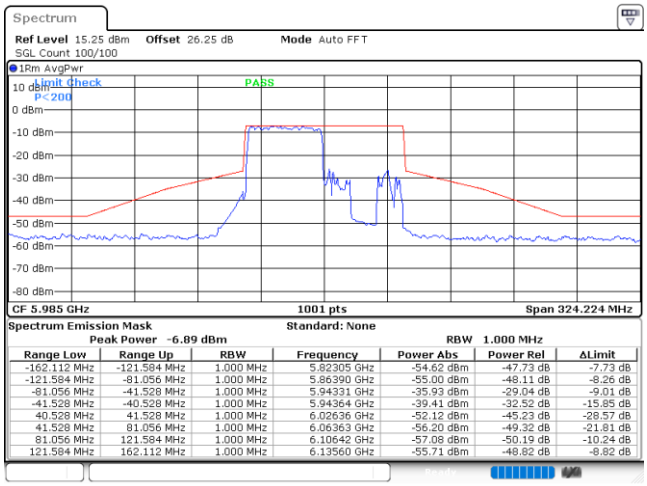
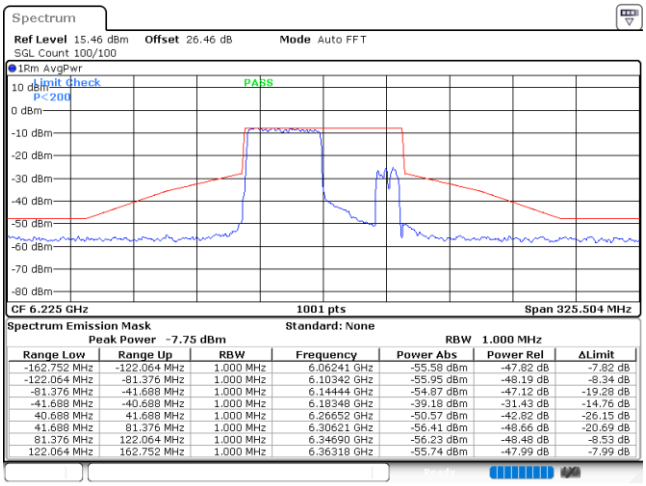
EUT Mode	802.11ax HE80 484RU65

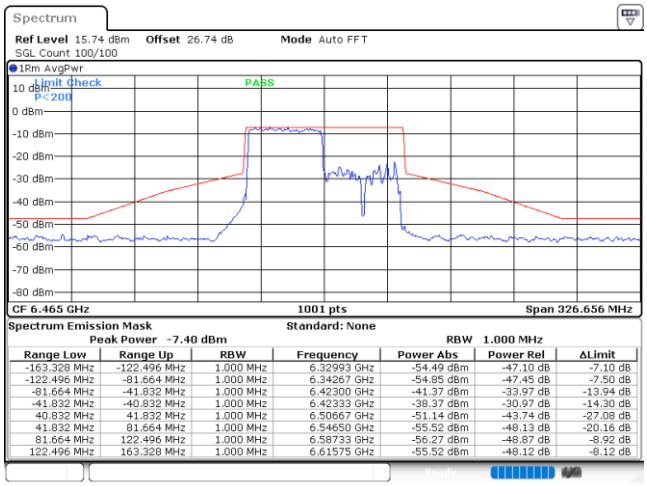
Plot on Channel 5985 MHz



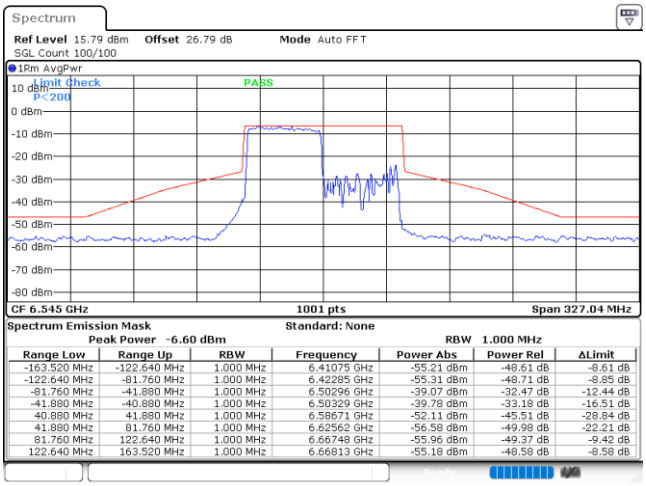
Plot on Channel 6225 MHz



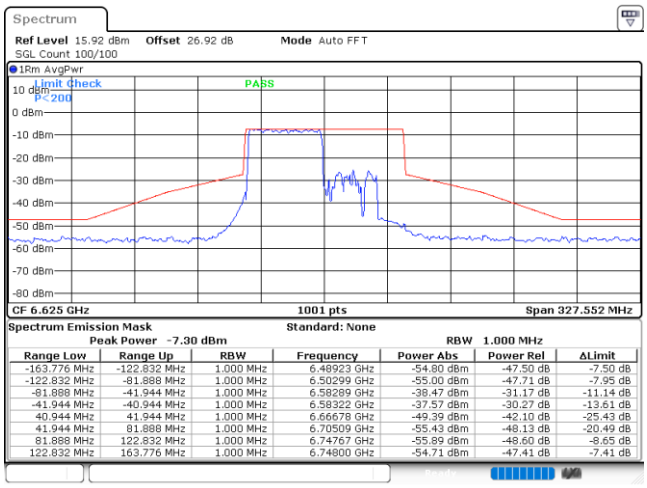
Plot on Channel 6465 MHz



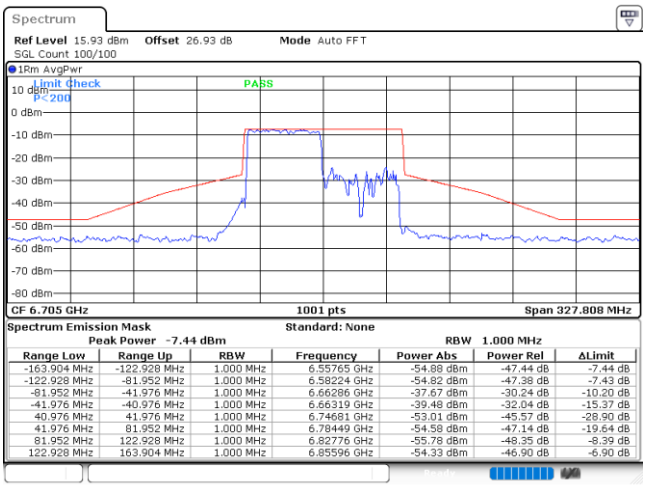
Plot on Channel 6545 MHz



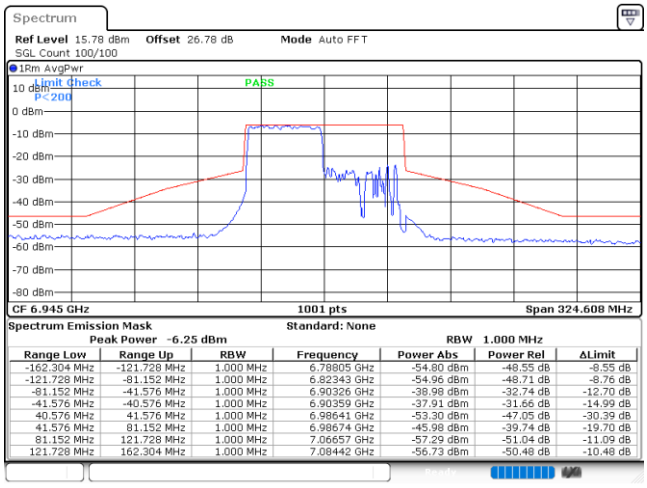
Plot on Channel 6625 MHz



Plot on Channel 6705 MHz

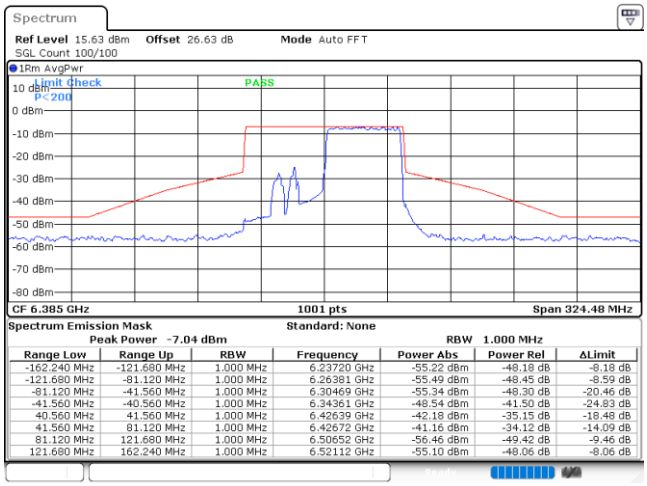


Plot on Channel 6945 MHz

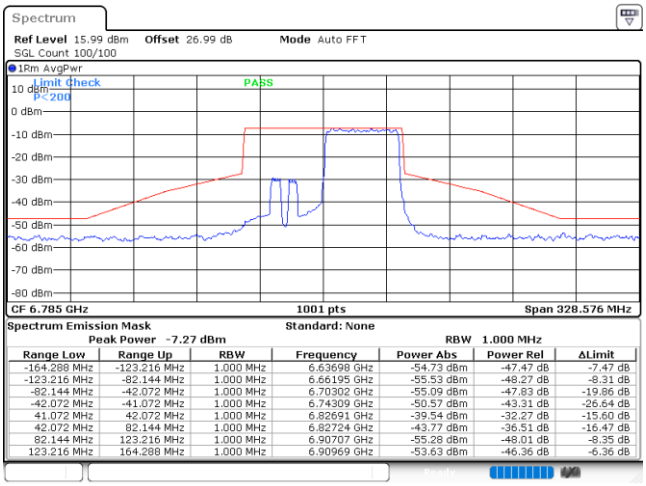


EUT Mode	802.11ax HE80 484RU66

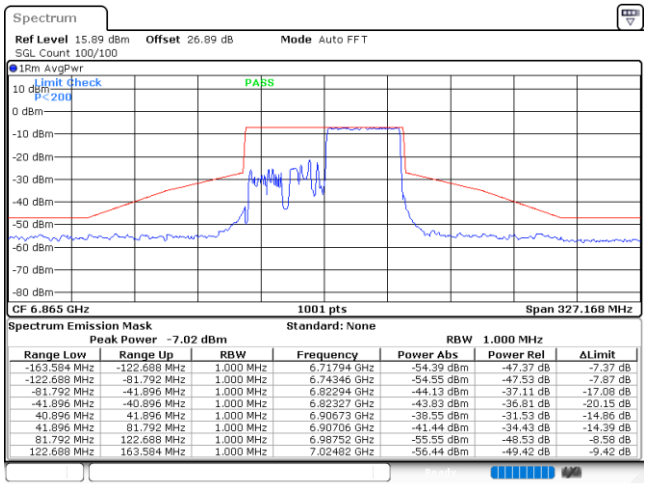
Plot on Channel 6385 MHz



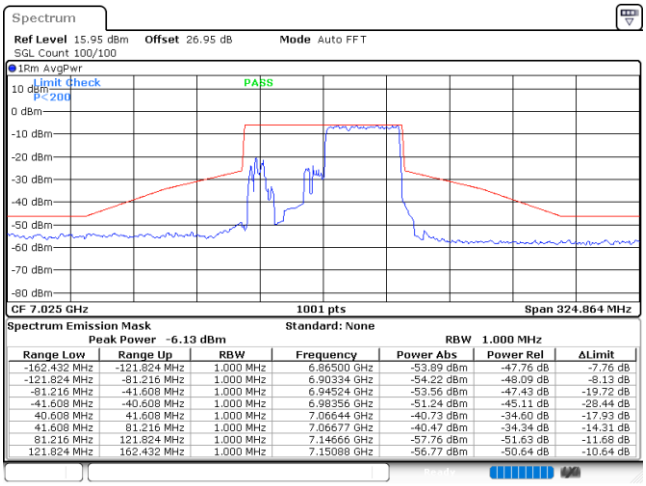
Plot on Channel 6785 MHz



Plot on Channel 6865 MHz

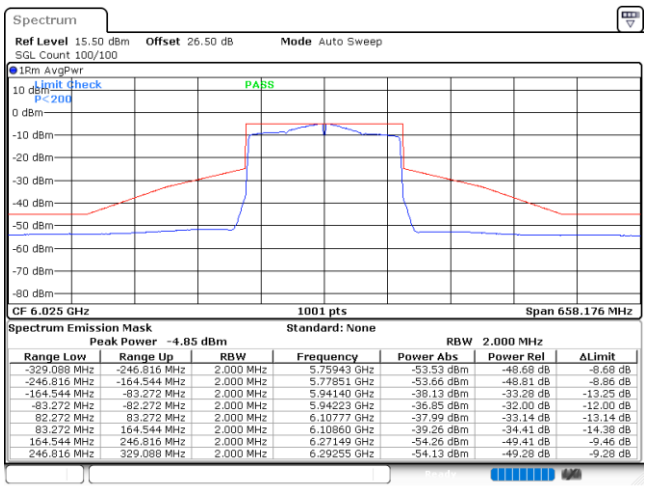


Plot on Channel 7025 MHz

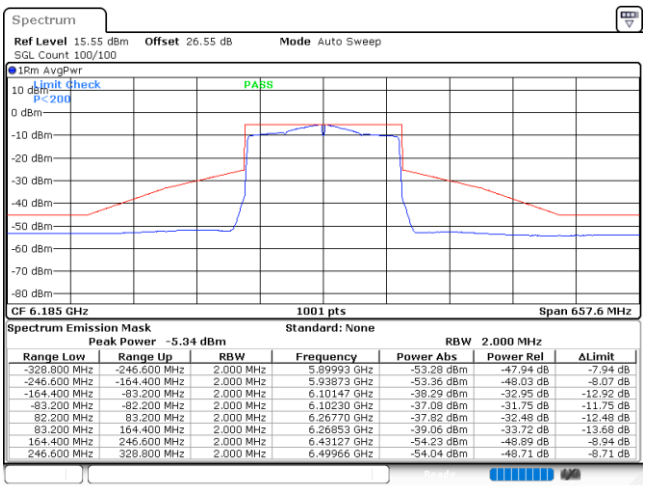


EUT Mode	802.11ax HE160 Full RU

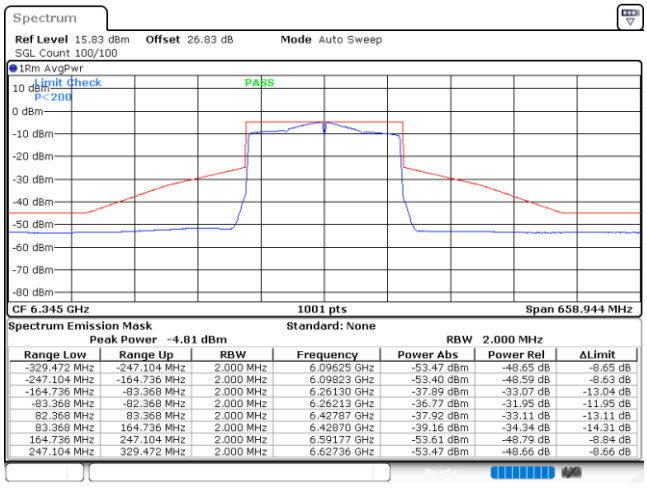
Plot on Channel 6025 MHz



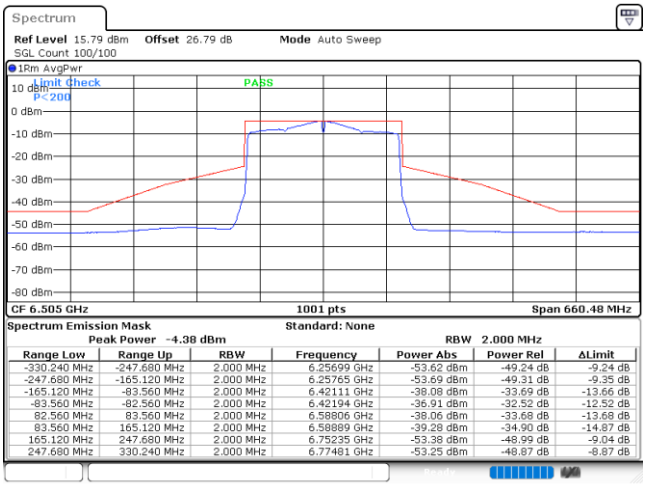
Plot on Channel 6185 MHz



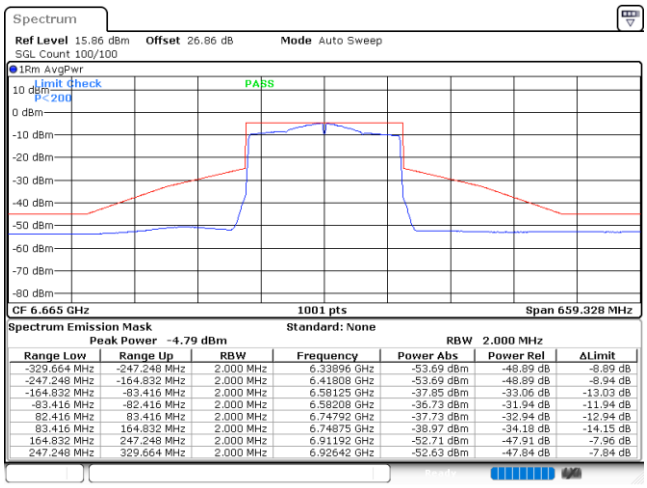
Plot on Channel 6345 MHz



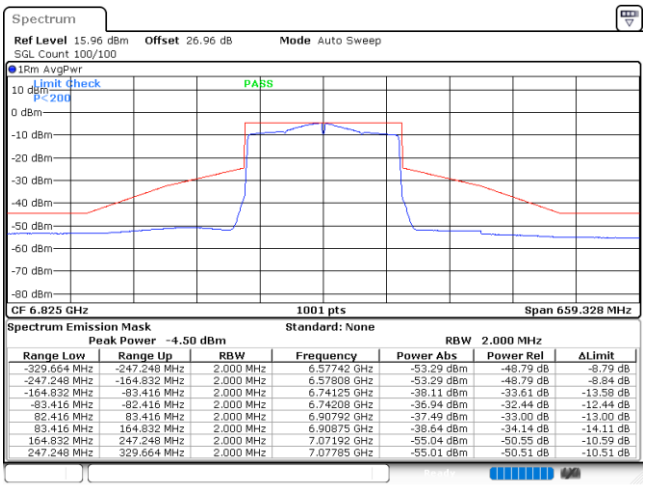
Plot on Channel 6505 MHz



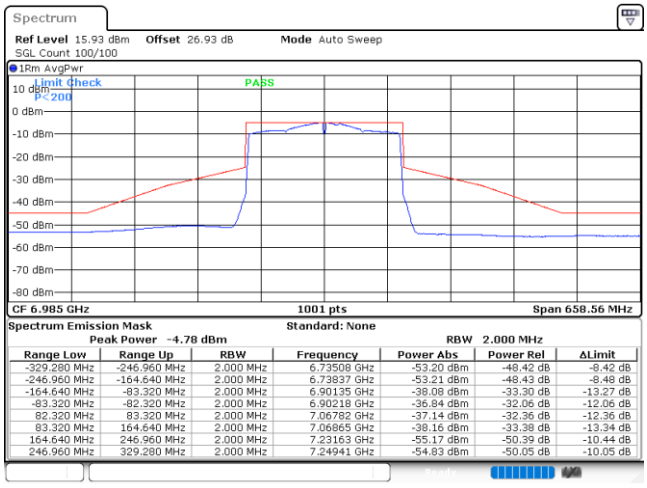
Plot on Channel 6665 MHz



Plot on Channel 6825 MHz

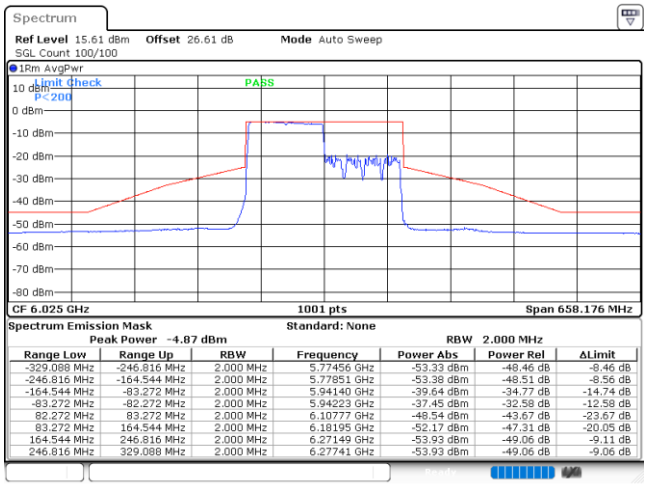


Plot on Channel 6985 MHz

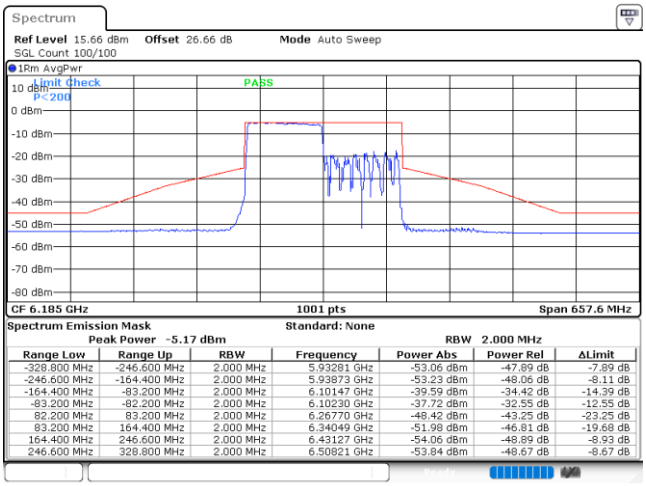


EUT Mode	802.11ax HE160 996RU67

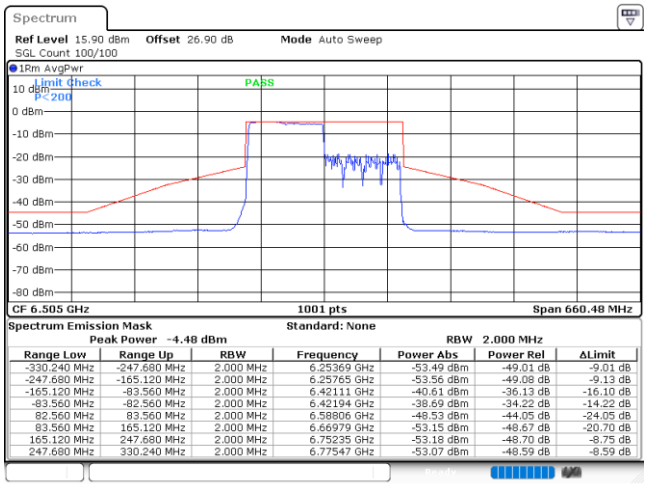
Plot on Channel 6025 MHz



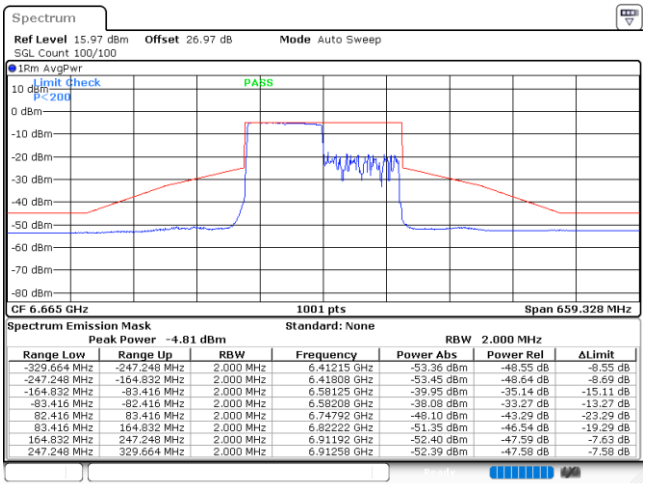
Plot on Channel 6185 MHz



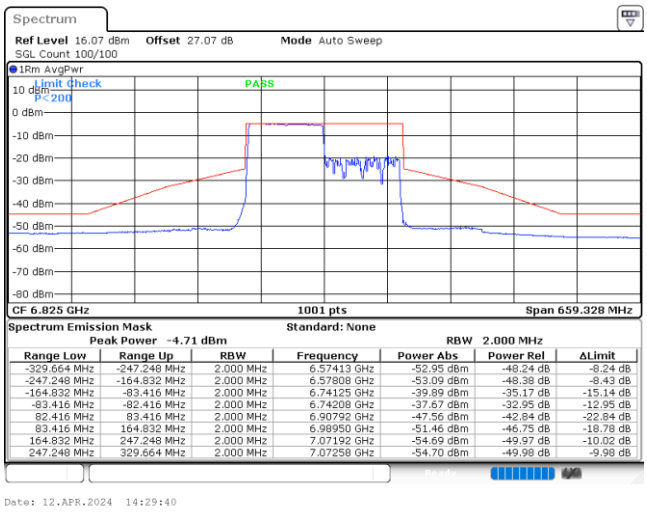
Plot on Channel 6505 MHz



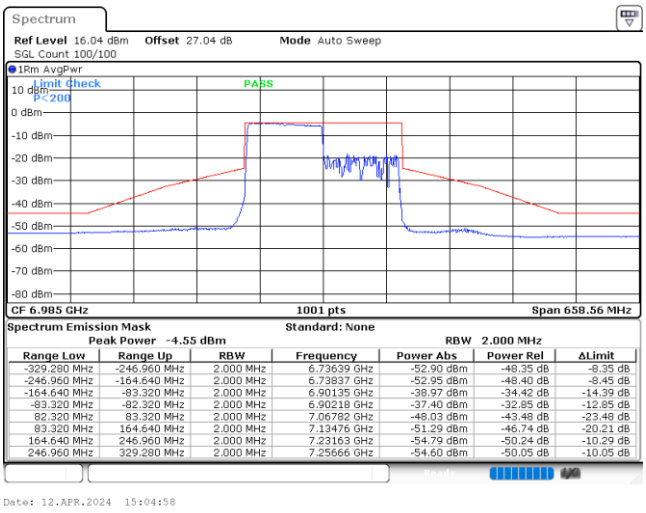
Plot on Channel 6665 MHz



Plot on Channel 6825 MHz

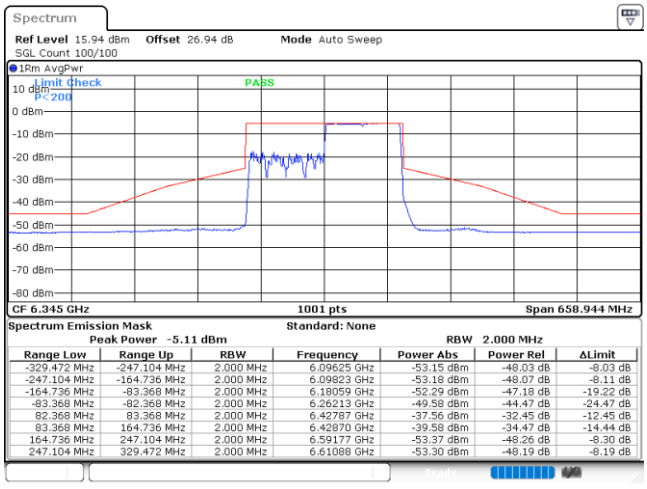


Plot on Channel 6985 MHz

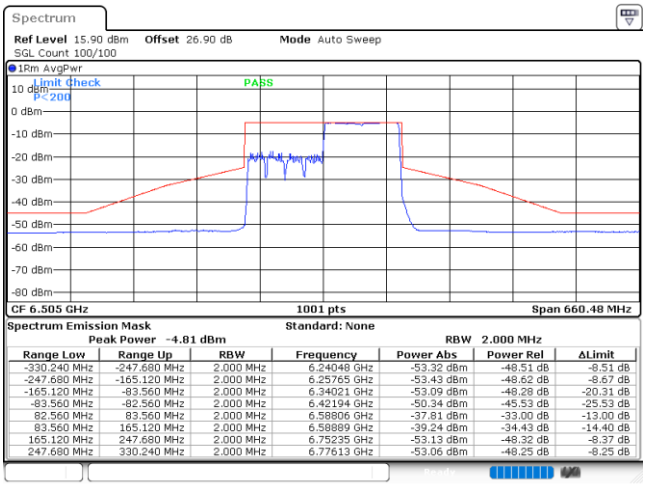


EUT Mode	802.11ax HE160 996RUS67

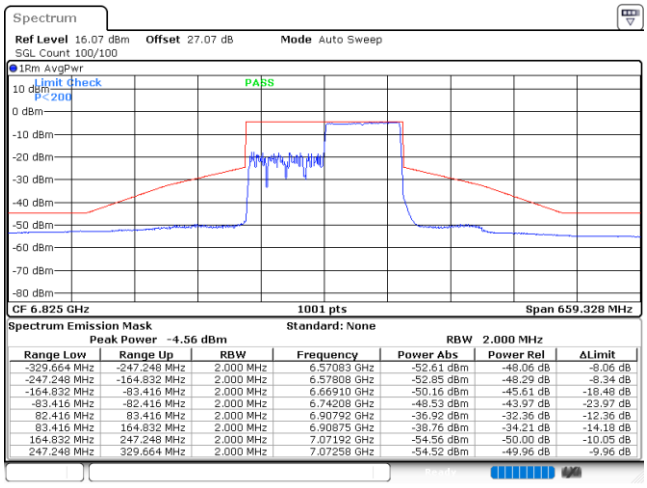
Plot on Channel 6345 MHz



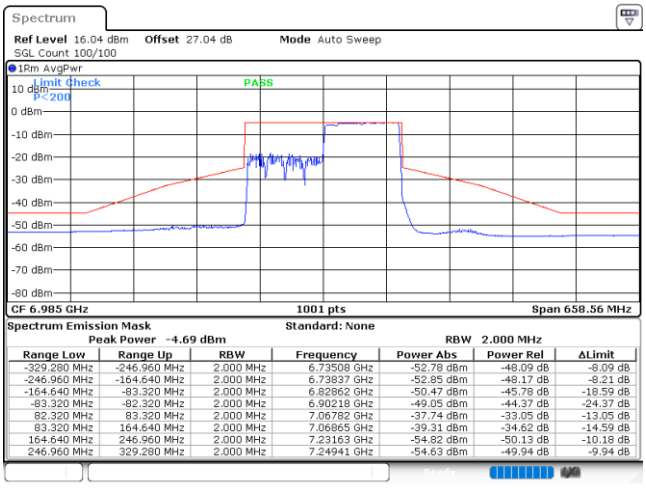
Plot on Channel 6505 MHz



Plot on Channel 6825 MHz



Plot on Channel 6985 MHz



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:

$BWEUT$: Transmission bandwidth of EUT signal

$BWInc$: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

$fc1$: Center frequency of EUT transmission

$fc2$: Center frequency of simulated incumbent signal

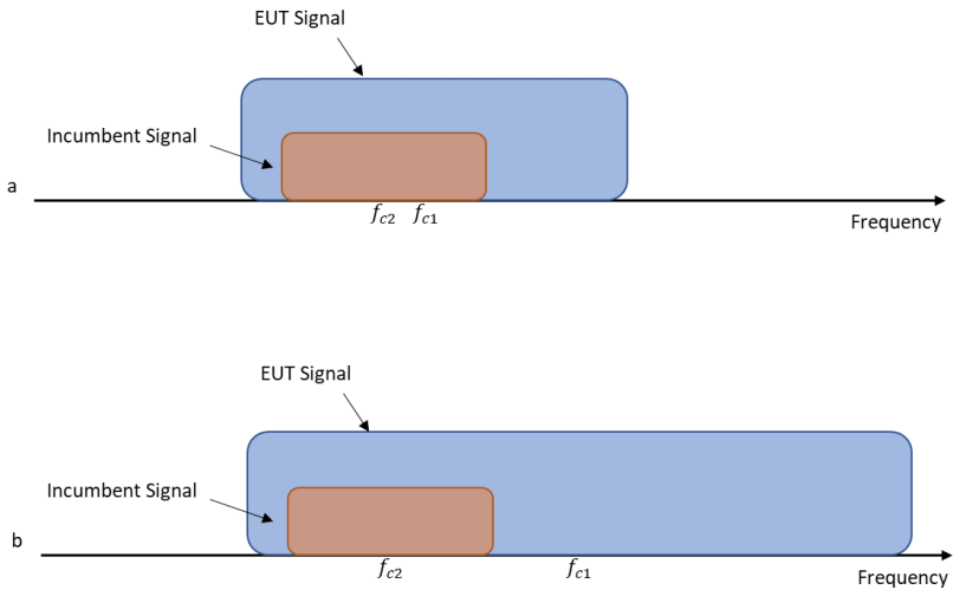


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

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

Conducted Setup

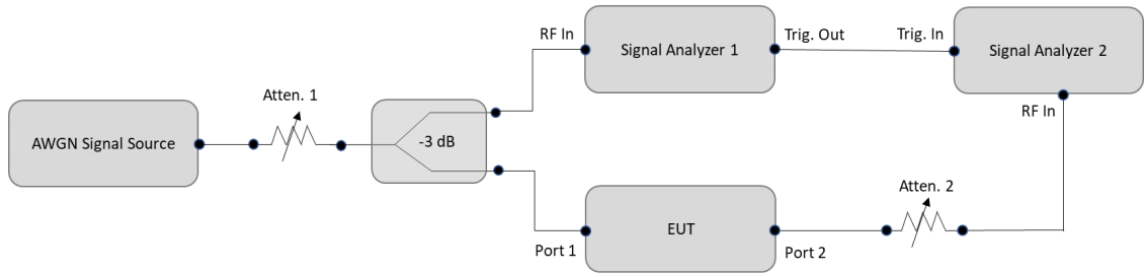


Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

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 Minimum Antenna gain for Contention Based Protocol Test

CBP Antenna Gain	<UNII-5>: 1.74 dBi <UNII-6>: 2.33 dBi <UNII-7>: 2.13 dBi <UNII-8>: 1.44 dBi

3.5.7 Test Summary of Contention Based Protocol Test

Test Engineer :	Leon Huang	Temperature :	22.3~23.4℃
		Relative Humidity :	45~61.1%

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	-76.40	100	-62	-78.14	16.14
					Result: Stop Transmission			
				-81.40	< 90	-62	-83.14	21.14
					Result: Minimal Operation			
				-82.40	0	-62	-84.14	22.14
					Result: Normal Operation			
	6185	160	6110	-70.74	100	-62	-72.48	10.48
					Result: Stop Transmission			
				-75.74	< 90	-62	-77.48	15.48
					Result: Minimal Operation			
				-76.74	0	-62	-78.48	16.48
					Result: Normal Operation			
			6185	-66.66	100	-62	-68.40	6.40
					Result: Stop Transmission			
				-69.66	< 90	-62	-71.40	9.40
					Result: Minimal Operation			
				-70.66	0	-62	-72.40	10.40
					Result: Normal Operation			
			6260	-71.51	100	-62	-73.25	11.25
					Result: Stop Transmission			
				-75.51	< 90	-62	-77.25	15.25
					Result: Minimal Operation			
				-76.51	0	-62	-78.25	16.25
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (1.74 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

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 6	6455	20	6455	-77.24	100	-62	-79.57	17.57
					Result: Stop Transmission			
				-80.24	< 90	-62	-82.57	20.57
					Result: Minimal Operation			
				-81.24	0	-62	-83.57	21.57
					Result: Normal Operation			
	6505	160	6430	-72.22	100	-62	-74.55	12.55
					Result: Stop Transmission			
				-76.22	< 90	-62	-78.55	16.55
					Result: Minimal Operation			
				-77.22	0	-62	-79.55	17.55
					Result: Normal Operation			
			6505	-67.89	100	-62	-70.22	8.22
					Result: Stop Transmission			
				-69.89	< 90	-62	-72.22	10.22
					Result: Minimal Operation			
				-70.89	0	-62	-73.22	11.22
					Result: Normal Operation			
			6580	-72.05	100	-62	-74.38	12.38
					Result: Stop Transmission			
				-76.05	< 90	-62	-78.38	16.38
					Result: Minimal Operation			
				-77.05	0	-62	-79.38	17.38
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (2.33 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

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	-78.38	100	-62	-80.51	18.51
					Result: Stop Transmission			
				-80.38	< 90	-62	-82.51	20.51
					Result: Minimal Operation			
				-81.38	0	-62	-83.51	21.51
					Result: Normal Operation			
	6665	160	6590	-73.54	100	-62	-75.67	13.67
					Result: Stop Transmission			
				-76.54	< 90	-62	-78.67	16.67
					Result: Minimal Operation			
				-77.54	0	-62	-79.67	17.67
					Result: Normal Operation			
			6665	-69.45	100	-62	-71.58	9.58
					Result: Stop Transmission			
				-71.45	< 90	-62	-73.58	11.58
					Result: Minimal Operation			
				-72.45	0	-62	-74.58	12.58
					Result: Normal Operation			
			6740	-74.16	100	-62	-76.29	14.29
					Result: Stop Transmission			
				-77.16	< 90	-62	-79.29	17.29
					Result: Minimal Operation			
				-78.16	0	-62	-80.29	18.29
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (2.13 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

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

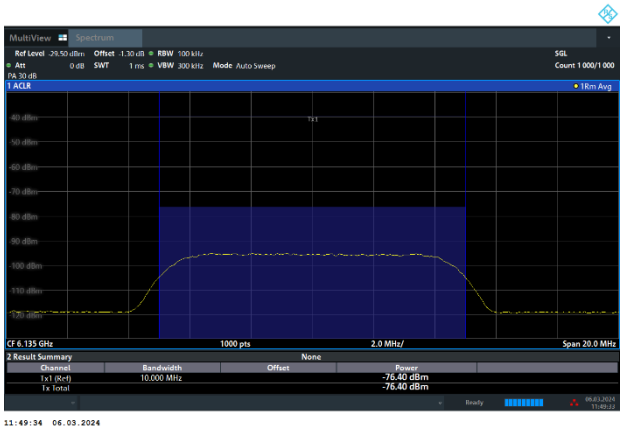
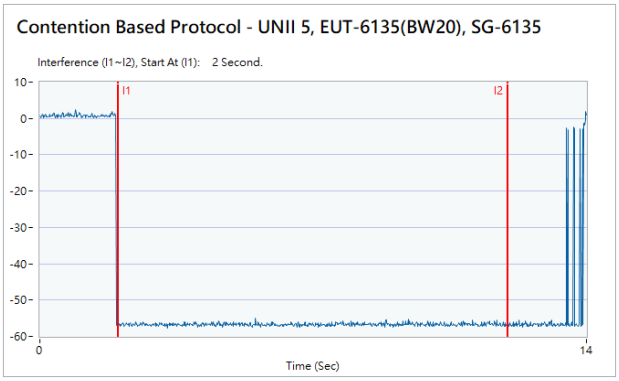
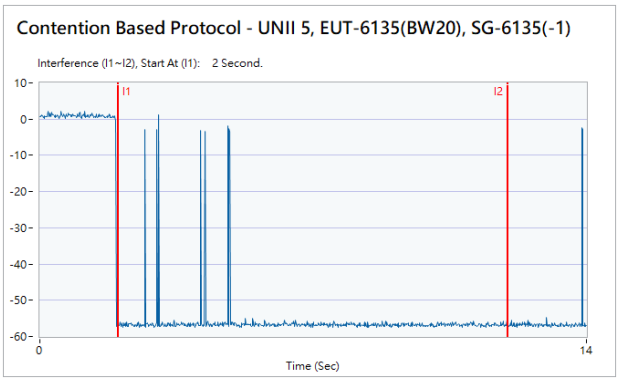
Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-73.84	100	-62	-75.28	13.28
					Result: Stop Transmission			
				-79.84	< 90	-62	-81.28	19.28
					Result: Minimal Operation			
				-80.84	0	-62	-82.28	20.28
					Result: Normal Operation			
	6985	160	6910	-71.91	100	-62	-73.35	11.35
					Result: Stop Transmission			
				-74.91	< 90	-62	-76.35	14.35
					Result: Minimal Operation			
				-75.91	0	-62	-77.35	15.35
					Result: Normal Operation			
			6985	-66.80	100	-62	-68.24	6.24
					Result: Stop Transmission			
				-68.80	< 90	-62	-70.24	8.24
					Result: Minimal Operation			
				-69.80	0	-62	-71.24	9.24
					Result: Normal Operation			
			7060	-71.99	100	-62	-73.43	11.43
					Result: Stop Transmission			
				-74.99	< 90	-62	-76.43	14.43
					Result: Minimal Operation			
				-75.99	0	-62	-77.43	15.43
					Result: Normal Operation			

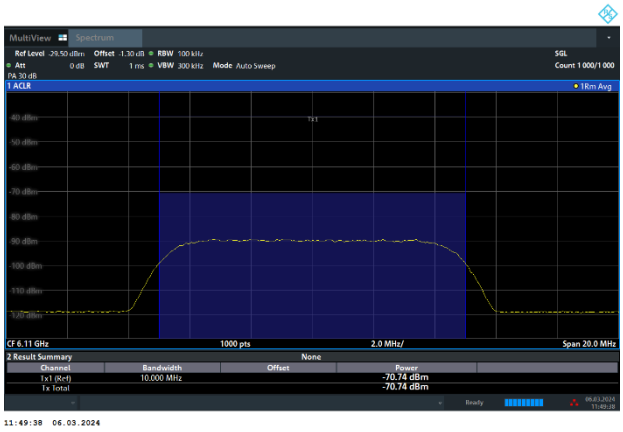
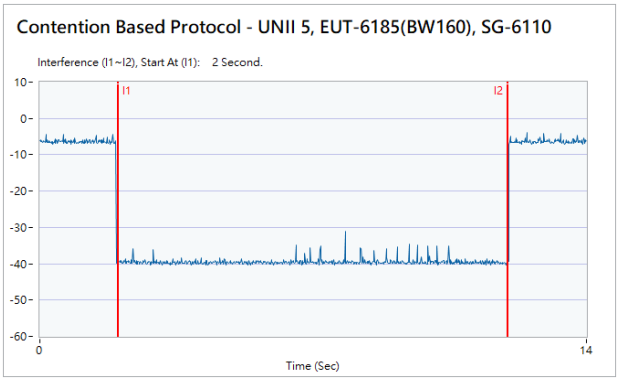
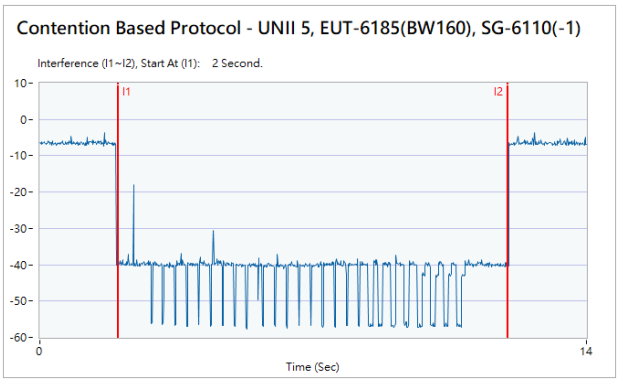
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (1.44 dBi).

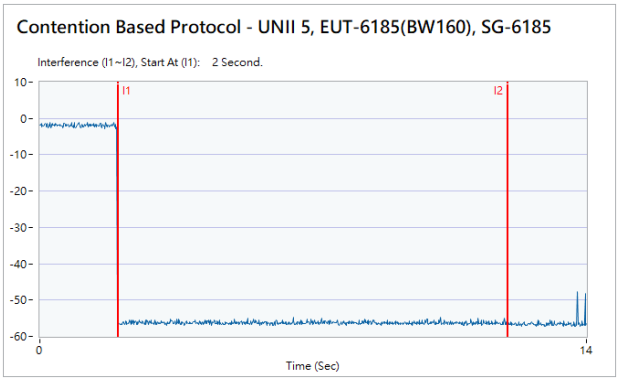
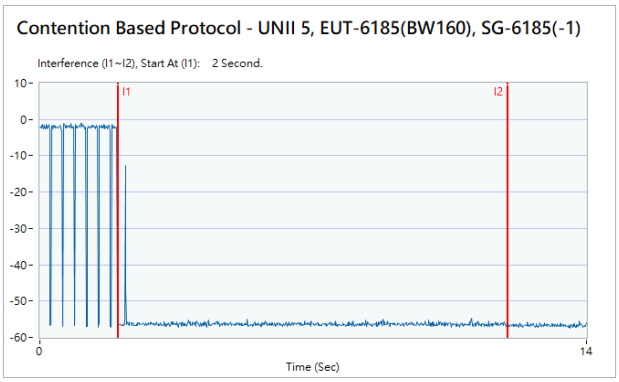
Note 2: The antenna gain has included the path loss between RF connector and antenna.

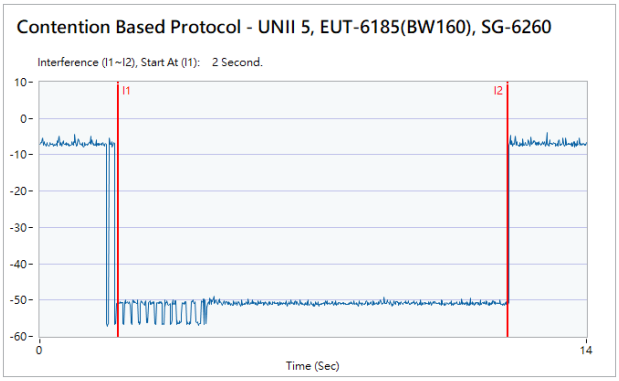
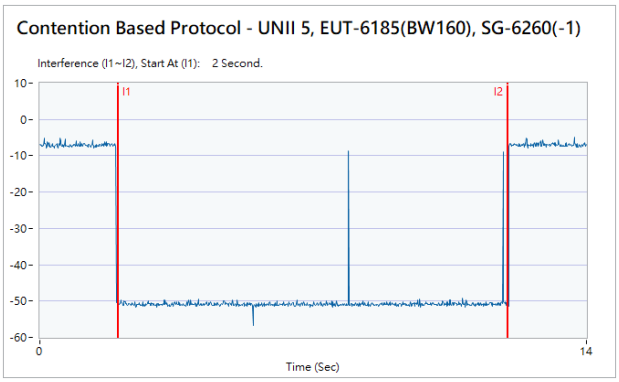
Note 3: Margin = Regulated Threshold level - Adjusted Power.

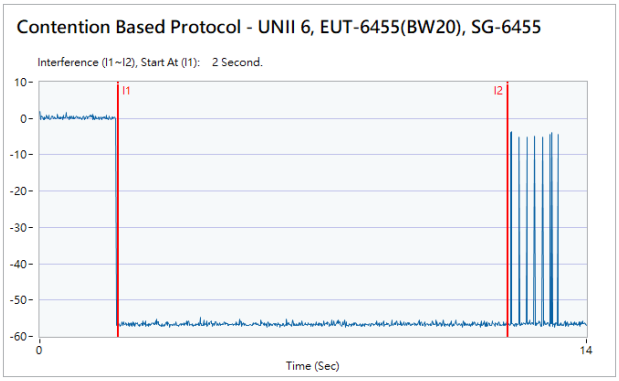
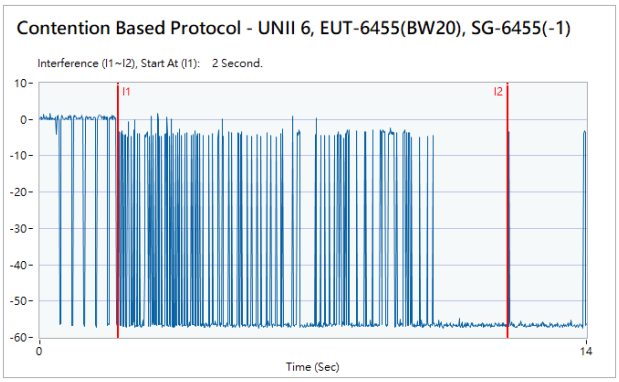
3.5.8 Test Plots of Contention Based Protocol Test

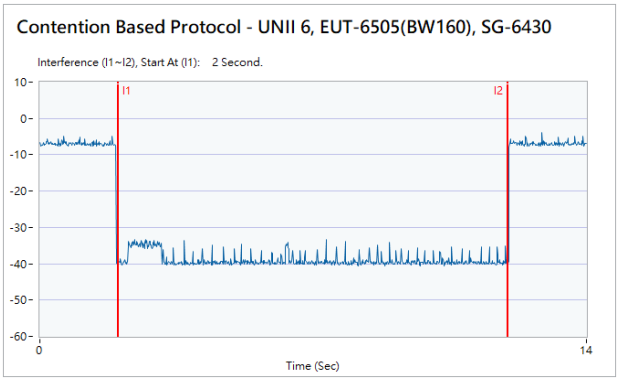
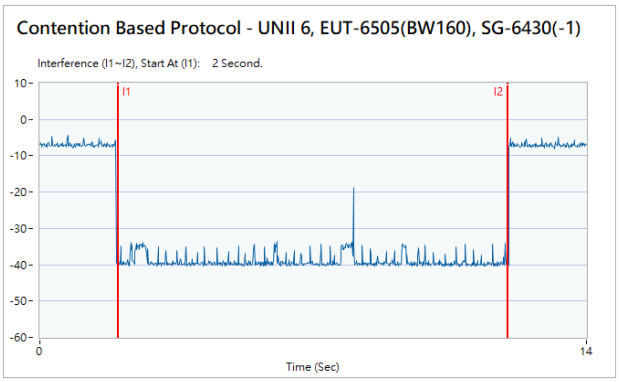
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -76.40dBm	802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -77.40dBm	802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.
	

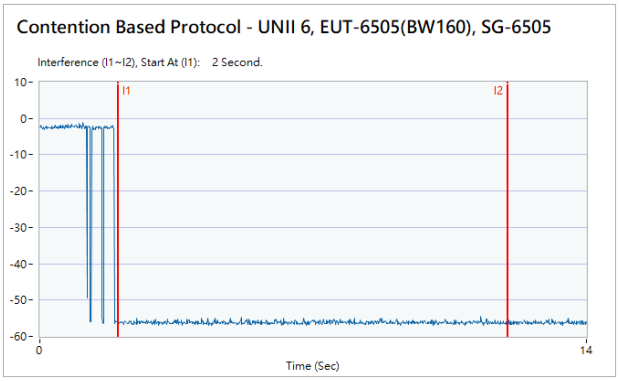
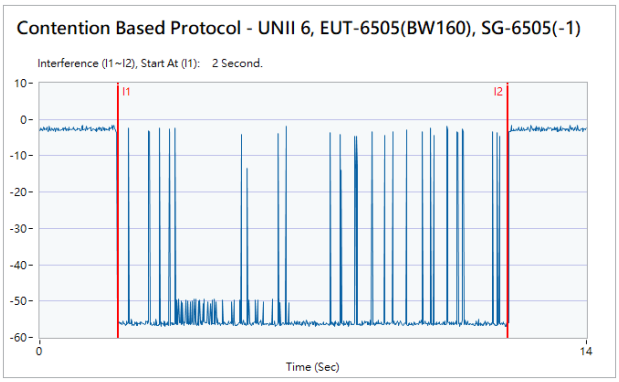
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE160) / 6110MHz (Lower edge) Threshold Level (TL) = -70.74dBm	802.11ax (HE160) / CH47 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6110MHz (Lower edge) Threshold Level (TL) = -71.74dBm	802.11ax (HE160) / CH47 (Lower edge) Transmit when the interferer is 1dB lower.
	

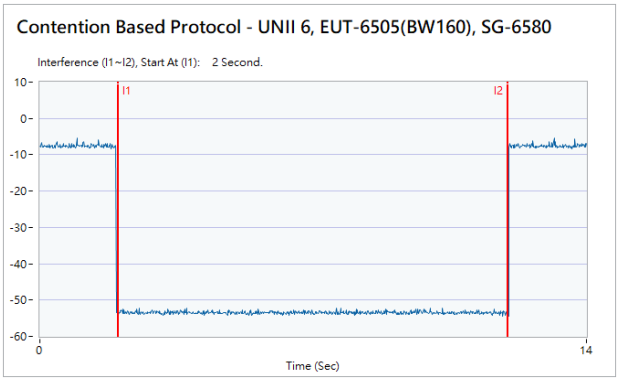
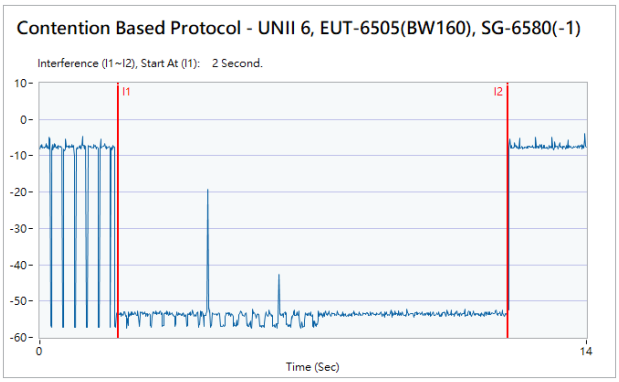
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE160) / 6185MHz (Middle) Threshold Level (TL) = -66.66dBm	802.11ax (HE160) / CH47 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6185MHz (Middle) Threshold Level (TL) = -67.66dBm	802.11ax (HE160) / CH47 (Middle) Transmit when the interferer is 1dB lower.
	

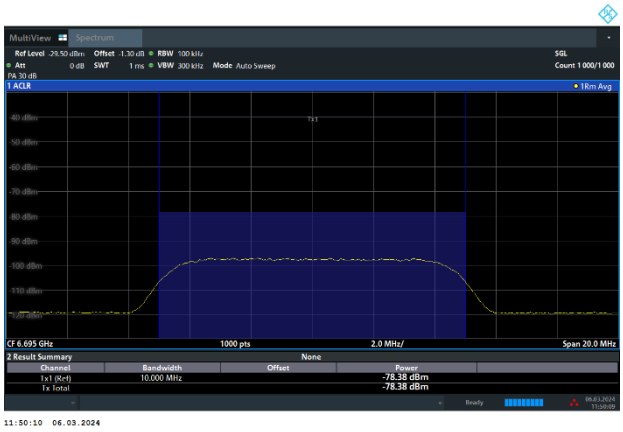
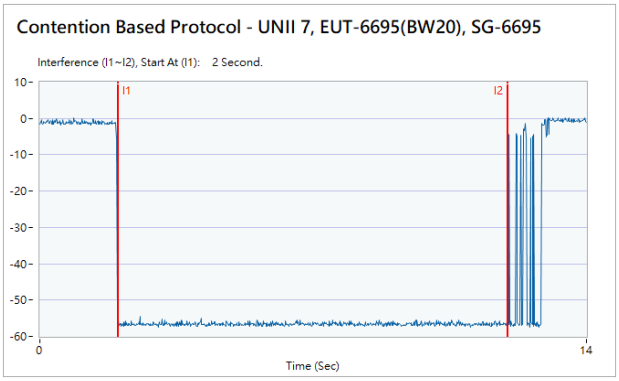
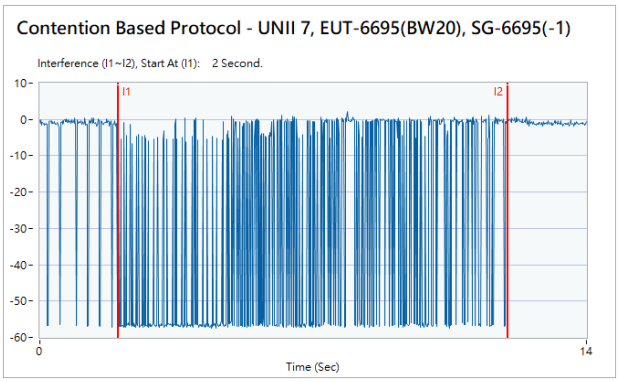
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE160) / 6260MHz (Upper edge) Threshold Level (TL) = -71.51dBm	802.11ax (HE160) / CH47 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6260MHz (Upper edge) Threshold Level (TL) = -72.51dBm	802.11ax (HE160) / CH47 (Upper edge) Transmit when the interferer is 1dB lower.
	

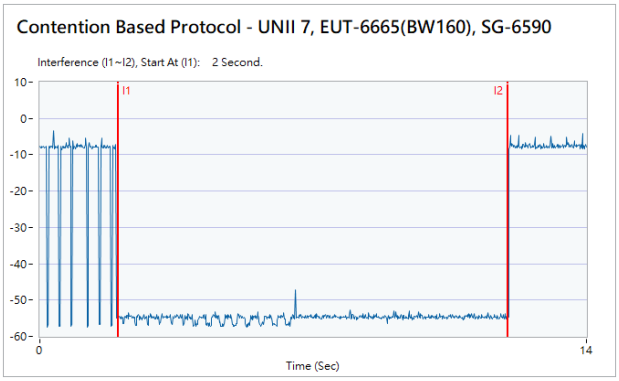
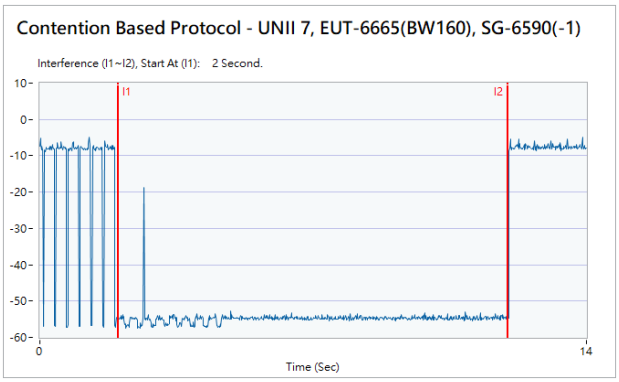
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE20) / 6455MHz Threshold Level (TL) = -77.24dBm	802.11ax (HE20) / CH101 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6455MHz Threshold Level (TL) = -78.24dBm	802.11ax (HE20) / CH101 Transmit when the interferer is 1dB lower.
	

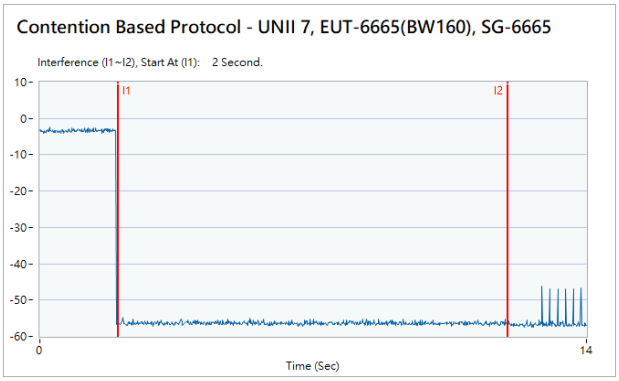
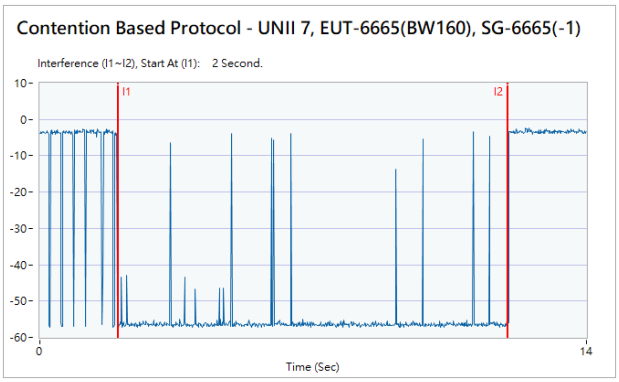
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE160) / 6430MHz (Lower edge) Threshold Level (TL) = -72.22dBm	802.11ax (HE160) / CH111 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6430MHz (Lower edge) Threshold Level (TL) = -73.22dBm	802.11ax (HE160) / CH111 (Lower edge) Transmit when the interferer is 1dB lower.
	

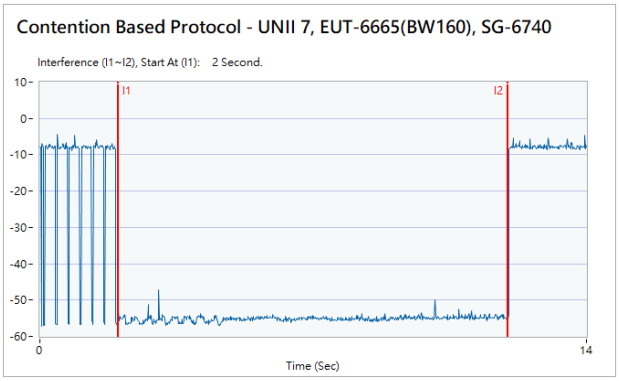
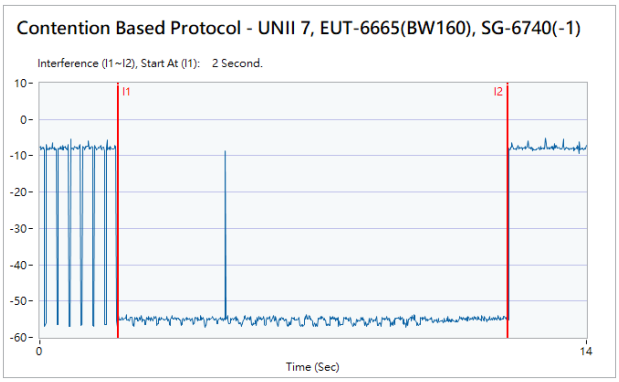
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE160) / 6505MHz (Middle) Threshold Level (TL) = -67.89dBm	802.11ax (HE160) / CH111 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6505MHz (Middle) Threshold Level (TL) = -68.89dBm	802.11ax (HE160) / CH111 (Middle) Transmit when the interferer is 1dB lower.
	

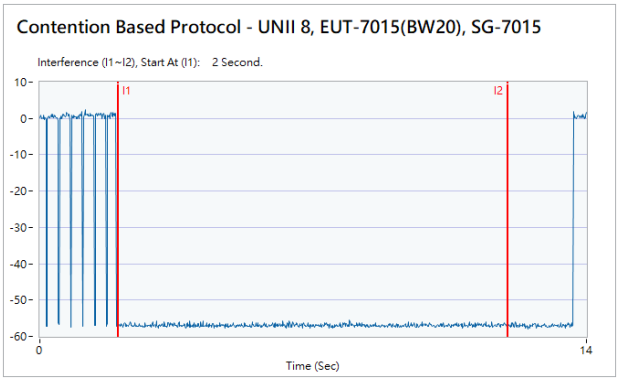
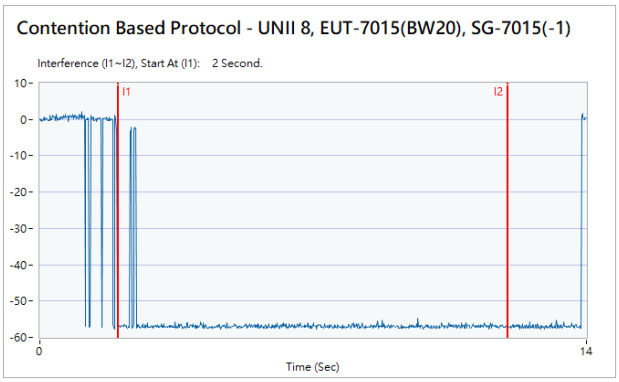
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE160) / 6580MHz (Upper edge) Threshold Level (TL) = -72.05dBm	802.11ax (HE160) / CH111 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6580MHz (Upper edge) Threshold Level (TL) = -73.05dBm	802.11ax (HE160) / CH111 (Upper edge) Transmit when the interferer is 1dB lower.
	

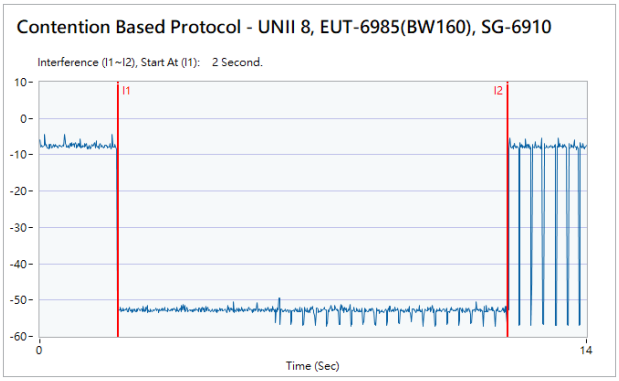
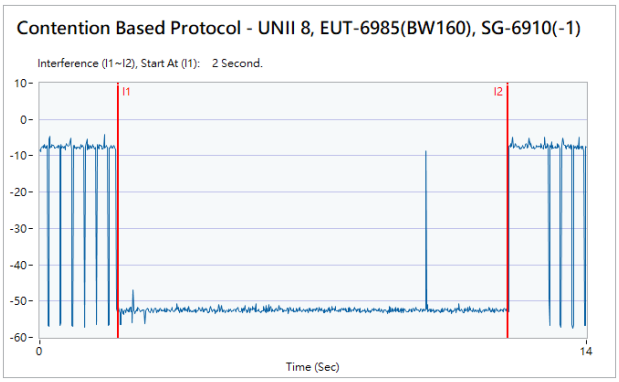
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE20) / 6695MHz Threshold Level (TL) = -78.38dBm	802.11ax (HE20) / CH149 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6695MHz Threshold Level (TL) = -79.38dBm	802.11ax (HE20) / CH149 Transmit when the interferer is 1dB lower.
	

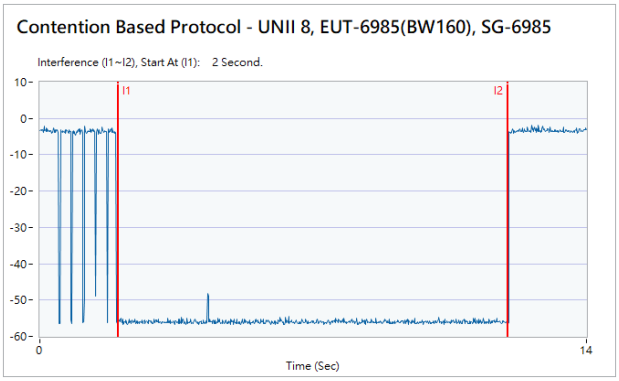
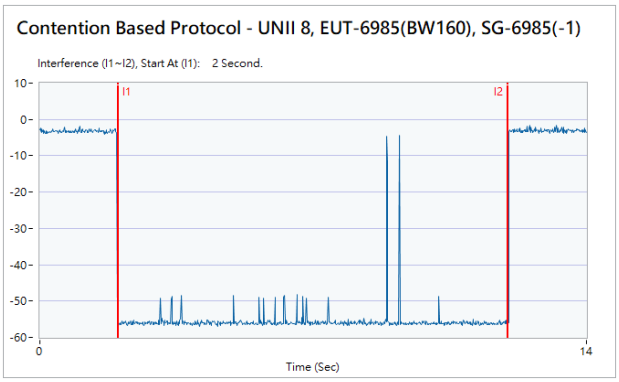
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE160) / 6590MHz (Lower edge) Threshold Level (TL) = -73.54dBm	802.11ax (HE160) / CH143 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6590MHz (Lower edge) Threshold Level (TL) = -74.54dBm	802.11ax (HE160) / CH143 (Lower edge) Transmit when the interferer is 1dB lower.
	

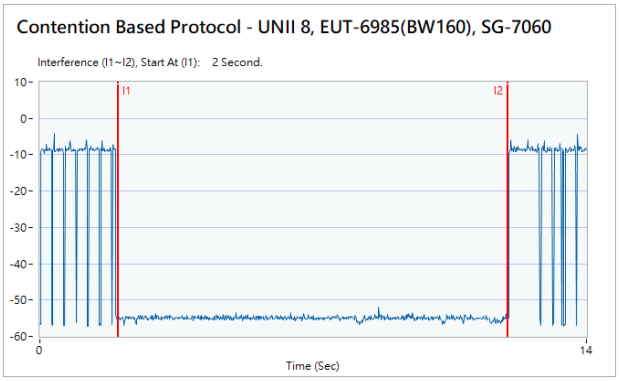
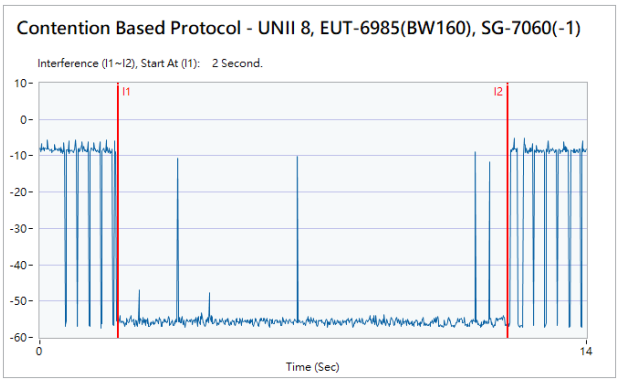
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE160) / 6665MHz (Middle) Threshold Level (TL) = -69.45dBm	802.11ax (HE160) / CH143 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6665MHz (Middle) Threshold Level (TL) = -70.45dBm	802.11ax (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) = -74.16dBm	802.11ax (HE160) / CH143 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6740MHz (Upper edge) Threshold Level (TL) = -75.16dBm	802.11ax (HE160) / CH143 (Upper edge) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE20) / 7015MHz Threshold Level (TL) = -73.84dBm	802.11ax (HE20) / CH213 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 7015MHz Threshold Level (TL) = -74.84dBm	802.11ax (HE20) / CH213 Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE160) / 6910MHz (Lower edge) Threshold Level (TL) = -71.91dBm	802.11ax (HE160) / CH207 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6910MHz (Lower edge) Threshold Level (TL) = -72.91dBm	802.11ax (HE160) / CH207 (Lower edge) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE160) / 6985MHz (Middle) Threshold Level (TL) = -66.80dBm	802.11ax (HE160) / CH207 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6985MHz (Middle) Threshold Level (TL) = -67.80dBm	802.11ax (HE160) / CH207 (Middle) Transmit when the interferer is 1dB lower.
	

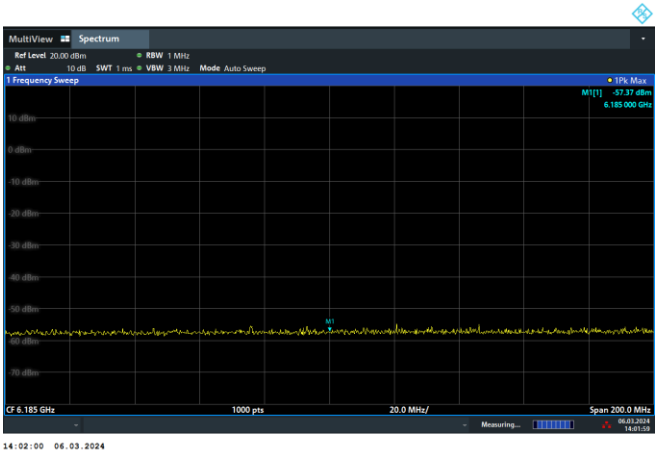
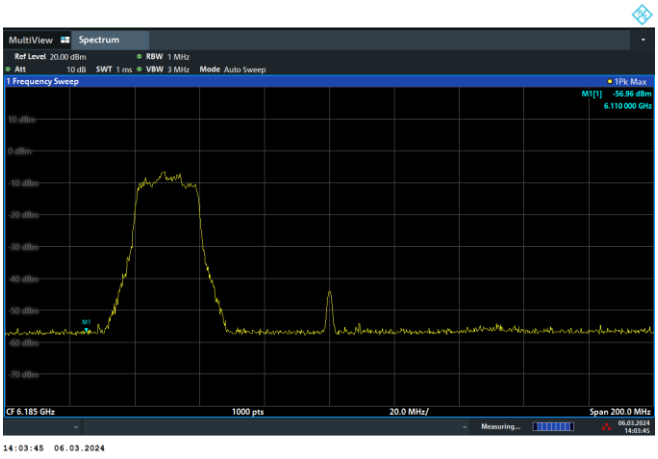
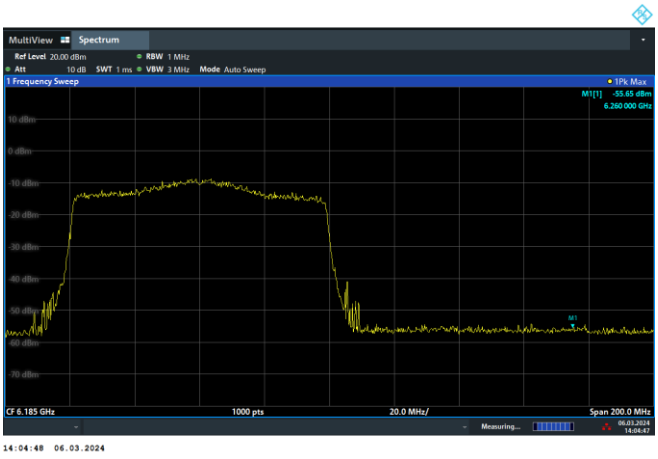
Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE160) / 7060MHz (Upper edge) Threshold Level (TL) = -71.99dBm	802.11ax (HE160) / CH207 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 7060MHz (Upper edge) Threshold Level (TL) = -72.99dBm	802.11ax (HE160) / CH207 (Upper edge) Transmit when the interferer is 1dB lower.
	

CBP verify with frequency domain plots

The device does not support channel puncturing with regards to Contention Based Protocol.

The entire bandwidth 160MHz stops transmission after the incumbent signal appears.

Otherwise, the entire 160MHz bandwidth is reduced to 20MHz or 80MHz.

Before incumbent injected on 160MHz channel	After 10MHz incumbent injected on center of channel, the entire 160MHz bandwidth stops transmission.
	
After 10MHz incumbent injected on bottom of channel, the EUT bandwidth is reduced from 160MHz to 20MHz channel.	After 10MHz incumbent injected on top of channel, the EUT bandwidth is reduced from 160MHz to 80MHz channel.
	

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.

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

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.

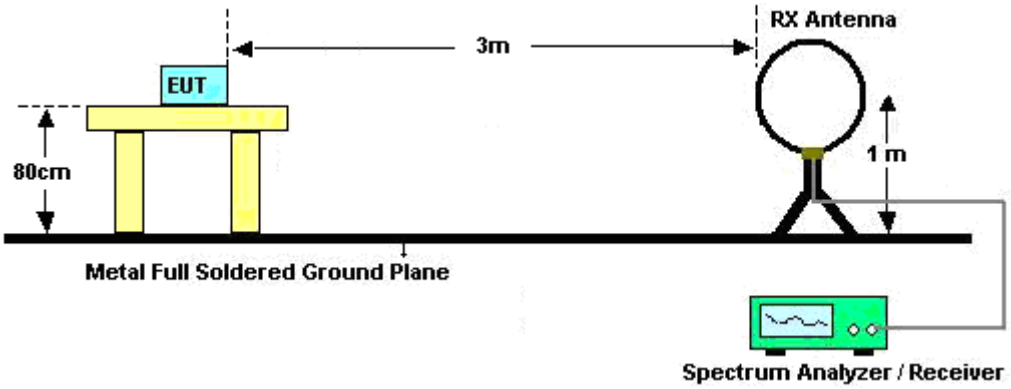
   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

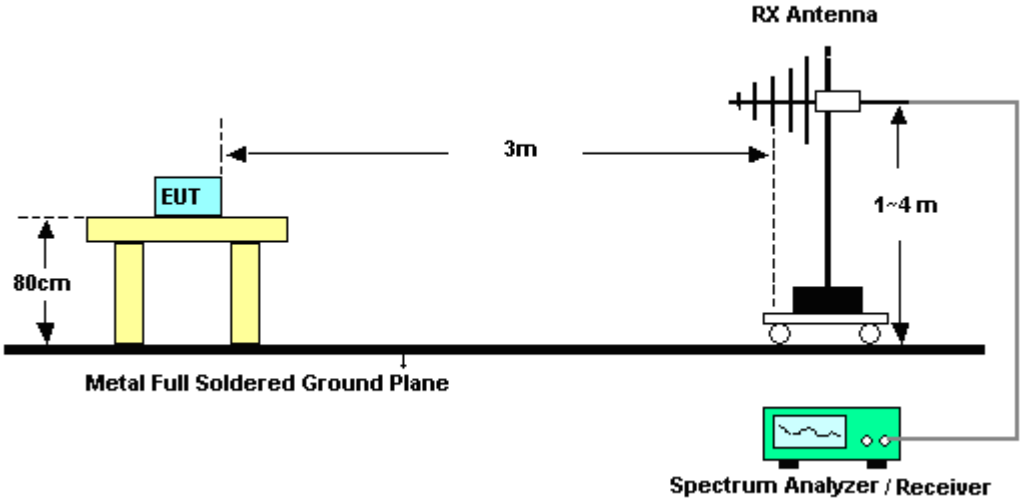
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting 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

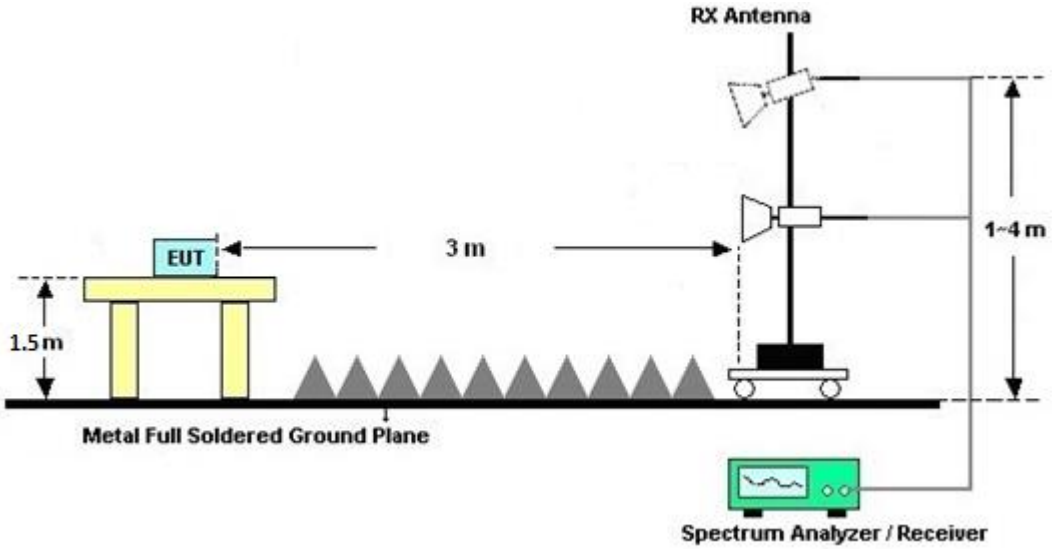
For radiated emissions below 30MHz



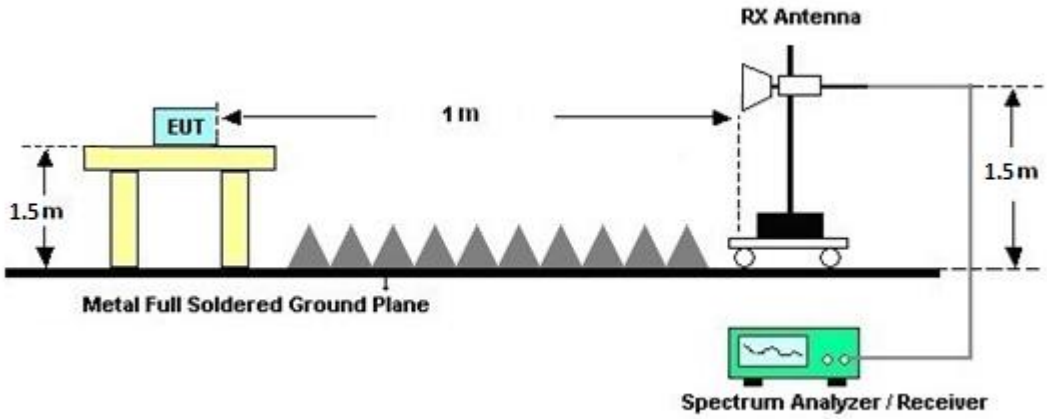
For radiated emissions from 30MHz to 1GHz



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.

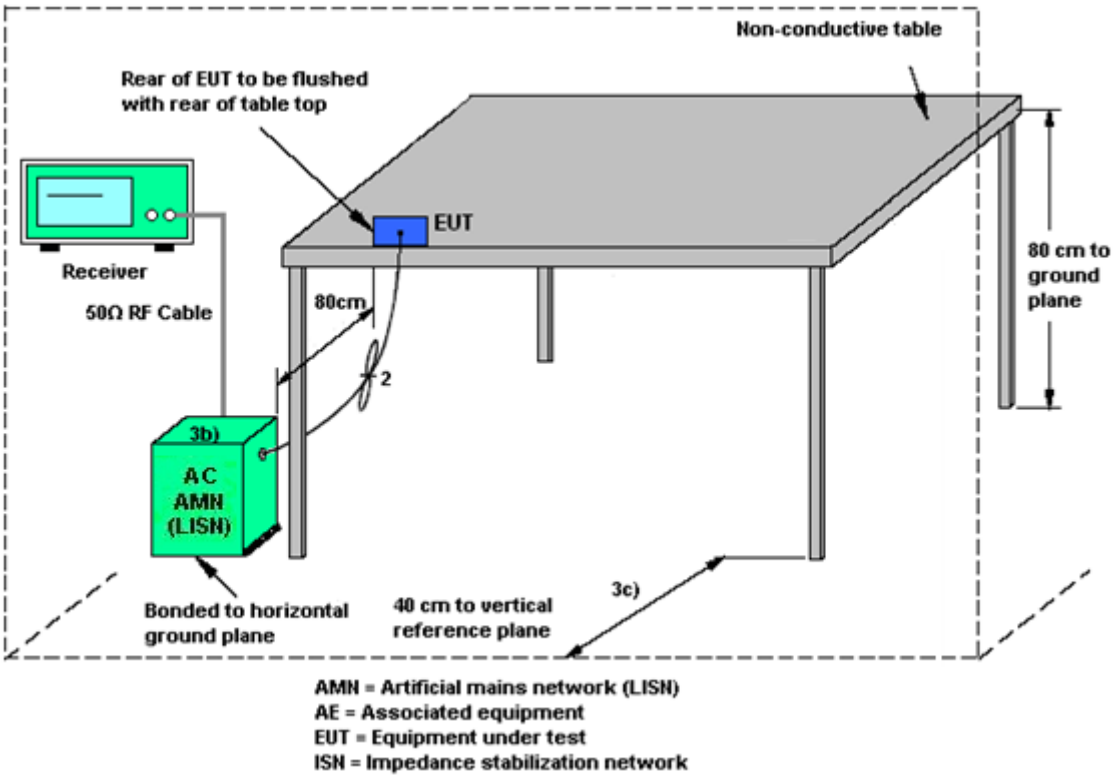
3.7.2 Measuring Instruments

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
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Mar. 25, 2024~ Apr. 22, 2024	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Oct. 15, 2023	Mar. 25, 2024~ Apr. 22, 2024	Oct. 14, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18EN	1GHz~18GHz	Jul. 12, 2023	Mar. 25, 2024~ Apr. 22, 2024	Jul. 11, 2024	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Mar. 25, 2024~ Apr. 22, 2024	Jul. 09, 2024	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 15, 2023	Mar. 25, 2024~ Apr. 22, 2024	Jul. 14, 2024	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Mar. 25, 2024~ Apr. 22, 2024	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Mar. 25, 2024~ Apr. 22, 2024	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Aug. 28, 2023	Mar. 25, 2024~ Apr. 22, 2024	Aug. 27, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Mar. 25, 2024~ Apr. 22, 2024	Mar. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,804614/2	30MHz~40GHz	Oct. 24, 2023	Mar. 25, 2024~ Apr. 22, 2024	Oct. 23, 2024	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 30, 2023	Mar. 25, 2024~ Apr. 22, 2024	Oct. 29, 2024	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 25, 2024~ Apr. 22, 2024	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Mar. 25, 2024~ Apr. 22, 2024	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Mar. 25, 2024~ Apr. 22, 2024	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Mar. 25, 2024~ Apr. 22, 2024	N/A	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Mar. 04, 2024~ Apr. 12, 2024	Nov. 06, 2024	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3008W	RPR8W-23010013 (NO:100)	10MHz~8GHz	Jul. 26, 2023	Mar. 04, 2024~ Apr. 12, 2024	Jul. 25, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Mar. 04, 2024~ Apr. 12, 2024	Sep. 11, 2024	Conducted (TH05-HY)
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Dec. 20, 2023	Mar. 04, 2024~ Mar. 06, 2024	Dec. 19, 2024	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3013	101549	10Hz~13.6GHz	Jan. 30, 2024	Mar. 04, 2024~ Mar. 06, 2024	Jan. 29, 2025	CBP (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10003	0.5GHz-6GHz	Calibration from System	Mar. 04, 2024~ Mar. 06, 2024	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	STI08-0010 (#1)	2GHz-8GHz	Calibration from System	Mar. 04, 2024~ Mar. 06, 2024	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A1	0.5-18GHz	Calibration from System	Mar. 04, 2024~ Mar. 06, 2024	Calibration from System	CBP (DF02-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	Mar. 30, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Mar. 30, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Mar. 30, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Mar. 30, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 30, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 28, 2023	Mar. 30, 2024	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Mar. 30, 2024	Dec. 27, 2024	Conduction (CO05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.50 dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.40 dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.60 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.60 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2024/03/04~2024/04/12	Relative Humidity:	51~54	%

<CDD Mode>

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 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	001	5955	16.38	16.38	20.26	19.74	320.00	Pass
11a	6Mbps	2	049	6195	16.33	16.38	19.83	19.51	320.00	Pass
11a	6Mbps	2	093	6415	16.38	16.38	20.28	19.57	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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	001	5955	0.20	0.00	3.11	3.37		6.48	24.00	Pass
11a	6Mbps	2	049	6195	0.20	0.00	3.11	3.37		6.48	24.00	Pass
11a	6Mbps	2	093	6415	0.10	0.10	3.11	3.37		6.48	24.00	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/MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	001	5955	0.03	0.03			-7.42	6.20		-1.22	-1.00	Pass
11a	6Mbps	2	049	6195	0.03	0.03			-7.67	6.20		-1.47	-1.00	Pass
11a	6Mbps	2	093	6415	0.03	0.03			-7.27	6.20		-1.07	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	097	6435	16.33	16.38	19.26	19.40	320.00	Pass
11a	6Mbps	2	105	6475	16.33	16.38	19.86	19.77	320.00	Pass
11a	6Mbps	2	113	6515	16.38	16.38	19.35	19.34	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	097	6435	0.70	0.50	3.61	3.06		6.67	24.00	Pass
11a	6Mbps	2	105	6475	0.80	0.70	3.76	3.06		6.82	24.00	Pass
11a	6Mbps	2	113	6515	0.50	0.20	3.36	3.06		6.42	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 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/MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	097	6435	0.03	0.03			-6.94	5.86		-1.08	-1.00	Pass
11a	6Mbps	2	105	6475	0.03	0.03			-7.22	5.86		-1.36	-1.00	Pass
11a	6Mbps	2	113	6515	0.03	0.03			-7.27	5.86		-1.42	-1.00	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 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	117	6535	16.33	16.38	19.98	19.37	320.00	Pass
11a	6Mbps	2	149	6695	16.38	16.38	19.71	19.46	320.00	Pass
11a	6Mbps	2	181	6855	16.38	16.38	19.70	19.76	320.00	Pass

U-NII-7 straddle channel MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	185	6875	16.38	16.38	19.82	19.22	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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	117	6535	0.40	0.30	3.36	3.15		6.51	24.00	Pass
11a	6Mbps	2	149	6695	0.80	0.40	3.61	3.15		6.76	24.00	Pass
11a	6Mbps	2	181	6855	1.00	1.20	4.11	3.15		7.26	24.00	Pass

U-NII-7 straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	185	6875	0.90	1.10	4.01	3.15		7.16	24.00	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/MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	117	6535	0.03	0.03			-7.32	5.99		-1.33	-1.00	Pass
11a	6Mbps	2	149	6695	0.03	0.03			-7.24	5.99		-1.26	-1.00	Pass
11a	6Mbps	2	181	6855	0.03	0.03			-7.35	5.99		-1.36	-1.00	Pass

FCC U-NII-7 straddle channel 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/MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	185	6875	0.03	0.03			-7.09	5.99		-1.11	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	189	6895	16.38	16.38	19.66	19.30	320.00	Pass
11a	6Mbps	2	209	6995	16.43	16.38	19.90	19.77	320.00	Pass
11a	6Mbps	2	233	7115	16.38	16.33	19.66	19.10	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	189	6895	1.40	1.20	4.31	2.81		7.12	24.00	Pass
11a	6Mbps	2	209	6995	1.70	1.40	4.56	2.81		7.37	24.00	Pass
11a	6Mbps	2	233	7115	0.90	0.80	3.86	2.81		6.67	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 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/MHz)	Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
11a	6Mbps	2	189	6895	0.03	0.03			-6.63	5.57		-1.05	-1.00	Pass
11a	6Mbps	2	209	6995	0.03	0.03			-6.68	5.57		-1.10	-1.00	Pass
11a	6Mbps	2	233	7115	0.03	0.03			-6.67	5.57		-1.09	-1.00	Pass

<SDM Mode>

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 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	001	5955	Full	19.03	19.03	21.10	20.73	320.00	Pass
HE20	MCS0	2	049	6195	Full	18.93	18.98	20.94	20.90	320.00	Pass
HE20	MCS0	2	093	6415	Full	18.98	19.03	20.82	20.79	320.00	Pass
HE40	MCS0	2	003	5965	Full	38.06	38.06	41.17	41.39	320.00	Pass
HE40	MCS0	2	051	6205	Full	38.06	38.16	41.10	41.46	320.00	Pass
HE40	MCS0	2	091	6405	Full	38.06	37.96	41.18	41.09	320.00	Pass
HE80	MCS0	2	007	5985	Full	76.96	76.84	80.99	81.06	320.00	Pass
HE80	MCS0	2	055	6225	Full	76.96	76.96	81.41	81.38	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.08	76.96	81.47	81.12	320.00	Pass
HE160	MCS0	2	015	6025	Full	156.32	156.08	164.98	164.54	320.00	Pass
HE160	MCS0	2	047	6185	Full	155.84	156.08	165.65	164.40	320.00	Pass
HE160	MCS0	2	079	6345	Full	156.08	156.08	165.17	164.74	320.00	Pass

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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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	001	5955	Full	4.10	3.70	6.91	3.37		10.28	24.00	Pass
HE20	MCS0	2	001	5955	26/0	-4.30	-5.10	-1.67	3.37		1.70	24.00	Pass
HE20	MCS0	2	001	5955	52/37	-1.20	-2.20	1.34	3.37		4.71	24.00	Pass
HE20	MCS0	2	001	5955	106/53	2.00	1.00	4.54	3.37		7.91	24.00	Pass
HE20	MCS0	2	049	6195	Full	4.10	3.70	6.91	3.37		10.28	24.00	Pass
HE20	MCS0	2	049	6195	26/4	-3.40	-4.10	-0.73	3.37		2.64	24.00	Pass
HE20	MCS0	2	049	6195	52/38	-1.80	-2.30	0.97	3.37		4.34	24.00	Pass
HE20	MCS0	2	049	6195	106/53	1.30	0.70	4.02	3.37		7.39	24.00	Pass
HE20	MCS0	2	093	6415	Full	3.40	3.90	6.67	3.37		10.04	24.00	Pass
HE20	MCS0	2	093	6415	26/8	-5.80	-5.00	-2.37	3.37		1.00	24.00	Pass
HE20	MCS0	2	093	6415	52/40	-3.10	-2.20	0.38	3.37		3.75	24.00	Pass
HE20	MCS0	2	093	6415	106/54	1.00	1.40	4.21	3.37		7.58	24.00	Pass
HE40	MCS0	2	003	5965	Full	6.00	5.80	8.91	3.37		12.28	24.00	Pass
HE40	MCS0	2	003	5965	242/61	5.30	4.90	8.11	3.37		11.48	24.00	Pass
HE40	MCS0	2	051	6205	Full	6.10	5.70	8.91	3.37		12.28	24.00	Pass
HE40	MCS0	2	051	6205	242/61	5.30	5.00	8.16	3.37		11.53	24.00	Pass
HE40	MCS0	2	091	6405	Full	6.10	5.80	8.96	3.37		12.33	24.00	Pass
HE40	MCS0	2	091	6405	242/62	5.20	5.50	8.36	3.37		11.73	24.00	Pass
HE80	MCS0	2	007	5985	Full	8.70	8.60	11.66	3.37		15.03	24.00	Pass
HE80	MCS0	2	007	5985	484/65	8.60	8.00	11.32	3.37		14.69	24.00	Pass
HE80	MCS0	2	055	6225	Full	8.40	7.90	11.17	3.37		14.54	24.00	Pass
HE80	MCS0	2	055	6225	484/65	8.00	7.40	10.72	3.37		14.09	24.00	Pass
HE80	MCS0	2	087	6385	Full	8.00	7.70	10.86	3.37		14.23	24.00	Pass
HE80	MCS0	2	087	6385	484/66	7.50	7.60	10.56	3.37		13.93	24.00	Pass
HE160	MCS0	2	015	6025	Full	11.00	11.00	14.01	3.37		17.38	24.00	Pass
HE160	MCS0	2	015	6025	996/67	10.70	10.70	13.71	3.37		17.08	24.00	Pass
HE160	MCS0	2	047	6185	Full	11.20	10.90	14.06	3.37		17.43	24.00	Pass
HE160	MCS0	2	047	6185	996/67	10.90	10.60	13.76	3.37		17.13	24.00	Pass
HE160	MCS0	2	079	6345	Full	10.80	10.80	13.81	3.37		17.18	24.00	Pass
HE160	MCS0	2	079	6345	996/S67	10.00	9.90	12.96	3.37		16.33	24.00	Pass

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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/MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	001	5955	Full	0.00	0.00			-4.27	3.19		-1.08	-1.00	Pass
HE20	MCS0	2	001	5955	26/0	0.64	0.65			-4.39	3.19		-1.20	-1.00	Pass
HE20	MCS0	2	001	5955	52/37	0.58	0.60			-4.37	3.19		-1.18	-1.00	Pass
HE20	MCS0	2	001	5955	106/53	0.66	0.66			-4.52	3.19		-1.33	-1.00	Pass
HE20	MCS0	2	049	6195	Full	0.00	0.00			-4.43	3.19		-1.24	-1.00	Pass
HE20	MCS0	2	049	6195	26/4	0.64	0.65			-4.65	3.19		-1.46	-1.00	Pass
HE20	MCS0	2	049	6195	52/38	0.58	0.60			-4.79	3.19		-1.60	-1.00	Pass
HE20	MCS0	2	049	6195	106/53	0.66	0.66			-4.87	3.19		-1.68	-1.00	Pass
HE20	MCS0	2	093	6415	Full	0.00	0.00			-4.40	3.19		-1.21	-1.00	Pass
HE20	MCS0	2	093	6415	26/8	0.64	0.65			-4.72	3.19		-1.53	-1.00	Pass
HE20	MCS0	2	093	6415	52/40	0.58	0.60			-4.86	3.19		-1.67	-1.00	Pass
HE20	MCS0	2	093	6415	106/54	0.66	0.66			-4.45	3.19		-1.26	-1.00	Pass
HE40	MCS0	2	003	5965	Full	0.00	0.00			-4.53	3.19		-1.34	-1.00	Pass
HE40	MCS0	2	003	5965	242/61	0.00	0.00			-4.91	3.19		-1.72	-1.00	Pass
HE40	MCS0	2	051	6205	Full	0.00	0.00			-4.55	3.19		-1.36	-1.00	Pass
HE40	MCS0	2	051	6205	242/61	0.00	0.00			-4.76	3.19		-1.57	-1.00	Pass
HE40	MCS0	2	091	6405	Full	0.00	0.00			-4.34	3.19		-1.15	-1.00	Pass
HE40	MCS0	2	091	6405	242/62	0.00	0.00			-4.42	3.19		-1.23	-1.00	Pass
HE80	MCS0	2	007	5985	Full	0.00	0.00			-4.23	3.19		-1.04	-1.00	Pass
HE80	MCS0	2	007	5985	484/65	0.04	0.04			-4.27	3.19		-1.08	-1.00	Pass
HE80	MCS0	2	055	6225	Full	0.00	0.00			-4.66	3.19		-1.47	-1.00	Pass
HE80	MCS0	2	055	6225	484/65	0.04	0.04			-4.76	3.19		-1.57	-1.00	Pass
HE80	MCS0	2	087	6385	Full	0.00	0.00			-4.58	3.19		-1.39	-1.00	Pass
HE80	MCS0	2	087	6385	484/66	0.04	0.04			-4.61	3.19		-1.42	-1.00	Pass
HE160	MCS0	2	015	6025	Full	0.00	0.00			-4.57	3.19		-1.38	-1.00	Pass
HE160	MCS0	2	015	6025	996/67	0.10	0.11			-4.72	3.19		-1.53	-1.00	Pass
HE160	MCS0	2	047	6185	Full	0.00	0.00			-4.58	3.19		-1.39	-1.00	Pass
HE160	MCS0	2	047	6185	996/67	0.10	0.11			-4.72	3.19		-1.53	-1.00	Pass
HE160	MCS0	2	079	6345	Full	0.00	0.00			-4.52	3.19		-1.33	-1.00	Pass
HE160	MCS0	2	079	6345	996/S67	0.10	0.11			-4.77	3.19		-1.58	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	097	6435	Full	18.93	18.98	20.88	20.99	320.00	Pass
HE20	MCS0	2	105	6475	Full	18.93	18.93	20.94	20.89	320.00	Pass
HE20	MCS0	2	113	6515	Full	18.93	19.03	21.08	21.13	320.00	Pass
HE40	MCS0	2	099	6445	Full	37.86	38.06	41.26	41.46	320.00	Pass
HE40	MCS0	2	107	6485	Full	38.06	38.06	41.44	41.10	320.00	Pass
HE80	MCS0	2	103	6465	Full	77.08	76.96	81.28	81.66	320.00	Pass

U-NII-6 straddle channel MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE40	MCS0	2	115	6525	Full	37.96	38.06	41.06	41.15	320.00	Pass
HE80	MCS0	2	119	6545	Full	76.96	76.96	81.92	81.76	320.00	Pass
HE160	MCS0	2	111	6505	Full	156.08	156.08	164.45	165.12	320.00	Pass

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TEST RESULTS DATA
EIRP Power Table

U-NII-6 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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	097	6435	Full	4.00	3.80	6.91	3.06		9.97	24.00	Pass
HE20	MCS0	2	097	6435	26/0	-4.60	-4.70	-1.64	3.06		1.42	24.00	Pass
HE20	MCS0	2	097	6435	52/37	-2.10	-1.70	1.11	3.06		4.17	24.00	Pass
HE20	MCS0	2	097	6435	106/53	1.20	1.40	4.31	3.06		7.37	24.00	Pass
HE20	MCS0	2	105	6475	Full	4.60	4.60	7.61	3.06		10.67	24.00	Pass
HE20	MCS0	2	105	6475	26/4	-2.90	-3.10	0.01	3.06		3.07	24.00	Pass
HE20	MCS0	2	105	6475	52/38	-1.40	-1.50	1.56	3.06		4.62	24.00	Pass
HE20	MCS0	2	105	6475	106/53	1.70	1.40	4.56	3.06		7.62	24.00	Pass
HE20	MCS0	2	113	6515	Full	4.20	4.10	7.16	3.06		10.22	24.00	Pass
HE20	MCS0	2	113	6515	26/8	-4.80	-4.80	-1.79	3.06		1.27	24.00	Pass
HE20	MCS0	2	113	6515	52/40	-1.70	-2.00	1.16	3.06		4.22	24.00	Pass
HE20	MCS0	2	113	6515	106/54	2.00	1.40	4.72	3.06		7.78	24.00	Pass
HE40	MCS0	2	099	6445	Full	6.50	6.10	9.31	3.06		12.37	24.00	Pass
HE40	MCS0	2	099	6445	242/61	5.50	5.60	8.56	3.06		11.62	24.00	Pass
HE40	MCS0	2	107	6485	Full	7.00	6.20	9.63	3.06		12.69	24.00	Pass
HE40	MCS0	2	107	6485	242/62	5.70	5.40	8.56	3.06		11.62	24.00	Pass
HE80	MCS0	2	103	6465	Full	8.80	8.20	11.52	3.06		14.58	24.00	Pass
HE80	MCS0	2	103	6465	484/65	8.00	7.70	10.86	3.06		13.92	24.00	Pass

U-NII-6 straddle channel 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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE40	MCS0	2	115	6525	Full	6.70	6.20	9.47	3.06		12.53	24.00	Pass
HE40	MCS0	2	115	6525	242/62	5.50	5.20	8.36	3.06		11.42	24.00	Pass
HE80	MCS0	2	119	6545	Full	9.00	8.40	11.72	3.06		14.78	24.00	Pass
HE80	MCS0	2	119	6545	484/65	8.70	8.10	11.42	3.06		14.48	24.00	Pass
HE160	MCS0	2	111	6505	Full	11.80	11.50	14.66	3.06		17.72	24.00	Pass
HE160	MCS0	2	111	6505	996/67	11.50	11.10	14.31	3.06		17.37	24.00	Pass
HE160	MCS0	2	111	6505	996/S67	11.30	10.40	13.88	3.06		16.94	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 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/MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	097	6435	Full	0.00	0.00			-4.17	2.85		-1.32	-1.00	Pass
HE20	MCS0	2	097	6435	26/0	0.64	0.65			-4.25	2.85		-1.40	-1.00	Pass
HE20	MCS0	2	097	6435	52/37	0.58	0.60			-4.44	2.85		-1.59	-1.00	Pass
HE20	MCS0	2	097	6435	106/53	0.66	0.66			-4.28	2.85		-1.43	-1.00	Pass
HE20	MCS0	2	105	6475	Full	0.00	0.00			-3.95	2.85		-1.10	-1.00	Pass
HE20	MCS0	2	105	6475	26/4	0.64	0.65			-4.04	2.85		-1.19	-1.00	Pass
HE20	MCS0	2	105	6475	52/38	0.58	0.60			-4.38	2.85		-1.53	-1.00	Pass
HE20	MCS0	2	105	6475	106/53	0.66	0.66			-4.27	2.85		-1.42	-1.00	Pass
HE20	MCS0	2	113	6515	Full	0.00	0.00			-4.12	2.85		-1.27	-1.00	Pass
HE20	MCS0	2	113	6515	26/8	0.64	0.65			-4.27	2.85		-1.42	-1.00	Pass
HE20	MCS0	2	113	6515	52/40	0.58	0.60			-4.48	2.85		-1.63	-1.00	Pass
HE20	MCS0	2	113	6515	106/54	0.66	0.66			-4.15	2.85		-1.30	-1.00	Pass
HE40	MCS0	2	099	6445	Full	0.00	0.00			-3.89	2.85		-1.04	-1.00	Pass
HE40	MCS0	2	099	6445	242/61	0.00	0.00			-4.01	2.85		-1.16	-1.00	Pass
HE40	MCS0	2	107	6485	Full	0.00	0.00			-3.95	2.85		-1.10	-1.00	Pass
HE40	MCS0	2	107	6485	242/62	0.00	0.00			-4.40	2.85		-1.55	-1.00	Pass
HE80	MCS0	2	103	6465	Full	0.00	0.00			-3.98	2.85		-1.13	-1.00	Pass
HE80	MCS0	2	103	6465	484/65	0.04	0.04			-4.45	2.85		-1.60	-1.00	Pass

U-NII-6 straddle channel 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/MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE40	MCS0	2	115	6525	Full	0.00	0.00			-3.89	2.85		-1.04	-1.00	Pass
HE40	MCS0	2	115	6525	242/62	0.00	0.00			-4.27	2.85		-1.42	-1.00	Pass
HE80	MCS0	2	119	6545	Full	0.00	0.00			-3.89	2.85		-1.04	-1.00	Pass
HE80	MCS0	2	119	6545	484/65	0.04	0.04			-3.95	2.85		-1.10	-1.00	Pass
HE160	MCS0	2	111	6505	Full	0.00	0.00			-3.87	2.85		-1.02	-1.00	Pass
HE160	MCS0	2	111	6505	996/67	0.10	0.11			-4.12	2.85		-1.27	-1.00	Pass
HE160	MCS0	2	111	6505	996/S67	0.10	0.11			-4.31	2.85		-1.46	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	117	6535	Full	18.93	18.98	21.11	21.22	320.00	Pass
HE20	MCS0	2	149	6695	Full	18.93	18.98	20.61	20.98	320.00	Pass
HE20	MCS0	2	181	6855	Full	19.03	19.03	20.97	20.71	320.00	Pass
HE40	MCS0	2	123	6565	Full	38.06	38.06	41.26	41.22	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.96	38.06	41.25	41.60	320.00	Pass
HE40	MCS0	2	179	6845	Full	38.06	38.06	41.14	41.57	320.00	Pass
HE80	MCS0	2	135	6625	Full	76.84	76.96	81.50	81.89	320.00	Pass
HE80	MCS0	2	151	6705	Full	76.72	76.96	81.38	81.95	320.00	Pass
HE80	MCS0	2	167	6785	Full	76.84	76.96	81.31	82.14	320.00	Pass
HE160	MCS0	2	143	6665	Full	155.60	156.08	164.59	164.83	320.00	Pass

U-NII-7 straddle channel MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	185	6875	Full	19.03	19.03	20.83	20.95	320.00	Pass
HE40	MCS0	2	187	6885	Full	38.06	38.16	41.30	41.39	320.00	Pass
HE80	MCS0	2	183	6865	Full	76.84	77.08	81.41	81.79	320.00	Pass
HE160	MCS0	2	175	6825	Full	155.84	156.32	164.02	164.83	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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	117	6535	Full	3.90	3.90	6.91	3.15		10.06	24.00	Pass
HE20	MCS0	2	117	6535	26/0	-5.00	-4.90	-1.94	3.15		1.21	24.00	Pass
HE20	MCS0	2	117	6535	52/37	-1.80	-2.10	1.06	3.15		4.21	24.00	Pass
HE20	MCS0	2	117	6535	106/53	1.50	1.20	4.36	3.15		7.51	24.00	Pass
HE20	MCS0	2	149	6695	Full	3.40	3.30	6.36	3.15		9.51	24.00	Pass
HE20	MCS0	2	149	6695	26/4	-4.00	-4.10	-1.04	3.15		2.11	24.00	Pass
HE20	MCS0	2	149	6695	52/38	-1.70	-1.90	1.21	3.15		4.36	24.00	Pass
HE20	MCS0	2	149	6695	106/53	1.30	1.10	4.21	3.15		7.36	24.00	Pass
HE20	MCS0	2	181	6855	Full	4.20	4.10	7.16	3.15		10.31	24.00	Pass
HE20	MCS0	2	181	6855	26/8	-4.50	-3.90	-1.18	3.15		1.97	24.00	Pass
HE20	MCS0	2	181	6855	52/40	-1.50	-0.90	1.82	3.15		4.97	24.00	Pass
HE20	MCS0	2	181	6855	106/54	1.80	2.40	5.12	3.15		8.27	24.00	Pass
HE40	MCS0	2	123	6565	Full	6.40	6.30	9.36	3.15		12.51	24.00	Pass
HE40	MCS0	2	123	6565	242/61	5.60	5.60	8.61	3.15		11.76	24.00	Pass
HE40	MCS0	2	147	6685	Full	6.20	5.90	9.06	3.15		12.21	24.00	Pass
HE40	MCS0	2	147	6685	242/61	4.90	5.10	8.01	3.15		11.16	24.00	Pass
HE40	MCS0	2	179	6845	Full	6.80	6.90	9.86	3.15		13.01	24.00	Pass
HE40	MCS0	2	179	6845	242/62	5.50	6.20	8.87	3.15		12.02	24.00	Pass
HE80	MCS0	2	135	6625	Full	8.40	8.10	11.26	3.15		14.41	24.00	Pass
HE80	MCS0	2	135	6625	484/65	7.80	7.60	10.71	3.15		13.86	24.00	Pass
HE80	MCS0	2	151	6705	Full	8.50	8.00	11.27	3.15		14.42	24.00	Pass
HE80	MCS0	2	151	6705	484/65	7.70	7.60	10.66	3.15		13.81	24.00	Pass
HE80	MCS0	2	167	6785	Full	8.00	7.70	10.86	3.15		14.01	24.00	Pass
HE80	MCS0	2	167	6785	484/66	7.10	7.20	10.16	3.15		13.31	24.00	Pass
HE160	MCS0	2	143	6665	Full	11.80	11.20	14.52	3.15		17.67	24.00	Pass
HE160	MCS0	2	143	6665	996/67	11.30	10.90	14.11	3.15		17.26	24.00	Pass

U-NII-7 straddle channel 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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	185	6875	Full	3.50	3.60	6.56	3.15		9.71	24.00	Pass
HE20	MCS0	2	185	6875	26/8	-5.30	-4.50	-1.87	3.15		1.28	24.00	Pass
HE20	MCS0	2	185	6875	52/40	-2.00	-1.40	1.32	3.15		4.47	24.00	Pass
HE20	MCS0	2	185	6875	106/54	1.30	1.80	4.57	3.15		7.72	24.00	Pass
HE40	MCS0	2	187	6885	Full	6.20	6.50	9.36	3.15		12.51	24.00	Pass
HE40	MCS0	2	187	6885	242/62	5.10	5.60	8.37	3.15		11.52	24.00	Pass
HE80	MCS0	2	183	6865	Full	8.80	8.50	11.66	3.15		14.81	24.00	Pass
HE80	MCS0	2	183	6865	484/66	7.70	8.40	11.07	3.15		14.22	24.00	Pass
HE160	MCS0	2	175	6825	Full	11.70	11.40	14.56	3.15		17.71	24.00	Pass
HE160	MCS0	2	175	6825	996/67	11.30	11.00	14.16	3.15		17.31	24.00	Pass
HE160	MCS0	2	175	6825	996/S67	11.00	10.80	13.91	3.15		17.06	24.00	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/MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	117	6535	Full	0.00	0.00			-4.34	2.98		-1.36	-1.00	Pass
HE20	MCS0	2	117	6535	26/0	0.64	0.65			-4.52	2.98		-1.54	-1.00	Pass
HE20	MCS0	2	117	6535	52/37	0.58	0.60			-4.61	2.98		-1.63	-1.00	Pass
HE20	MCS0	2	117	6535	106/53	0.66	0.66			-4.44	2.98		-1.46	-1.00	Pass
HE20	MCS0	2	149	6695	Full	0.00	0.00			-4.31	2.98		-1.33	-1.00	Pass
HE20	MCS0	2	149	6695	26/4	0.64	0.65			-4.73	2.98		-1.75	-1.00	Pass
HE20	MCS0	2	149	6695	52/38	0.58	0.60			-4.52	2.98		-1.54	-1.00	Pass
HE20	MCS0	2	149	6695	106/53	0.66	0.66			-4.58	2.98		-1.60	-1.00	Pass
HE20	MCS0	2	181	6855	Full	0.00	0.00			-4.19	2.98		-1.21	-1.00	Pass
HE20	MCS0	2	181	6855	26/8	0.64	0.65			-4.37	2.98		-1.39	-1.00	Pass
HE20	MCS0	2	181	6855	52/40	0.58	0.60			-4.56	2.98		-1.58	-1.00	Pass
HE20	MCS0	2	181	6855	106/54	0.66	0.66			-4.45	2.98		-1.47	-1.00	Pass
HE40	MCS0	2	123	6565	Full	0.00	0.00			-4.02	2.98		-1.04	-1.00	Pass
HE40	MCS0	2	123	6565	242/61	0.00	0.00			-4.03	2.98		-1.05	-1.00	Pass
HE40	MCS0	2	147	6685	Full	0.00	0.00			-4.46	2.98		-1.48	-1.00	Pass
HE40	MCS0	2	147	6685	242/61	0.00	0.00			-4.64	2.98		-1.66	-1.00	Pass
HE40	MCS0	2	179	6845	Full	0.00	0.00			-4.14	2.98		-1.16	-1.00	Pass
HE40	MCS0	2	179	6845	242/62	0.00	0.00			-4.25	2.98		-1.27	-1.00	Pass
HE80	MCS0	2	135	6625	Full	0.00	0.00			-4.07	2.98		-1.09	-1.00	Pass
HE80	MCS0	2	135	6625	484/65	0.04	0.04			-4.29	2.98		-1.31	-1.00	Pass
HE80	MCS0	2	151	6705	Full	0.00	0.00			-4.36	2.98		-1.38	-1.00	Pass
HE80	MCS0	2	151	6705	484/65	0.04	0.04			-4.58	2.98		-1.60	-1.00	Pass
HE80	MCS0	2	167	6785	Full	0.00	0.00			-4.73	2.98		-1.75	-1.00	Pass
HE80	MCS0	2	167	6785	484/66	0.04	0.04			-5.15	2.98		-2.17	-1.00	Pass
HE160	MCS0	2	143	6665	Full	0.00	0.00			-4.17	2.98		-1.19	-1.00	Pass
HE160	MCS0	2	143	6665	996/67	0.10	0.11			-4.42	2.98		-1.44	-1.00	Pass

U-NII-7 straddle channel 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/MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	185	6875	Full	0.00	0.00			-4.44	2.98		-1.46	-1.00	Pass
HE20	MCS0	2	185	6875	26/8	0.64	0.65			-4.69	2.98		-1.71	-1.00	Pass
HE20	MCS0	2	185	6875	52/40	0.58	0.60			-4.73	2.98		-1.75	-1.00	Pass
HE20	MCS0	2	185	6875	106/54	0.66	0.66			-4.61	2.98		-1.63	-1.00	Pass
HE40	MCS0	2	187	6885	Full	0.00	0.00			-4.24	2.98		-1.26	-1.00	Pass
HE40	MCS0	2	187	6885	242/62	0.00	0.00			-4.25	2.98		-1.27	-1.00	Pass
HE80	MCS0	2	183	6865	Full	0.00	0.00			-4.32	2.98		-1.34	-1.00	Pass
HE80	MCS0	2	183	6865	484/66	0.04	0.04			-4.45	2.98		-1.47	-1.00	Pass
HE160	MCS0	2	175	6825	Full	0.00	0.00			-4.15	2.98		-1.17	-1.00	Pass
HE160	MCS0	2	175	6825	996/67	0.10	0.11			-4.39	2.98		-1.41	-1.00	Pass
HE160	MCS0	2	175	6825	996/S67	0.10	0.11			-4.28	2.98		-1.30	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	189	6895	Full	18.98	19.03	20.98	20.78	320.00	Pass
HE20	MCS0	2	209	6995	Full	19.03	19.03	21.08	21.11	320.00	Pass
HE20	MCS0	2	233	7115	Full	18.93	18.98	20.87	20.82	320.00	Pass
HE40	MCS0	2	195	6925	Full	38.06	38.16	41.01	41.14	320.00	Pass
HE40	MCS0	2	211	7005	Full	38.06	38.06	40.98	41.34	320.00	Pass
HE40	MCS0	2	227	7085	Full	37.96	37.96	41.25	41.09	320.00	Pass
HE80	MCS0	2	199	6945	Full	76.96	76.96	81.31	81.15	320.00	Pass
HE80	MCS0	2	215	7025	Full	76.60	76.72	81.50	81.22	320.00	Pass
HE160	MCS0	2	207	6985	Full	155.84	156.08	163.54	164.64	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 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 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	189	6895	Full	4.10	3.90	7.01	2.81		9.82	24.00	Pass
HE20	MCS0	2	189	6895	26/0	-4.30	-4.20	-1.24	2.81		1.57	24.00	Pass
HE20	MCS0	2	189	6895	52/37	-1.40	-0.90	1.87	2.81		4.68	24.00	Pass
HE20	MCS0	2	189	6895	106/53	1.80	2.20	5.01	2.81		7.82	24.00	Pass
HE20	MCS0	2	209	6995	Full	4.40	4.00	7.21	2.81		10.02	24.00	Pass
HE20	MCS0	2	209	6995	26/4	-3.30	-2.90	-0.09	2.81		2.72	24.00	Pass
HE20	MCS0	2	209	6995	52/38	-1.30	-1.00	1.86	2.81		4.67	24.00	Pass
HE20	MCS0	2	209	6995	106/53	2.30	2.70	5.51	2.81		8.32	24.00	Pass
HE20	MCS0	2	233	7115	Full	3.00	3.00	6.01	2.81		8.82	24.00	Pass
HE20	MCS0	2	233	7115	26/8	-5.20	-4.20	-1.66	2.81		1.15	24.00	Pass
HE20	MCS0	2	233	7115	52/40	-2.30	-1.60	1.07	2.81		3.88	24.00	Pass
HE20	MCS0	2	233	7115	106/54	0.40	1.00	3.72	2.81		6.53	24.00	Pass
HE40	MCS0	2	195	6925	Full	6.70	6.70	9.71	2.81		12.52	24.00	Pass
HE40	MCS0	2	195	6925	242/61	5.20	6.10	8.68	2.81		11.49	24.00	Pass
HE40	MCS0	2	211	7005	Full	5.80	5.50	8.66	2.81		11.47	24.00	Pass
HE40	MCS0	2	211	7005	242/62	4.00	4.90	7.48	2.81		10.29	24.00	Pass
HE40	MCS0	2	227	7085	Full	5.80	5.70	8.76	2.81		11.57	24.00	Pass
HE40	MCS0	2	227	7085	242/62	4.20	5.20	7.74	2.81		10.55	24.00	Pass
HE80	MCS0	2	199	6945	Full	9.30	9.00	12.16	2.81		14.97	24.00	Pass
HE80	MCS0	2	199	6945	484/65	8.20	8.90	11.57	2.81		14.38	24.00	Pass
HE80	MCS0	2	215	7025	Full	8.40	8.10	11.26	2.81		14.07	24.00	Pass
HE80	MCS0	2	215	7025	484/66	7.40	8.00	10.72	2.81		13.53	24.00	Pass
HE160	MCS0	2	207	6985	Full	11.90	11.30	14.62	2.81		17.43	24.00	Pass
HE160	MCS0	2	207	6985	996/67	11.40	11.10	14.26	2.81		17.07	24.00	Pass
HE160	MCS0	2	207	6985	996/S67	10.60	10.20	13.41	2.81		16.22	24.00	Pass

Report Number : FR422224G

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 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/MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	SUM		
HE20	MCS0	2	189	6895	Full	0.00	0.00			-3.90	2.57		-1.33	-1.00	Pass
HE20	MCS0	2	189	6895	26/0	0.64	0.65			-4.15	2.57		-1.58	-1.00	Pass
HE20	MCS0	2	189	6895	52/37	0.58	0.60			-4.21	2.57		-1.64	-1.00	Pass
HE20	MCS0	2	189	6895	106/53	0.66	0.66			-4.17	2.57		-1.60	-1.00	Pass
HE20	MCS0	2	209	6995	Full	0.00	0.00			-4.00	2.57		-1.43	-1.00	Pass
HE20	MCS0	2	209	6995	26/4	0.64	0.65			-4.36	2.57		-1.79	-1.00	Pass
HE20	MCS0	2	209	6995	52/38	0.58	0.60			-4.41	2.57		-1.84	-1.00	Pass
HE20	MCS0	2	209	6995	106/53	0.66	0.66			-4.03	2.57		-1.46	-1.00	Pass
HE20	MCS0	2	233	7115	Full	0.00	0.00			-3.90	2.57		-1.33	-1.00	Pass
HE20	MCS0	2	233	7115	26/8	0.64	0.65			-4.04	2.57		-1.47	-1.00	Pass
HE20	MCS0	2	233	7115	52/40	0.58	0.60			-4.14	2.57		-1.57	-1.00	Pass
HE20	MCS0	2	233	7115	106/54	0.66	0.66			-4.65	2.57		-2.08	-1.00	Pass
HE40	MCS0	2	195	6925	Full	0.00	0.00			-3.99	2.57		-1.42	-1.00	Pass
HE40	MCS0	2	195	6925	242/61	0.00	0.00			-4.22	2.57		-1.65	-1.00	Pass
HE40	MCS0	2	211	7005	Full	0.00	0.00			-3.93	2.57		-1.36	-1.00	Pass
HE40	MCS0	2	211	7005	242/62	0.00	0.00			-4.40	2.57		-1.83	-1.00	Pass
HE40	MCS0	2	227	7085	Full	0.00	0.00			-4.03	2.57		-1.46	-1.00	Pass
HE40	MCS0	2	227	7085	242/62	0.00	0.00			-4.35	2.57		-1.78	-1.00	Pass
HE80	MCS0	2	199	6945	Full	0.00	0.00			-3.71	2.57		-1.14	-1.00	Pass
HE80	MCS0	2	199	6945	484/65	0.04	0.04			-4.14	2.57		-1.57	-1.00	Pass
HE80	MCS0	2	215	7025	Full	0.00	0.00			-3.63	2.57		-1.06	-1.00	Pass
HE80	MCS0	2	215	7025	484/66	0.04	0.04			-3.84	2.57		-1.27	-1.00	Pass
HE160	MCS0	2	207	6985	Full	0.00	0.00			-3.94	2.57		-1.37	-1.00	Pass
HE160	MCS0	2	207	6985	996/67	0.10	0.11			-4.19	2.57		-1.62	-1.00	Pass
HE160	MCS0	2	207	6985	996/S67	0.10	0.11			-4.00	2.57		-1.43	-1.00	Pass

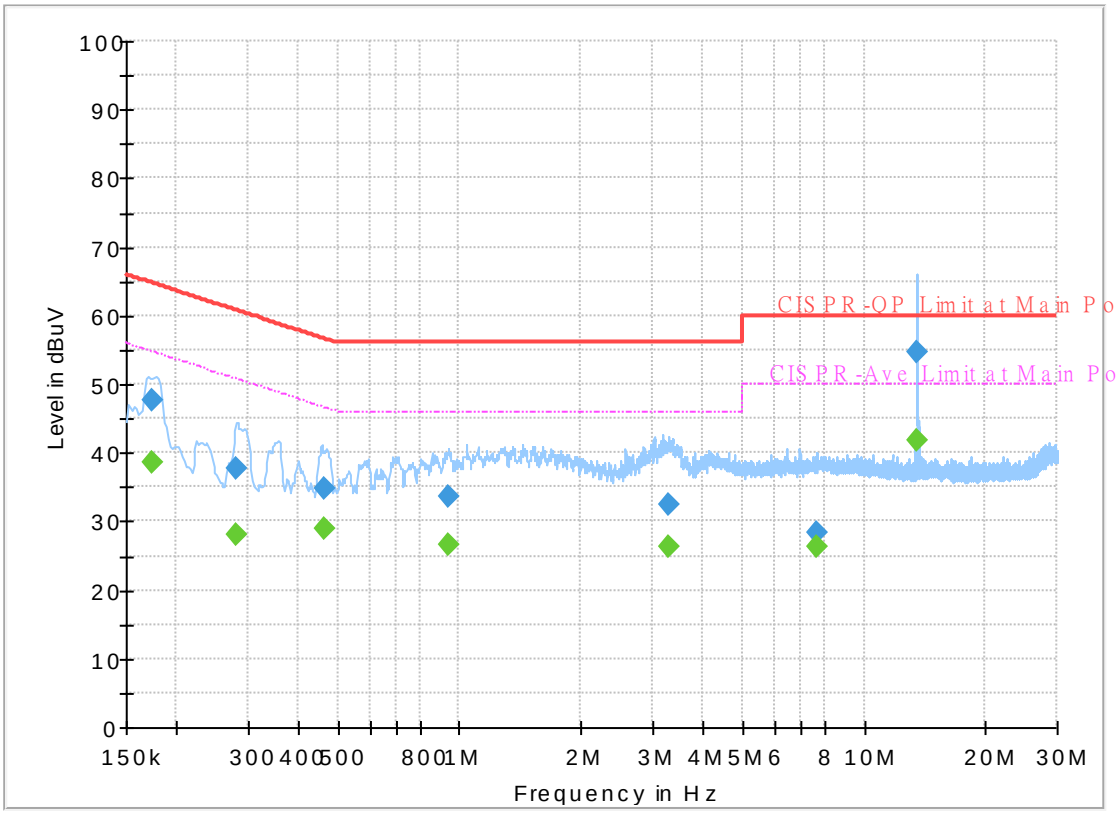
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	422224
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



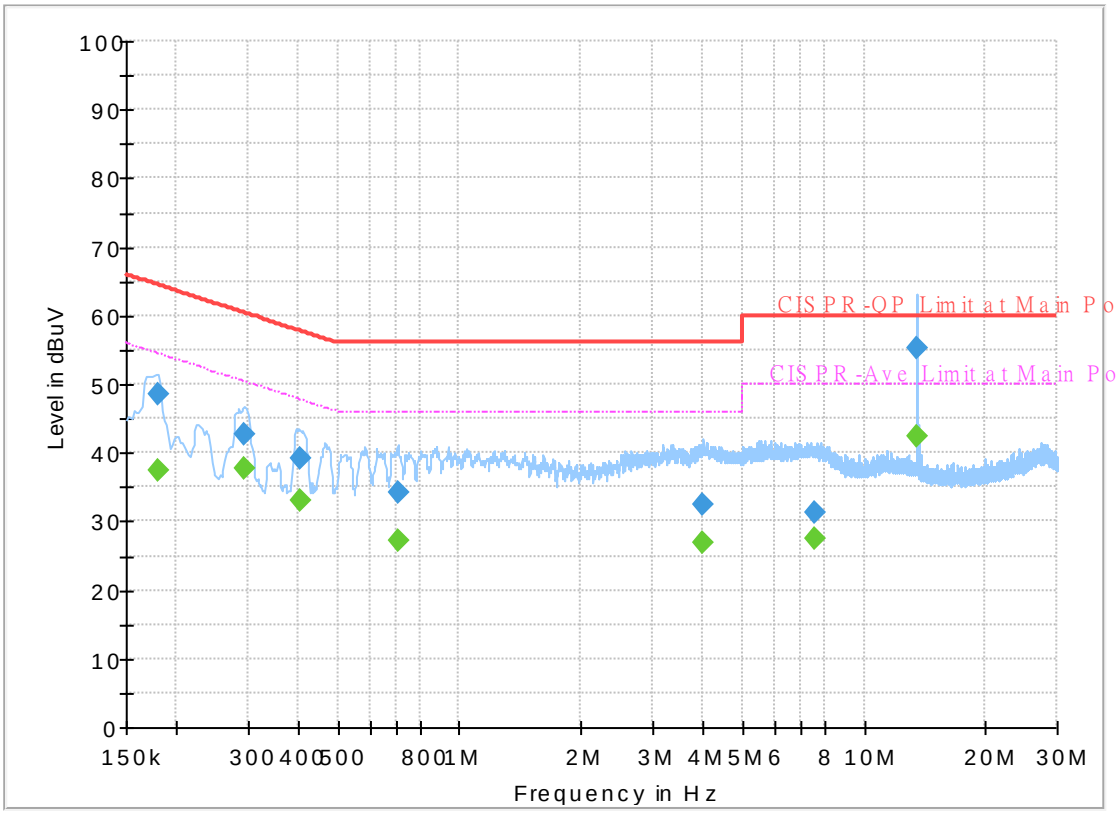
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174750	---	38.51	54.73	16.22	L1	OFF	19.8
0.174750	47.70	---	64.73	17.03	L1	OFF	19.8
0.280500	---	27.99	50.80	22.81	L1	OFF	19.8
0.280500	37.72	---	60.80	23.08	L1	OFF	19.8
0.462750	---	28.87	46.64	17.77	L1	OFF	19.8
0.462750	34.82	---	56.64	21.82	L1	OFF	19.8
0.937500	---	26.60	46.00	19.40	L1	OFF	19.8
0.937500	33.53	---	56.00	22.47	L1	OFF	19.8
3.291000	---	26.26	46.00	19.74	L1	OFF	19.9
3.291000	32.48	---	56.00	23.52	L1	OFF	19.9
7.647000	---	26.26	50.00	23.74	L1	OFF	20.1
7.647000	28.41	---	60.00	31.59	L1	OFF	20.1
13.560000	---	41.90	50.00	8.10	L1	OFF	20.2
13.560000	54.66	---	60.00	5.34	L1	OFF	20.2

EUT Information

Report NO :	422224
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)
0.179250	---	37.29	54.52	17.23	N	OFF	19.8
0.179250	48.41	---	64.52	16.11	N	OFF	19.8
0.294000	---	37.84	50.41	12.57	N	OFF	19.8
0.294000	42.67	---	60.41	17.74	N	OFF	19.8
0.404250	---	33.01	47.77	14.76	N	OFF	19.8
0.404250	39.26	---	57.77	18.51	N	OFF	19.8
0.703500	---	27.25	46.00	18.75	N	OFF	19.8
0.703500	34.18	---	56.00	21.82	N	OFF	19.8
4.011000	---	27.01	46.00	18.99	N	OFF	20.0
4.011000	32.55	---	56.00	23.45	N	OFF	20.0
7.559250	---	27.48	50.00	22.52	N	OFF	20.1
7.559250	31.38	---	60.00	28.62	N	OFF	20.1
13.560000	---	42.47	50.00	7.53	N	OFF	20.3
13.560000	55.25	---	60.00	4.75	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Jack Cheng, Ray Lung and Sky Chang	Temperature :	18~26°C
		Relative Humidity :	50~70%

<Sample 1>

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5923.88	62.92	-25.28	88.2	50.81	33.8	13.5	35.19	103	187	P	H
		5925	54.88	-13.32	68.2	42.78	33.8	13.5	35.2	103	187	A	H
	*	5955	112.72	-	-	100.6	33.8	13.54	35.22	103	187	P	H
	*	5955	105.18	-	-	93.06	33.8	13.54	35.22	103	187	A	H
													H
													H
		5924.2	63.3	-24.9	88.2	51.19	33.8	13.5	35.19	100	155	P	V
		5925	55.53	-12.67	68.2	43.43	33.8	13.5	35.2	100	155	A	V
	*	5955	115.58	-	-	103.46	33.8	13.54	35.22	100	155	P	V
	*	5955	108.81	-	-	96.69	33.8	13.54	35.22	100	155	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 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	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		7940	46.59	-41.61	88.2	31.51	36.6	15.74	37.26	-	-	P	H
		11910	49.8	-24.2	74	32.62	38.5	19.89	41.21	-	-	P	H
		11910	39.58	-14.42	54	22.4	38.5	19.89	41.21	-	-	A	H
		17865	52.67	-21.33	74	35.43	40.23	24.39	47.38	-	-	P	H
		17865	43.58	-10.42	54	26.34	40.23	24.39	47.38	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		7940	49.62	-38.58	88.2	34.54	36.6	15.74	37.26	-	-	P	V
		11910	49.75	-24.25	74	32.57	38.5	19.89	41.21	-	-	P	V
		11910	39.81	-14.19	54	22.63	38.5	19.89	41.21	-	-	A	V
		17865	51.31	-22.69	74	34.07	40.23	24.39	47.38	-	-	P	V
		17865	43.61	-10.39	54	26.37	40.23	24.39	47.38	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12390	51	-23	74	33.03	38.96	20.3	41.29	-	-	P	H
		12390	42.05	-11.95	54	24.08	38.96	20.3	41.29	-	-	A	H
		18585	42.29	-31.71	74	52.78	38.27	15.02	63.78	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 49 6195MHz													H
		12390	51.88	-22.12	74	33.91	38.96	20.3	41.29	-	-	P	V
		12390	43.57	-10.43	54	25.6	38.96	20.3	41.29	-	-	A	V
		18585	44.95	-29.05	74	55.44	38.27	15.02	63.78	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12830	51.56	-36.64	88.2	32.02	40.22	20.67	41.35	-	-	P	H
		12830	41.63	-26.57	68.2	22.09	40.22	20.67	41.35	-	-	A	H
		19245	42.44	-31.56	74	52.55	38	15.5	63.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 93 6415MHz													H
		12830	52.14	-36.06	88.2	32.6	40.22	20.67	41.35	-	-	P	V
		12830	41.93	-26.27	68.2	22.39	40.22	20.67	41.35	-	-	A	V
		19245	47.52	-26.48	74	57.63	38	15.5	63.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5922.92	64.18	-24.02	88.2	52.07	33.8	13.5	35.19	109	180	P	H
		5925	53.13	-15.07	68.2	41.03	33.8	13.5	35.2	109	180	A	H
	*	5955	112.84	-	-	100.72	33.8	13.54	35.22	109	180	P	H
	*	5955	106.04	-	-	93.92	33.8	13.54	35.22	109	180	A	H
802.11ax													H
HE20 Full													H
CH 01		5924.84	69.62	-18.58	88.2	57.52	33.8	13.5	35.2	277	156	P	V
5955MHz		5925	56.58	-11.62	68.2	44.48	33.8	13.5	35.2	277	156	A	V
	*	5955	113.12	-	-	101	33.8	13.54	35.22	277	156	P	V
	*	5955	106.44	-	-	94.32	33.8	13.54	35.22	277	156	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. 0+1	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)
		11910	49.47	-24.53	74	32.29	38.5	19.89	41.21	-	-	P	H
		11910	39.62	-14.38	54	22.44	38.5	19.89	41.21	-	-	A	H
		17865	61.5	-12.5	74	44.26	40.23	24.39	47.38	208	190	P	H
		17865	49.65	-4.35	54	32.41	40.23	24.39	47.38	208	190	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 01		11910	49.55	-24.45	74	32.37	38.5	19.89	41.21	-	-	P	V
5955MHz		11910	39.83	-14.17	54	22.65	38.5	19.89	41.21	-	-	A	V
		17865	61.75	-12.25	74	44.51	40.23	24.39	47.38	100	196	P	V
		17865	50.5	-3.5	54	33.26	40.23	24.39	47.38	100	196	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12390	49.76	-24.24	74	31.79	38.96	20.3	41.29	-	-	P	H
		18585	41.18	-32.82	74	51.67	38.27	15.02	63.78	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 49		12390	49.92	-24.08	74	31.95	38.96	20.3	41.29	-	-	P	V
6195MHz		18585	46.11	-27.89	74	56.6	38.27	15.02	63.78	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12830	53.06	-35.14	88.2	33.52	40.22	20.67	41.35	-	-	P	H
		19245	43.15	-30.85	74	53.26	38	15.5	63.61	-	-	P	H
		25660	39.75	-48.45	88.2	41.48	38.96	19.78	60.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 93		12830	54.31	-33.89	88.2	34.77	40.22	20.67	41.35	-	-	P	V
6415MHz		19245	47.04	-26.96	74	57.15	38	15.5	63.61	-	-	P	V
		25660	43.39	-44.81	88.2	45.12	38.96	19.78	60.47	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5923.88	86.9	-1.3	88.2	74.79	33.8	13.5	35.19	125	187	P	H
		5925	64.87	-3.33	68.2	52.77	33.8	13.5	35.2	125	187	A	H
	*	5955	112.87	-	-	100.75	33.8	13.54	35.22	125	187	P	H
802.11ax	*	5955	105.43	-	-	93.31	33.8	13.54	35.22	125	187	A	H
HE20													H
Partial													H
106/53		5922.92	87.06	-1.14	88.2	74.95	33.8	13.5	35.19	140	156	P	V
CH 01		5925	65.18	-3.02	68.2	53.08	33.8	13.5	35.2	140	156	A	V
5955MHz	*	5955	116.82	-	-	104.7	33.8	13.54	35.22	140	156	P	V
	*	5955	110.28	-	-	98.16	33.8	13.54	35.22	140	156	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 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5921.64	71.98	-16.22	88.2	59.87	33.8	13.5	35.19	329	190	P	H
		5925	60.17	-8.03	68.2	48.07	33.8	13.5	35.2	329	190	A	H
	*	5965	112.38	-	-	100.26	33.8	13.55	35.23	329	190	P	H
	*	5965	102.72	-	-	90.6	33.8	13.55	35.23	329	190	A	H
802.11ax													H
HE40 Full													H
CH 03		5924.2	71.14	-17.06	88.2	59.03	33.8	13.5	35.19	113	161	P	V
5965MHz		5925	61.78	-6.42	68.2	49.68	33.8	13.5	35.2	113	161	A	V
	*	5965	114.4	-	-	102.28	33.8	13.55	35.23	113	161	P	V
	*	5965	106.7	-	-	94.58	33.8	13.55	35.23	113	161	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. 0+1	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)
		11930	49.97	-24.03	74	32.8	38.5	19.91	41.24	-	-	P	H
		17895	56.97	-17.03	74	39.62	40.29	24.41	47.35	204	190	P	H
		17895	46.68	-7.32	54	29.33	40.29	24.41	47.35	204	190	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 03		11930	49.05	-24.95	74	31.88	38.5	19.91	41.24	-	-	P	V
5965MHz		17895	58.29	-15.71	74	40.94	40.29	24.41	47.35	101	197	P	V
		17895	47.46	-6.54	54	30.11	40.29	24.41	47.35	101	197	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12410	53.33	-20.67	74	35.27	39.04	20.31	41.29	100	236	P	H
		12410	43.92	-10.08	54	25.86	39.04	20.31	41.29	100	236	A	H
		18615	40.98	-33.02	74	51.47	38.24	15.05	63.78	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 51		12410	55.21	-18.79	74	37.15	39.04	20.31	41.29	280	197	P	V
6205MHz		12410	44.85	-9.15	54	26.79	39.04	20.31	41.29	280	197	A	V
		18615	45.28	-28.72	74	55.77	38.24	15.05	63.78	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12810	52.38	-15.82	68.2	32.94	40.14	20.65	41.35	-	-	P	H
		19215	42.59	-31.41	74	52.73	38	15.48	63.62	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 91		12810	53.16	-15.04	68.2	33.72	40.14	20.65	41.35	-	-	P	V
6405MHz		19215	46.45	-27.55	74	56.59	38	15.48	63.62	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5923.24	79.74	-8.46	88.2	67.63	33.8	13.5	35.19	100	181	P	H
		5922.92	62.52	-5.68	68.2	50.41	33.8	13.5	35.19	100	181	A	H
	*	5965	109.27	-	-	97.15	33.8	13.55	35.23	100	181	P	H
802.11ax	*	5965	101.76	-	-	89.64	33.8	13.55	35.23	100	181	A	H
HE40													H
Partial													H
242/61		5920.68	82.21	-5.99	88.2	70.11	33.8	13.49	35.19	115	162	P	V
CH 03		5922.92	64.3	-3.9	68.2	52.19	33.8	13.5	35.19	115	162	A	V
5965MHz	*	5965	113.36	-	-	101.24	33.8	13.55	35.23	115	162	P	V
	*	5965	104.84	-	-	92.72	33.8	13.55	35.23	115	162	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 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5920.04	75.7	-12.5	88.2	63.6	33.8	13.49	35.19	101	191	P	H
		5923.88	64.11	-4.09	68.2	52	33.8	13.5	35.19	101	191	A	H
	*	5985	105.71	-	-	93.59	33.8	13.57	35.25	101	191	P	H
	*	5985	98.18	-	-	86.06	33.8	13.57	35.25	101	191	A	H
802.11ax													H
HE80 Full													H
CH 07		5921.64	76.11	-12.09	88.2	64	33.8	13.5	35.19	119	170	P	V
5985MHz		5921	65.67	-2.53	68.2	53.56	33.8	13.5	35.19	119	170	A	V
	*	5985	113.23	-	-	101.11	33.8	13.57	35.25	119	170	P	V
	*	5985	103.86	-	-	91.74	33.8	13.57	35.25	119	170	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. 0+1	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)
		11970	49.25	-24.75	74	32.07	38.54	19.94	41.3	-	-	P	H
		11970	39.6	-14.4	54	22.42	38.54	19.94	41.3	-	-	A	H
		17955	51.8	-22.2	74	34.15	40.49	24.09	47.29	-	-	P	H
		17955	46.97	-7.03	54	29.32	40.49	24.09	47.29	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 07		11970	49.57	-24.43	74	32.39	38.54	19.94	41.3	-	-	P	V
5985MHz		11970	39.56	-14.44	54	22.38	38.54	19.94	41.3	-	-	A	V
		17955	52.33	-21.67	74	34.68	40.49	24.09	47.29	-	-	P	V
		17955	49.49	-4.51	54	31.84	40.49	24.09	47.29	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12450	51.74	-22.26	74	33.48	39.2	20.35	41.29	-	-	P	H
		12450	40.71	-13.29	54	22.45	39.2	20.35	41.29	-	-	A	H
		18675	39.53	-34.47	74	50.25	37.95	15.09	63.76	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 55		12450	51.31	-22.69	74	33.05	39.2	20.35	41.29	-	-	P	V
6225MHz		12450	40.73	-13.27	54	22.47	39.2	20.35	41.29	-	-	A	V
		18675	45.48	-28.52	74	56.2	37.95	15.09	63.76	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12770	51.24	-36.96	88.2	31.98	39.98	20.62	41.34	-	-	P	H
		19155	41.78	-32.22	74	51.53	38.45	15.44	63.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 87		12770	53.01	-35.19	88.2	33.75	39.98	20.62	41.34	-	-	P	V
6385MHz		19155	44.54	-29.46	74	54.29	38.45	15.44	63.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5924.84	81.91	-6.29	88.2	69.81	33.8	13.5	35.2	294	186	P	H
		5924.84	63.77	-4.43	68.2	51.67	33.8	13.5	35.2	294	186	A	H
	*	5985	105.82	-	-	93.7	33.8	13.57	35.25	294	186	P	H
802.11ax	*	5985	97.74	-	-	85.62	33.8	13.57	35.25	294	186	A	H
HE80													H
Partial													H
484/65		5919.4	83.28	-4.92	88.2	71.18	33.8	13.49	35.19	101	166	P	V
CH 07		5924.84	64.83	-3.37	68.2	52.73	33.8	13.5	35.2	101	166	A	V
5985MHz	*	5985	112.35	-	-	100.23	33.8	13.57	35.25	101	166	P	V
	*	5985	102.96	-	-	90.84	33.8	13.57	35.25	101	166	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 HE160 Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5901.8	67.38	-20.82	88.2	55.29	33.8	13.47	35.18	100	262	P	H
		5900.52	57.88	-10.32	68.2	45.78	33.8	13.47	35.17	100	262	A	H
	*	6025	102.77	-	-	90.58	33.85	13.62	35.28	100	262	P	H
	*	6025	95.59	-	-	83.4	33.85	13.62	35.28	100	262	A	H
802.11ax													H
HE160 Full													H
CH 15		5890.92	74.42	-13.78	88.2	62.33	33.8	13.46	35.17	100	151	P	V
6025MHz		5898.92	65.44	-2.76	68.2	53.34	33.8	13.47	35.17	100	151	A	V
	*	6025	107.66	-	-	95.47	33.85	13.62	35.28	100	151	P	V
	*	6025	100.01	-	-	87.82	33.85	13.62	35.28	100	151	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. 0+1	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)
		12050	50.41	-23.59	74	33.03	38.7	20.01	41.33	-	-	P	H
		12050	39.42	-14.58	54	22.04	38.7	20.01	41.33	-	-	A	H
		18075	38.94	-35.06	74	50.67	37.6	14.64	63.97	-	-	P	H
		24100	40.6	-47.6	88.2	42.88	39.1	18.86	60.24	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 15		12050	49.64	-24.36	74	32.26	38.7	20.01	41.33	-	-	P	V
6025MHz		12050	39.46	-14.54	54	22.08	38.7	20.01	41.33	-	-	A	V
		18075	38.43	-35.57	74	50.16	37.6	14.64	63.97	-	-	P	V
		24100	43.15	-45.05	88.2	45.43	39.1	18.86	60.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12370	49.75	-24.25	74	31.89	38.88	20.28	41.3	-	-	P	H
		12370	39.96	-14.04	54	22.1	38.88	20.28	41.3	-	-	A	H
		18555	39.64	-34.36	74	50.22	38.21	15	63.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 47		12370	49.47	-24.53	74	31.61	38.88	20.28	41.3	-	-	P	V
6185MHz		12370	40.03	-13.97	54	22.17	38.88	20.28	41.3	-	-	A	V
		18555	42.9	-31.1	74	53.48	38.21	15	63.79	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12690	50.45	-23.55	74	31.42	39.8	20.55	41.32	-	-	P	H
		12690	40.91	-13.09	54	21.88	39.8	20.55	41.32	-	-	A	H
		19035	39.39	-34.61	74	49.25	38.47	15.36	63.69	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 79		12690	51.03	-22.97	74	32	39.8	20.55	41.32	-	-	P	V
6345MHz		12690	40.94	-13.06	54	21.91	39.8	20.55	41.32	-	-	A	V
		19035	43.43	-30.57	74	53.29	38.47	15.36	63.69	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5907.24	81.87	-6.33	88.2	69.77	33.8	13.48	35.18	101	179	P	H
		5921.32	66.94	-1.26	68.2	54.83	33.8	13.5	35.19	101	179	A	H
	*	6025	106.67	-	-	94.48	33.85	13.62	35.28	101	179	P	H
802.11ax	*	6025	98.06	-	-	85.87	33.85	13.62	35.28	101	179	A	H
HE160													H
Partial													H
996/67		5878.76	82.05	-6.15	88.2	69.97	33.8	13.44	35.16	102	149	P	V
CH 15		5921.64	66.66	-1.54	68.2	54.55	33.8	13.5	35.19	102	149	A	V
6025MHz	*	6025	109.69	-	-	97.5	33.85	13.62	35.28	102	149	P	V
	*	6025	100.73	-	-	88.54	33.85	13.62	35.28	102	149	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 6 6425~6525MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	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 97 6435MHz		12870	50.85	-37.35	88.2	31.25	40.26	20.7	41.36	-	-	P	H
		19305	38.92	-35.08	74	48.81	38.16	15.54	63.59	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12870	51.54	-36.66	88.2	31.94	40.26	20.7	41.36	-	-	P	V
		19305	38.83	-35.17	74	48.72	38.16	15.54	63.59	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12950	51.04	-37.16	88.2	31.35	40.3	20.77	41.38	-	-	P	H
		19425	39.46	-34.54	74	49.29	38.1	15.62	63.55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 105 6475MHz													H
		12950	52.04	-36.16	88.2	32.35	40.3	20.77	41.38	-	-	P	V
		19425	39.93	-34.07	74	49.76	38.1	15.62	63.55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13030	50.66	-17.54	68.2	31.21	40.08	20.83	41.46	-	-	P	H
		19545	38.81	-35.19	74	48.39	38.16	15.71	63.45	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 113 6515MHz													H
		13030	51.37	-16.83	68.2	31.92	40.08	20.83	41.46	-	-	P	V
		19545	39.62	-34.38	74	49.2	38.16	15.71	63.45	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 6 6425~6525MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		12870	51.37	-36.83	88.2	31.77	40.26	20.7	41.36	-	-	P	H
		19305	39.36	-34.64	74	49.25	38.16	15.54	63.59	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 97		12870	50.9	-37.3	88.2	31.3	40.26	20.7	41.36	-	-	P	V
6435MHz		19305	39.26	-34.74	74	49.15	38.16	15.54	63.59	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12951	51.41	-36.79	88.2	31.72	40.3	20.77	41.38	-	-	P	H
		19425	38.9	-35.1	74	48.73	38.1	15.62	63.55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 105		12951	51.56	-36.64	88.2	31.87	40.3	20.77	41.38	-	-	P	V
6475MHz		19425	40.03	-33.97	74	49.86	38.1	15.62	63.55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13030	50.48	-37.72	88.2	31.03	40.08	20.83	41.46	-	-	P	H
		19545	39.12	-34.88	74	48.7	38.16	15.71	63.45	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 113		13030	51.86	-36.34	88.2	32.41	40.08	20.83	41.46	-	-	P	V
6515MHz		19545	38.71	-35.29	74	48.29	38.16	15.71	63.45	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 6 6425~6525MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		12890	51.54	-16.66	68.2	31.97	40.22	20.72	41.37	-	-	P	H
		19335	38.89	-35.11	74	48.99	37.92	15.56	63.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 99		12890	51.03	-17.17	68.2	31.46	40.22	20.72	41.37	-	-	P	V
6445MHz		19335	37.74	-36.26	74	47.84	37.92	15.56	63.58	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		12970	51.11	-17.09	68.2	31.45	40.26	20.78	41.38	-	-	P	H
		19455	38.33	-35.67	74	48.25	37.98	15.64	63.54	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 107		12970	51.38	-16.82	68.2	31.72	40.26	20.78	41.38	-	-	P	V
6485MHz		19455	39	-35	74	48.92	37.98	15.64	63.54	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13050	51.4	-16.8	68.2	32.06	40	20.85	41.51	-	-	P	H
		19575	38.12	-35.88	74	47.54	38.25	15.73	63.4	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 115		13050	51.35	-16.85	68.2	32.01	40	20.85	41.51	-	-	P	V
6525MHz		19575	39.95	-34.05	74	49.37	38.25	15.73	63.4	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 6 6425~6525MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		12930	51.65	-36.55	88.2	32.01	40.26	20.75	41.37	-	-	P	H
		19395	39	-35	74	48.8	38.16	15.6	63.56	-	-	P	H
		25860	40.33	-47.87	88.2	41.83	39.02	19.91	60.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 103		12930	50.62	-37.58	88.2	30.98	40.26	20.75	41.37	-	-	P	V
6465MHz		19395	38.83	-35.17	74	48.63	38.16	15.6	63.56	-	-	P	V
		25860	43.99	-44.21	88.2	45.49	39.02	19.91	60.43	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13090	51.33	-36.87	88.2	31.97	40.08	20.88	41.6	-	-	P	H
		19635	38.84	-35.16	74	48.28	38.09	15.77	63.3	-	-	P	H
		26180	41.61	-46.59	88.2	42.94	39.22	20.07	60.62	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 119		13090	51.22	-36.98	88.2	31.86	40.08	20.88	41.6	-	-	P	V
6545MHz		19635	39.03	-34.97	74	48.47	38.09	15.77	63.3	-	-	P	V
		26180	45.94	-42.26	88.2	47.27	39.22	20.07	60.62	-	-	P	V
													V
													V
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													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 6 6425~6525MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13010	50.97	-37.23	88.2	31.4	40.16	20.82	41.41	-	-	P	H
		19515	39.54	-34.46	74	49.43	37.92	15.69	63.5	-	-	P	H
		26020	41.94	-46.26	88.2	43.17	39.18	20.01	60.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 111		13010	51.56	-36.64	88.2	31.99	40.16	20.82	41.41	-	-	P	V
6505MHz		19515	38.79	-35.21	74	48.68	37.92	15.69	63.5	-	-	P	V
		26020	45.83	-42.37	88.2	47.06	39.18	20.01	60.42	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	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	53.44	-34.76	88.2	34.08	40.04	20.87	41.55	-	-	P	H
		19605	55.48	-18.52	74	64.81	38.27	15.75	63.35	181	0	P	H
		19605	44.19	-9.81	54	53.52	38.27	15.75	63.35	181	0	A	H
		26140	42.92	-45.28	88.2	44.35	39.08	20.06	60.57	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
		13070	51.68	-36.52	88.2	32.32	40.04	20.87	41.55	-	-	P	V
		19605	55.35	-18.65	74	64.68	38.27	15.75	63.35	224	0	P	V
		19605	44.26	-9.74	54	53.59	38.27	15.75	63.35	224	0	A	V
		26140	47.13	-41.07	88.2	48.56	39.08	20.06	60.57	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13390	51.88	-22.12	74	32.94	40.1	21.13	42.29	-	-	P	H
		13390	41.71	-12.29	54	22.77	40.1	21.13	42.29	-	-	A	H
		20085	55.36	-18.64	74	63.85	38.03	16.06	62.58	193	265	P	H
		20085	43	-11	54	51.49	38.03	16.06	62.58	193	265	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 149 6695MHz		13390	51.12	-22.88	74	32.18	40.1	21.13	42.29	-	-	P	V
		13390	42.17	-11.83	54	23.23	40.1	21.13	42.29	-	-	A	V
		20085	50.59	-23.41	74	59.08	38.03	16.06	62.58	185	194	P	V
		20085	37.81	-16.19	54	46.3	38.03	16.06	62.58	185	194	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13710	52.06	-36.14	88.2	33.26	40.22	21.4	42.82	-	-	P	H
		20565	47.37	-26.63	74	55.05	37.94	16.34	61.96	150	69	P	H
		20565	36.08	-17.92	54	43.76	37.94	16.34	61.96	150	69	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 181 6855MHz		13710	51.98	-36.22	88.2	33.18	40.22	21.4	42.82	-	-	P	V
		20565	54.2	-19.8	74	61.88	37.94	16.34	61.96	200	158	P	V
		20565	42.77	-11.23	54	50.45	37.94	16.34	61.96	200	158	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13750	51.91	-36.29	88.2	33.05	40.3	21.43	42.87	-	-	P	H
		20625	61.02	-12.98	74	68.71	37.85	16.38	61.92	183	66	P	H
		20625	40.53	-13.47	54	48.22	37.85	16.38	61.92	183	66	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 185 6875MHz		13750	52.27	-35.93	88.2	33.41	40.3	21.43	42.87	-	-	P	V
		20625	52.47	-21.53	74	60.16	37.85	16.38	61.92	100	137	P	V
		20625	40.82	-13.18	54	48.51	37.85	16.38	61.92	100	137	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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	52.01	-16.19	68.2	32.65	40.04	20.87	41.55	-	-	P	H
		19605	55.16	-18.84	74	64.49	38.27	15.75	63.35	184	0	P	H
		19605	44.22	-9.78	54	53.55	38.27	15.75	63.35	184	0	A	H
		26140	42.95	-45.25	88.2	44.38	39.08	20.06	60.57	-	-	P	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 117		13070	51.06	-17.14	68.2	31.7	40.04	20.87	41.55	-	-	P	V
6535MHz		19605	55.81	-18.19	74	65.14	38.27	15.75	63.35	226	0	P	V
		19605	44.4	-9.6	54	53.73	38.27	15.75	63.35	226	0	A	V
		26140	46.1	-42.1	88.2	47.53	39.08	20.06	60.57	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13390	52.16	-21.84	74	33.22	40.1	21.13	42.29	-	-	P	H
		13390	42.25	-11.75	54	23.31	40.1	21.13	42.29	-	-	A	H
		20085	47.96	-26.04	74	56.45	38.03	16.06	62.58	184	264	P	H
		20085	36.97	-17.03	54	45.46	38.03	16.06	62.58	184	264	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		13390	52.03	-21.97	74	33.09	40.1	21.13	42.29	-	-	P	V
6695MHz		13390	41.88	-12.12	54	22.94	40.1	21.13	42.29	-	-	A	V
		20085	53.67	-20.33	74	62.16	38.03	16.06	62.58	101	161	P	V
		20085	42.1	-11.9	54	50.59	38.03	16.06	62.58	101	161	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13710	55.88	-12.32	68.2	37.08	40.22	21.4	42.82	-	-	P	H
		20565	45.61	-28.39	74	53.29	37.94	16.34	61.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 181		13710	57.79	-10.41	68.2	38.99	40.22	21.4	42.82	-	-	P	V
6855MHz		20565	53.9	-20.1	74	61.58	37.94	16.34	61.96	193	155	P	V
		20565	43.28	-10.72	54	50.96	37.94	16.34	61.96	193	155	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13750	51.96	-16.24	68.2	33.1	40.3	21.43	42.87	-	-	P	H
		20625	45.35	-28.65	74	53.04	37.85	16.38	61.92	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 185		13750	52.55	-15.65	68.2	33.69	40.3	21.43	42.87	-	-	P	V
6875MHz		20625	51.98	-22.02	74	59.67	37.85	16.38	61.92	192	156	P	V
		20625	42.91	-11.09	54	50.6	37.85	16.38	61.92	192	156	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13130	51.29	-16.91	68.2	31.96	40.1	20.92	41.69	-	-	P	H
		19695	51.86	-22.14	74	61.07	38.18	15.81	63.2	183	360	P	H
		19695	43.33	-10.67	54	52.54	38.18	15.81	63.2	183	360	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 123		13130	51.62	-16.58	68.2	32.29	40.1	20.92	41.69	-	-	P	V
6565MHz		19695	53.81	-20.19	74	63.02	38.18	15.81	63.2	101	356	P	V
		19695	44.32	-9.68	54	53.53	38.18	15.81	63.2	101	356	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13370	53.35	-20.65	74	34.37	40.1	21.12	42.24	397	299	P	H
		13370	45	-9	54	26.02	40.1	21.12	42.24	397	299	A	H
		20055	47.82	-26.18	74	56.31	38.09	16.04	62.62	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 147		13370	56.79	-17.21	74	37.81	40.1	21.12	42.24	103	7	P	V
6685MHz		13370	47.83	-6.17	54	28.85	40.1	21.12	42.24	103	7	A	V
		20055	47.63	-26.37	74	56.12	38.09	16.04	62.62	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13690	56.13	-12.07	68.2	37.38	40.16	21.38	42.79	-	-	P	H
		20535	51.39	-22.61	74	59.04	38	16.33	61.98	100	334	P	H
		20535	41.55	-12.45	54	49.2	38	16.33	61.98	100	334	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 179		13690	57.79	-10.41	68.2	39.04	40.16	21.38	42.79	-	-	P	V
6845MHz		20535	49.84	-24.16	74	57.49	38	16.33	61.98	182	320	P	V
		20535	41.62	-12.38	54	49.27	38	16.33	61.98	182	320	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13770	53.71	-14.49	68.2	34.86	40.3	21.45	42.9	-	-	P	H
		20655	46.73	-27.27	74	54.33	37.91	16.4	61.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 187		13770	54.63	-13.57	68.2	35.78	40.3	21.45	42.9	-	-	P	V
6885MHz		20655	47.62	-26.38	74	55.22	37.91	16.4	61.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13250	51.31	-22.69	74	32.16	40.1	21.02	41.97	183	97	P	H
		13250	41.03	-12.97	54	21.88	40.1	21.02	41.97	183	97	A	H
		19875	46.3	-27.7	74	55.17	38.1	15.93	62.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 135		13250	53.73	-20.27	74	34.58	40.1	21.02	41.97	100	227	P	V
6625MHz		13250	41.62	-12.38	54	22.47	40.1	21.02	41.97	100	227	A	V
		19875	47.75	-26.25	74	56.62	38.1	15.93	62.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13410	50.89	-37.31	88.2	31.97	40.1	21.15	42.33	-	-	P	H
		20115	43.74	-30.26	74	52.17	38.03	16.08	62.54	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 151		13410	52.28	-35.92	88.2	33.36	40.1	21.15	42.33	-	-	P	V
6705MHz		20115	45.72	-28.28	74	54.15	38.03	16.08	62.54	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13570	50.94	-37.26	88.2	32.17	40.12	21.28	42.63	-	-	P	H
		20355	45.14	-28.86	74	53.21	37.91	16.22	62.2	-	-	P	H
		27140	40.19	-48.01	88.2	41.69	39.5	20.53	61.53	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 167		13570	51.31	-36.89	88.2	32.54	40.12	21.28	42.63	-	-	P	V
6785MHz		20355	46.55	-27.45	74	54.62	37.91	16.22	62.2	-	-	P	V
		27140	45.03	-43.17	88.2	46.53	39.5	20.53	61.53	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13730	52.63	-35.57	88.2	33.79	40.26	21.42	42.84	-	-	P	H
		20595	39.02	-34.98	74	46.78	37.82	16.36	61.94	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 183		13730	51.64	-36.56	88.2	32.8	40.26	21.42	42.84	-	-	P	V
6865MHz		20595	38.87	-35.13	74	46.63	37.82	16.36	61.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13330	50.99	-23.01	74	31.96	40.1	21.08	42.15	-	-	P	H
		13330	41.07	-12.93	54	22.04	40.1	21.08	42.15	-	-	A	H
		19995	42.41	-31.59	74	51.3	37.81	16.01	62.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 143		13330	51.86	-22.14	74	32.83	40.1	21.08	42.15	-	-	P	V
6665MHz		13330	41.11	-12.89	54	22.08	40.1	21.08	42.15	-	-	A	V
		19995	42.29	-31.71	74	51.18	37.81	16.01	62.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13650	52.15	-36.05	88.2	33.54	40	21.35	42.74	-	-	P	H
		20475	45.31	-28.69	74	53.1	37.95	16.29	62.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 175		13650	52.91	-35.29	88.2	34.3	40	21.35	42.74	-	-	P	V
6825MHz		20475	45.01	-28.99	74	52.8	37.95	16.29	62.03	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 8 - 6875~7125MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 0+1	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 233 7115MHz	*	7115	91.37	-	-	76.35	36.43	14.89	36.3	101	324	P	H
	*	7115	85.47	-	-	70.45	36.43	14.89	36.3	101	324	A	H
		7125.125	65.06	-23.14	88.2	50.02	36.45	14.9	36.31	101	324	P	H
		7125	53.79	-14.41	68.2	38.75	36.45	14.9	36.31	101	324	A	H
													H
													H
	*	7115	98.48	-	-	83.46	36.43	14.89	36.3	100	150	P	V
	*	7115	91.55	-	-	76.53	36.43	14.89	36.3	100	150	A	V
		7125	69.09	-19.11	88.2	54.05	36.45	14.9	36.31	100	150	P	V
		7125	58.13	-10.07	68.2	43.09	36.45	14.9	36.31	100	150	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13790	51.75	-36.45	88.2	32.9	40.3	21.47	42.92	-	-	P	H
		20685	39.3	-34.7	74	46.81	37.97	16.41	61.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 189 6895MHz													H
		13790	52.87	-35.33	88.2	34.02	40.3	21.47	42.92	-	-	P	V
		20685	38.3	-35.7	74	45.81	37.97	16.41	61.89	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13990	53.71	-34.49	88.2	34.41	40.86	21.63	43.19	-	-	P	H
		20985	38.59	-35.41	74	45.94	37.77	16.59	61.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 209 6995MHz													H
		13990	52.38	-35.82	88.2	33.08	40.86	21.63	43.19	-	-	P	V
		20985	38.21	-35.79	74	45.56	37.77	16.59	61.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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 233 7115MHz		14230	52.56	-35.64	88.2	33.48	41	21.8	43.72	-	-	P	H
		21345	39.09	-34.91	74	45.29	38.11	16.84	61.15	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		14230	52.55	-35.65	88.2	33.47	41	21.8	43.72	-	-	P	V
		21345	38.45	-35.55	74	44.65	38.11	16.84	61.15	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	7115	95.51	-	-	80.49	36.43	14.89	36.3	100	217	P	H
	*	7115	88.01	-	-	72.99	36.43	14.89	36.3	100	217	A	H
		7125	66.4	-21.8	88.2	51.36	36.45	14.9	36.31	100	217	P	H
		7125	56.13	-12.07	68.2	41.09	36.45	14.9	36.31	100	217	A	H
802.11ax													H
HE20 Full													H
CH 233	*	7115	100.58	-	-	85.56	36.43	14.89	36.3	110	290	P	V
7115MHz	*	7115	91.39	-	-	76.37	36.43	14.89	36.3	110	290	A	V
		7125	68.43	-19.77	88.2	53.39	36.45	14.9	36.31	110	290	P	V
		7125	58.72	-9.48	68.2	43.68	36.45	14.9	36.31	110	290	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13790	51.52	-16.68	68.2	32.67	40.3	21.47	42.92	-	-	P	H
		20685	40.29	-33.71	74	47.8	37.97	16.41	61.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 189		13790	52.21	-15.99	68.2	33.36	40.3	21.47	42.92	-	-	P	V
6895MHz		20685	38.56	-35.44	74	46.07	37.97	16.41	61.89	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		13990	52.33	-15.87	68.2	33.03	40.86	21.63	43.19	-	-	P	H
		20985.9	37.97	-36.03	74	45.32	37.77	16.59	61.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 209		13990	52.95	-15.25	68.2	33.65	40.86	21.63	43.19	-	-	P	V
6995MHz		20985.9	38.13	-35.87	74	45.48	37.77	16.59	61.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		14230	52.47	-15.73	68.2	33.39	41	21.8	43.72	-	-	P	H
		21345	38.56	-35.44	74	44.76	38.11	16.84	61.15	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 233		14230	52.36	-15.84	68.2	33.28	41	21.8	43.72	-	-	P	V
7115MHz		21345	38.87	-35.13	74	45.07	38.11	16.84	61.15	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	7115	95.5	-	-	80.48	36.43	14.89	36.3	102	216	P	H
	*	7115	88.22	-	-	73.2	36.43	14.89	36.3	102	216	A	H
		7125	71.97	-16.23	88.2	56.93	36.45	14.9	36.31	102	216	P	H
802.11ax		7125	59.72	-8.48	68.2	44.68	36.45	14.9	36.31	102	216	A	H
HE20													H
Partial													H
106/54	*	7115	102.54	-	-	87.52	36.43	14.89	36.3	101	288	P	V
CH 233	*	7115	94.2	-	-	79.18	36.43	14.89	36.3	101	288	A	V
7115MHz		7125.125	77.32	-10.88	88.2	62.28	36.45	14.9	36.31	101	288	P	V
		7125	65.51	-2.69	68.2	50.47	36.45	14.9	36.31	101	288	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	7085	98.45	-	-	83.47	36.43	14.84	36.29	107	165	P	H
	*	7085	88.77	-	-	73.79	36.43	14.84	36.29	107	165	A	H
		7146.92	52.39	-35.81	88.2	37.29	36.49	14.93	36.32	107	165	P	H
		7200.36	43.17	-25.03	68.2	27.72	36.8	15	36.35	107	165	A	H
802.11ax													H
HE40 Full													H
CH 227	*	7085	101.9	-	-	86.92	36.43	14.84	36.29	101	149	P	V
7085MHz	*	7085	93.48	-	-	78.5	36.43	14.84	36.29	101	149	A	V
		7133.48	52.7	-35.5	88.2	37.63	36.47	14.91	36.31	101	149	P	V
		7208.36	43.24	-24.96	68.2	27.77	36.82	15.01	36.36	101	149	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13850	51.78	-16.42	68.2	32.76	40.5	21.52	43	-	-	P	H
		20775	39.57	-34.43	74	46.68	38.25	16.47	61.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 195		13850	52.88	-15.32	68.2	33.86	40.5	21.52	43	-	-	P	V
6925MHz		20775	38.83	-35.17	74	45.94	38.25	16.47	61.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		14010	52.44	-15.76	68.2	33.11	40.9	21.65	43.22	-	-	P	H
		21015	38.76	-35.24	74	45.97	37.86	16.61	61.68	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 211		14010	52.88	-15.32	68.2	33.55	40.9	21.65	43.22	-	-	P	V
7005MHz		21015	38.69	-35.31	74	45.9	37.86	16.61	61.68	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		14170	52.48	-15.72	68.2	33.36	40.94	21.76	43.58	-	-	P	H
		21255	40.04	-33.96	74	46.35	38.2	16.78	61.29	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 227		14170	52.2	-16	68.2	33.08	40.94	21.76	43.58	-	-	P	V
7085MHz		21255	38.89	-35.11	74	45.2	38.2	16.78	61.29	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	7085	95.41	-	-	80.43	36.43	14.84	36.29	102	163	P	H
	*	7085	88.04	-	-	73.06	36.43	14.84	36.29	102	163	A	H
		7157.16	53.35	-34.85	88.2	38.2	36.54	14.94	36.33	102	163	P	H
802.11ax		7211.88	43.37	-24.83	68.2	27.9	36.82	15.01	36.36	102	163	A	H
HE40													H
Partial													H
242/62	*	7085	100.8	-	-	85.82	36.43	14.84	36.29	101	148	P	V
CH 227	*	7085	93.5	-	-	78.52	36.43	14.84	36.29	101	148	A	V
7085MHz		7199.4	53.95	-34.25	88.2	38.5	36.8	15	36.35	101	148	P	V
		7218.28	43.46	-24.74	68.2	27.96	36.84	15.02	36.36	101	148	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	7025	97.65	-	-	82.64	36.5	14.76	36.25	100	164	P	H
	*	7025	90.17	-	-	75.16	36.5	14.76	36.25	100	164	A	H
		7184.36	52.76	-35.44	88.2	37.41	36.71	14.98	36.34	100	164	P	H
		7217.96	43.28	-24.92	68.2	27.78	36.84	15.02	36.36	100	164	A	H
802.11ax													H
HE80 Full													H
CH 215	*	7025	101.53	-	-	86.52	36.5	14.76	36.25	115	146	P	V
7025MHz	*	7025	93.59	-	-	78.58	36.5	14.76	36.25	115	146	A	V
		7170.92	53.03	-35.17	88.2	37.78	36.63	14.96	36.34	115	146	P	V
		7205.16	43.33	-24.87	68.2	27.86	36.81	15.01	36.35	115	146	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13890	52.18	-36.02	88.2	33.1	40.58	21.55	43.05	-	-	P	H
		20835	39.58	-34.42	74	46.65	38.23	16.5	61.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 199		13890	53.26	-34.94	88.2	34.18	40.58	21.55	43.05	-	-	P	V
6945MHz		20835	38.83	-35.17	74	45.9	38.23	16.5	61.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	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)
		14050	52.3	-35.9	88.2	33.03	40.9	21.68	43.31	-	-	P	H
		21075	38.44	-35.56	74	45.27	38.1	16.65	61.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 215		14050	52.32	-35.88	88.2	33.05	40.9	21.68	43.31	-	-	P	V
7025MHz		21075	38.88	-35.12	74	45.71	38.1	16.65	61.58	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	7025	97.81	-	-	82.8	36.5	14.76	36.25	100	165	P	H
	*	7025	90.15	-	-	75.14	36.5	14.76	36.25	100	165	A	H
		7214.44	53.38	-34.82	88.2	37.9	36.83	15.01	36.36	100	165	P	H
802.11ax		7204.84	43.32	-24.88	68.2	27.86	36.81	15	36.35	100	165	A	H
HE80													H
Partial													H
484/66	*	7025	104.45	-	-	89.44	36.5	14.76	36.25	102	145	P	V
CH 215	*	7025	95.5	-	-	80.49	36.5	14.76	36.25	102	145	A	V
7025MHz		7210.92	54.06	-34.14	88.2	38.59	36.82	15.01	36.36	102	145	P	V
		7200.04	43.53	-24.67	68.2	28.08	36.8	15	36.35	102	145	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	6985	97.83	-	-	82.87	36.47	14.71	36.22	100	163	P	H
	*	6985	90.53	-	-	75.57	36.47	14.71	36.22	100	163	A	H
		7170.6	52.8	-35.4	88.2	37.56	36.62	14.96	36.34	100	163	P	H
		7200.68	43.28	-24.92	68.2	27.83	36.8	15	36.35	100	163	A	H
802.11ax													H
HE160 Full													H
CH 207	*	6985	101.77	-	-	86.81	36.47	14.71	36.22	100	147	P	V
6985MHz	*	6985	93.44	-	-	78.48	36.47	14.71	36.22	100	147	A	V
		7141.48	53.87	-34.33	88.2	38.79	36.48	14.92	36.32	100	147	P	V
		7132.84	43.91	-24.29	68.2	28.84	36.47	14.91	36.31	100	147	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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)
		13970	53.73	-34.47	88.2	34.49	40.78	21.62	43.16	-	-	P	H
		20955	39.58	-34.42	74	47.03	37.71	16.57	61.73	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 207		13970	52.92	-35.28	88.2	33.68	40.78	21.62	43.16	-	-	P	V
6985MHz		20955	38.79	-35.21	74	46.24	37.71	16.57	61.73	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 8 - 6875~7125MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
	*	6985	100.34	-	-	85.38	36.47	14.71	36.22	100	164	P	H
	*	6985	90.52	-	-	75.56	36.47	14.71	36.22	100	164	A	H
		7136.36	63.23	-24.97	88.2	48.17	36.47	14.91	36.32	100	164	P	H
802.11ax		7131.24	43.98	-24.22	68.2	28.92	36.46	14.91	36.31	100	164	A	H
HE160													H
Partial													H
996/68	*	6985	104.57	-	-	89.61	36.47	14.71	36.22	104	143	P	V
CH 207	*	6985	96.3	-	-	81.34	36.47	14.71	36.22	104	143	A	V
6985MHz		7138.92	67.92	-20.28	88.2	52.84	36.48	14.92	36.32	104	143	P	V
		7131.24	46.1	-22.1	68.2	31.04	36.46	14.91	36.31	104	143	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Emission below 1GHz

WIFI 802.11ax HE20 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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full LF		32.16	22.3	-17.7	40	30.14	23.9	0.97	32.74	-	-	P	H
		147.45	23.75	-19.75	43.5	37.06	17.26	2.06	32.7	-	-	P	H
		261.39	21.06	-24.94	46	30.92	20.01	2.77	32.75	-	-	P	H
		562.5	27.81	-18.19	46	556.54	-500	4.08	33.01	-	-	P	H
		860.7	32.62	-13.38	46	559.78	-500	5.01	32.37	-	-	P	H
		974.1	34.32	-19.68	54	560.14	-500	5.33	31.4	-	-	P	H
													H
													H
													H
													H
													H
													H
		32.7	29.52	-10.48	40	37.72	23.54	0.97	32.74	-	-	P	V
		151.5	21.54	-21.96	43.5	35.1	16.98	2.09	32.7	-	-	P	V
		263.82	20.04	-25.96	46	29.79	20.12	2.78	32.75	-	-	P	V
		531	26.19	-19.81	46	554.98	-500	3.95	32.97	-	-	P	V
		868.4	32.15	-13.85	46	559.24	-500	5.04	32.32	-	-	P	V
		961.5	35.46	-18.54	54	561.45	-500	5.29	31.52	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. 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.

<Sample 2>

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5925	83.8	-4.4	88.2	71.7	33.8	13.5	35.2	100	199	P	H
		5920.04	65.09	-3.11	68.2	52.99	33.8	13.49	35.19	100	199	A	H
	*	5955	112.36	-	-	100.24	33.8	13.54	35.22	100	199	P	H
802.11ax	*	5955	104.88	-	-	92.76	33.8	13.54	35.22	100	199	A	H
HE20													H
Partial													H
106/53		5923.24	85.8	-2.4	88.2	73.69	33.8	13.5	35.19	105	122	P	V
CH 01		5914.28	66.88	-1.32	68.2	54.78	33.8	13.49	35.19	105	122	A	V
5955MHz	*	5955	118	-	-	105.88	33.8	13.54	35.22	105	122	P	V
	*	5955	110	-	-	97.88	33.8	13.54	35.22	105	122	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H

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) – 88.2(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) – 68.2(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 :	Jack Cheng, Ray Lung and Sky Chang	**Temperature :**	18~26°C
		Relative Humidity :	50~70%

Note symbol

-L	**Low channel location**
-R	**High channel location**