.43	55.13	-	-	P	V
			17816	40.75	-13.25	54	30.88	41.57	23.43	55.13	-	-	A	V
			20085	40.71	-33.29	74	55.89	37.64	7.1	59.92	-	-	P	V
													V	
													V	
													V	
													V	



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 181 6855MHz		13710	45.85	-42.35	88.2	44.09	38.78	20.82	57.84	-	-	P	H	
		14488	47.95	-26.05	74	44.56	39.58	21.33	57.52	-	-	P	H	
		15744	48.37	-25.63	74	42.33	40.53	21.92	56.41	-	-	P	H	
		15744	38.36	-15.64	54	32.32	40.53	21.92	56.41	-	-	A	H	
		17792	50.15	-23.85	74	40.3	41.59	23.41	55.15	-	-	P	H	
		17792	40.95	-13.05	54	31.1	41.59	23.41	55.15	-	-	A	H	
		20565	37.17	-36.83	74	51.97	37.9	7.3	60	-	-	P	H	
														H
														H
														H
														H
														H
			13710	45.96	-42.24	88.2	44.2	38.78	20.82	57.84	-	-	P	V
			14488	47.94	-26.06	74	44.55	39.58	21.33	57.52	-	-	P	V
			15688	48.24	-25.76	74	42.47	40.38	21.89	56.5	-	-	P	V
			15688	38.09	-15.91	54	32.32	40.38	21.89	56.5	-	-	A	V
			17800	50.87	-23.13	74	41	41.6	23.41	55.14	-	-	P	V
			17800	40.19	-13.81	54	30.32	41.6	23.41	55.14	-	-	A	V
			20565	39.46	-34.54	74	54.26	37.9	7.3	60	-	-	P	V
														V
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 7 - 6525~6875MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13070	45.78	-42.42	88.2	44.57	39.06	20.05	57.9	-	-	P	H
		14488	47.32	-26.68	74	43.93	39.58	21.33	57.52	-	-	P	H
		15704	48.86	-25.14	74	43.03	40.41	21.9	56.48	-	-	P	H
		15704	38.11	-15.89	54	32.28	40.41	21.9	56.48	-	-	A	H
		17824	50.37	-23.63	74	40.52	41.55	23.43	55.13	-	-	P	H
		17824	40.52	-13.48	54	30.67	41.55	23.43	55.13	-	-	A	H
		19605	35.46	-38.54	74	50.85	37.54	6.89	59.82	-	-	P	H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 117		13070	50.45	-37.75	88.2	49.24	39.06	20.05	57.9	-	-	P	V
6535MHz		14496	47.47	-26.53	74	44.06	39.59	21.34	57.52	-	-	P	V
		15688	48.63	-25.37	74	42.86	40.38	21.89	56.5	-	-	P	V
		15688	38.17	-15.83	54	32.4	40.38	21.89	56.5	-	-	A	V
		17840	50.82	-23.18	74	40.97	41.52	23.45	55.12	-	-	P	V
		17840	40.22	-13.78	54	30.37	41.52	23.45	55.12	-	-	A	V
		19605	35.97	-38.03	74	51.36	37.54	6.89	59.82	-	-	P	V
													V
													V
													V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE80 Full CH 151 6705MHz		13410	43.08	-45.12	88.2	41.57	39	20.46	57.95	-	-	P	H	
		14499	46.77	-27.23	74	43.35	39.6	21.34	57.52	-	-	P	H	
		15880	47.74	-26.26	74	41.08	40.86	21.99	56.19	-	-	P	H	
		17768	49.88	-24.12	74	40.08	41.57	23.39	55.16	-	-	P	H	
		20115	35.49	-38.51	74	50.65	37.65	7.11	59.92	-	-	P	H	
														H
														H
														H
														H
														H
		13410	43.02	-45.18	88.2	41.51	39	20.46	57.95	-	-	P	V	
		14499	46.14	-27.86	74	42.72	39.6	21.34	57.52	-	-	P	V	
		15952	46.91	-27.09	74	39.99	40.95	22.04	56.07	-	-	P	V	
		17872	49.84	-24.16	74	40.02	41.46	23.47	55.11	-	-	P	V	
		17872	40.67	-13.33	54	30.85	41.46	23.47	55.11	-	-	A	V	
		20115	35.5	-38.5	74	50.66	37.65	7.11	59.92	-	-	P	V	
													V	
													V	
													V	
													V	
													V	
													V	



Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ax HE40 Full LF		30	26.09	-13.91	40	30.65	24.51	1.01	30.08	-	-	P	H	
		98.85	31.54	-11.96	43.5	44.13	15.65	1.77	30.01	-	-	P	H	
		134.76	28.56	-14.94	43.5	39.13	17.39	2	29.96	-	-	P	H	
		641.6	29.02	-16.98	46	28.46	26.14	4.34	29.92	-	-	P	H	
		806.8	31.97	-14.03	46	28.8	27.66	5.04	29.53	-	-	P	H	
		948.9	34.23	-11.77	46	27.28	30.23	5.55	28.83	-	-	P	H	
														H
														H
														H
														H
														H
														H
			34.59	30.52	-9.48	40	37.32	22.24	0.96	30	-	-	P	V
			96.15	27.99	-15.51	43.5	40.9	15.37	1.74	30.02	-	-	P	V
			178.77	27.59	-15.91	43.5	40.25	14.93	2.42	30.01	-	-	P	V
			546.4	29.54	-16.46	46	31.18	24.33	4.03	30	-	-	P	V
			840.4	32.39	-13.61	46	28.2	28.42	5.11	29.34	-	-	P	V
			959.4	34.53	-11.47	46	27.06	30.67	5.58	28.78	-	-	P	V
													V	
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only. 													



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is margin limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
CH 01		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H
5955MHz													

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Margin(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -24.66(dB)

Both peak and average measured complies with the limit line, so test result is "PASS".



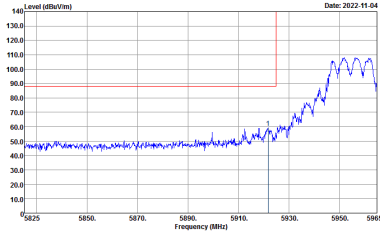
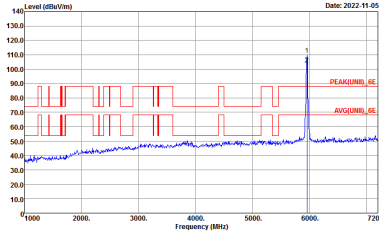
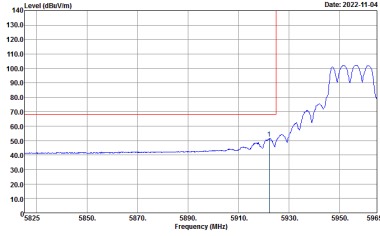
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	22.1~25.9°C
		Relative Humidity :	57.2~64%

Band 5 - 5925~6425MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Vertical. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5825 to 5965 MHz. A red line indicates a peak level of approximately 135 dBuV/m at 5955 MHz. The blue line shows the noise floor, which is around 40-50 dBuV/m until 5930 MHz, then rises to meet the peak level.</p> <p>Site : 03CH07-HY Condition : :PEAK_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7200 MHz. A red line indicates a peak level of approximately 135 dBuV/m at 5955 MHz. The blue line shows the noise floor, which is around 40-50 dBuV/m until 5930 MHz, then rises to meet the peak level.</p> <p>Site : 03CH07-HY Condition : :PEAK(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg. Vertical. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5825 to 5965 MHz. A red line indicates an average level of approximately 135 dBuV/m at 5955 MHz. The blue line shows the noise floor, which is around 40-50 dBuV/m until 5930 MHz, then rises to meet the average level.</p> <p>Site : 03CH07-HY Condition : :AVG_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



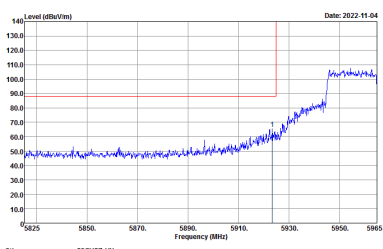
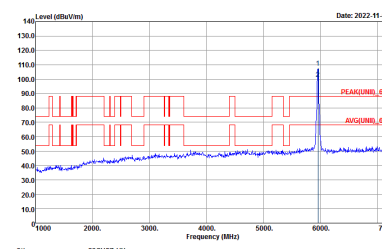
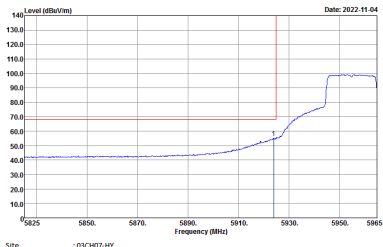
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<p>Avg.</p>	<p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	<p>Left blank</p>



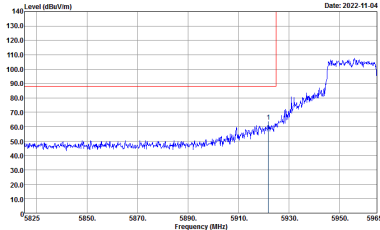
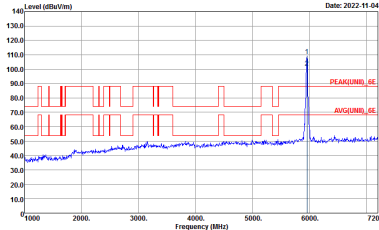
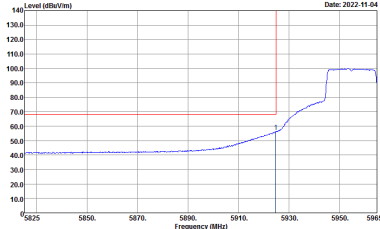
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank



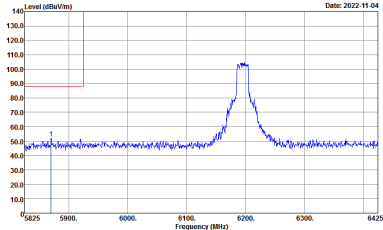
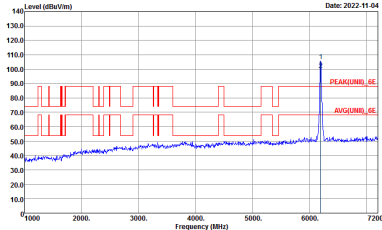
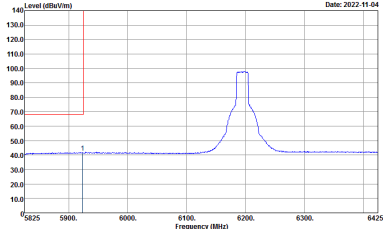
Band 5 5925~6425MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTA:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTA:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Vertical. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5825 to 5965 MHz. A red line indicates a peak level of approximately 135 dBuV/m at 5955 MHz. A blue line shows the noise floor, which is around 40-50 dBuV/m until 5930 MHz, then rises to meet the peak level.</p> <p>Site : 03CH07-HY Condition : :PEAK_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7200 MHz. A red line indicates a peak level of approximately 135 dBuV/m at 5955 MHz. A blue line shows the noise floor, which is around 40-50 dBuV/m until 5930 MHz, then rises to meet the peak level.</p> <p>Site : 03CH07-HY Condition : :PEAK(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg. Vertical. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5825 to 5965 MHz. A red line indicates an average level of approximately 135 dBuV/m at 5955 MHz. A blue line shows the average noise floor, which is around 40-50 dBuV/m until 5930 MHz, then rises to meet the average level.</p> <p>Site : 03CH07-HY Condition : :AVG_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank

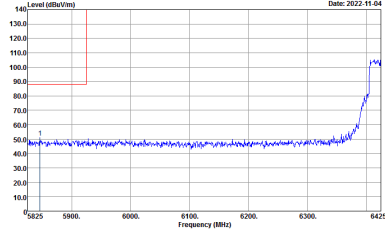
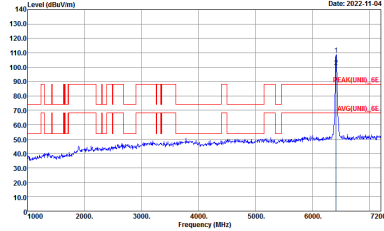
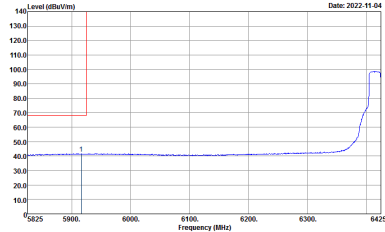


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6195 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5825 to 6425 MHz. A red line indicates the peak level at approximately 105 dBu/m.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6195 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7200 MHz. A red line indicates the peak level at approximately 105 dBu/m.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing the average signal at approximately 6195 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5825 to 6425 MHz. A red line indicates the average level at approximately 90 dBu/m.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	<p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank



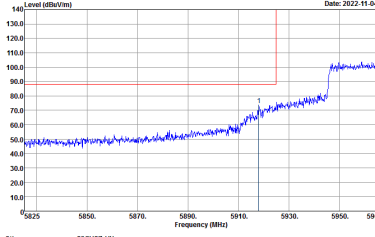
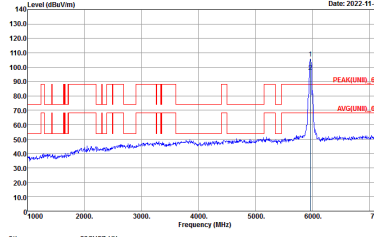
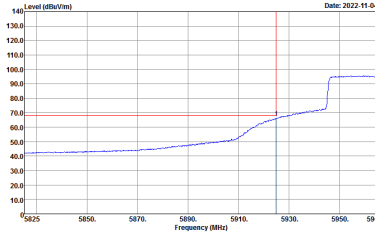
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Horizontal. The plot shows a flat noise floor around 40 dBuV/m from 5925 MHz to 6415 MHz, with a sharp rise to approximately 100 dBuV/m at the 6415 MHz band edge. A red vertical line is at 5925 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a flat noise floor around 40 dBuV/m from 1000 MHz to 6415 MHz, with a sharp rise to approximately 100 dBuV/m at the 6415 MHz band edge. A red vertical line is at 5925 MHz. Two red horizontal lines are labeled 'PEAK[UNII]_EE' and 'AVG[UNII]_EE'.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Horizontal. The plot shows a flat noise floor around 40 dBuV/m from 5925 MHz to 6415 MHz, with a sharp rise to approximately 100 dBuV/m at the 6415 MHz band edge. A red vertical line is at 5925 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank



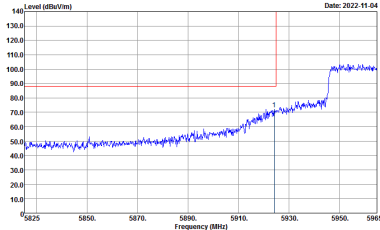
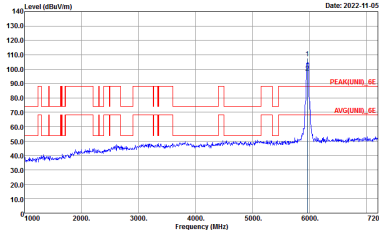
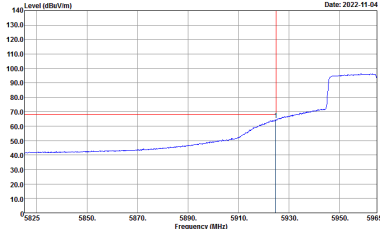
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	<p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank



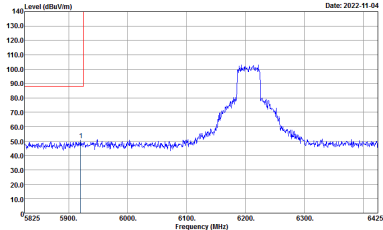
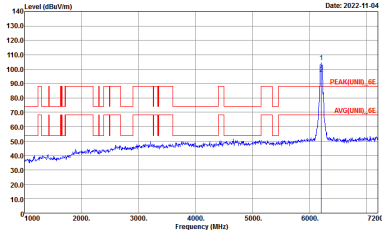
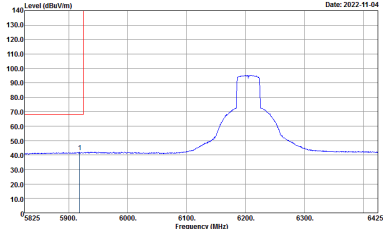
Band 5 5925~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(LIN1)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LIN1)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTA:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(LIN1)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTA:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a signal level that is relatively flat around 70 dBuV/m until approximately 5930 MHz, where it rises sharply to about 100 dBuV/m. The x-axis ranges from 5825 to 5965 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH07-HY Condition : :PEAK_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level that is relatively flat around 70 dBuV/m until approximately 5930 MHz, where it rises sharply to about 100 dBuV/m. The x-axis ranges from 1000 to 7200 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH07-HY Condition : :PEAK(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg. Vertical. The plot shows a signal level that is relatively flat around 70 dBuV/m until approximately 5930 MHz, where it rises sharply to about 100 dBuV/m. The x-axis ranges from 5825 to 5965 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.</p> <p>Site : 03CH07-HY Condition : :AVG_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank

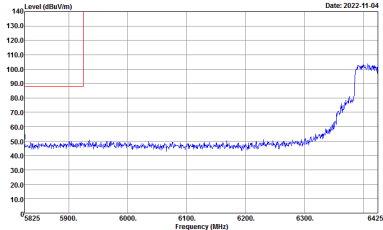
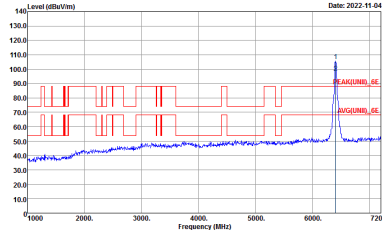
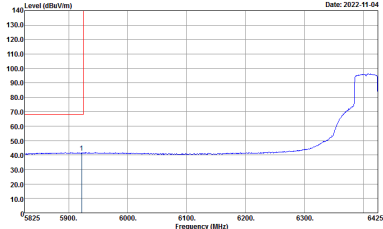


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6205 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5825 to 6425 MHz. A red vertical line is at 5900 MHz. The plot shows a blue signal with a peak at 6205 MHz. Below the plot, the following text is present: Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6205 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7200 MHz. A red vertical line is at 5900 MHz. The plot shows a blue signal with a peak at 6205 MHz and a red signal with a peak at 6205 MHz. Below the plot, the following text is present: Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average signal at approximately 6205 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5825 to 6425 MHz. A red vertical line is at 5900 MHz. The plot shows a blue signal with a peak at 6205 MHz. Below the plot, the following text is present: Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank

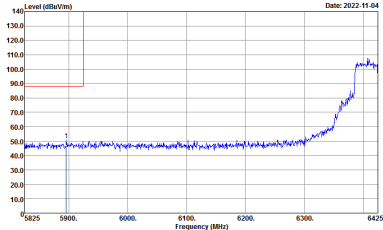
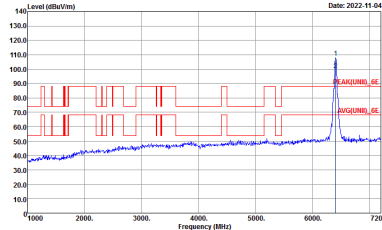
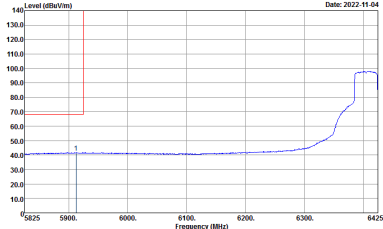


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	<p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank



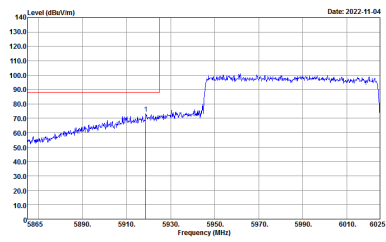
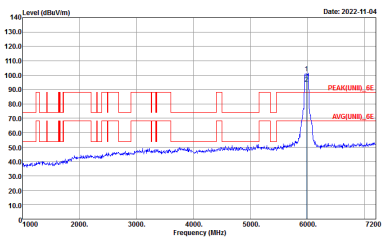
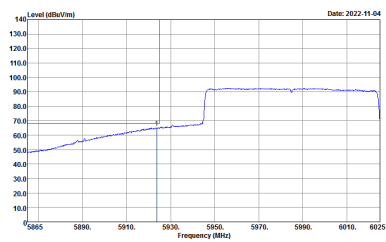
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6405 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5825 to 6425 MHz. A red vertical line marks the peak at 6405 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6405 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7200 MHz. A red vertical line marks the peak at 6405 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing the average signal. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5825 to 6425 MHz. A red vertical line marks the peak at 6405 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank



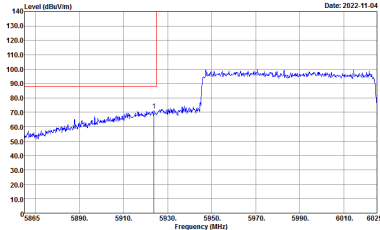
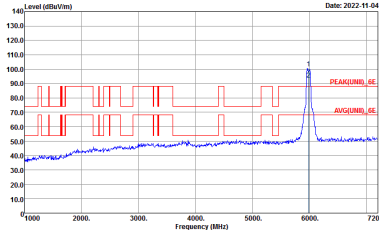
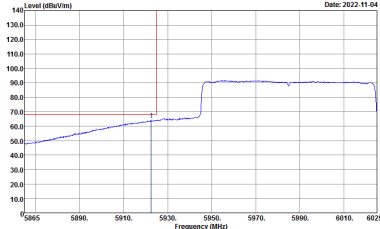
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Vertical. The x-axis ranges from 5825 to 6425 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m. A sharp peak is visible at approximately 6405 MHz, reaching a level of about 105 dBu/m. A red vertical line is drawn at 5900 MHz. The plot date is 2022-11-04.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWFAuto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The x-axis ranges from 1000 to 7200 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m. A sharp peak is visible at approximately 6405 MHz, reaching a level of about 105 dBu/m. A red vertical line is drawn at 5900 MHz. The plot date is 2022-11-04.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Avg. Vertical. The x-axis ranges from 5825 to 6425 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m. A sharp peak is visible at approximately 6405 MHz, reaching a level of about 105 dBu/m. A red vertical line is drawn at 5900 MHz. The plot date is 2022-11-04.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWFAuto</p>	Left blank



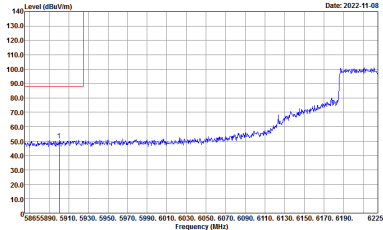
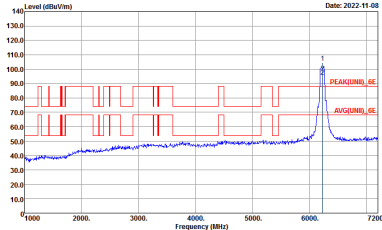
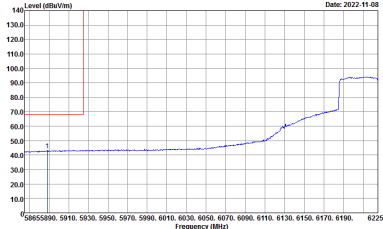
Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(LIN1)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LIN1)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(LIN1)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWTA:Auto</p>	Left blank

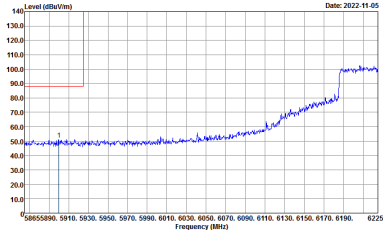
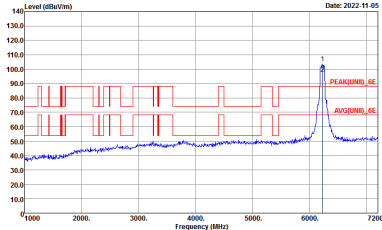
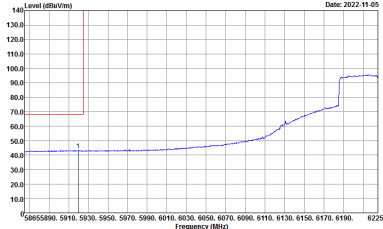


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a signal level that rises from approximately 50 dBu/m at 5885 MHz to about 90 dBu/m at 5930 MHz, then continues to rise to approximately 100 dBu/m by 5985 MHz. A red vertical line is present at 5930 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE(LIN1)_EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level that rises from approximately 40 dBu/m at 1000 MHz to about 80 dBu/m at 6000 MHz. A red vertical line is present at 6000 MHz. Labels 'PEAK(LIN)_EE' and 'AVG(LIN)_EE' are visible on the plot.</p> <p>Site : 03CH07-HY Condition : PEAK(LIN1)_EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Avg. Vertical. The plot shows a signal level that rises from approximately 50 dBu/m at 5885 MHz to about 90 dBu/m at 5930 MHz, then continues to rise to approximately 100 dBu/m by 5985 MHz. A red vertical line is present at 5930 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE(LIN1)_EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank

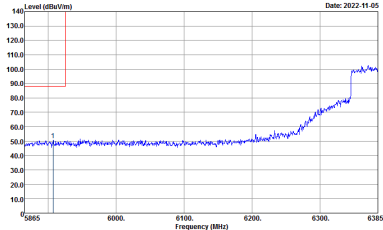
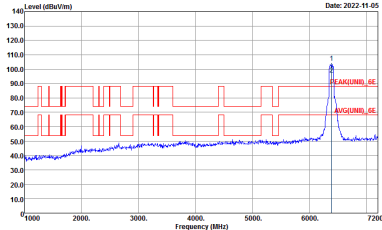
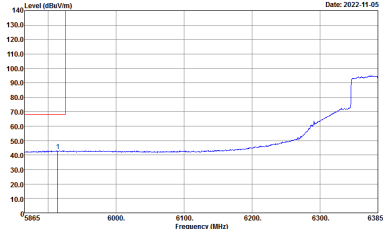


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5855.000 to 6225.000 MHz. A sharp peak is visible at approximately 5925 MHz. The plot is dated 2022-11-08.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7200 MHz. A sharp peak is visible at approximately 6425 MHz. The plot is dated 2022-11-08.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5855.000 to 6225.000 MHz. The plot shows a smooth, rising curve. The plot is dated 2022-11-08.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank

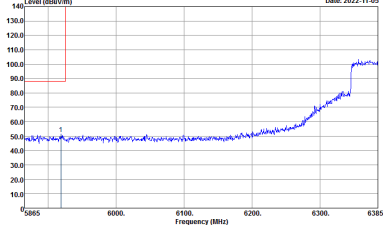
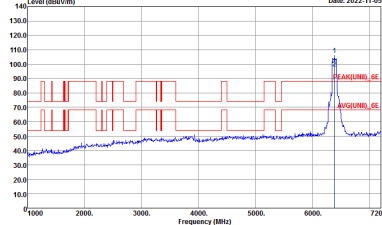
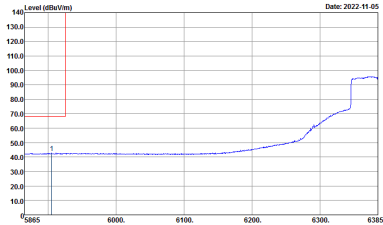


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 6225 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5855.890 to 6225 MHz. A red line indicates the peak level at approximately 135 dBuV/m.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 6225 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 7200 MHz. A red line indicates the peak level at approximately 135 dBuV/m. A blue line shows the average level.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average level across the frequency range. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5855.890 to 6225 MHz. A blue line shows the average level, which rises from approximately 40 dBuV/m at 5925 MHz to about 90 dBuV/m at 6225 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Horizontal. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5885 to 6385 MHz. A sharp peak is visible at approximately 5925 MHz. The plot shows a noisy baseline that rises towards the right edge of the band.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7200 MHz. A sharp peak is visible at approximately 6385 MHz. The plot shows a noisy baseline with a distinct peak at the right edge of the band.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Avg Horizontal. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5885 to 6385 MHz. The plot shows a smooth, rising curve representing the average signal level across the frequency band.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



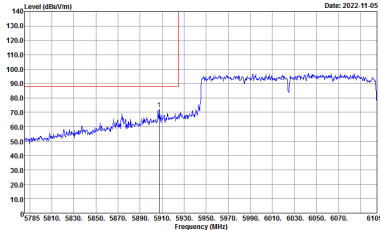
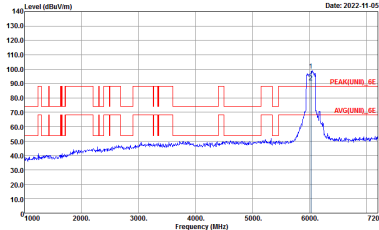
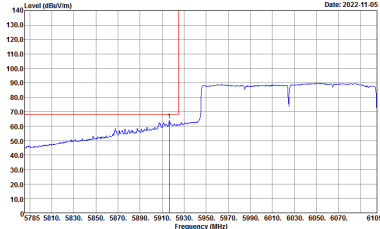
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a signal level starting around 50 dBu/m at 5925 MHz and rising to approximately 100 dBu/m at 6385 MHz. A red vertical line is present at the start of the band.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level starting around 50 dBu/m at 5925 MHz and rising to approximately 100 dBu/m at 6385 MHz. A red vertical line is present at the start of the band. A sharp peak is visible at approximately 6385 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Avg Vertical. The plot shows a signal level starting around 40 dBu/m at 5925 MHz and rising to approximately 100 dBu/m at 6385 MHz. A red vertical line is present at the start of the band.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



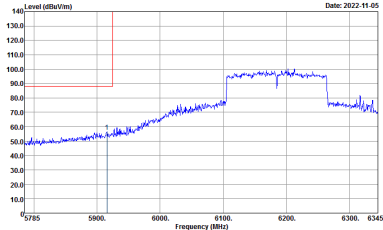
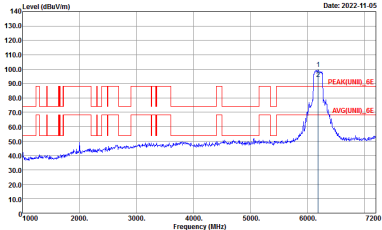
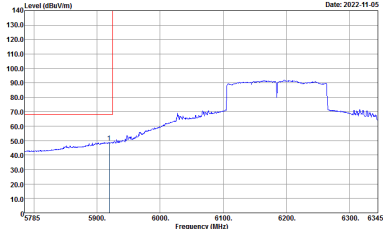
Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(UNII)_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWTA:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a sharp peak at approximately 5925 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5785 to 6105 MHz. A red line indicates the peak level at approximately 135 dBuV/m.</p> <p>Site : 03CH07-HY Condition : :PEAK_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 6025 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7200 MHz. A red line indicates the peak level at approximately 100 dBuV/m.</p> <p>Site : 03CH07-HY Condition : :PEAK(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average level across the band. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5785 to 6105 MHz. A red line indicates the average level at approximately 85 dBuV/m.</p> <p>Site : 03CH07-HY Condition : :AVG_BE(LIN1) _EE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank

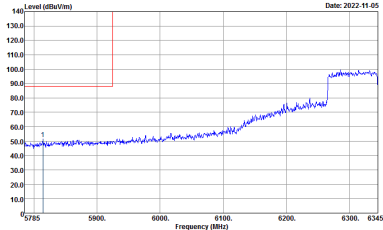
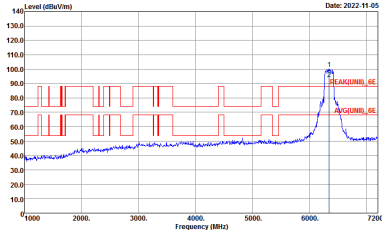
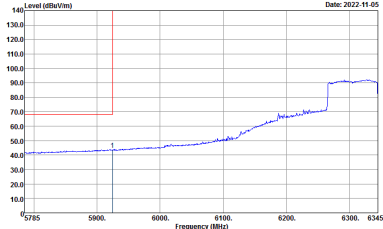


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6185 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5785 to 6345 MHz. A red vertical line marks the peak at 6185 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 6185 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7200 MHz. A red vertical line marks the peak at 6185 MHz. Labels 'PEAK[UNII]_EE' and 'AVG[UNII]_EE' are present.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5785 to 6345 MHz. A red vertical line marks the peak at 6185 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_EE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank

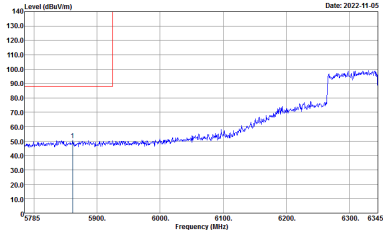
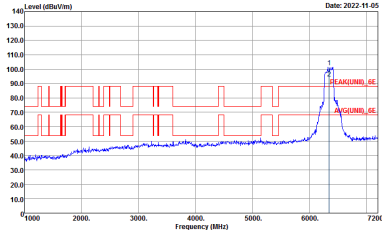
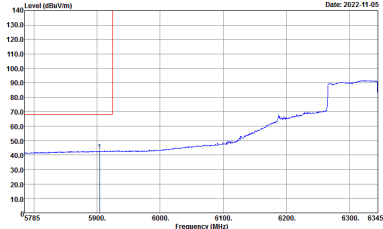


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5785 to 6345 MHz. A red line shows a sharp peak at approximately 5925 MHz. A blue line shows the noise floor, which rises from about 40 dBuV/m at 5785 MHz to about 90 dBuV/m at 6345 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7200 MHz. A red line shows a complex signal with multiple peaks between 1000 and 6000 MHz. A blue line shows the noise floor. A sharp peak is visible at approximately 6345 MHz, labeled with 'P1' and 'PEAK[UNII]_6E'.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5785 to 6345 MHz. A red line shows a sharp peak at approximately 5925 MHz. A blue line shows the average signal level, which rises from about 40 dBuV/m at 5785 MHz to about 90 dBuV/m at 6345 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+3	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a signal level starting at approximately 45 dBu/m at 5785 MHz and rising to about 95 dBu/m at 6345 MHz. A red vertical line is present at approximately 5925 MHz.</p> <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level starting at approximately 45 dBu/m at 1000 MHz and rising to about 95 dBu/m at 6345 MHz. A red vertical line is present at approximately 5925 MHz. Two red lines are labeled 'PEAK[UNII]_6E' and 'AVG[UNII]_6E'.</p> <p>Site : 03CH07-HY Condition : PEAK[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Avg. Vertical. The plot shows a signal level starting at approximately 45 dBu/m at 5785 MHz and rising to about 95 dBu/m at 6345 MHz. A red vertical line is present at approximately 5925 MHz.</p> <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_6E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



Band 5 - 5925~6425MHz
WIFI 802.11a (Harmonic @ 3m)

Table with 2 columns: Horizontal and Vertical. Rows include: WIFI (Band 5 5925~6425MHz Harmonic @ 3m), ANT (802.11a CH01 5955MHz), 4+3, and Peak Avg. Each plot shows Level (dBu/Vm) vs Frequency (MHz) with Peak and Avg traces.



WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : :PEAK(UWII)_SE 1m SHF-EHF_9170251 HORIZONTAL :</p>	<p>Site : 03CH07-HY Condition : :PEAK(UWII)_SE 1m SHF-EHF_9170251 VERTICAL :</p>



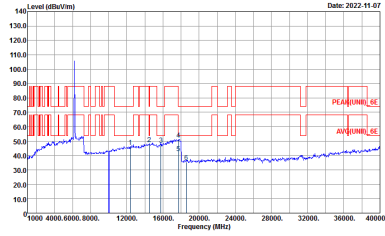
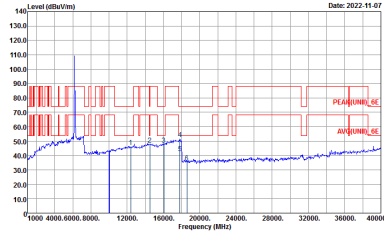
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : :PEAK(UWII)_SE 1m SHF-EHF_9170251 HORIZONTAL : :</p>	<p>Site : 03CH07-HY Condition : :PEAK(UWII)_SE 1m SHF-EHF_9170251 VERTICAL : :</p>



Band 5 5925~6425MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(LIN)I_0E 1m SHF-EHF_3170251 HORIZONTAL :</p>	<p>Site : 03CH07-HY Condition : PEAK(LIN)I_0E 1m SHF-EHF_3170251 VERTICAL :</p>



WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH07-RY Condition : :PEAK(UWII)_SE 1m SHF-EHF_9170251 HORIZONTAL :</p>	 <p>Site : 03CH07-RY Condition : :PEAK(UWII)_SE 1m SHF-EHF_9170251 VERTICAL :</p>



WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : :PEAK(AV)M/SE 1m SHF-EHF_9170251 HORIZONTAL :</p> <p>Site : 03CH07-HY Condition : :PEAK(AV)M/SE 1m SHF-EHF_9170251 VERTICAL :</p>	