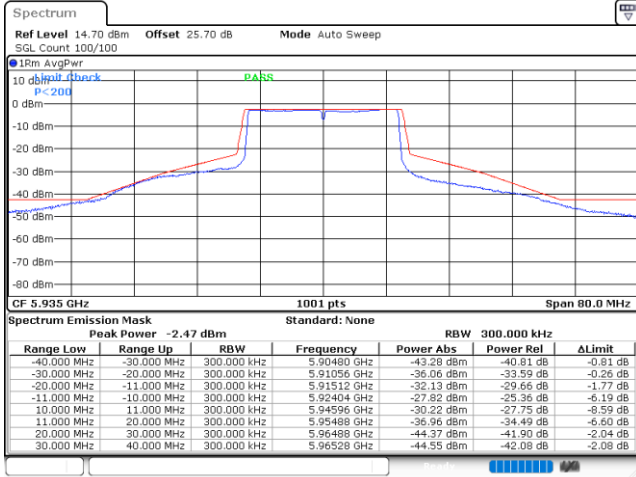




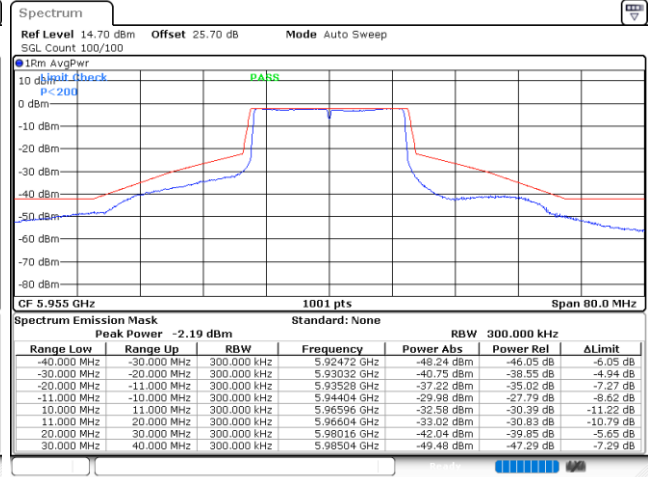
EUT Mode : 802.11ax HE20 242RU

Plot on Channel 5935MHz



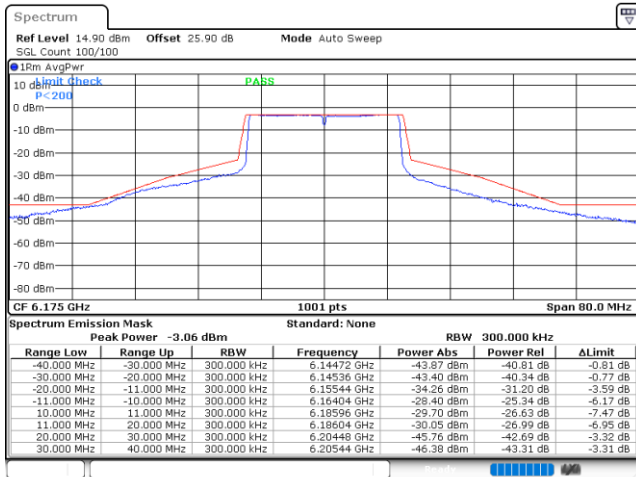
Date: 27.JUL.2022 19:48:05

Plot on Channel 5955MHz



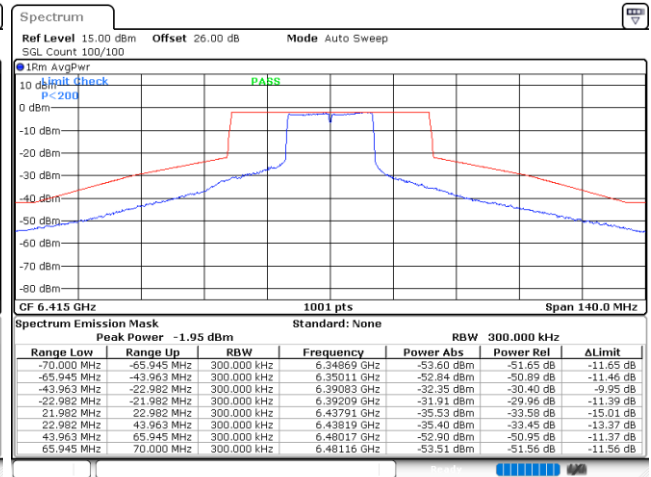
Date: 27.JUL.2022 20:12:01

Plot on Channel 6175MHz



Date: 27.JUL.2022 20:24:42

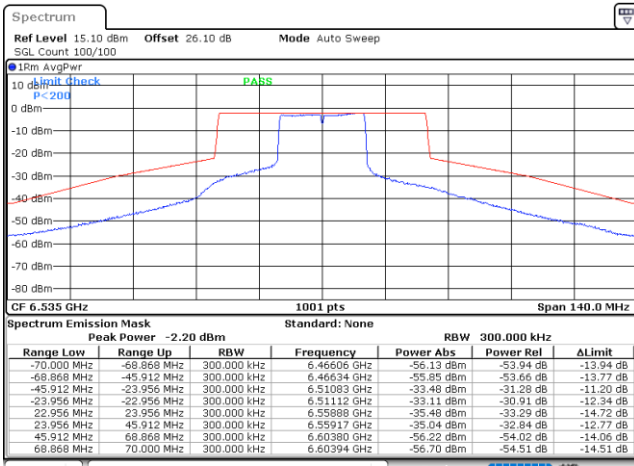
Plot on Channel 6415MHz



Date: 27.JUL.2022 22:49:46

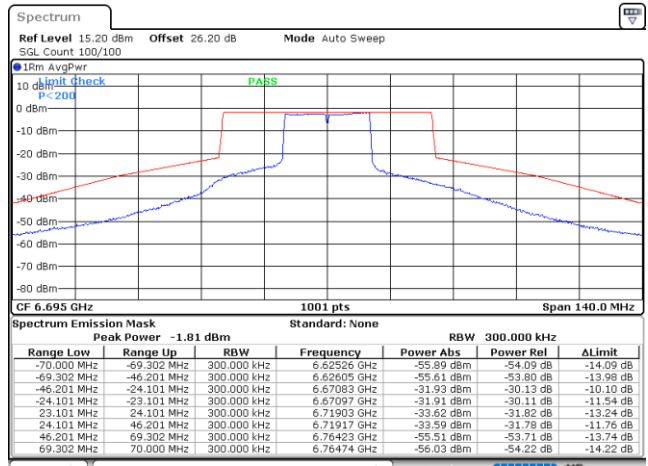


Plot on Channel 6535MHz



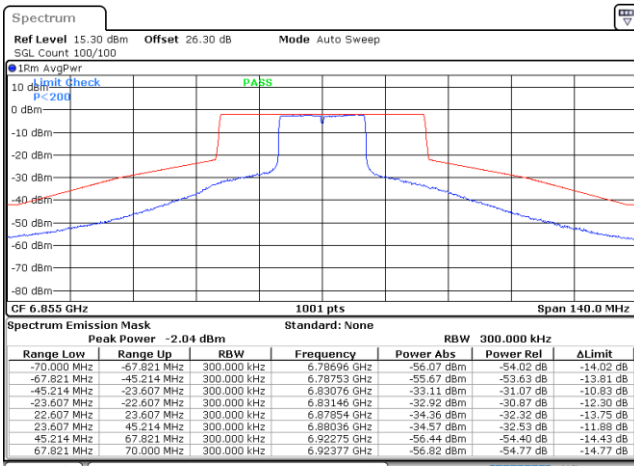
Date: 27.JUL.2022 22:30:16

Plot on Channel 6695MHz



Date: 27.JUL.2022 23:17:46

Plot on Channel 6855MHz

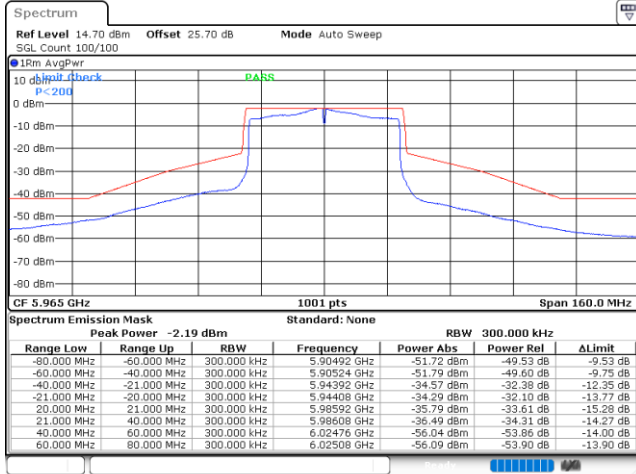


Date: 28.JUL.2022 00:03:53



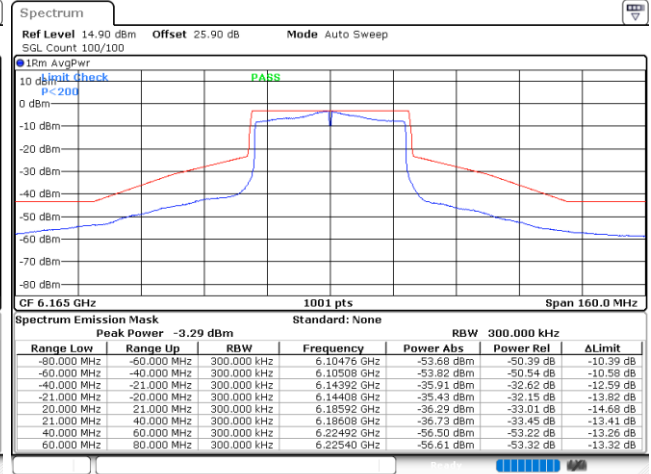
EUT Mode : 802.11ax HE40 Full RU

Plot on Channel 5965MHz



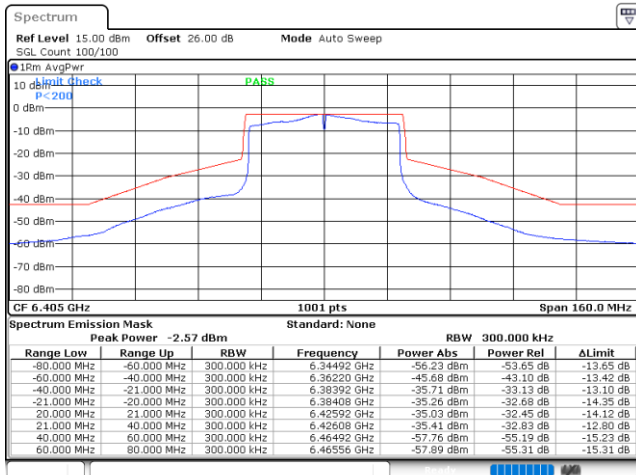
Date: 27.JUL.2022 01:04:34

Plot on Channel 6165MHz



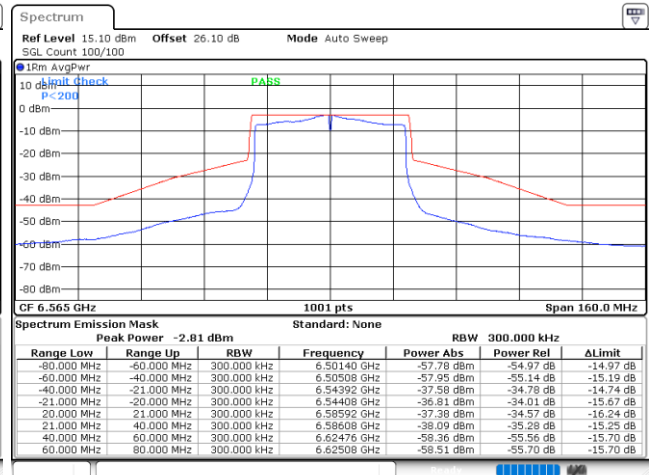
Date: 27.JUL.2022 01:07:23

Plot on Channel 6405MHz



Date: 27.JUL.2022 01:12:23

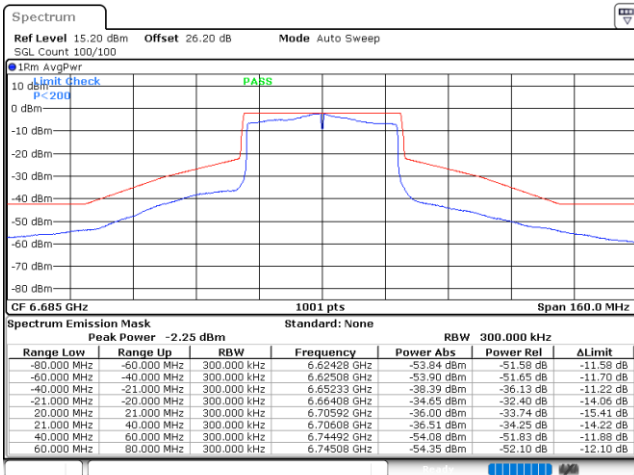
Plot on Channel 6565MHz



Date: 27.JUL.2022 01:16:28

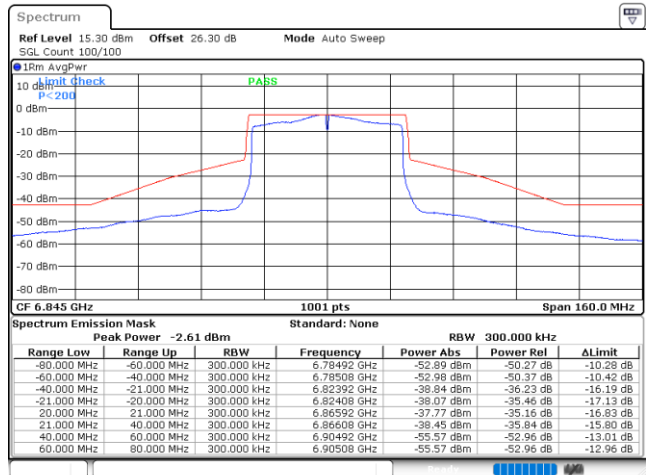


Plot on Channel 6685MHz



Date: 27.JUL.2022 01:10:59

Plot on Channel 6845MHz

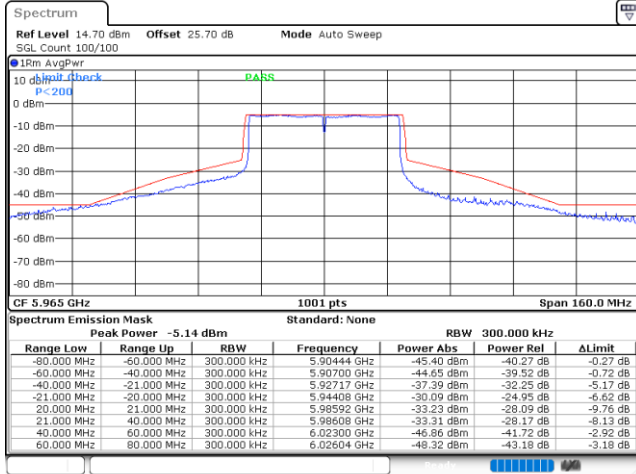


Date: 27.JUL.2022 01:21:20



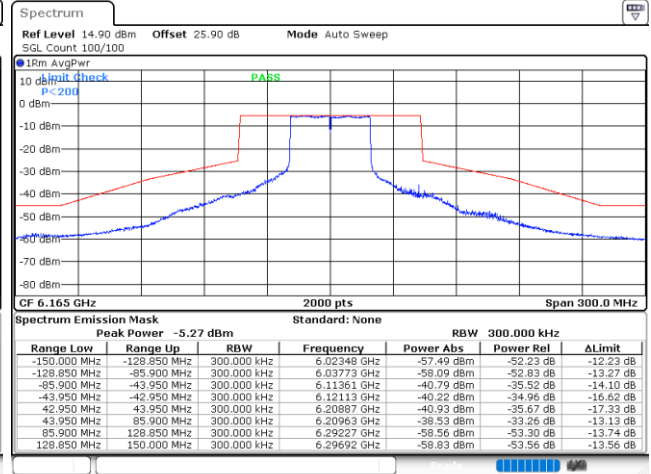
EUT Mode : 802.11ax HE40 484RU

Plot on Channel 5965MHz



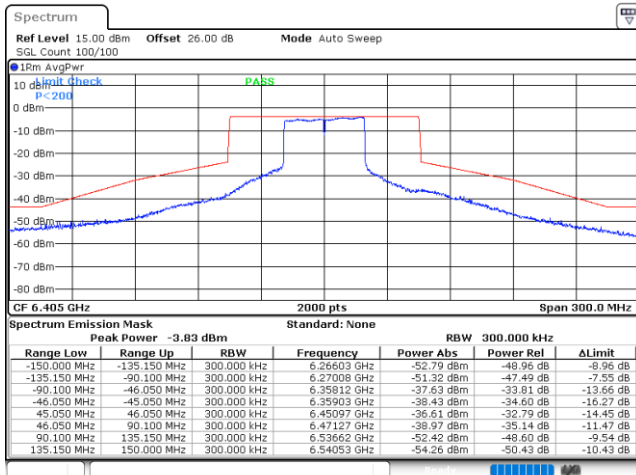
Date: 28.JUL.2022 00:14:59

Plot on Channel 6165MHz



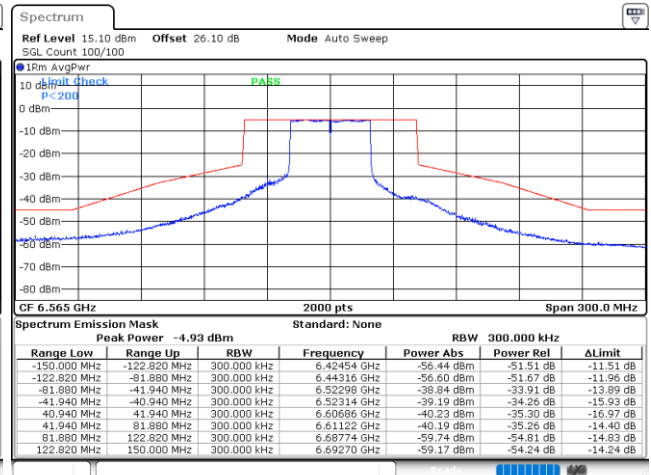
Date: 28.JUL.2022 22:53:09

Plot on Channel 6405MHz



Date: 28.JUL.2022 23:05:00

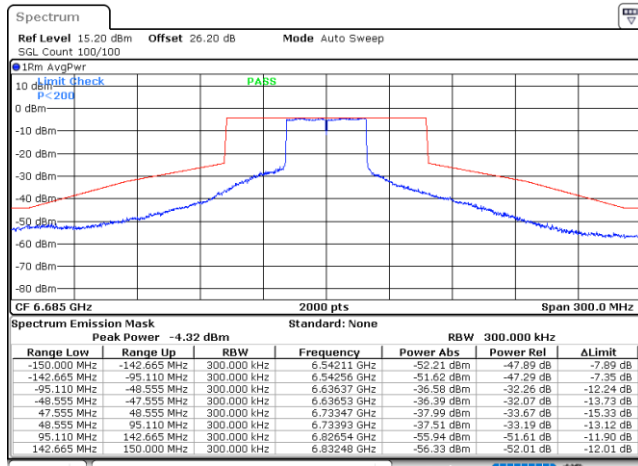
Plot on Channel 6565MHz



Date: 28.JUL.2022 23:14:41

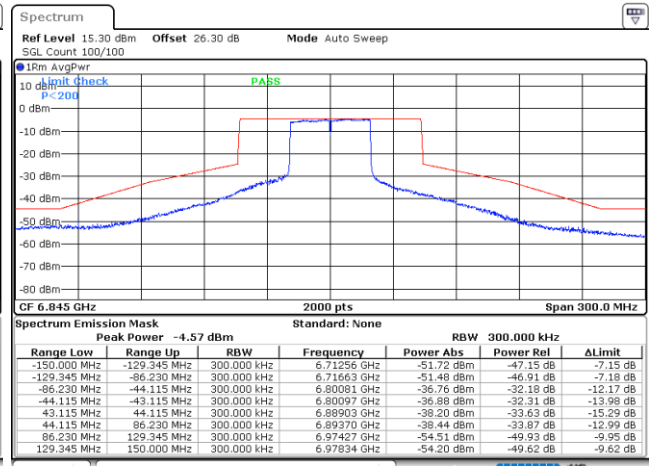


Plot on Channel 6685MHz



Date: 28.JUL.2022 23:18:10

Plot on Channel 6845MHz

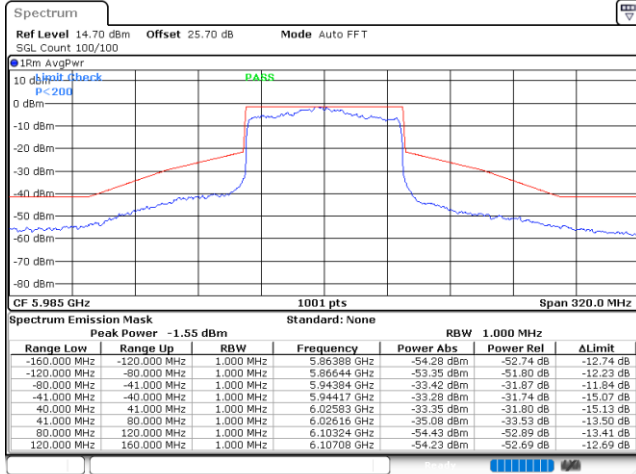


Date: 28.JUL.2022 23:22:49



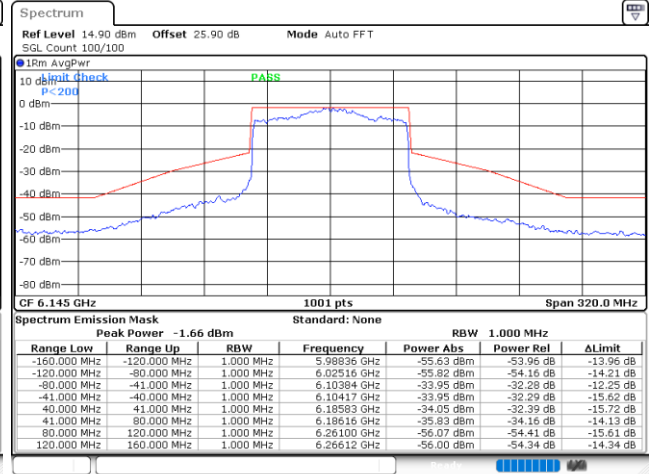
EUT Mode : 802.11ax HE80 Full RU

Plot on Channel 5985MHz



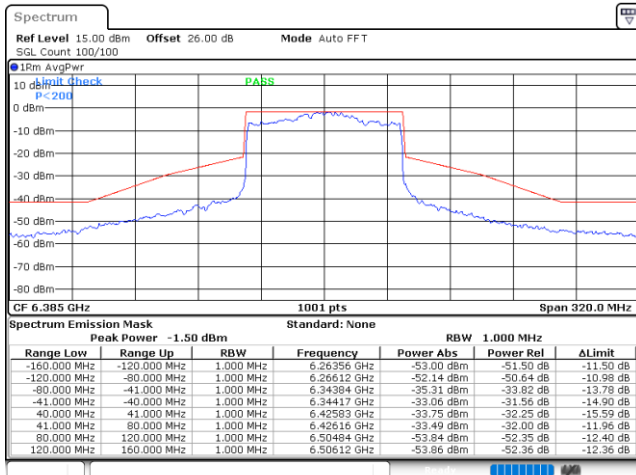
Date: 27.JUL.2022 18:50:06

Plot on Channel 6145MHz



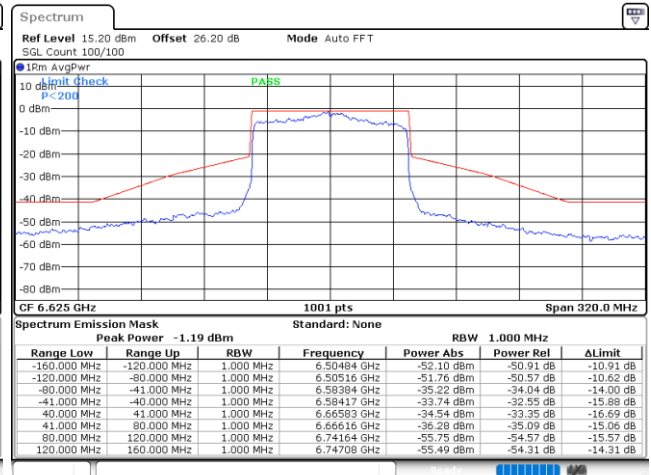
Date: 27.JUL.2022 18:53:18

Plot on Channel 6385MHz



Date: 27.JUL.2022 18:55:28

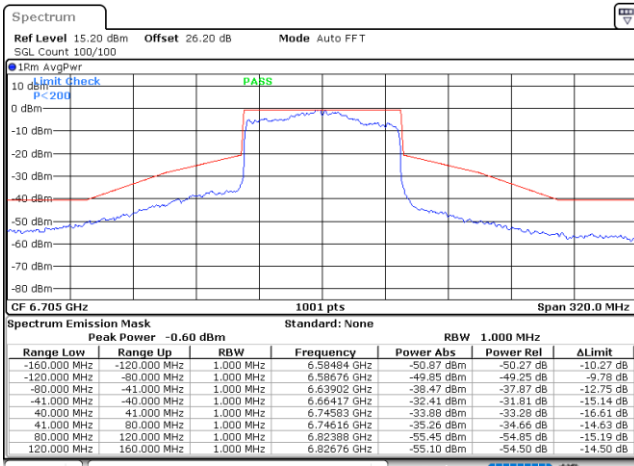
Plot on Channel 6625MHz



Date: 27.JUL.2022 18:58:00

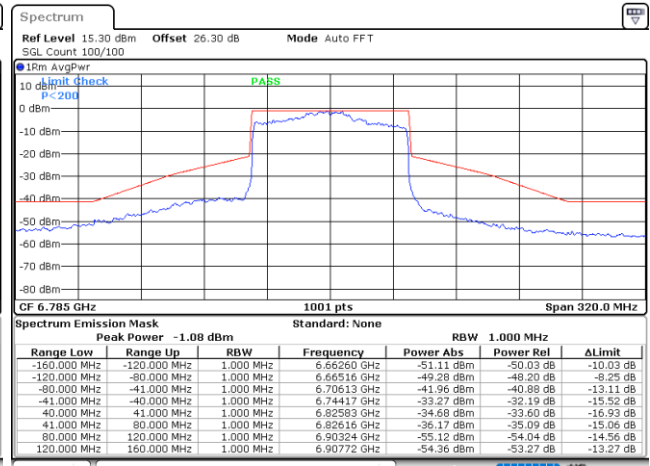


Plot on Channel 6705MHz



Date: 27.JUL.2022 19:00:29

Plot on Channel 6785MHz

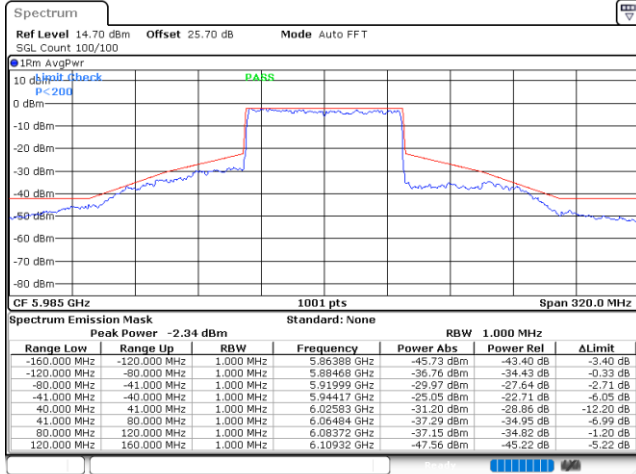


Date: 27.JUL.2022 19:02:11



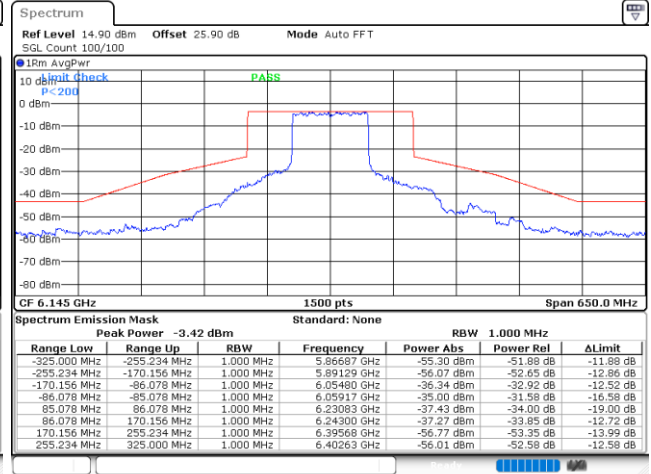
EUT Mode : 802.11ax HE80 996RU

Plot on Channel 5985MHz



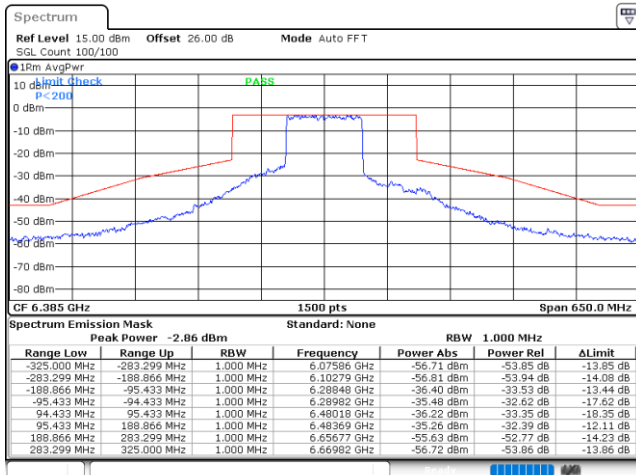
Date: 28.JUL.2022 19:24:19

Plot on Channel 6145MHz



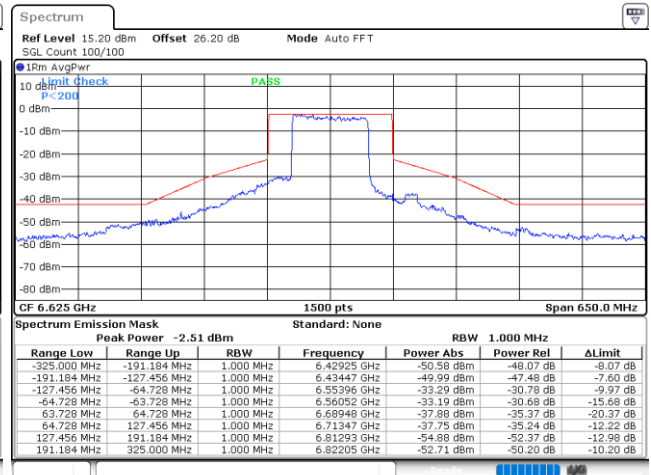
Date: 28.JUL.2022 21:11:55

Plot on Channel 6385MHz



Date: 28.JUL.2022 21:16:04

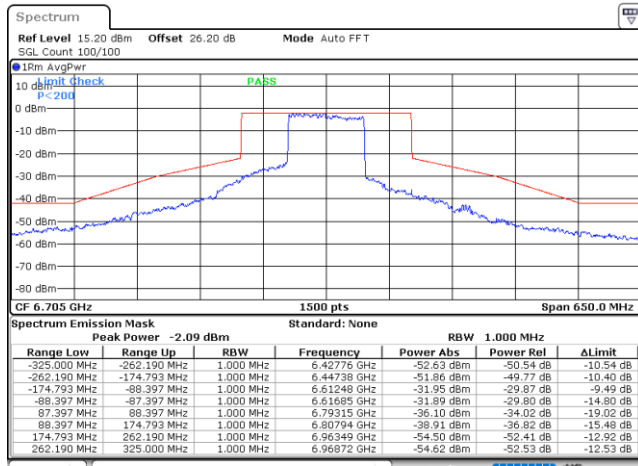
Plot on Channel 6625MHz



Date: 28.JUL.2022 21:21:04

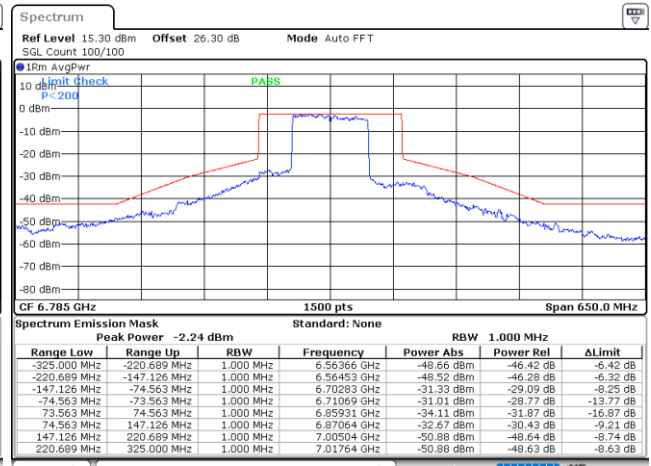


Plot on Channel 6705MHz



Date: 28.JUL.2022 21:26:50

Plot on Channel 6785MHz

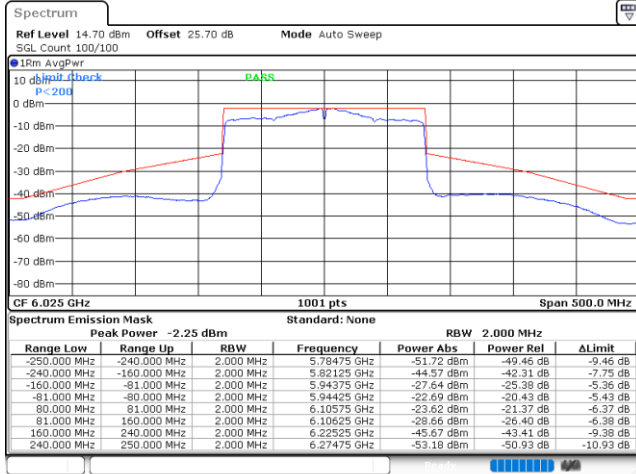


Date: 28.JUL.2022 21:29:42



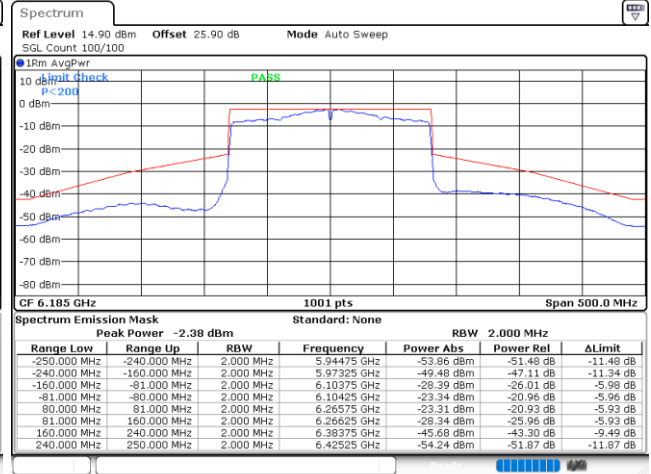
EUT Mode : 802.11ax HE160 Full RU

Plot on Channel 6025MHz



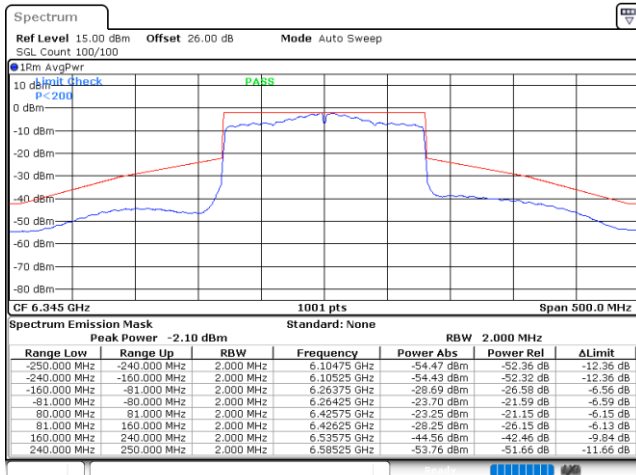
Date: 27.JUL.2022 19:05:24

Plot on Channel 6185MHz



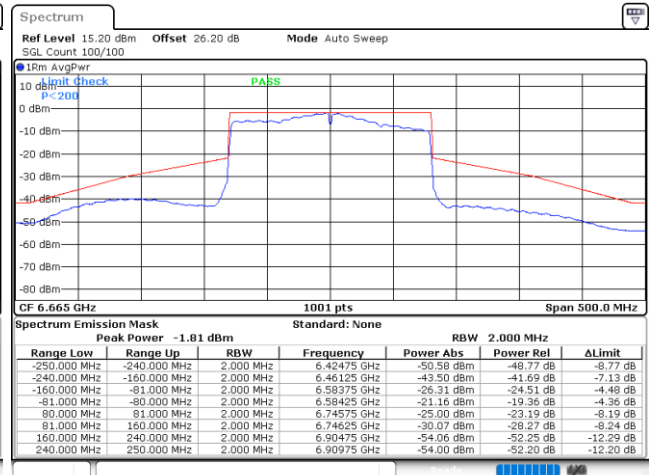
Date: 27.JUL.2022 19:07:11

Plot on Channel 6345MHz



Date: 27.JUL.2022 19:09:21

Plot on Channel 6665MHz

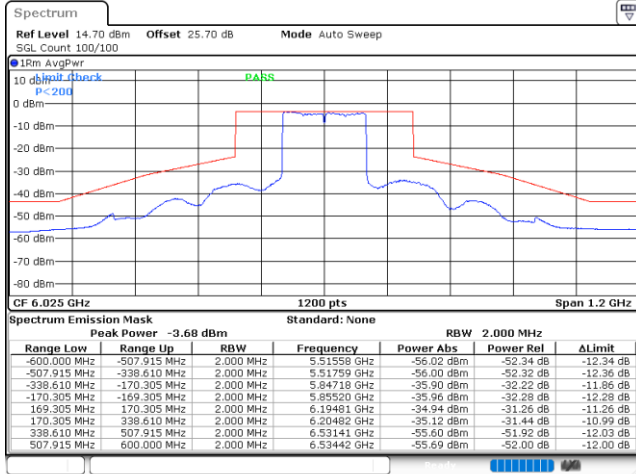


Date: 27.JUL.2022 19:11:16



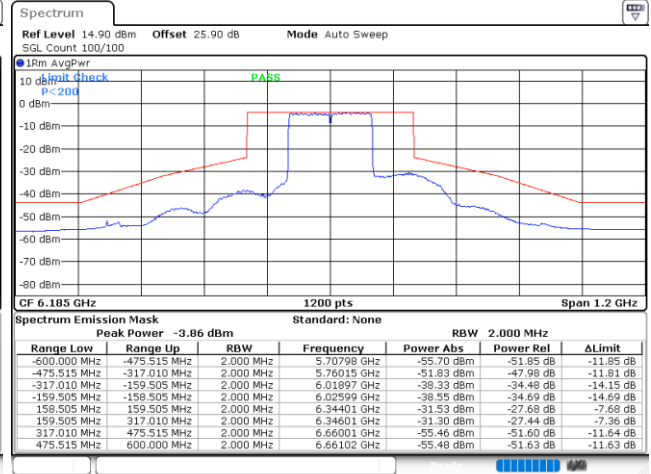
EUT Mode : 802.11ax HE160 1992RU

Plot on Channel 6025MHz



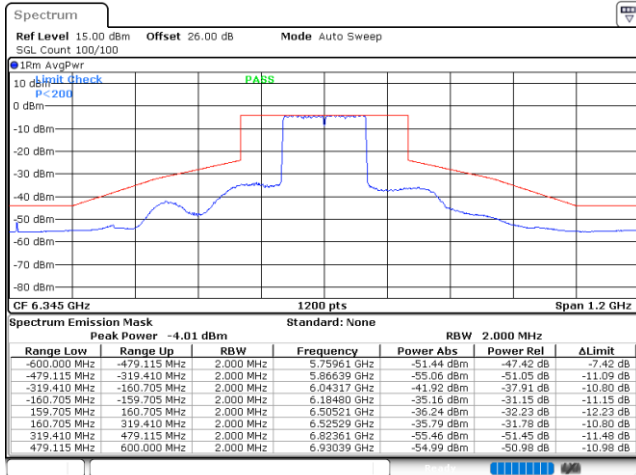
Date: 28.JUL.2022 22:35:28

Plot on Channel 6185MHz



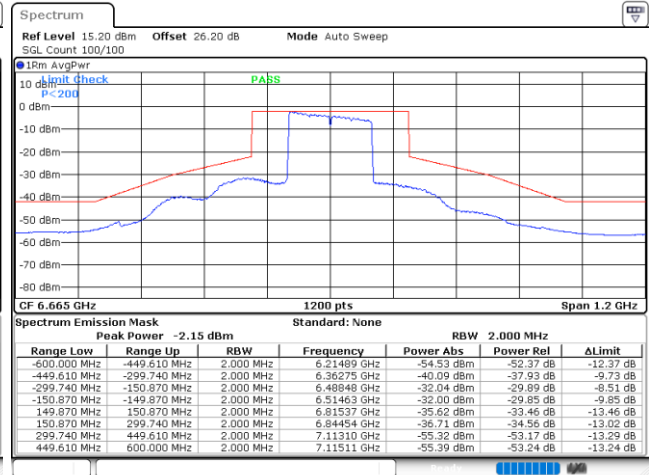
Date: 28.JUL.2022 22:17:41

Plot on Channel 6345MHz



Date: 28.JUL.2022 22:25:04

Plot on Channel 6665MHz



Date: 28.JUL.2022 22:28:10



3.5 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

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

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

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

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

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

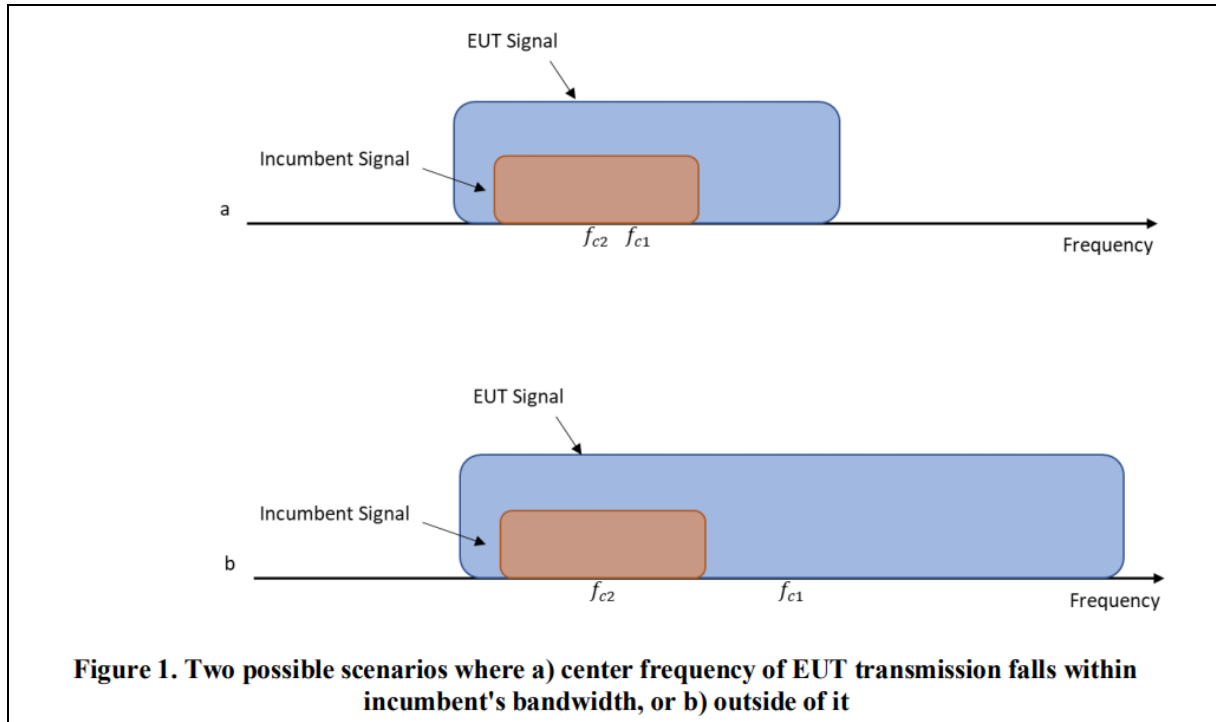
where:

BW_{EUT} : Transmission bandwidth of EUT signal

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

f_{c1} : Center frequency of EUT transmission

f_{c2} : Center frequency of simulated incumbent signal



3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

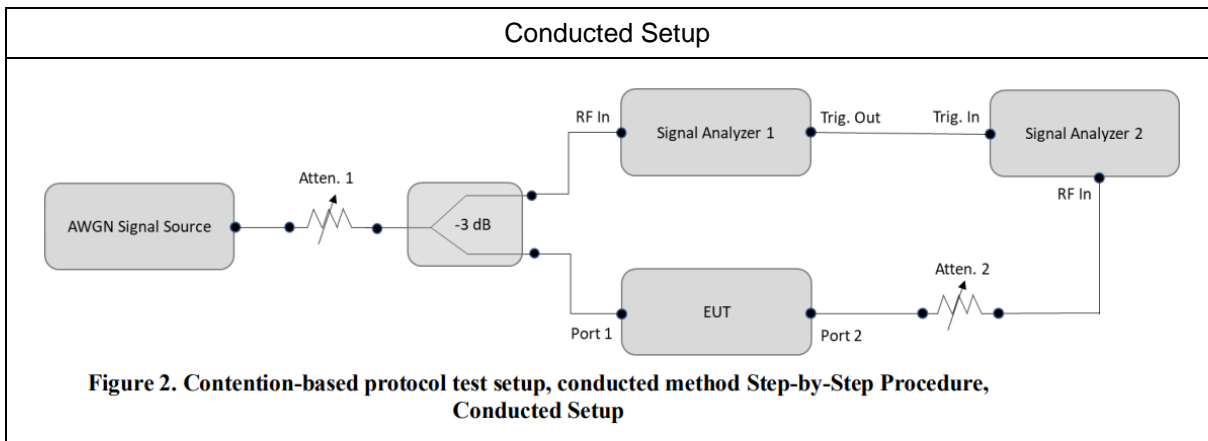
Section I) Contention Based Protocol

Conducted method Step-by-Step Procedure, Conducted Setup

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

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

3.5.4 Test Setup



3.5.5 Support Unit used in test configuration and system

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



3.5.6 Test Summary of Contention Based Protocol Test

Test Engineer :	Leo Liu	Temperature :	23.5~25.7°C
		Relative Humidity :	45.1~50.2%

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	-72.62	100	-62	-77.37	15.37		
				Result: Stop Transmission						
				-73.62	< 90	-62	-78.37	16.37		
				Result: Minimal Operation						
				-74.62	0	-62	-79.37	17.37		
				Result: Normal Operation						
	6185	160	6110	-71.75	100	-62	-76.50	14.50		
				Result: Stop Transmission						
				-74.75	< 90	-62	-79.50	17.50		
				Result: Minimal Operation						
				-75.75	0	-62	-80.50	18.50		
				Result: Normal Operation						
			6185	160	6185	-71.91	100	-62	-76.66	14.66
						Result: Stop Transmission				
						-72.91	< 90	-62	-77.66	15.66
						Result: Minimal Operation				
						-73.91	0	-62	-78.66	16.66
						Result: Normal Operation				
	6260	160	6260	-78.83	100	-62	-83.58	21.58		
				Result: Stop Transmission						
				-79.83	< 90	-62	-84.58	22.58		
				Result: Minimal Operation						
				-80.83	0	-62	-85.58	23.58		
				Result: Normal Operation						

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (4.75 dBi).

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

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



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)		
UNII Band 6	6455	20	6455	-71.41	100	-62	-75.70	13.70		
				Result: Stop Transmission						
				-73.41	< 90	-62	-77.70	15.70		
				Result: Minimal Operation						
				-74.41	0	-62	-78.70	16.70		
				Result: Normal Operation						
	6505	160	6430	-70.38	100	-62	-74.67	12.67		
				Result: Stop Transmission						
				-77.38	< 90	-62	-81.67	19.67		
				Result: Minimal Operation						
				-78.38	0	-62	-82.67	20.67		
				Result: Normal Operation						
			6580	160	6505	-67.52	100	-62	-71.81	9.81
						Result: Stop Transmission				
						-72.52	< 90	-62	-76.81	14.81
						Result: Minimal Operation				
						-73.52	0	-62	-77.81	15.81
						Result: Normal Operation				
6580	160	6580	-77.40	100	-62	-81.69	19.69			
			Result: Stop Transmission							
			-80.40	< 90	-62	-84.69	22.69			
			Result: Minimal Operation							
			-81.40	0	-62	-85.69	23.69			
			Result: Normal Operation							

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (4.29 dBi).

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

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



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 7	6695	20	6695	-72.76	100	-62	-77.57	15.57
				Result: Stop Transmission				
				-75.76	< 90	-62	-80.57	18.57
				Result: Minimal Operation				
				-76.76	0	-62	-81.57	19.57
				Result: Normal Operation				
	6665	160	6590	-73.46	100	-62	-78.27	16.27
				Result: Stop Transmission				
				-76.46	< 90	-62	-81.27	19.27
				Result: Minimal Operation				
				-77.46	0	-62	-82.27	20.27
				Result: Normal Operation				
			6740	-68.58	100	-62	-73.39	11.39
				Result: Stop Transmission				
				-71.58	< 90	-62	-76.39	14.39
				Result: Minimal Operation				
				-72.58	0	-62	-77.39	15.39
				Result: Normal Operation				
6740	-71.76	100	-62	-76.57	14.57			
	Result: Stop Transmission							
	-80.76	< 90	-62	-85.57	23.57			
	Result: Minimal Operation							
-81.76	0	-62	-86.57	24.57				
Result: Normal Operation								

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (4.81 dBi).

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

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



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)	
UNII Band 8	7015	20	7015	-72.38	100	-62	-77.12	15.12	
				Result: Stop Transmission					
				-73.38	< 90	-62	-78.12	16.12	
				Result: Minimal Operation					
				-74.38	0	-62	-79.12	17.12	
				Result: Normal Operation					
	6985	160	6910	-64.67	100	-62	-69.41	7.41	
				Result: Stop Transmission					
				-80.67	< 90	-62	-85.41	23.41	
				Result: Minimal Operation					
				-81.67	0	-62	-86.41	24.41	
				Result: Normal Operation					
			7060	7060	-69.44	100	-62	-74.18	12.18
					Result: Stop Transmission				
					-72.44	< 90	-62	-77.18	15.18
					Result: Minimal Operation				
					-73.44	0	-62	-78.18	16.18
					Result: Normal Operation				
7060	7060	-71.42	100	-62	-76.16	14.16			
		Result: Stop Transmission							
		-74.42	< 90	-62	-79.16	17.16			
		Result: Minimal Operation							
-75.42	0	-62	-80.16	18.16					
Result: Normal Operation									

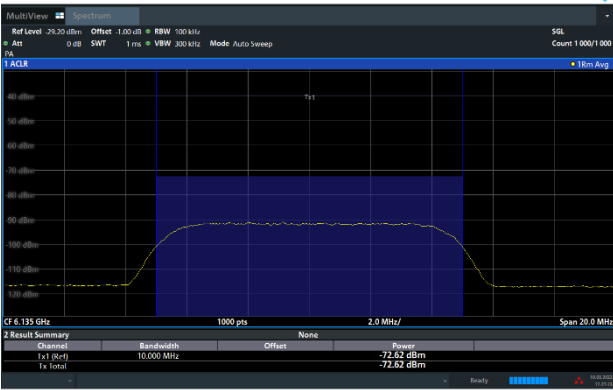
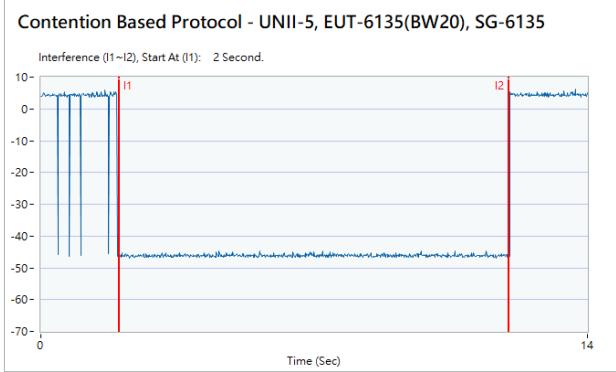
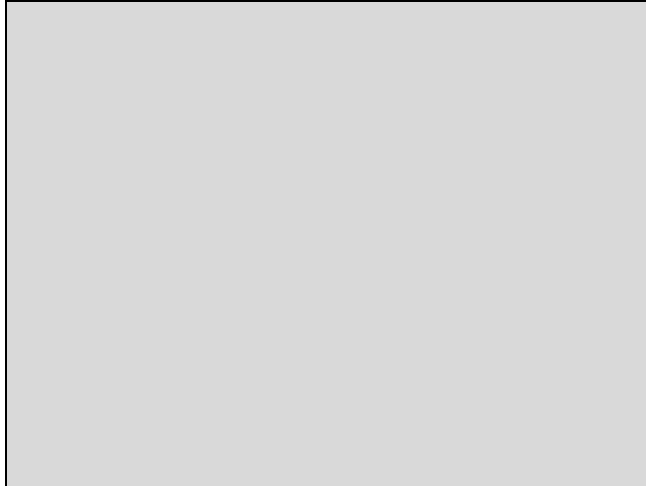
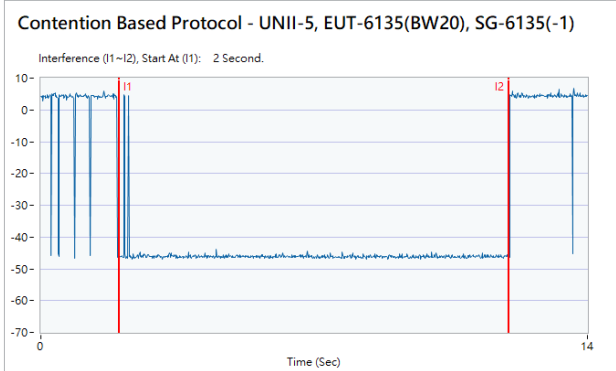
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (4.74 dBi).

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

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



3.5.7 Test Plots of Contention Based Protocol Test

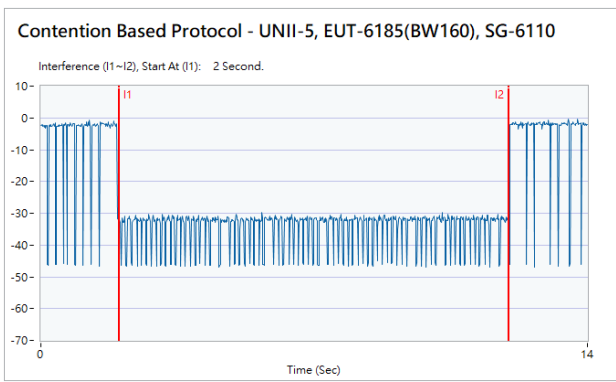
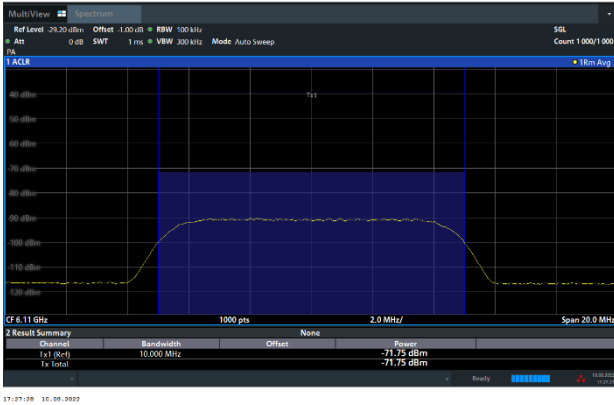
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -72.62dBm</p>	<p>802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.</p>
	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -73.62dBm</p>	<p>802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.</p>
	



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

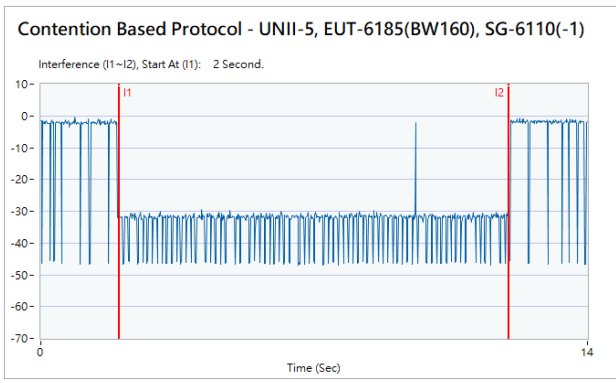
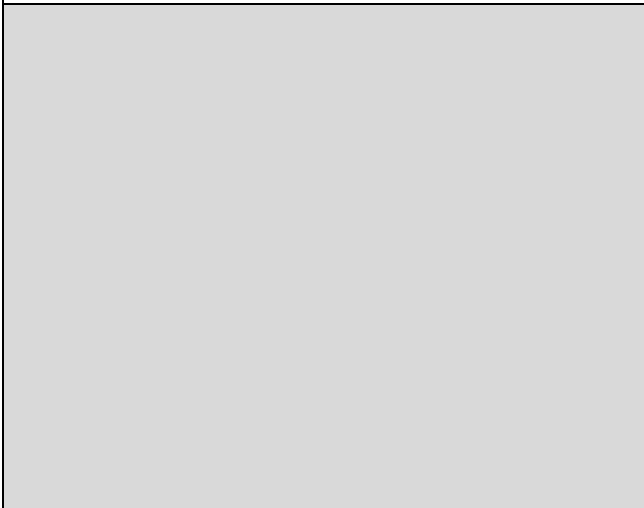
802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -71.75dBm

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



802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -72.75dBm

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



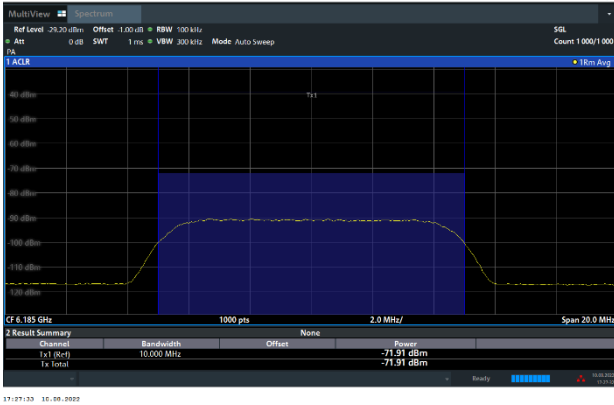


Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -71.91dBm

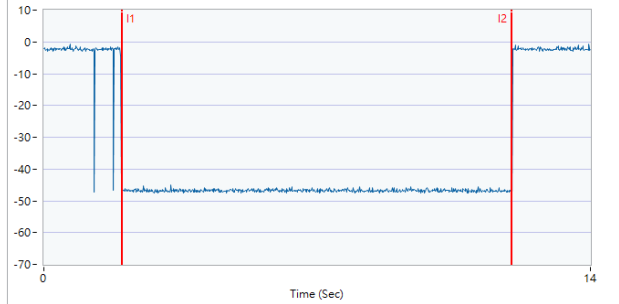
802.11ax (HE160) / CH47 (Middle)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII-5, EUT-6185(BW160), SG-6185

Interference (I1-I2), Start At (I1): 2 Second.



802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -72.91dBm

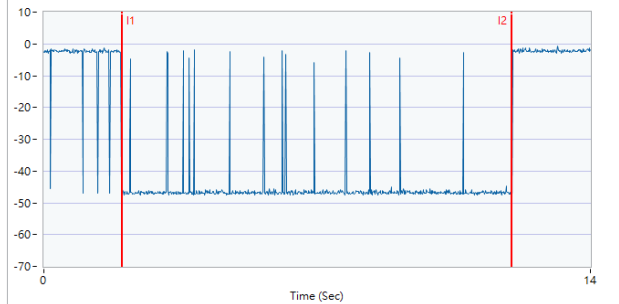
802.11ax (HE160) / CH47 (Middle)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII-5, EUT-6185(BW160), SG-6185(-1)

Interference (I1-I2), Start At (I1): 2 Second.

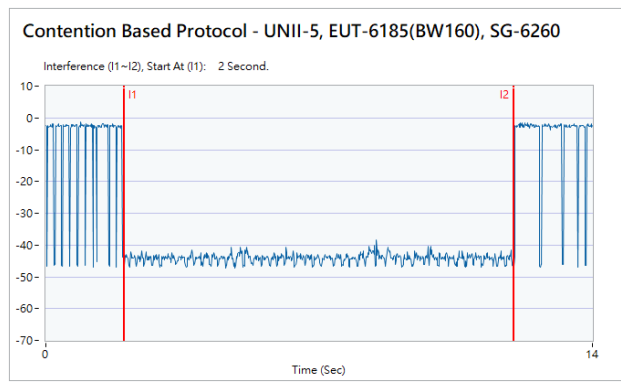
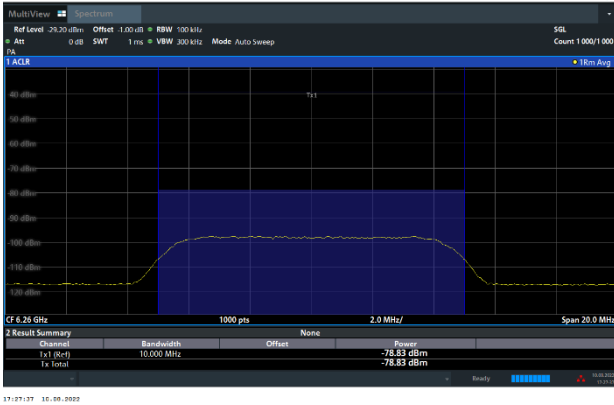




Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

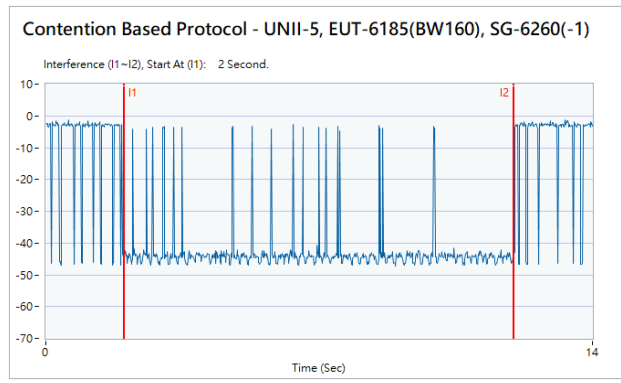
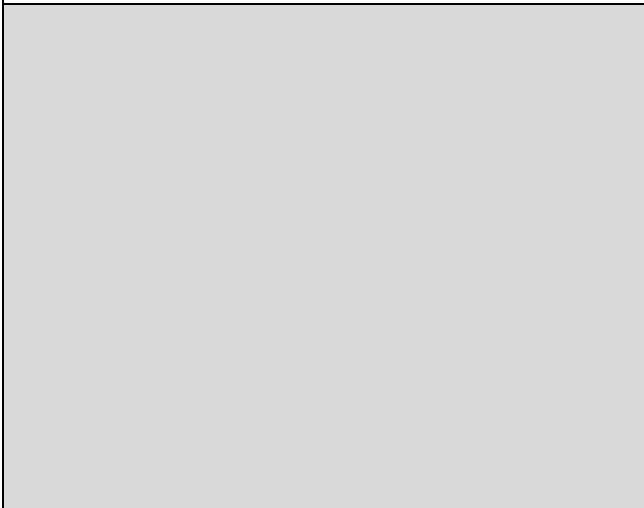
802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -78.83dBm

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



802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -79.83dBm

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

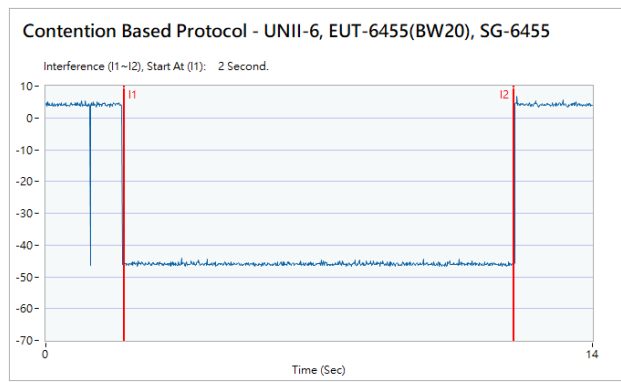
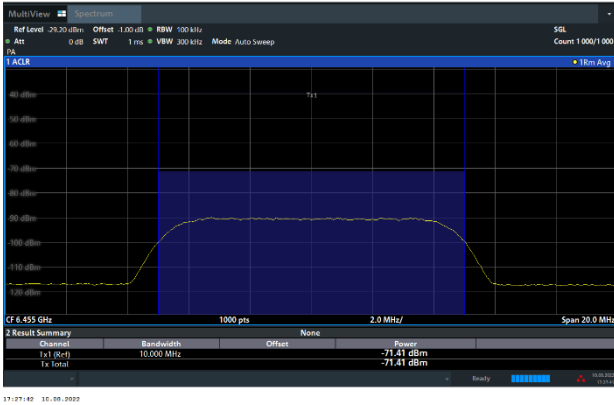




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

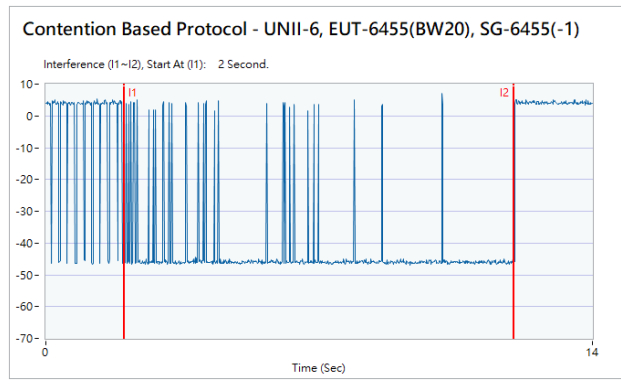
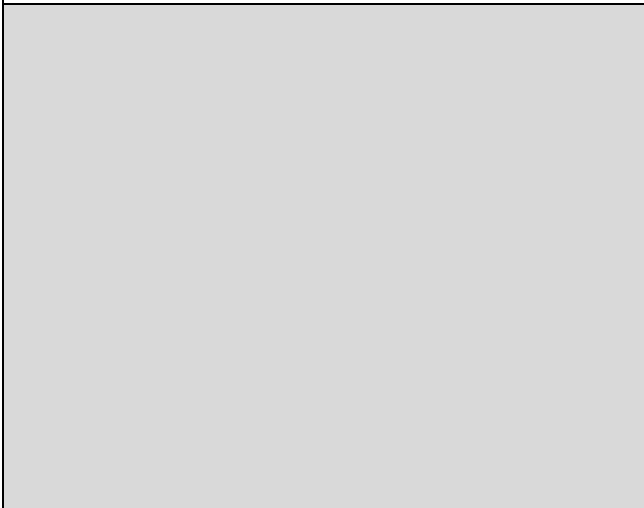
802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -71.41dBm

802.11ax (HE20) / CH101
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -72.41dBm

802.11ax (HE20) / CH101
Transmit when the interferer is 1dB lower.

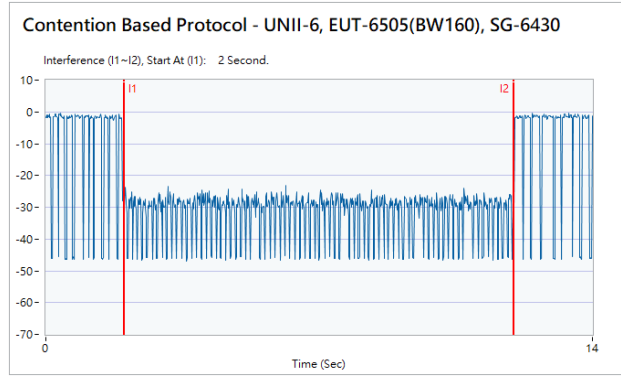
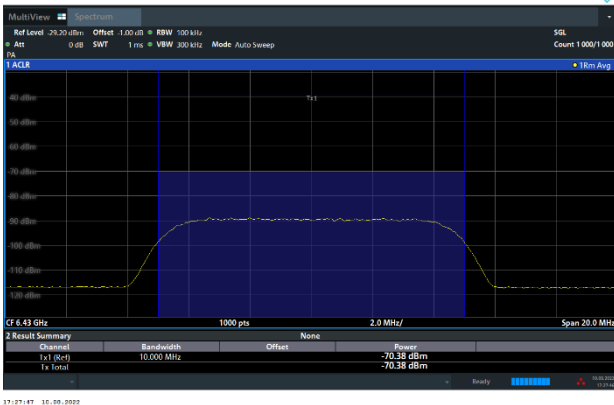




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

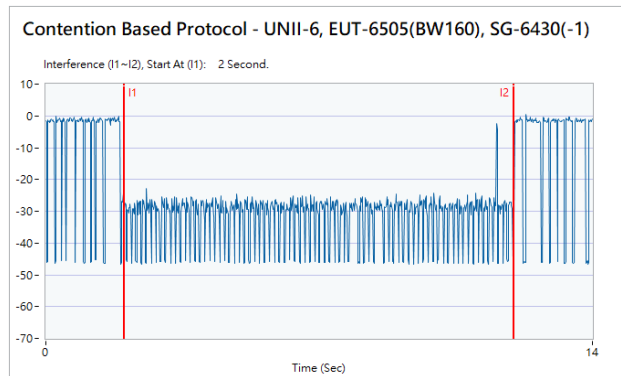
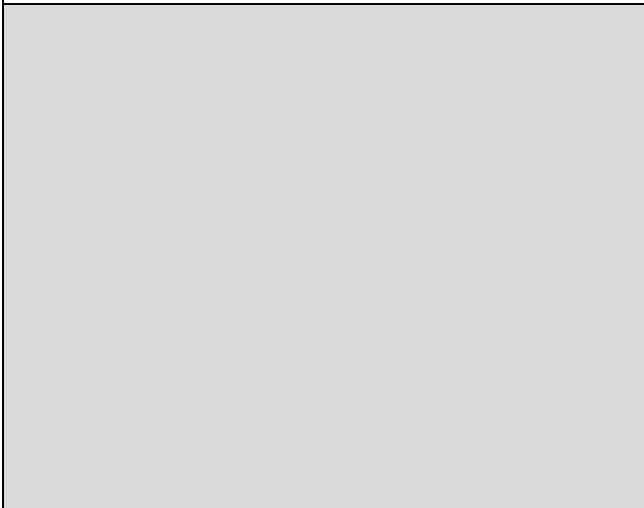
802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -70.38dBm

802.11ax (HE160) / CH111 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -71.38dBm

802.11ax (HE160) / CH111 (Lower edge)
Transmit when the interferer is 1dB lower.

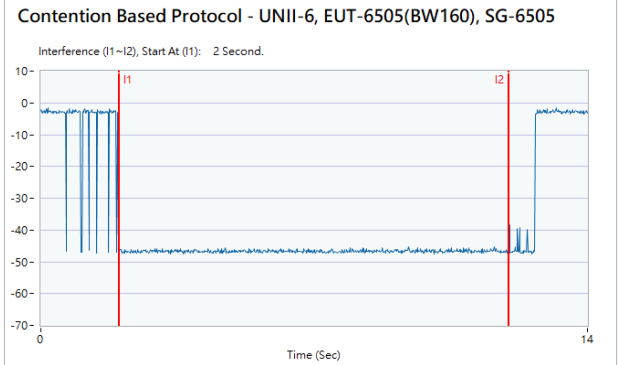
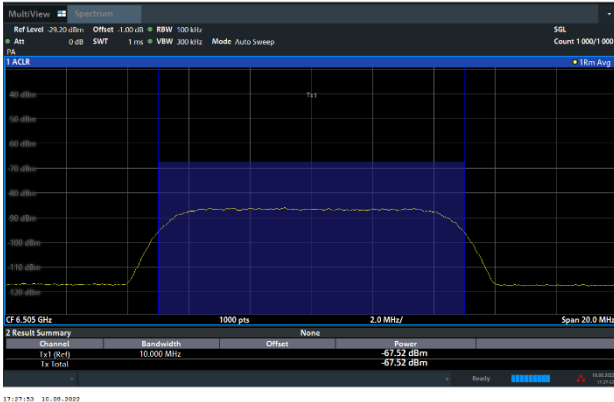




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

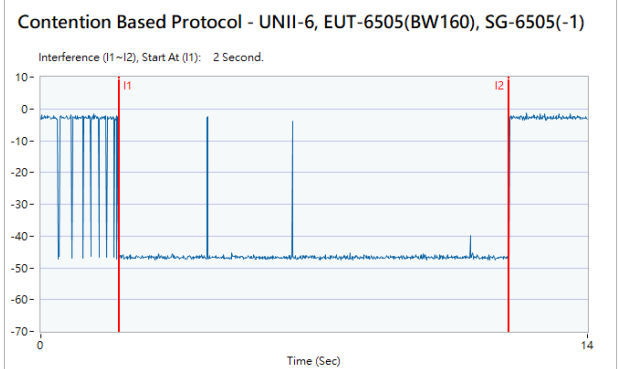
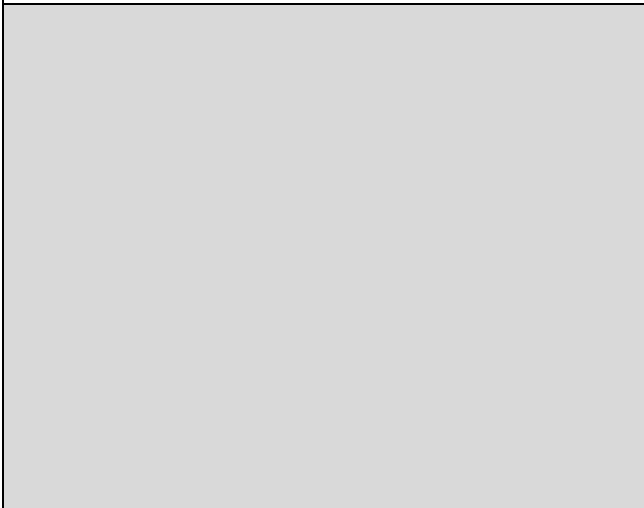
802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -67.52dBm

802.11ax (HE160) / CH111 (Middle)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -68.52dBm

802.11ax (HE160) / CH111 (Middle)
Transmit when the interferer is 1dB lower.

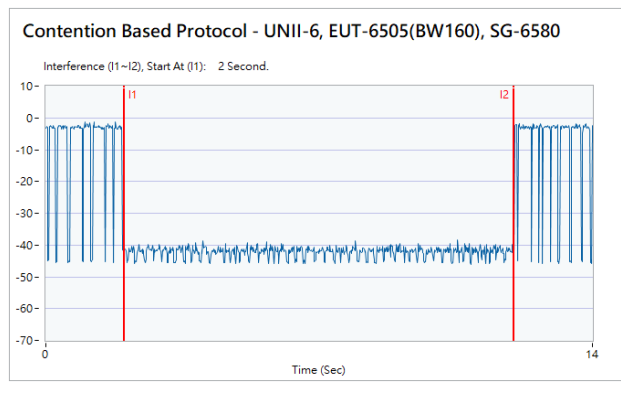
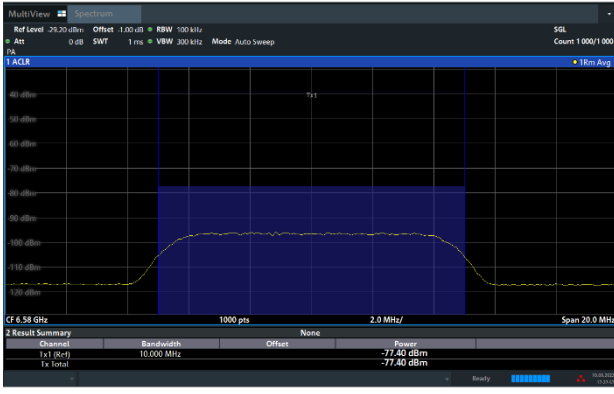




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

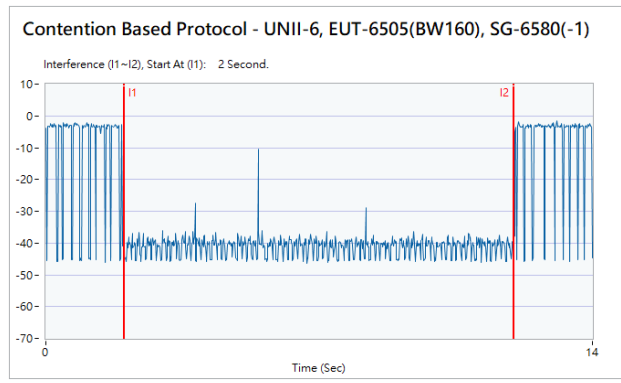
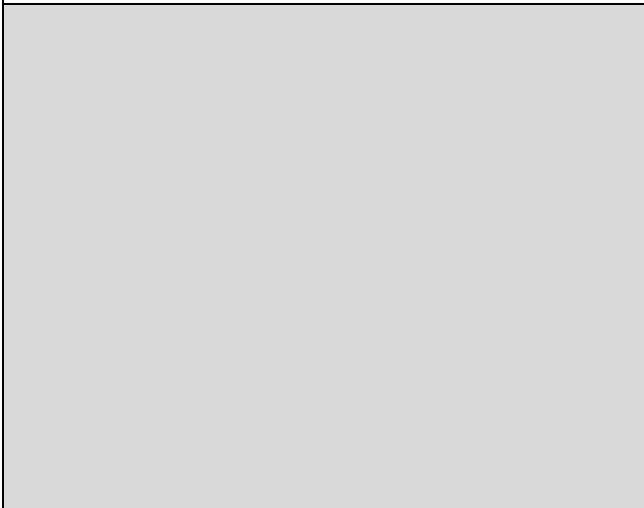
802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -77.40dBm

802.11ax (HE160) / CH111 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -78.40dBm

802.11ax (HE160) / CH111 (Upper edge)
Transmit when the interferer is 1dB lower.

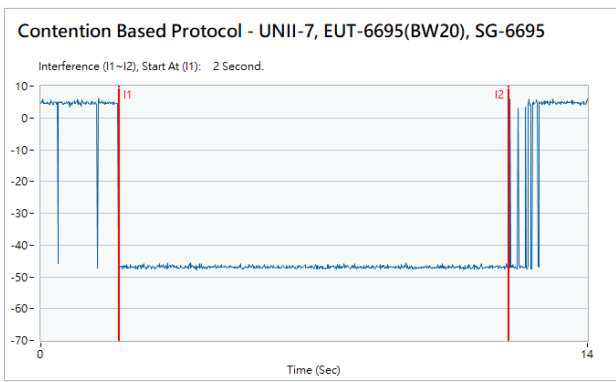
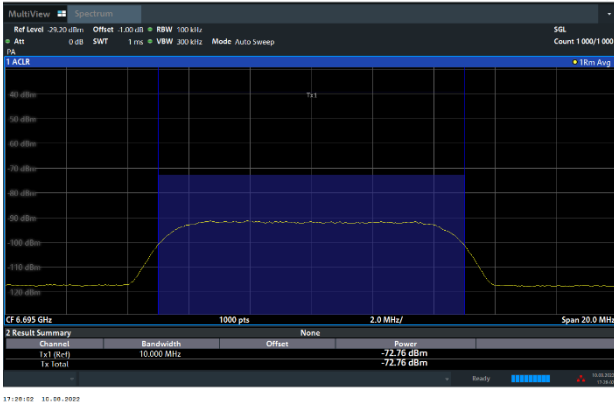




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

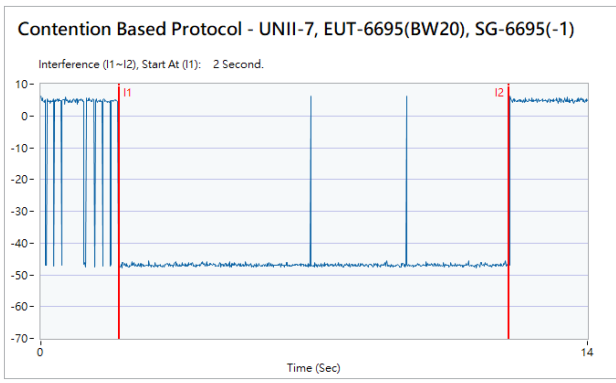
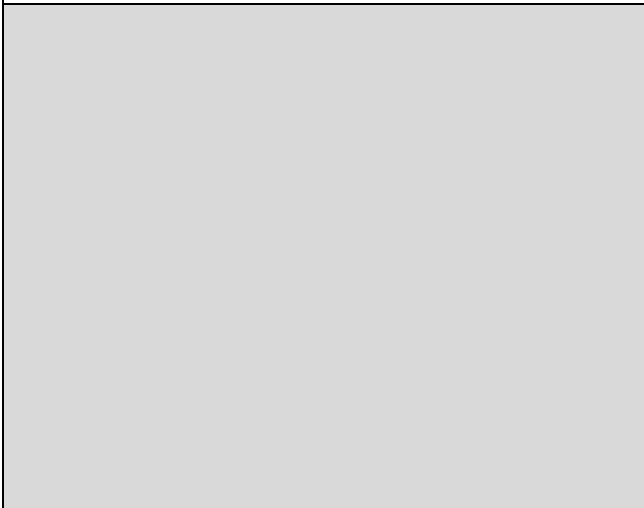
802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -72.76dBm

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



802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -73.76dBm

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

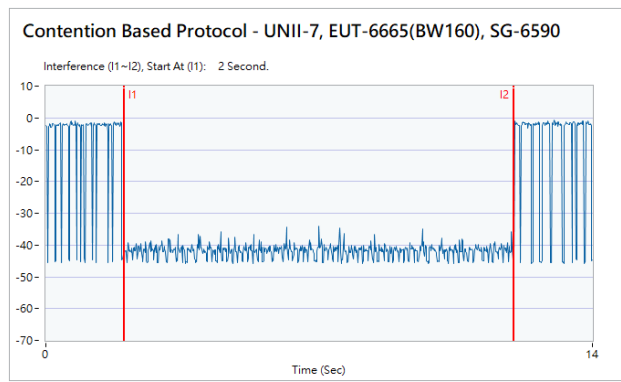
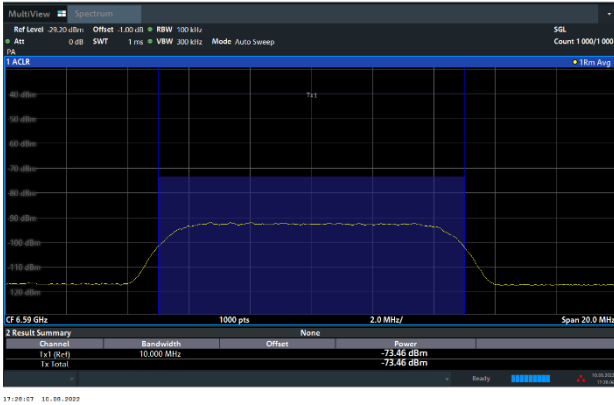




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

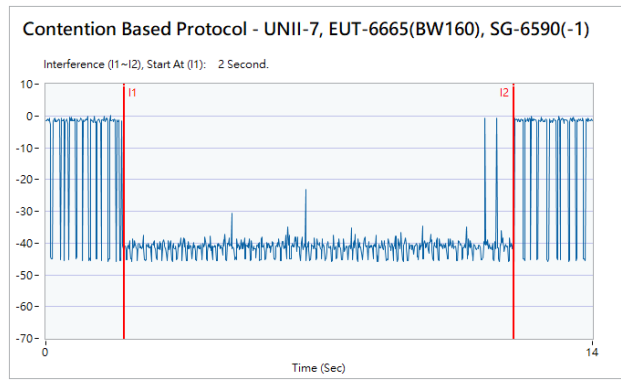
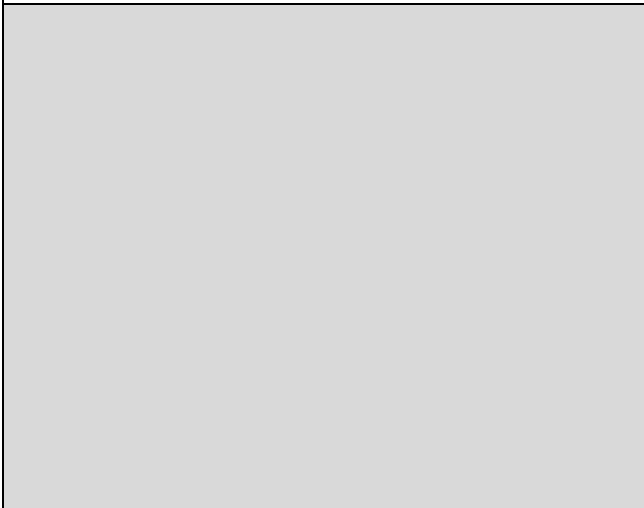
802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -73.46dBm

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



802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -74.46dBm

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

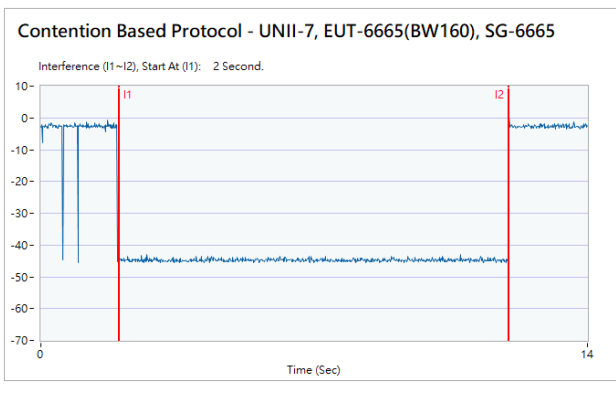
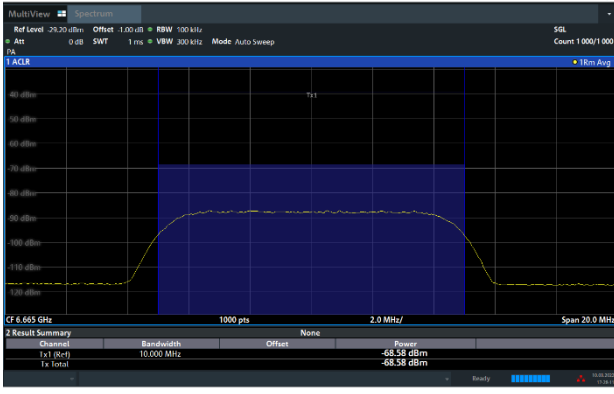




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

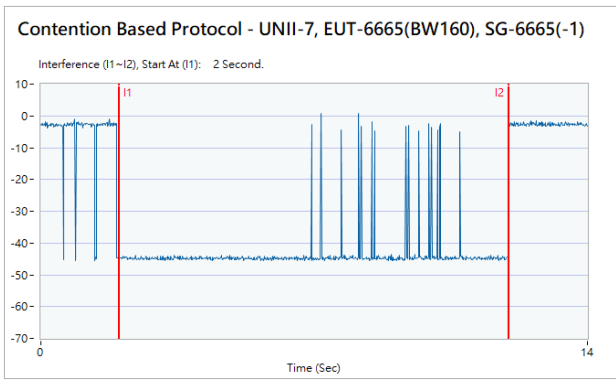
802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -68.58dBm

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



802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -69.58dBm

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

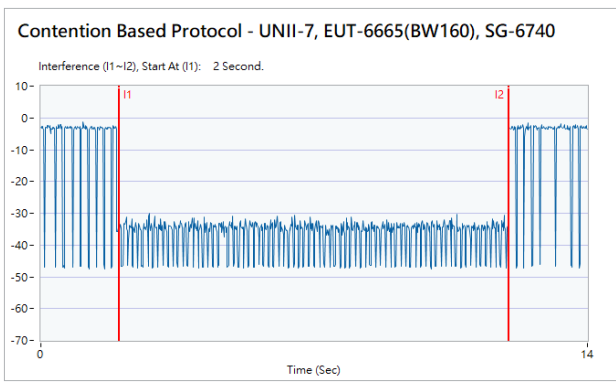
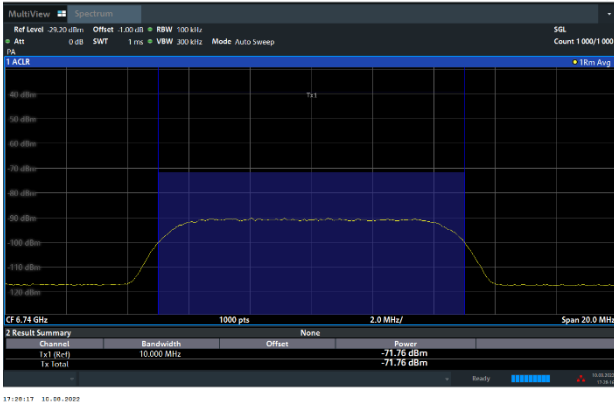




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

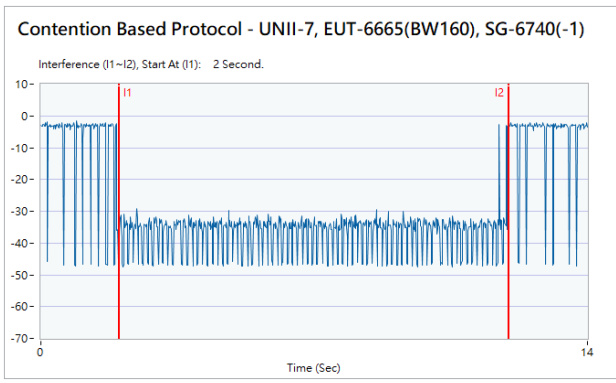
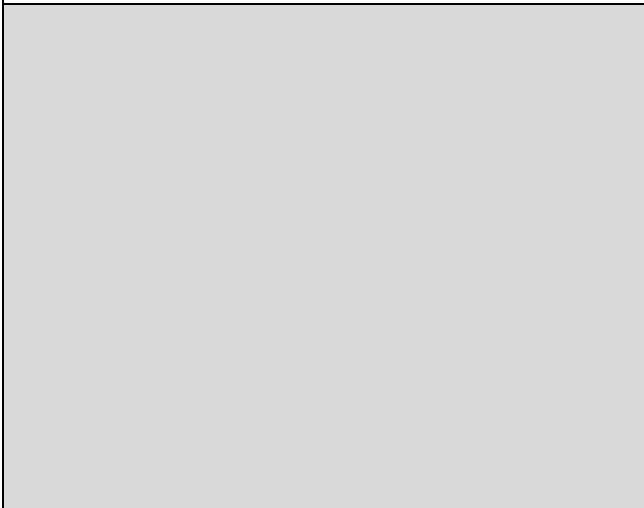
802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -71.76dBm

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



802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -72.76dBm

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

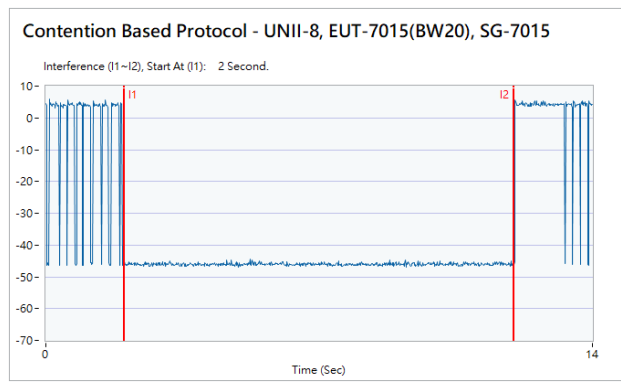
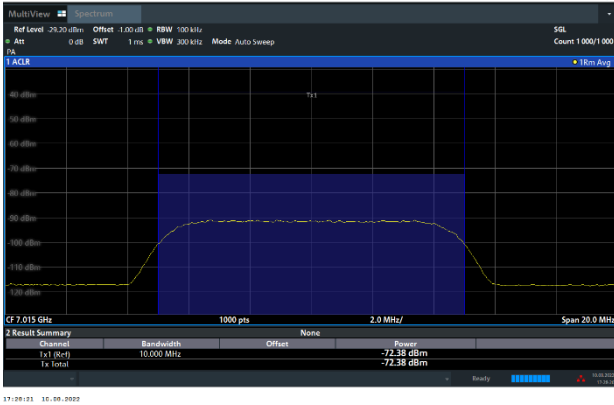




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

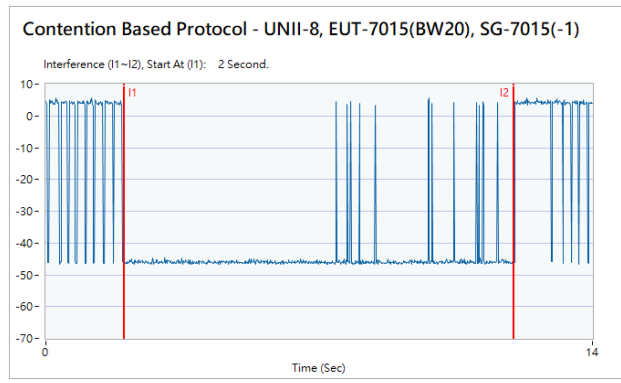
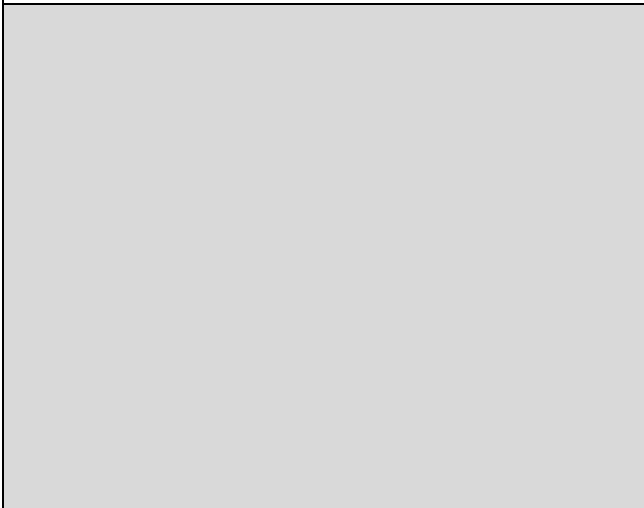
802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -72.38dBm

802.11ax (HE20) / CH213
Test result is pass due to no transmission occur.



802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -73.38dBm

802.11ax (HE20) / CH213
Transmit when the interferer is 1dB lower.

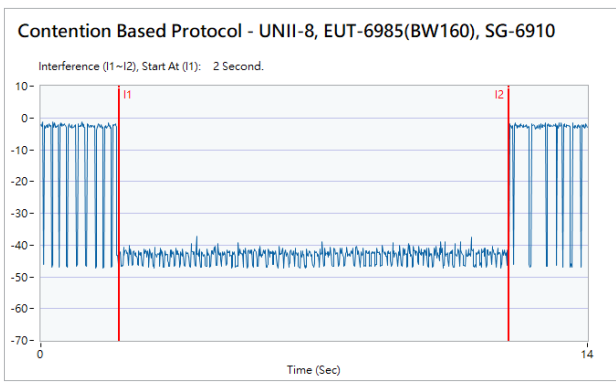
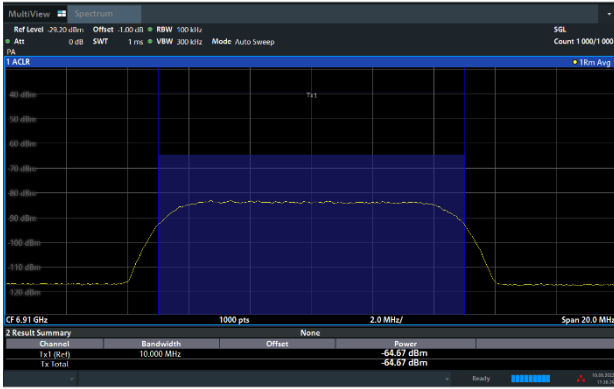




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

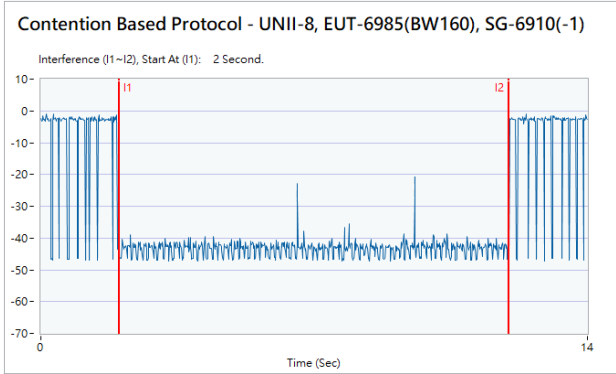
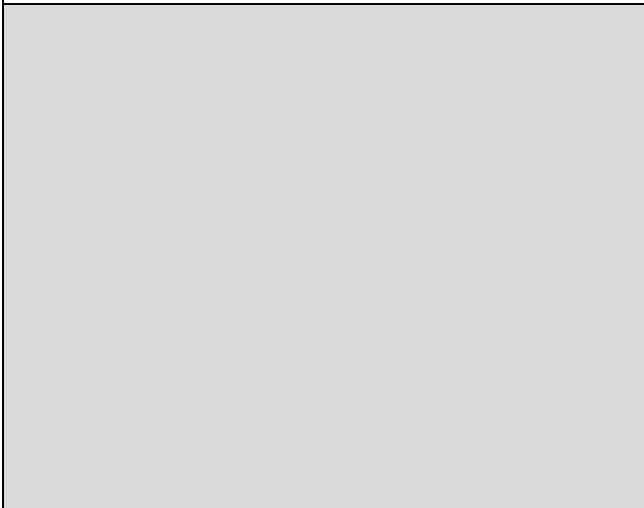
802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -64.67dBm

802.11ax (HE160) / CH207 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -65.67dBm

802.11ax (HE160) / CH207 (Lower edge)
Transmit when the interferer is 1dB lower.

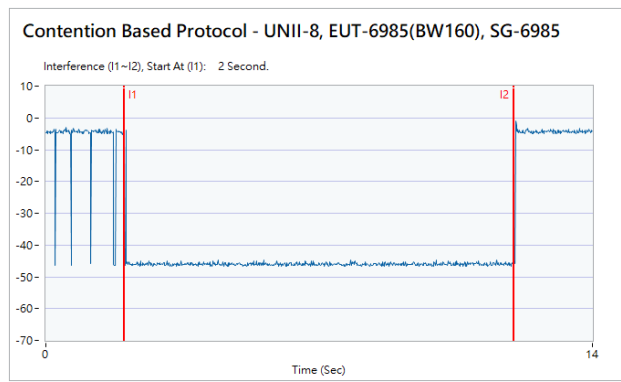
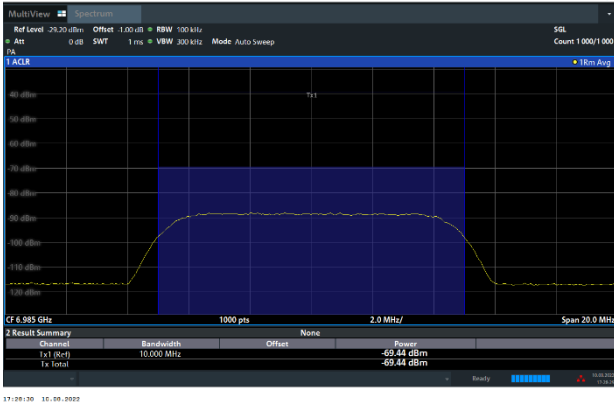




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

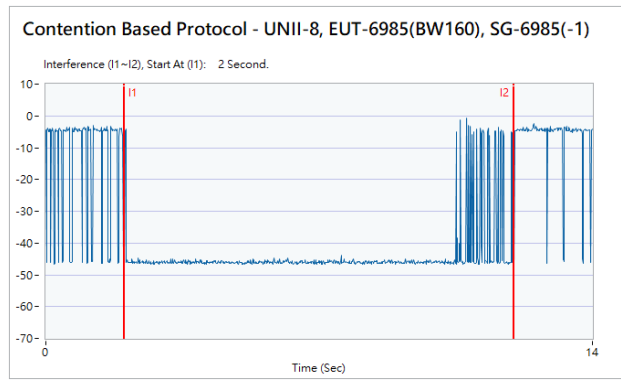
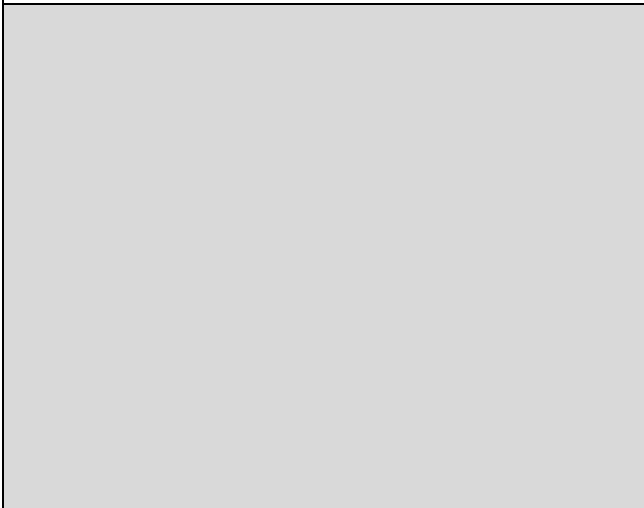
802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -69.44dBm

802.11ax (HE160) / CH207 (Middle)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -70.44dBm

802.11ax (HE160) / CH207 (Middle)
Transmit when the interferer is 1dB lower.

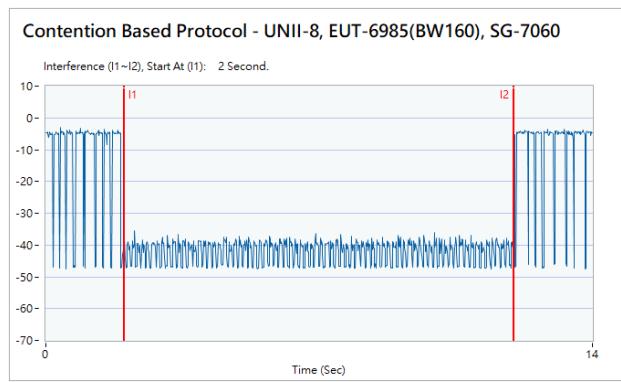
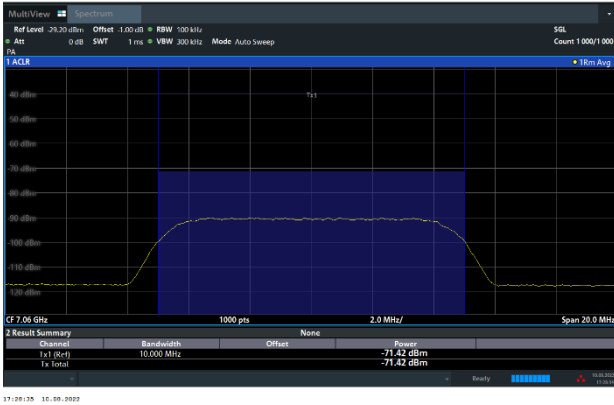




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

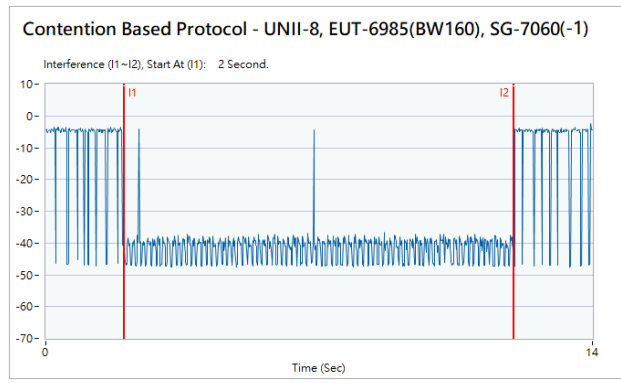
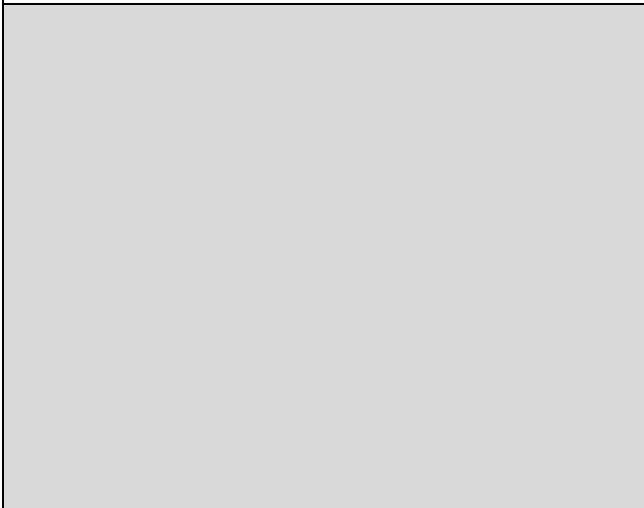
802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -71.42dBm

802.11ax (HE160) / CH207 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -72.42dBm

802.11ax (HE160) / CH207 (Upper edge)
Transmit when the interferer is 1dB lower.



3.6 Unwanted Emissions Measurement

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

3.6.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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 the ANSI C63.10 Section 11.12.2 Antenna-port conducted measurements.
2. Measure the conducted output power (in dBm) using the peak detector.
3. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP.
4. Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies \leq 30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies $>$ 1000 MHz).
5. Convert the resultant EIRP to an equivalent electric field strength using the following relationship:
$$E = \text{EIRP} - 20 \log d + 104.8,$$
where
E is the electric field strength in dB μ V/m
EIRP is the equivalent isotropically radiated power in dBm
d is the specified measurement distance in 3m
6. Compare the resultant electric field strength level with the applicable regulatory limit.
7. Corrected Reading for conducted spurious emission: Antenna Gain + Path Loss + MIMO Factor + Read Level = Level
8. Perform the cabinet radiated spurious emission test and verify radiated spurious emission with Antenna B and C



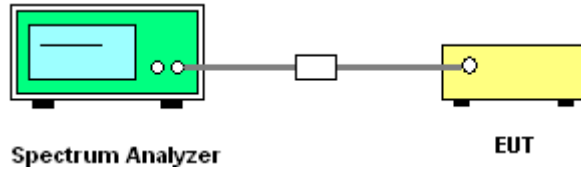
9. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
- (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
- RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
- (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
- RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
- (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
- RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- (4) Procedures for Average Unwanted Emissions Measurements within 2 MHz of the band edge
- RBW = 100 kHz
 - Perform band-power integration across the 1 MHz bandwidth in which the band-edge emission level is to be measured.



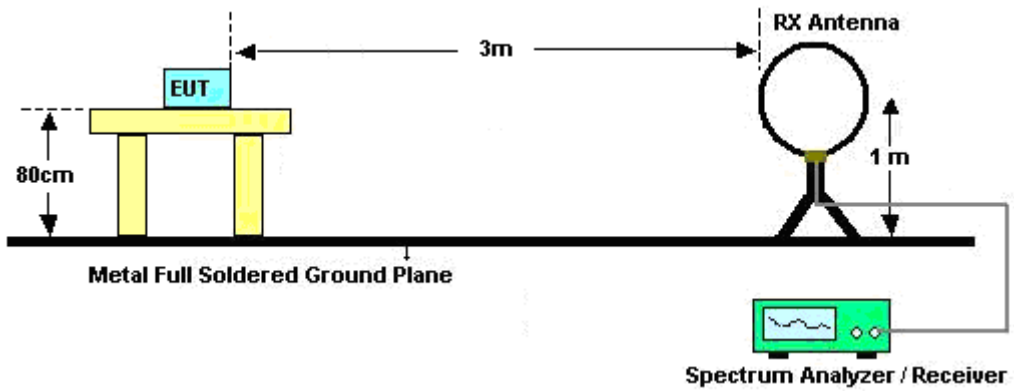
10. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
11. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
12. The antenna is a broadband antenna 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.
13. 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.
14. 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 “-“.
15. 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

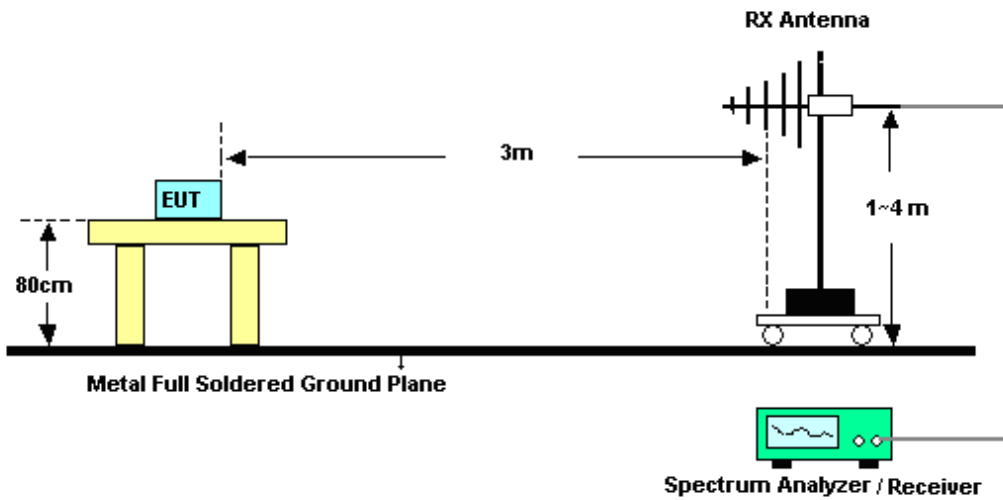
For Conducted Measurement Setup:



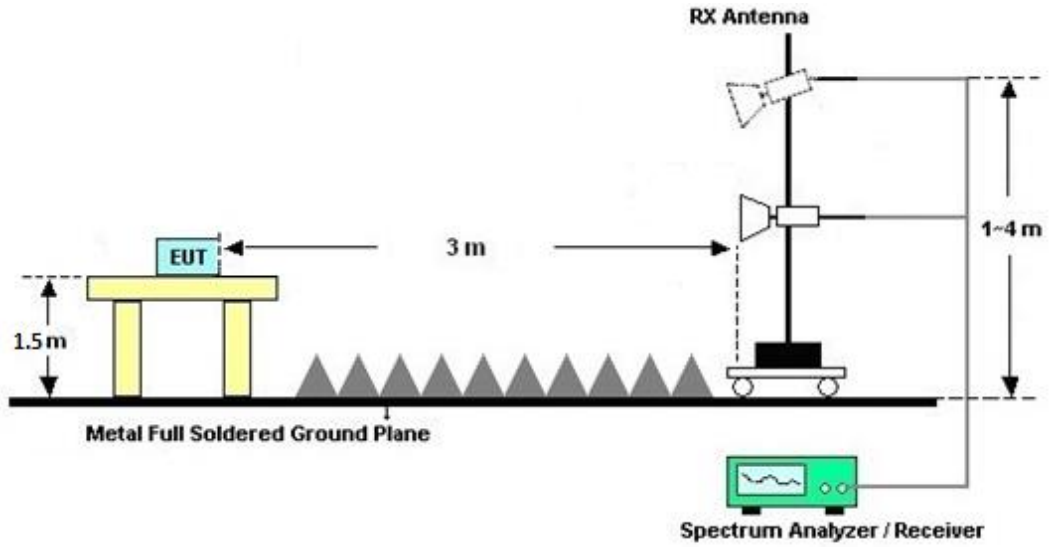
For radiated emissions below 30MHz



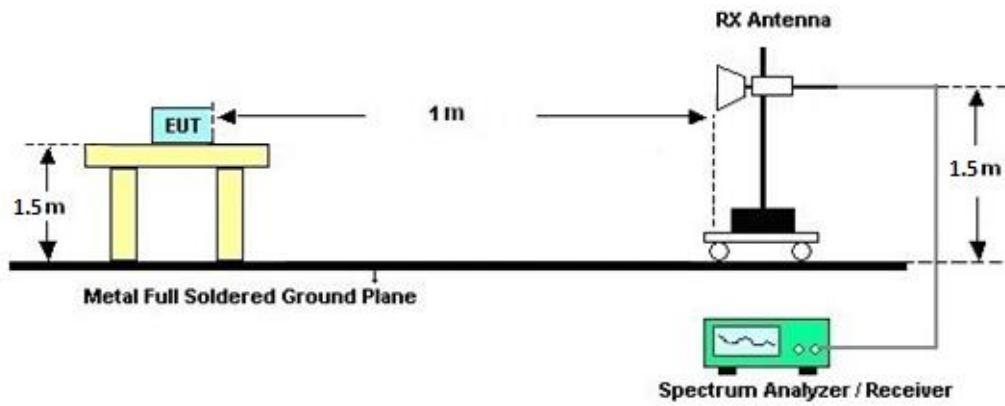
For radiated emissions from 30MHz to 1GHz



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 Conduced Spurious at Band Edges in the Restricted Band

Please refer to Appendix B and C.

3.6.7 Test Result of Conduced Spurious Emission in the Restricted Band

Please refer to Appendix B and C.

3.6.8 Test Result of Cabinet Radiated Spurious at Band Edges

Please refer to Appendix D and E.

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

Please refer to Appendix D and E.

3.6.10 Test Result of Radiated Spurious Emissions in the Restricted Band

Please refer to Appendix F and G.

3.6.11 Duty Cycle

Please refer to Appendix H.

3.7 Antenna Requirements

3.7.1 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.2 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

The directional gain calculated as

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

The EUT supports beamforming for 802.11ac and 11ax modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.



The directional gain “DG” is calculated as following table.

	Ant 5	Ant 4	DG	DG
			for	for
	(dBi)	(dBi)	Power	PSD
			(dBi)	(dBi)
5925 MHz ~ 6425 MHz	5.14	5.14	8.15	8.15
6425 MHz ~ 6525 MHz	5.09	5.09	8.10	8.10
6525 MHz ~ 6875 MHz	5.16	5.16	8.17	8.17
6875 MHz ~ 7125 MHz	5.12	5.12	8.13	8.13

Calculation example:

For the band 5925~6425MHz, the DG for PSD is derived from formula is

$$10 \times \log \left\{ \left[10^{(5.14\text{dBi} / 20)} + 10^{(5.14\text{dBi} / 20)} \right]^2 / 2 \right\}$$

= 8.15 dBi



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. 09, 2021	Jul. 28, 2022~ Aug. 09, 2022	Sep. 08, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Jul. 28, 2022~ Aug. 09, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Jul. 28, 2022~ Aug. 09, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Aug. 04, 2021	Jul. 28, 2022~ Aug. 02, 2022	Aug. 03, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Aug. 02, 2022~ Aug. 09, 2022	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917025 1	18GHz~40GHz	Nov. 30, 2021	Jul. 28, 2022~ Aug. 09, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-30 3	17100018000 55006	1GHz~18GHz	May 05, 2022	Jul. 28, 2022~ Aug. 09, 2022	May 04, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Jul. 28, 2022~ Jul. 29, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Nov. 28, 2021	Jul. 29, 2022~ Aug. 09, 2022	Nov. 27, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 28, 2022	Jul. 28, 2022~ Aug. 09, 2022	Jun. 27, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Jul. 28, 2022~ Aug. 09, 2022	Oct. 20, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 07, 2022	Jul. 28, 2022~ Aug. 09, 2022	Mar. 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 28, 2022~ Aug. 09, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 28, 2022~ Aug. 09, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jul. 28, 2022~ Aug. 09, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY9838/4PE, 508405/2E,58 2185/4	30MHz~18G	May 12, 2022	Jul. 28, 2022~ Aug. 09, 2022	May 11, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 04, 2022	Jul. 28, 2022~ Aug. 09, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Jul. 28, 2022~ Aug. 09, 2022	Mar. 09, 2023	Radiation (03CH15-HY)
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Mar. 17, 2022~ Aug. 12, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-2101 002(NO:123)	10MHz~8GHz	Jan. 13, 2022	Mar. 17, 2022~ Aug. 12, 2022	Jan. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Mar. 17, 2022~ Aug. 12, 2022	Aug. 29, 2022	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	ROHDE & SCHWARZ	FSV40	101565	10Hz~40GHz	Dec. 29, 2021	Jun. 03, 2022~ Aug. 15, 2022~	Dec. 28, 2022	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Jun. 03, 2022~ Aug. 15, 2022	Mar. 09, 2023	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 10, 2021	Jun. 03, 2022~ Aug. 15, 2022	Dec. 09, 2022	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Jun. 03, 2022~ Aug. 15, 2022	Feb. 20, 2023	CSE (TH05-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 15, 2022	Jun. 03, 2022~ Aug. 15, 2022	Mar. 14, 2023	CSE (TH05-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN17	6.75GHz High Pass Filter	May 23, 2022	Jun. 03, 2022~ Aug. 15, 2022	May 22, 2023	CSE (TH05-HY)
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Jan. 13, 2022	Aug. 10, 2022	Jan. 12, 2023	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101104	10Hz~44GHz	Feb. 16, 2022	Aug. 10, 2022	Feb. 15, 2023	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A 1	0.5GHz-18GHz	Calibration from System	Aug. 10, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A 2	0.5GHz-18GHz	Calibration from System	Aug. 10, 2022	Calibration from System	CBP (DF02-HY)
Coupler	MVE	MVE4816	A400014	0.5-18GHz	Calibration from System	Aug. 04, 2022~ Aug. 10, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	ST108-0010(# 2)	2GHz-8GHz	Calibration from System	Aug. 10, 2022	Calibration from System	CBP (DF02-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.8 dB
---	--------

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
---	--------

Appendix A. Test Result of Conducted Test Items

<Indoor Client>

Test Engineer:	Richard Qiu/Derek Hsu	Temperature:	21~25	°C
Test Date:	2022/03/17~2022/08/05	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band V MIMO									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	002	5935	16.76	16.76	19.45	19.10	
11a	6Mbps	2	001	5955	16.96	16.76	19.35	19.75	
11a	6Mbps	2	045	6175	16.76	16.76	18.95	19.35	
11a	6Mbps	2	093	6415	16.76	16.76	19.70	19.00	

TEST RESULTS DATA
EIRP Power Table

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	002	5935	-2.30	-1.90	0.91	8.15		9.07	24.00	Pass
11a	6Mbps	2	001	5955	-2.80	-2.00	0.63	8.15		8.78	24.00	Pass
11a	6Mbps	2	045	6175	-2.40	-3.80	-0.03	8.15		8.12	24.00	Pass
11a	6Mbps	2	093	6415	-1.90	-3.30	0.47	8.15		8.62	24.00	Pass
HT20	MCS0	2	002	5935	-2.00	-2.20	0.91	8.15		9.06	24.00	Pass
HT20	MCS0	2	001	5955	-1.90	-1.80	1.16	8.15		9.31	24.00	Pass
HT20	MCS0	2	045	6175	-1.30	-2.70	1.07	8.15		9.22	24.00	Pass
HT20	MCS0	2	093	6415	-1.90	-3.50	0.38	8.15		8.53	24.00	Pass
HT40	MCS0	2	003	5965	1.20	-0.40	3.48	8.15		11.63	24.00	Pass
HT40	MCS0	2	043	6165	1.10	0.10	3.64	8.15		11.79	24.00	Pass
HT40	MCS0	2	091	6405	0.50	0.50	3.51	8.15		11.66	24.00	Pass
VHT20	MCS0	2	002	5935	-2.00	-2.20	0.91	8.15		9.06	24.00	Pass
VHT20	MCS0	2	001	5955	-1.90	-1.80	1.16	8.15		9.31	24.00	Pass
VHT20	MCS0	2	045	6175	-1.30	-2.70	1.07	8.15		9.22	24.00	Pass
VHT20	MCS0	2	093	6415	-1.90	-3.50	0.38	8.15		8.53	24.00	Pass
VHT40	MCS0	2	003	5965	1.20	-0.40	3.48	8.15		11.63	24.00	Pass
VHT40	MCS0	2	043	6165	1.10	0.10	3.64	8.15		11.79	24.00	Pass
VHT40	MCS0	2	091	6405	0.50	0.50	3.51	8.15		11.66	24.00	Pass
VHT80	MCS0	2	007	5985	3.40	2.40	5.94	8.15		14.09	24.00	Pass
VHT80	MCS0	2	039	6145	3.10	1.40	5.34	8.15		13.49	24.00	Pass
VHT80	MCS0	2	087	6385	2.90	2.70	5.81	8.15		13.96	24.00	Pass
VHT160	MCS0	2	015	6025	6.20	4.90	8.61	8.15		16.76	24.00	Pass
VHT160	MCS0	2	047	6185	6.20	5.00	8.65	8.15		16.80	24.00	Pass
VHT160	MCS0	2	079	6345	6.40	5.20	8.85	8.15		17.00	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	002	5935			-9.24	8.15	-1.09	-1.00	Pass	
11a	6Mbps	2	001	5955			-9.48	8.15	-1.33	-1.00	Pass	
11a	6Mbps	2	045	6175			-10.04	8.15	-1.89	-1.00	Pass	
11a	6Mbps	2	093	6415			-9.42	8.15	-1.27	-1.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band VI MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	097	6435	16.76	16.76	19.70	19.90	
11a	6Mbps	2	105	6475	16.76	16.76	19.80	19.75	
11a	6Mbps	2	113	6515	16.76	16.76	19.95	20.10	

TEST RESULTS DATA
EIRP Power Table

FCC Band VI MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	097	6435	-3.00	-2.80	0.11	8.10	8.21	24.00	Pass	
11a	6Mbps	2	105	6475	-2.20	-2.60	0.61	8.10	8.72	24.00	Pass	
11a	6Mbps	2	113	6515	-2.10	-3.20	0.40	8.10	8.50	24.00	Pass	
HT20	MCS0	2	097	6435	-1.60	-3.20	0.68	8.10	8.78	24.00	Pass	
HT20	MCS0	2	105	6475	-1.90	-2.30	0.91	8.10	9.02	24.00	Pass	
HT20	MCS0	2	113	6515	-1.80	-3.00	0.65	8.10	8.75	24.00	Pass	
HT40	MCS0	2	099	6445	0.50	-0.50	3.04	8.10	11.14	24.00	Pass	
HT40	MCS0	2	107	6485	0.10	-0.60	2.77	8.10	10.87	24.00	Pass	
VHT20	MCS0	2	097	6435	-1.60	-3.20	0.68	8.10	8.78	24.00	Pass	
VHT20	MCS0	2	105	6475	-1.90	-2.30	0.91	8.10	9.02	24.00	Pass	
VHT20	MCS0	2	113	6515	-1.80	-3.00	0.65	8.10	8.75	24.00	Pass	
VHT40	MCS0	2	099	6445	0.50	-0.50	3.04	8.10	11.14	24.00	Pass	
VHT40	MCS0	2	107	6485	0.10	-0.60	2.77	8.10	10.87	24.00	Pass	
VHT80	MCS0	2	103	6465	2.20	3.00	5.63	8.10	13.73	24.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band VI MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	097	6435			-9.78	8.10		-1.68	-1.00	Pass
11a	6Mbps	2	105	6475			-9.38	8.10		-1.27	-1.00	Pass
11a	6Mbps	2	113	6515			-9.50	8.10		-1.40	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band VII MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	117	6535	16.76	16.76	19.80	19.30	
11a	6Mbps	2	149	6695	16.76	16.76	19.70	19.75	
11a	6Mbps	2	181	6855	16.76	16.76	19.65	19.10	

TEST RESULTS DATA
EIRP Power Table

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	117	6535	-2.50	-3.40	0.08	8.17		8.25	24.00	Pass
11a	6Mbps	2	149	6695	-2.80	-2.60	0.31	8.17		8.48	24.00	Pass
11a	6Mbps	2	181	6855	-2.20	-2.70	0.57	8.17		8.74	24.00	Pass
HT20	MCS0	2	117	6535	-2.00	-2.30	0.86	8.17		9.03	24.00	Pass
HT20	MCS0	2	149	6695	-2.00	-2.30	0.86	8.17		9.03	24.00	Pass
HT20	MCS0	2	181	6855	-1.70	-2.30	1.02	8.17		9.19	24.00	Pass
HT40	MCS0	2	123	6565	0.20	0.00	3.11	8.17		11.28	24.00	Pass
HT40	MCS0	2	147	6685	1.00	-0.60	3.28	8.17		11.45	24.00	Pass
HT40	MCS0	2	179	6845	0.50	-0.20	3.17	8.17		11.34	24.00	Pass
VHT20	MCS0	2	117	6535	-2.00	-2.30	0.86	8.17		9.03	24.00	Pass
VHT20	MCS0	2	149	6695	-2.00	-2.30	0.86	8.17		9.03	24.00	Pass
VHT20	MCS0	2	181	6855	-1.70	-2.30	1.02	8.17		9.19	24.00	Pass
VHT40	MCS0	2	123	6565	0.20	0.00	3.11	8.17		11.28	24.00	Pass
VHT40	MCS0	2	147	6685	1.00	-0.60	3.28	8.17		11.45	24.00	Pass
VHT40	MCS0	2	179	6845	0.50	-0.20	3.17	8.17		11.34	24.00	Pass
VHT80	MCS0	2	135	6625	3.30	1.90	5.67	8.17		13.84	24.00	Pass
VHT80	MCS0	2	151	6705	2.90	1.90	5.44	8.17		13.61	24.00	Pass
VHT80	MCS0	2	167	6785	2.70	2.30	5.51	8.17		13.69	24.00	Pass
VHT160	MCS0	2	143	6665	5.50	4.60	8.08	8.17		16.25	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	117	6535			-9.80	8.17		-1.63	-1.00	Pass
11a	6Mbps	2	149	6695			-9.53	8.17		-1.35	-1.00	Pass
11a	6Mbps	2	181	6855			-9.34	8.17		-1.17	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

Band VIII MIMO									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	209	6995	16.76	16.76	19.40	19.35	
11a	6Mbps	2	229	7095	16.76	16.76	19.65	19.00	
11a	6Mbps	2	233	7115	16.76	16.76	19.55	19.05	

Band VIII straddle channel MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	
11a	MCS0	2	185	6875	16.76	16.76	19.95	19.85							

TEST RESULTS DATA
EIRP Power Table

FCC Band VIII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	209	6995	-1.80	-4.30	0.14	8.13	8.27	24.00	Pass	
11a	6Mbps	2	229	7095	-1.60	-0.50	2.00	8.13	10.13	24.00	Pass	
11a	6Mbps	2	233	7115	-2.30	0.40	2.27	8.13	10.40	24.00	Pass	
HT20	MCS0	2	209	6995	-1.30	-2.50	1.15	8.13	9.28	24.00	Pass	
HT20	MCS0	2	229	7095	-0.60	0.40	2.94	8.13	11.07	24.00	Pass	
HT20	MCS0	2	233	7115	-2.30	-0.20	1.89	8.13	10.02	24.00	Pass	
HT40	MCS0	2	203	6965	1.00	0.30	3.67	8.13	11.80	24.00	Pass	
HT40	MCS0	2	227	7085	1.50	1.50	4.51	8.13	12.64	24.00	Pass	
VHT20	MCS0	2	209	6995	-1.30	-2.50	1.15	8.13	9.28	24.00	Pass	
VHT20	MCS0	2	229	7095	-0.60	0.40	2.94	8.13	11.07	24.00	Pass	
VHT20	MCS0	2	233	7115	-2.40	-0.20	1.85	8.13	9.98	24.00	Pass	
VHT40	MCS0	2	203	6965	1.00	0.30	3.67	8.13	11.80	24.00	Pass	
VHT40	MCS0	2	227	7085	1.50	1.50	4.51	8.13	12.64	24.00	Pass	
VHT80	MCS0	2	199	6945	3.20	1.60	5.48	8.13	13.61	24.00	Pass	
VHT80	MCS0	2	215	7025	3.50	2.50	6.04	8.13	14.17	24.00	Pass	
VHT160	MCS0	2	207	6985	6.20	5.60	8.92	8.13	17.05	24.00	Pass	

FCC Band VIII 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 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	185	6875	-2.10	-2.70	0.62	8.13	8.75	24.00	Pass	
HT20	MCS0	2	185	6875	-1.60	-2.50	0.98	8.13	9.11	24.00	Pass	
HT40	MCS0	2	187	6885	0.70	-0.20	3.28	8.13	11.41	24.00	Pass	
VHT20	MCS0	2	185	6875	-1.60	-2.50	0.98	8.13	9.11	24.00	Pass	
VHT40	MCS0	2	187	6885	0.70	-0.20	3.28	8.13	11.41	24.00	Pass	
VHT80	MCS0	2	183	6865	3.00	2.80	5.91	8.13	14.04	24.00	Pass	
VHT160	MCS0	2	175	6825	5.90	5.30	8.62	8.13	16.75	24.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band VIII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	209	6995			-9.74	8.13	-1.61	-1.00	Pass	
11a	6Mbps	2	229	7095			-9.63	8.13	-1.50	-1.00	Pass	
11a	6Mbps	2	233	7115			-9.28	8.13	-1.15	-1.00	Pass	

FCC Band VIII straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	185	6875			-9.43	8.13	-1.30	-1.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band V MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	002	5935	Full	19.15	19.15	21.20	21.30	
HE20	MCS0	2	001	5955	Full	19.15	19.15	21.25	21.35	
HE20	MCS0	2	045	6175	Full	19.15	19.15	21.05	21.30	
HE20	MCS0	2	093	6415	Full	19.15	19.15	21.25	21.05	
HE40	MCS0	2	003	5965	Full	38.30	38.30	40.05	39.96	
HE40	MCS0	2	043	6165	Full	38.30	38.30	39.87	40.23	
HE40	MCS0	2	091	6405	Full	38.30	38.30	39.96	40.32	
HE80	MCS0	2	007	5985	Full	78.36	80.10	81.76	82.56	
HE80	MCS0	2	039	6145	Full	80.10	78.36	81.76	81.76	
HE80	MCS0	2	087	6385	Full	80.10	80.10	82.08	82.24	
HE160	MCS0	2	015	6025	Full	158.08	158.08	164.80	164.16	
HE160	MCS0	2	047	6185	Full	161.94	161.94	165.76	165.44	
HE160	MCS0	2	079	6345	Full	161.94	161.94	165.76	164.16	

TEST RESULTS DATA
EIRP Power Table

FCC Band V 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	002	5935	Full	-2.10	-1.90	1.01	8.15		9.16	24.00	Pass
HE20	MCS0	2	002	5935	26/0	-12.10	-13.10	-9.56	8.15		-1.41	24.00	Pass
HE20	MCS0	2	002	5935	52/37	-9.30	-9.90	-6.58	8.15		1.57	24.00	Pass
HE20	MCS0	2	002	5935	106/53	-7.30	-8.20	-4.72	8.15		3.43	24.00	Pass
HE20	MCS0	2	002	5935	242/61	-3.20	-3.10	-0.14	8.15		8.01	24.00	Pass
HE20	MCS0	2	001	5955	Full	-2.10	-1.50	1.22	8.15		9.37	24.00	Pass
HE20	MCS0	2	001	5955	26/0	-9.20	-9.50	-6.34	8.15		1.81	24.00	Pass
HE20	MCS0	2	001	5955	52/37	-7.20	-7.10	-4.14	8.15		4.01	24.00	Pass
HE20	MCS0	2	001	5955	106/53	-3.80	-3.50	-0.64	8.15		7.51	24.00	Pass
HE20	MCS0	2	001	5955	242/61	-0.30	0.20	2.97	8.15		11.12	24.00	Pass
HE20	MCS0	2	045	6175	Full	-1.40	-2.50	1.10	8.15		9.25	24.00	Pass
HE20	MCS0	2	045	6175	26/4	-8.10	-10.20	-6.01	8.15		2.14	24.00	Pass
HE20	MCS0	2	045	6175	52/39	-5.90	-7.90	-3.78	8.15		4.37	24.00	Pass
HE20	MCS0	2	045	6175	106/53	-3.10	-4.90	-0.90	8.15		7.25	24.00	Pass
HE20	MCS0	2	045	6175	242/61	0.30	-0.80	2.80	8.15		10.95	24.00	Pass
HE20	MCS0	2	093	6415	Full	-1.60	-3.20	0.68	8.15		8.83	24.00	Pass
HE20	MCS0	2	093	6415	26/8	-10.10	-10.40	-7.24	8.15		0.91	24.00	Pass
HE20	MCS0	2	093	6415	52/40	-7.40	-7.10	-4.24	8.15		3.91	24.00	Pass
HE20	MCS0	2	093	6415	106/54	-4.10	-4.10	-1.09	8.15		7.06	24.00	Pass
HE20	MCS0	2	093	6415	242/61	-0.20	-1.20	2.34	8.15		10.49	24.00	Pass
HE40	MCS0	2	003	5965	Full	0.90	0.20	3.57	8.15		11.72	24.00	Pass
HE40	MCS0	2	003	5965	484/65	3.00	2.20	5.63	8.15		13.78	24.00	Pass
HE40	MCS0	2	043	6165	Full	1.00	0.40	3.72	8.15		11.87	24.00	Pass
HE40	MCS0	2	043	6165	484/65	2.90	1.30	5.18	8.15		13.33	24.00	Pass
HE40	MCS0	2	091	6405	Full	0.50	0.60	3.56	8.15		11.71	24.00	Pass
HE40	MCS0	2	091	6405	484/65	2.90	2.60	5.76	8.15		13.91	24.00	Pass
HE80	MCS0	2	007	5985	Full	3.20	2.70	5.97	8.15		14.12	24.00	Pass
HE80	MCS0	2	007	5985	996/67	5.70	4.90	8.33	8.15		16.48	24.00	Pass
HE80	MCS0	2	039	6145	Full	3.40	1.80	5.68	8.15		13.83	24.00	Pass
HE80	MCS0	2	039	6145	996/67	6.50	4.90	8.78	8.15		16.93	24.00	Pass
HE80	MCS0	2	087	6385	Full	2.90	2.80	5.86	8.15		14.01	24.00	Pass
HE80	MCS0	2	087	6385	996/67	6.30	5.30	8.84	8.15		16.99	24.00	Pass
HE160	MCS0	2	015	6025	Full	6.20	5.10	8.70	8.15		16.85	24.00	Pass
HE160	MCS0	2	015	6025	1992/68	9.20	7.90	11.61	8.15		19.76	24.00	Pass
HE160	MCS0	2	047	6185	Full	6.30	5.20	8.80	8.15		16.95	24.00	Pass
HE160	MCS0	2	047	6185	1992/68	9.10	7.90	11.55	8.15		19.70	24.00	Pass
HE160	MCS0	2	079	6345	Full	6.50	5.30	8.95	8.15		17.10	24.00	Pass
HE160	MCS0	2	079	6345	1992/68	9.20	8.00	11.65	8.15		19.80	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band V MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	002	5935	Full	0.00	0.00			-9.53	8.15	-1.38	-1.00	Pass	
HE20	MCS0	2	002	5935	26/0	0.00	0.00			-12.52	8.15	-4.37	-1.00	Pass	
HE20	MCS0	2	002	5935	52/37	0.00	0.00			-12.12	8.15	-3.97	-1.00	Pass	
HE20	MCS0	2	002	5935	106/53	0.00	0.00			-13.31	8.15	-5.16	-1.00	Pass	
HE20	MCS0	2	002	5935	242/61	0.00	0.00			-12.32	8.15	-4.16	-1.00	Pass	
HE20	MCS0	2	001	5955	Full	0.00	0.00			-9.33	8.15	-1.18	-1.00	Pass	
HE20	MCS0	2	001	5955	26/0	0.00	0.00			-9.24	8.15	-1.09	-1.00	Pass	
HE20	MCS0	2	001	5955	52/37	0.00	0.00			-9.70	8.15	-1.55	-1.00	Pass	
HE20	MCS0	2	001	5955	106/53	0.00	0.00			-9.30	8.15	-1.15	-1.00	Pass	
HE20	MCS0	2	001	5955	242/61	0.00	0.00			-9.34	8.15	-1.19	-1.00	Pass	
HE20	MCS0	2	045	6175	Full	0.00	0.00			-9.23	8.15	-1.07	-1.00	Pass	
HE20	MCS0	2	045	6175	26/4	0.00	0.00			-9.54	8.15	-1.39	-1.00	Pass	
HE20	MCS0	2	045	6175	52/39	0.00	0.00			-9.19	8.15	-1.04	-1.00	Pass	
HE20	MCS0	2	045	6175	106/53	0.00	0.00			-9.42	8.15	-1.27	-1.00	Pass	
HE20	MCS0	2	045	6175	242/61	0.00	0.00			-9.29	8.15	-1.14	-1.00	Pass	
HE20	MCS0	2	093	6415	Full	0.00	0.00			-9.58	8.15	-1.43	-1.00	Pass	
HE20	MCS0	2	093	6415	26/8	0.00	0.00			-9.54	8.15	-1.39	-1.00	Pass	
HE20	MCS0	2	093	6415	52/40	0.00	0.00			-9.60	8.15	-1.45	-1.00	Pass	
HE20	MCS0	2	093	6415	106/54	0.00	0.00			-9.54	8.15	-1.38	-1.00	Pass	
HE20	MCS0	2	093	6415	242/61	0.00	0.00			-9.63	8.15	-1.48	-1.00	Pass	
HE40	MCS0	2	003	5965	Full	0.00	0.00			-9.63	8.15	-1.48	-1.00	Pass	
HE40	MCS0	2	003	5965	484/65	0.05	0.07			-9.35	8.15	-1.20	-1.00	Pass	
HE40	MCS0	2	043	6165	Full	0.00	0.00			-9.29	8.15	-1.14	-1.00	Pass	
HE40	MCS0	2	043	6165	484/65	0.05	0.07			-9.77	8.15	-1.62	-1.00	Pass	
HE40	MCS0	2	091	6405	Full	0.00	0.00			-9.38	8.15	-1.23	-1.00	Pass	
HE40	MCS0	2	091	6405	484/65	0.05	0.07			-9.23	8.15	-1.08	-1.00	Pass	
HE80	MCS0	2	007	5985	Full	0.00	0.00			-9.54	8.15	-1.38	-1.00	Pass	
HE80	MCS0	2	007	5985	996/67	0.04	0.06			-9.63	8.15	-1.48	-1.00	Pass	
HE80	MCS0	2	039	6145	Full	0.00	0.00			-9.61	8.15	-1.46	-1.00	Pass	
HE80	MCS0	2	039	6145	996/67	0.04	0.06			-9.43	8.15	-1.28	-1.00	Pass	
HE80	MCS0	2	087	6385	Full	0.00	0.00			-9.36	8.15	-1.21	-1.00	Pass	
HE80	MCS0	2	087	6385	996/67	0.04	0.06			-9.27	8.15	-1.12	-1.00	Pass	
HE160	MCS0	2	015	6025	Full	0.00	0.00			-9.33	8.15	-1.18	-1.00	Pass	
HE160	MCS0	2	015	6025	1992/68	0.04	0.06			-9.34	8.15	-1.19	-1.00	Pass	
HE160	MCS0	2	047	6185	Full	0.00	0.00			-9.52	8.15	-1.37	-1.00	Pass	
HE160	MCS0	2	047	6185	1992/68	0.04	0.06			-9.41	8.15	-1.26	-1.00	Pass	
HE160	MCS0	2	079	6345	Full	0.00	0.00			-9.25	8.15	-1.10	-1.00	Pass	
HE160	MCS0	2	079	6345	1992/68	0.04	0.06			-9.33	8.15	-1.18	-1.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band VI MIMO										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	097	6435	Full	19.15	19.15	21.15	21.10	
HE20	MCS0	2	105	6475	Full	19.15	19.15	21.10	20.95	
HE20	MCS0	2	113	6515	Full	19.15	19.15	20.95	21.60	
HE40	MCS0	2	099	6445	Full	38.30	38.30	40.14	40.14	
HE40	MCS0	2	107	6485	Full	38.30	38.30	40.05	40.14	
HE80	MCS0	2	103	6465	Full	80.10	78.36	82.24	81.44	

Band VI straddle channel MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	
HE40	MCS0	2	115	6525	Full	38.30	38.30	39.87	40.14							
HE80	MCS0	2	119	6545	Full	80.10	78.36	82.08	82.24							
HE160	MCS0	2	111	6505	Full	161.94	158.08	165.12	164.48							

TEST RESULTS DATA
EIRP Power Table

FCC Band VI 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	097	6435	Full	-1.60	-3.10	0.72	8.10		8.83	24.00	Pass
HE20	MCS0	2	097	6435	26/0	-9.20	-10.30	-6.70	8.10		1.40	24.00	Pass
HE20	MCS0	2	097	6435	52/37	-6.60	-6.80	-3.69	8.10		4.41	24.00	Pass
HE20	MCS0	2	097	6435	106/53	-3.50	-3.70	-0.59	8.10		7.51	24.00	Pass
HE20	MCS0	2	097	6435	242/61	0.40	-0.70	2.90	8.10		11.00	24.00	Pass
HE20	MCS0	2	105	6475	Full	-1.80	-2.30	0.97	8.10		9.07	24.00	Pass
HE20	MCS0	2	105	6475	26/4	-9.80	-9.00	-6.37	8.10		1.73	24.00	Pass
HE20	MCS0	2	105	6475	52/39	-6.80	-7.20	-3.99	8.10		4.12	24.00	Pass
HE20	MCS0	2	105	6475	106/54	-3.30	-3.90	-0.58	8.10		7.52	24.00	Pass
HE20	MCS0	2	105	6475	242/61	0.00	-0.40	2.81	8.10		10.92	24.00	Pass
HE20	MCS0	2	113	6515	Full	-1.80	-2.90	0.70	8.10		8.80	24.00	Pass
HE20	MCS0	2	113	6515	26/8	-9.80	-9.70	-6.74	8.10		1.36	24.00	Pass
HE20	MCS0	2	113	6515	52/40	-6.30	-6.90	-3.58	8.10		4.52	24.00	Pass
HE20	MCS0	2	113	6515	106/54	-3.10	-4.30	-0.65	8.10		7.45	24.00	Pass
HE20	MCS0	2	113	6515	242/61	0.00	-1.20	2.45	8.10		10.55	24.00	Pass
HE40	MCS0	2	099	6445	Full	0.50	-0.40	3.08	8.10		11.18	24.00	Pass
HE40	MCS0	2	099	6445	484/65	2.40	2.40	5.41	8.10		13.51	24.00	Pass
HE40	MCS0	2	107	6485	Full	0.00	-0.40	2.81	8.10		10.92	24.00	Pass
HE40	MCS0	2	107	6485	484/65	2.20	3.00	5.63	8.10		13.73	24.00	Pass
HE80	MCS0	2	103	6465	Full	2.20	3.30	5.80	8.10		13.90	24.00	Pass
HE80	MCS0	2	103	6465	996/67	5.70	6.20	8.97	8.10		17.07	24.00	Pass

FCC Band VI 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE40	MCS0	2	115	6525	Full	0.50	0.30	3.41	8.10		11.51	24.00	Pass
HE40	MCS0	2	115	6525	484/65	2.90	3.00	5.96	8.10		14.06	24.00	Pass
HE80	MCS0	2	119	6545	Full	3.10	3.10	6.11	8.10		14.21	24.00	Pass
HE80	MCS0	2	119	6545	996/67	5.10	5.70	8.42	8.10		16.52	24.00	Pass
HE160	MCS0	2	111	6505	Full	5.80	6.20	9.01	8.10		17.12	24.00	Pass
HE160	MCS0	2	111	6505	1992/68	8.30	8.60	11.46	8.10		19.56	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

Band VI MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	097	6435	Full	0.00	0.00			-9.44	8.10	-1.34	-1.00	Pass	
HE20	MCS0	2	097	6435	26/0	0.00	0.00			-9.20	8.10	-1.09	-1.00	Pass	
HE20	MCS0	2	097	6435	52/37	0.00	0.00			-9.20	8.10	-1.10	-1.00	Pass	
HE20	MCS0	2	097	6435	106/53	0.00	0.00			-9.21	8.10	-1.11	-1.00	Pass	
HE20	MCS0	2	097	6435	242/61	0.00	0.00			-9.20	8.10	-1.10	-1.00	Pass	
HE20	MCS0	2	105	6475	Full	0.00	0.00			-9.46	8.10	-1.36	-1.00	Pass	
HE20	MCS0	2	105	6475	26/4	0.00	0.00			-10.01	8.10	-1.91	-1.00	Pass	
HE20	MCS0	2	105	6475	52/39	0.00	0.00			-9.37	8.10	-1.27	-1.00	Pass	
HE20	MCS0	2	105	6475	106/54	0.00	0.00			-9.22	8.10	-1.12	-1.00	Pass	
HE20	MCS0	2	105	6475	242/61	0.00	0.00			-9.47	8.10	-1.37	-1.00	Pass	
HE20	MCS0	2	113	6515	Full	0.00	0.00			-9.62	8.10	-1.52	-1.00	Pass	
HE20	MCS0	2	113	6515	26/8	0.00	0.00			-9.30	8.10	-1.20	-1.00	Pass	
HE20	MCS0	2	113	6515	52/40	0.00	0.00			-9.29	8.10	-1.19	-1.00	Pass	
HE20	MCS0	2	113	6515	106/54	0.00	0.00			-9.21	8.10	-1.11	-1.00	Pass	
HE20	MCS0	2	113	6515	242/61	0.00	0.00			-9.41	8.10	-1.31	-1.00	Pass	
HE40	MCS0	2	099	6445	Full	0.00	0.00			-9.59	8.10	-1.49	-1.00	Pass	
HE40	MCS0	2	099	6445	484/65	0.05	0.07			-9.36	8.10	-1.26	-1.00	Pass	
HE40	MCS0	2	107	6485	Full	0.00	0.00			-10.07	8.10	-1.97	-1.00	Pass	
HE40	MCS0	2	107	6485	484/65	0.05	0.07			-9.52	8.10	-1.42	-1.00	Pass	
HE80	MCS0	2	103	6465	Full	0.00	0.00			-9.36	8.10	-1.26	-1.00	Pass	
HE80	MCS0	2	103	6465	996/67	0.04	0.06			-9.19	8.10	-1.09	-1.00	Pass	

FCC Band VI 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)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE40	MCS0	2	115	6525	Full	0.00	0.00			-9.38	8.10	-1.28	-1.00	Pass	
HE40	MCS0	2	115	6525	484/65	0.05	0.07			-9.22	8.10	-1.12	-1.00	Pass	
HE80	MCS0	2	119	6545	Full	0.00	0.00			-9.17	8.10	-1.07	-1.00	Pass	
HE80	MCS0	2	119	6545	996/67	0.04	0.06			-9.54	8.10	-1.44	-1.00	Pass	
HE160	MCS0	2	111	6505	Full	0.00	0.00			-9.27	8.10	-1.17	-1.00	Pass	
HE160	MCS0	2	111	6505	1992/68	0.04	0.06			-9.35	8.10	-1.25	-1.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band VII MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	117	6535	Full	19.15	19.15	21.00	21.30	
HE20	MCS0	2	149	6695	Full	19.15	19.15	20.95	21.30	
HE20	MCS0	2	181	6855	Full	19.15	19.15	20.90	20.75	
HE40	MCS0	2	123	6565	Full	38.30	38.30	39.96	40.32	
HE40	MCS0	2	147	6685	Full	38.30	38.30	40.05	40.23	
HE40	MCS0	2	179	6845	Full	38.30	38.30	39.96	40.05	
HE80	MCS0	2	135	6625	Full	80.10	78.36	82.88	81.92	
HE80	MCS0	2	151	6705	Full	80.10	78.36	82.08	81.60	
HE80	MCS0	2	167	6785	Full	80.10	78.36	81.92	81.92	
HE160	MCS0	2	143	6665	Full	161.94	158.08	165.76	165.12	

TEST RESULTS DATA
EIRP Power Table

FCC Band VII 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	117	6535	Full	-1.80	-2.10	1.06	8.17		9.23	24.00	Pass
HE20	MCS0	2	117	6535	26/0	-9.00	-10.50	-6.68	8.17		1.50	24.00	Pass
HE20	MCS0	2	117	6535	52/37	-6.40	-7.70	-3.99	8.17		4.18	24.00	Pass
HE20	MCS0	2	117	6535	106/53	-3.40	-4.40	-0.86	8.17		7.31	24.00	Pass
HE20	MCS0	2	117	6535	242/61	0.00	0.00	3.01	8.17		11.18	24.00	Pass
HE20	MCS0	2	149	6695	Full	-1.90	-2.20	0.96	8.17		9.13	24.00	Pass
HE20	MCS0	2	149	6695	26/4	-9.40	-8.70	-6.03	8.17		2.14	24.00	Pass
HE20	MCS0	2	149	6695	52/38	-6.80	-6.70	-3.74	8.17		4.43	24.00	Pass
HE20	MCS0	2	149	6695	106/53	-4.10	-3.80	-0.94	8.17		7.23	24.00	Pass
HE20	MCS0	2	149	6695	242/61	-0.40	-0.50	2.56	8.17		10.73	24.00	Pass
HE20	MCS0	2	181	6855	Full	-1.80	-2.10	1.06	8.17		9.23	24.00	Pass
HE20	MCS0	2	181	6855	26/8	-10.20	-10.00	-7.09	8.17		1.08	24.00	Pass
HE20	MCS0	2	181	6855	52/40	-7.00	-7.30	-4.14	8.17		4.03	24.00	Pass
HE20	MCS0	2	181	6855	106/54	-4.00	-4.00	-0.99	8.17		7.18	24.00	Pass
HE20	MCS0	2	181	6565	242/61	-0.20	-0.50	2.66	8.17		10.83	24.00	Pass
HE40	MCS0	2	123	6565	Full	0.20	0.20	3.21	8.17		11.38	24.00	Pass
HE40	MCS0	2	123	6565	484/65	2.20	2.10	5.16	8.17		13.33	24.00	Pass
HE40	MCS0	2	147	6685	Full	1.10	-0.30	3.47	8.17		11.64	24.00	Pass
HE40	MCS0	2	147	6685	484/65	3.00	1.80	5.45	8.17		13.62	24.00	Pass
HE40	MCS0	2	179	6845	Full	0.70	0.40	3.56	8.17		11.73	24.00	Pass
HE40	MCS0	2	179	6845	484/65	2.80	2.70	5.76	8.17		13.93	24.00	Pass
HE80	MCS0	2	135	6625	Full	3.50	2.30	5.95	8.17		14.12	24.00	Pass
HE80	MCS0	2	135	6625	996/67	5.30	4.70	8.02	8.17		16.19	24.00	Pass
HE80	MCS0	2	151	6705	Full	3.20	2.30	5.78	8.17		13.95	24.00	Pass
HE80	MCS0	2	151	6705	996/67	5.30	5.10	8.21	8.17		16.38	24.00	Pass
HE80	MCS0	2	167	6785	Full	3.40	2.40	5.94	8.17		14.11	24.00	Pass
HE80	MCS0	2	167	6785	996/67	5.50	5.60	8.56	8.17		16.73	24.00	Pass
HE160	MCS0	2	143	6665	Full	5.70	5.10	8.42	8.17		16.59	24.00	Pass
HE160	MCS0	2	143	6665	1992/68	8.00	7.20	10.63	8.17		18.80	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band VII MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	117	6535	Full	0.00	0.00			-9.21	8.17	-1.04	-1.00	Pass	
HE20	MCS0	2	117	6535	26/0	0.00	0.00			-9.47	8.17	-1.30	-1.00	Pass	
HE20	MCS0	2	117	6535	52/37	0.00	0.00			-9.63	8.17	-1.46	-1.00	Pass	
HE20	MCS0	2	117	6535	106/53	0.00	0.00			-9.65	8.17	-1.48	-1.00	Pass	
HE20	MCS0	2	117	6535	242/61	0.00	0.00			-9.33	8.17	-1.15	-1.00	Pass	
HE20	MCS0	2	149	6695	Full	0.00	0.00			-9.42	8.17	-1.25	-1.00	Pass	
HE20	MCS0	2	149	6695	26/4	0.00	0.00			-9.52	8.17	-1.35	-1.00	Pass	
HE20	MCS0	2	149	6695	52/38	0.00	0.00			-9.22	8.17	-1.05	-1.00	Pass	
HE20	MCS0	2	149	6695	106/53	0.00	0.00			-9.52	8.17	-1.35	-1.00	Pass	
HE20	MCS0	2	149	6695	242/61	0.00	0.00			-9.47	8.17	-1.30	-1.00	Pass	
HE20	MCS0	2	181	6855	Full	0.00	0.00			-9.41	8.17	-1.24	-1.00	Pass	
HE20	MCS0	2	181	6855	26/8	0.00	0.00			-9.53	8.17	-1.36	-1.00	Pass	
HE20	MCS0	2	181	6855	52/40	0.00	0.00			-9.66	8.17	-1.49	-1.00	Pass	
HE20	MCS0	2	181	6855	106/54	0.00	0.00			-9.44	8.17	-1.27	-1.00	Pass	
HE20	MCS0	2	181	6565	242/61	0.00	0.00			-9.64	8.17	-1.47	-1.00	Pass	
HE40	MCS0	2	123	6565	Full	0.00	0.00			-9.61	8.17	-1.44	-1.00	Pass	
HE40	MCS0	2	123	6565	484/65	0.05	0.07			-9.81	8.17	-1.64	-1.00	Pass	
HE40	MCS0	2	147	6685	Full	0.00	0.00			-9.33	8.17	-1.16	-1.00	Pass	
HE40	MCS0	2	147	6685	484/65	0.05	0.07			-9.30	8.17	-1.13	-1.00	Pass	
HE40	MCS0	2	179	6845	Full	0.00	0.00			-9.29	8.17	-1.12	-1.00	Pass	
HE40	MCS0	2	179	6845	484/65	0.05	0.07			-9.48	8.17	-1.31	-1.00	Pass	
HE80	MCS0	2	135	6625	Full	0.00	0.00			-9.22	8.17	-1.05	-1.00	Pass	
HE80	MCS0	2	135	6625	996/67	0.04	0.06			-9.53	8.17	-1.36	-1.00	Pass	
HE80	MCS0	2	151	6705	Full	0.00	0.00			-9.45	8.17	-1.28	-1.00	Pass	
HE80	MCS0	2	151	6705	996/67	0.04	0.06			-9.37	8.17	-1.20	-1.00	Pass	
HE80	MCS0	2	167	6785	Full	0.00	0.00			-9.18	8.17	-1.01	-1.00	Pass	
HE80	MCS0	2	167	6785	996/67	0.04	0.06			-9.38	8.17	-1.21	-1.00	Pass	
HE160	MCS0	2	143	6665	Full	0.00	0.00			-9.63	8.17	-1.46	-1.00	Pass	
HE160	MCS0	2	143	6665	1992/68	0.04	0.06			-9.44	8.17	-1.27	-1.00	Pass	

TEST RESULTS DATA
26dB EBW and 99% OBW

Band VIII MIMO										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	209	6995	Full	19.15	19.15	20.70	20.80	
HE20	MCS0	2	229	7095	Full	19.15	19.15	20.90	20.95	
HE20	MCS0	2	233	7115	Full	19.15	19.15	21.15	21.05	
HE40	MCS0	2	203	6965	Full	38.30	38.30	39.78	39.96	
HE40	MCS0	2	227	7085	Full	38.30	38.30	39.96	40.14	
HE80	MCS0	2	199	6945	Full	80.10	78.36	81.28	81.44	
HE80	MCS0	2	215	7025	Full	78.36	78.36	81.60	81.76	
HE160	MCS0	2	207	6985	Full	158.08	161.94	165.12	164.16	

Band VIII straddle channel MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	185	6875	Full	19.15	19.15	20.80	21.30							
HE40	MCS0	2	187	6885	Full	38.30	38.30	39.96	40.14							
HE80	MCS0	2	183	6865	Full	80.10	78.36	81.92	81.76							
HE160	MCS0	2	175	6825	Full	161.94	161.94	165.44	165.12							

TEST RESULTS DATA
EIRP Power Table

Band VIII 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	209	6995	Full	-1.40	-2.30	1.18	8.13		9.31	24.00	Pass
HE20	MCS0	2	209	6995	26/0	-9.10	-10.50	-6.73	8.13		1.40	24.00	Pass
HE20	MCS0	2	209	6995	52/37	-5.90	-8.60	-4.03	8.13		4.10	24.00	Pass
HE20	MCS0	2	209	6995	106/53	-2.90	-5.30	-0.93	8.13		7.20	24.00	Pass
HE20	MCS0	2	209	6995	242/61	0.30	-0.50	2.93	8.13		11.06	24.00	Pass
HE20	MCS0	2	229	7095	Full	-0.70	0.50	2.95	8.13		11.08	24.00	Pass
HE20	MCS0	2	229	7095	26/4	-7.20	-8.10	-4.62	8.13		3.51	24.00	Pass
HE20	MCS0	2	229	7095	52/38	-5.00	-6.30	-2.59	8.13		5.54	24.00	Pass
HE20	MCS0	2	229	7095	106/53	-2.20	-3.60	0.17	8.13		8.30	24.00	Pass
HE20	MCS0	2	229	7095	242/61	0.90	1.70	4.33	8.13		12.46	24.00	Pass
HE20	MCS0	2	233	7115	Full	-2.20	0.30	2.24	8.13		10.37	24.00	Pass
HE20	MCS0	2	233	7115	26/8	-12.20	-9.90	-7.89	8.13		0.24	24.00	Pass
HE20	MCS0	2	233	7115	52/40	-9.10	-8.20	-5.62	8.13		2.51	24.00	Pass
HE20	MCS0	2	233	7115	106/54	-8.10	-6.00	-3.91	8.13		4.22	24.00	Pass
HE20	MCS0	2	233	7115	242/61	-4.20	-3.70	-0.93	8.13		7.20	24.00	Pass
HE40	MCS0	2	203	6965	Full	0.90	0.60	3.76	8.13		11.89	24.00	Pass
HE40	MCS0	2	203	6965	484/65	3.10	2.10	5.64	8.13		13.77	24.00	Pass
HE40	MCS0	2	227	7085	Full	1.70	1.80	4.76	8.13		12.89	24.00	Pass
HE40	MCS0	2	227	7085	484/65	3.90	3.60	6.76	8.13		14.89	24.00	Pass
HE80	MCS0	2	199	6945	Full	3.30	2.00	5.71	8.13		13.84	24.00	Pass
HE80	MCS0	2	199	6945	996/67	6.50	5.10	8.87	8.13		17.00	24.00	Pass
HE80	MCS0	2	215	7025	Full	3.60	3.10	6.37	8.13		14.50	24.00	Pass
HE80	MCS0	2	215	7025	996/67	5.70	5.20	8.47	8.13		16.60	24.00	Pass
HE160	MCS0	2	207	6985	Full	6.00	6.00	9.01	8.13		17.14	24.00	Pass
HE160	MCS0	2	207	6985	1992/68	8.50	8.10	11.31	8.13		19.45	24.00	Pass

FCC Band VIII 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	185	6875	Full	-1.70	-2.30	1.02	8.13		9.15	24.00	Pass
HE20	MCS0	2	185	6875	26/8	-9.50	-10.00	-6.73	8.13		1.40	24.00	Pass
HE20	MCS0	2	185	6875	52/40	-6.40	-7.20	-3.77	8.13		4.36	24.00	Pass
HE20	MCS0	2	185	6875	106/54	-3.20	-4.20	-0.66	8.13		7.47	24.00	Pass
HE20	MCS0	2	185	6875	242/61	0.00	-0.60	2.72	8.13		10.85	24.00	Pass
HE40	MCS0	2	187	6885	Full	0.80	0.20	3.52	8.13		11.65	24.00	Pass
HE40	MCS0	2	187	6885	484/65	3.00	2.70	5.86	8.13		13.99	24.00	Pass
HE80	MCS0	2	183	6865	Full	3.30	2.80	6.07	8.13		14.20	24.00	Pass
HE80	MCS0	2	183	6865	996/67	5.50	5.40	8.46	8.13		16.59	24.00	Pass
HE160	MCS0	2	175	6825	Full	6.20	5.80	9.01	8.13		17.15	24.00	Pass
HE160	MCS0	2	175	6825	1992/68	8.40	8.10	11.26	8.13		19.39	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band VIII MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 1	Ant 2	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	209	6995	Full	0.00	0.00			-9.17	8.13	-1.04	-1.00	Pass	
HE20	MCS0	2	209	6995	26/0	0.00	0.00			-9.19	8.13	-1.06	-1.00	Pass	
HE20	MCS0	2	209	6995	52/37	0.00	0.00			-9.60	8.13	-1.47	-1.00	Pass	
HE20	MCS0	2	209	6995	106/53	0.00	0.00			-9.56	8.13	-1.42	-1.00	Pass	
HE20	MCS0	2	209	6995	242/61	0.00	0.00			-9.28	8.13	-1.15	-1.00	Pass	
HE20	MCS0	2	229	7095	Full	0.00	0.00			-9.25	8.13	-1.12	-1.00	Pass	
HE20	MCS0	2	229	7095	26/4	0.00	0.00			-9.26	8.13	-1.13	-1.00	Pass	
HE20	MCS0	2	229	7095	52/38	0.00	0.00			-9.59	8.13	-1.46	-1.00	Pass	
HE20	MCS0	2	229	7095	106/53	0.00	0.00			-9.83	8.13	-1.70	-1.00	Pass	
HE20	MCS0	2	229	7095	242/61	0.00	0.00			-9.32	8.13	-1.19	-1.00	Pass	
HE20	MCS0	2	233	7115	Full	0.00	0.00			-9.64	8.13	-1.51	-1.00	Pass	
HE20	MCS0	2	233	7115	26/8	0.00	0.00			-10.97	8.13	-2.84	-1.00	Pass	
HE20	MCS0	2	233	7115	52/40	0.00	0.00			-12.06	8.13	-3.93	-1.00	Pass	
HE20	MCS0	2	233	7115	106/54	0.00	0.00			-13.52	8.13	-5.39	-1.00	Pass	
HE20	MCS0	2	233	7115	242/61	0.00	0.00			-14.29	8.13	-6.16	-1.00	Pass	
HE40	MCS0	2	203	6965	Full	0.00	0.00			-9.16	8.13	-1.03	-1.00	Pass	
HE40	MCS0	2	203	6965	484/65	0.05	0.07			-9.58	8.13	-1.45	-1.00	Pass	
HE40	MCS0	2	227	7085	Full	0.00	0.00			-9.60	8.13	-1.47	-1.00	Pass	
HE40	MCS0	2	227	7085	484/65	0.05	0.07			-9.37	8.13	-1.23	-1.00	Pass	
HE80	MCS0	2	199	6945	Full	0.00	0.00			-9.62	8.13	-1.49	-1.00	Pass	
HE80	MCS0	2	199	6945	996/67	0.04	0.06			-9.43	8.13	-1.30	-1.00	Pass	
HE80	MCS0	2	215	7025	Full	0.00	0.00			-9.45	8.13	-1.32	-1.00	Pass	
HE80	MCS0	2	215	7025	996/67	0.04	0.06			-9.48	8.13	-1.35	-1.00	Pass	
HE160	MCS0	2	207	6985	Full	0.00	0.00			-9.43	8.13	-1.30	-1.00	Pass	
HE160	MCS0	2	207	6985	1992/68	0.04	0.06			-9.21	8.13	-1.08	-1.00	Pass	

FCC Band VII 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)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	185	6875	Full	0.00	0.00			-9.30	8.13	-1.16	-1.00	Pass	
HE20	MCS0	2	185	6875	26/8	0.00	0.00			-9.18	8.13	-1.04	-1.00	Pass	
HE20	MCS0	2	185	6875	52/40	0.00	0.00			-9.29	8.13	-1.16	-1.00	Pass	
HE20	MCS0	2	185	6875	106/54	0.00	0.00			-9.34	8.13	-1.21	-1.00	Pass	
HE20	MCS0	2	185	6875	242/61	0.00	0.00			-9.30	8.13	-1.17	-1.00	Pass	
HE40	MCS0	2	187	6885	Full	0.00	0.00			-9.56	8.13	-1.43	-1.00	Pass	
HE40	MCS0	2	187	6885	484/65	0.05	0.07			-9.26	8.13	-1.13	-1.00	Pass	
HE80	MCS0	2	183	6865	Full	0.00	0.00			-9.31	8.13	-1.18	-1.00	Pass	
HE80	MCS0	2	183	6865	996/67	0.04	0.06			-9.58	8.13	-1.45	-1.00	Pass	
HE160	MCS0	2	175	6825	Full	0.00	0.00			-9.51	8.13	-1.38	-1.00	Pass	
HE160	MCS0	2	175	6825	1992/68	0.04	0.06			-9.26	8.13	-1.13	-1.00	Pass	

<Standard Client>

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2022/03/17~2022/08/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band V MIMO									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	002	5935	16.76	16.56	19.05	19.05	
11a	6Mbps	2	001	5955	16.76	16.56	18.95	19.05	
11a	6Mbps	2	045	6175	16.76	16.56	19.00	19.15	
11a	6Mbps	2	093	6415	16.76	16.56	19.05	19.05	

TEST RESULTS DATA
EIRP Power Table

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	002	5935	5.20	4.80	8.01	8.15		16.17	30.00	Pass
11a	6Mbps	2	001	5955	12.80	12.80	15.81	8.15		23.96	30.00	Pass
11a	6Mbps	2	045	6175	13.20	11.80	15.57	8.15		23.72	30.00	Pass
11a	6Mbps	2	093	6415	12.40	12.60	15.51	8.15		23.66	30.00	Pass
HT20	MCS0	2	002	5935	-2.20	-2.30	0.76	8.15		8.91	30.00	Pass
HT20	MCS0	2	001	5955	13.00	12.50	15.77	8.15		23.92	30.00	Pass
HT20	MCS0	2	045	6175	12.90	11.50	15.27	8.15		23.42	30.00	Pass
HT20	MCS0	2	093	6415	12.20	12.40	15.31	8.15		23.46	30.00	Pass
HT40	MCS0	2	003	5965	12.70	12.30	15.51	8.15		23.67	30.00	Pass
HT40	MCS0	2	043	6165	13.20	11.60	15.48	8.15		23.63	30.00	Pass
HT40	MCS0	2	091	6405	12.30	12.50	15.41	8.15		23.56	30.00	Pass
VHT20	MCS0	2	002	5935	-2.20	-2.30	0.76	8.15		8.91	30.00	Pass
VHT20	MCS0	2	001	5955	13.00	12.50	15.77	8.15		23.92	30.00	Pass
VHT20	MCS0	2	045	6175	12.90	11.50	15.27	8.15		23.42	30.00	Pass
VHT20	MCS0	2	093	6415	12.20	12.40	15.31	8.15		23.46	30.00	Pass
VHT40	MCS0	2	003	5965	12.70	12.30	15.51	8.15		23.67	30.00	Pass
VHT40	MCS0	2	043	6165	13.20	11.60	15.48	8.15		23.63	30.00	Pass
VHT40	MCS0	2	091	6405	12.30	12.50	15.41	8.15		23.56	30.00	Pass
VHT80	MCS0	2	007	5985	12.90	12.10	15.53	8.15		23.68	30.00	Pass
VHT80	MCS0	2	039	6145	13.30	11.60	15.54	8.15		23.69	30.00	Pass
VHT80	MCS0	2	087	6385	13.00	12.00	15.54	8.15		23.69	30.00	Pass
VHT160	MCS0	2	015	6025	13.00	11.70	15.41	8.15		23.56	30.00	Pass
VHT160	MCS0	2	047	6185	13.00	11.50	15.32	8.15		23.48	30.00	Pass
VHT160	MCS0	2	079	6345	12.90	11.90	15.44	8.15		23.59	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band V MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	002	5935			-2.21	8.15	5.94	17.00	Pass	
11a	6Mbps	2	001	5955			5.98	8.15	14.13	17.00	Pass	
11a	6Mbps	2	045	6175			5.88	8.15	14.03	17.00	Pass	
11a	6Mbps	2	093	6415			5.75	8.15	13.90	17.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band VII MIMO									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	117	6535	16.76	16.56	19.00	18.90	
11a	6Mbps	2	149	6695	16.76	16.76	18.75	18.95	
11a	6Mbps	2	181	6855	16.76	16.76	18.85	18.90	

TEST RESULTS DATA
EIRP Power Table

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4			
11a	6Mbps	2	117	6535	12.30	12.60	15.46	8.17		23.63	30.00	Pass
11a	6Mbps	2	149	6695	12.50	12.60	15.56	8.17		23.73	30.00	Pass
11a	6Mbps	2	181	6855	12.50	12.80	15.66	8.17		23.83	30.00	Pass
HT20	MCS0	2	117	6535	12.50	12.60	15.56	8.17		23.73	30.00	Pass
HT20	MCS0	2	149	6695	12.70	12.60	15.66	8.17		23.83	30.00	Pass
HT20	MCS0	2	181	6855	12.50	12.70	15.61	8.17		23.78	30.00	Pass
HT40	MCS0	2	123	6565	12.60	12.30	15.46	8.17		23.63	30.00	Pass
HT40	MCS0	2	147	6685	12.80	12.70	15.76	8.17		23.93	30.00	Pass
HT40	MCS0	2	179	6845	12.60	12.60	15.61	8.17		23.78	30.00	Pass
VHT20	MCS0	2	117	6535	12.50	12.60	15.56	8.17		23.73	30.00	Pass
VHT20	MCS0	2	149	6695	12.70	12.60	15.66	8.17		23.83	30.00	Pass
VHT20	MCS0	2	181	6855	12.50	12.70	15.61	8.17		23.78	30.00	Pass
VHT40	MCS0	2	123	6565	12.60	12.30	15.46	8.17		23.63	30.00	Pass
VHT40	MCS0	2	147	6685	12.80	12.70	15.76	8.17		23.93	30.00	Pass
VHT40	MCS0	2	179	6845	12.60	12.60	15.61	8.17		23.78	30.00	Pass
VHT80	MCS0	2	135	6625	12.80	11.90	15.38	8.17		23.55	30.00	Pass
VHT80	MCS0	2	151	6705	12.20	11.90	15.06	8.17		23.23	30.00	Pass
VHT80	MCS0	2	167	6785	12.30	12.20	15.26	8.17		23.43	30.00	Pass
VHT160	MCS0	2	143	6665	13.20	12.10	15.70	8.17		23.87	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band VII MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	117	6535			5.87	8.17		14.04	17.00	Pass
11a	6Mbps	2	149	6695			5.91	8.17		14.08	17.00	Pass
11a	6Mbps	2	181	6855			5.89	8.17		14.06	17.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band V MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	002	5935	Full	19.15	19.15	21.15	21.15	
HE20	MCS0	2	001	5955	Full	18.95	19.15	21.05	21.15	
HE20	MCS0	2	045	6175	Full	19.15	19.15	21.30	21.00	
HE20	MCS0	2	093	6415	Full	19.15	19.15	21.15	25.60	
HE40	MCS0	2	003	5965	Full	38.30	38.30	40.14	40.32	
HE40	MCS0	2	043	6165	Full	38.30	38.30	39.69	40.32	
HE40	MCS0	2	091	6405	Full	38.30	38.30	40.14	40.41	
HE80	MCS0	2	007	5985	Full	78.36	80.10	81.76	82.40	
HE80	MCS0	2	039	6145	Full	80.10	80.10	81.76	81.60	
HE80	MCS0	2	087	6385	Full	80.10	80.10	81.76	81.76	
HE160	MCS0	2	015	6025	Full	161.94	161.94	164.80	165.12	
HE160	MCS0	2	047	6185	Full	161.94	161.94	165.12	164.80	
HE160	MCS0	2	079	6345	Full	161.94	161.94	165.44	165.12	

TEST RESULTS DATA
EIRP Power Table

FCC Band V 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	002	5935	Full	-2.10	-1.90	1.01	8.15		9.16	30.00	Pass
HE20	MCS0	2	002	5935	26/0	-12.10	-13.10	-9.56	8.15		-1.41	30.00	Pass
HE20	MCS0	2	002	5935	52/37	-9.30	-9.90	-6.58	8.15		1.57	30.00	Pass
HE20	MCS0	2	002	5935	106/53	-7.30	-8.20	-4.72	8.15		3.43	30.00	Pass
HE20	MCS0	2	002	5935	242/61	-3.20	-3.10	-0.14	8.15		8.01	30.00	Pass
HE20	MCS0	2	001	5955	Full	12.70	12.90	15.81	8.15		23.96	30.00	Pass
HE20	MCS0	2	001	5955	26/0	9.10	8.60	11.87	8.15		20.02	30.00	Pass
HE20	MCS0	2	001	5955	52/37	11.40	11.50	14.46	8.15		22.61	30.00	Pass
HE20	MCS0	2	001	5955	106/53	12.40	12.50	15.46	8.15		23.61	30.00	Pass
HE20	MCS0	2	001	5955	242/61	12.60	12.60	15.61	8.15		23.76	30.00	Pass
HE20	MCS0	2	045	6175	Full	13.00	11.80	15.45	8.15		23.60	30.00	Pass
HE20	MCS0	2	045	6175	26/4	9.70	8.90	12.33	8.15		20.48	30.00	Pass
HE20	MCS0	2	045	6175	52/39	12.30	10.60	14.54	8.15		22.69	30.00	Pass
HE20	MCS0	2	045	6175	106/53	13.00	11.60	15.37	8.15		23.52	30.00	Pass
HE20	MCS0	2	045	6175	242/61	13.30	12.00	15.71	8.15		23.86	30.00	Pass
HE20	MCS0	2	093	6415	Full	12.80	12.60	15.71	8.15		23.86	30.00	Pass
HE20	MCS0	2	093	6415	26/8	8.10	8.90	11.53	8.15		19.68	30.00	Pass
HE20	MCS0	2	093	6415	52/40	11.20	11.50	14.36	8.15		22.51	30.00	Pass
HE20	MCS0	2	093	6415	106/54	12.80	12.80	15.81	8.15		23.96	30.00	Pass
HE20	MCS0	2	093	6415	242/61	12.80	12.80	15.81	8.15		23.96	30.00	Pass
HE40	MCS0	2	003	5965	Full	12.80	12.40	15.61	8.15		23.77	30.00	Pass
HE40	MCS0	2	003	5965	484/65	12.70	12.50	15.61	8.15		23.76	30.00	Pass
HE40	MCS0	2	043	6165	Full	13.20	11.70	15.52	8.15		23.68	30.00	Pass
HE40	MCS0	2	043	6165	484/65	13.10	11.80	15.51	8.15		23.66	30.00	Pass
HE40	MCS0	2	091	6405	Full	12.50	12.50	15.51	8.15		23.66	30.00	Pass
HE40	MCS0	2	091	6405	484/65	12.70	12.60	15.66	8.15		23.81	30.00	Pass
HE80	MCS0	2	007	5985	Full	13.00	12.20	15.63	8.15		23.78	30.00	Pass
HE80	MCS0	2	007	5985	996/67	12.40	11.80	15.12	8.15		23.27	30.00	Pass
HE80	MCS0	2	039	6145	Full	13.50	11.80	15.74	8.15		23.89	30.00	Pass
HE80	MCS0	2	039	6145	996/67	13.40	11.60	15.60	8.15		23.75	30.00	Pass
HE80	MCS0	2	087	6385	Full	13.10	12.00	15.60	8.15		23.75	30.00	Pass
HE80	MCS0	2	087	6385	996/67	13.10	12.20	15.68	8.15		23.83	30.00	Pass
HE160	MCS0	2	015	6025	Full	13.00	11.80	15.45	8.15		23.60	30.00	Pass
HE160	MCS0	2	015	6025	1992/68	13.10	12.00	15.60	8.15		23.75	30.00	Pass
HE160	MCS0	2	047	6185	Full	13.10	11.50	15.38	8.15		23.53	30.00	Pass
HE160	MCS0	2	047	6185	1992/68	13.10	11.70	15.47	8.15		23.62	30.00	Pass
HE160	MCS0	2	079	6345	Full	13.00	11.90	15.50	8.15		23.65	30.00	Pass
HE160	MCS0	2	079	6345	1992/68	13.10	12.00	15.60	8.15		23.75	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band V MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	002	5935	Full	0.00	0.00			-9.53	8.15	-1.38	17.00	Pass	
HE20	MCS0	2	002	5935	26/0	0.00	0.00			-12.52	8.15	-4.37	17.00	Pass	
HE20	MCS0	2	002	5935	52/37	0.00	0.00			-12.12	8.15	-3.97	17.00	Pass	
HE20	MCS0	2	002	5935	106/53	0.00	0.00			-13.31	8.15	-5.16	17.00	Pass	
HE20	MCS0	2	002	5935	242/61	0.00	0.00			-12.32	8.15	-4.16	17.00	Pass	
HE20	MCS0	2	001	5955	Full	0.00	0.00			5.23	8.15	13.38	17.00	Pass	
HE20	MCS0	2	001	5955	26/0	0.00	0.00			8.76	8.15	16.91	17.00	Pass	
HE20	MCS0	2	001	5955	52/37	0.00	0.00			8.44	8.15	16.59	17.00	Pass	
HE20	MCS0	2	001	5955	106/53	0.00	0.00			6.70	8.15	14.85	17.00	Pass	
HE20	MCS0	2	001	5955	242/61	0.00	0.00			3.54	8.15	11.69	17.00	Pass	
HE20	MCS0	2	045	6175	Full	0.00	0.00			5.06	8.15	13.21	17.00	Pass	
HE20	MCS0	2	045	6175	26/4	0.00	0.00			8.46	8.15	16.61	17.00	Pass	
HE20	MCS0	2	045	6175	52/39	0.00	0.00			8.80	8.15	16.95	17.00	Pass	
HE20	MCS0	2	045	6175	106/53	0.00	0.00			6.87	8.15	15.02	17.00	Pass	
HE20	MCS0	2	045	6175	242/61	0.00	0.00			3.74	8.15	11.89	17.00	Pass	
HE20	MCS0	2	093	6415	Full	0.00	0.00			4.99	8.15	13.14	17.00	Pass	
HE20	MCS0	2	093	6415	26/8	0.00	0.00			8.81	8.15	16.96	17.00	Pass	
HE20	MCS0	2	093	6415	52/40	0.00	0.00			8.65	8.15	16.80	17.00	Pass	
HE20	MCS0	2	093	6415	106/54	0.00	0.00			7.13	8.15	15.28	17.00	Pass	
HE20	MCS0	2	093	6415	242/61	0.00	0.00			3.64	8.15	11.79	17.00	Pass	
HE40	MCS0	2	003	5965	Full	0.00	0.00			2.34	8.15	10.49	17.00	Pass	
HE40	MCS0	2	003	5965	484/65	0.05	0.07			0.72	8.15	8.87	17.00	Pass	
HE40	MCS0	2	043	6165	Full	0.00	0.00			2.44	8.15	10.59	17.00	Pass	
HE40	MCS0	2	043	6165	484/65	0.05	0.07			0.67	8.15	8.82	17.00	Pass	
HE40	MCS0	2	091	6405	Full	0.00	0.00			2.25	8.15	10.40	17.00	Pass	
HE40	MCS0	2	091	6405	484/65	0.05	0.07			0.52	8.15	8.67	17.00	Pass	
HE80	MCS0	2	007	5985	Full	0.00	0.00			-0.05	8.15	8.10	17.00	Pass	
HE80	MCS0	2	007	5985	996/67	0.04	0.06			-2.63	8.15	5.52	17.00	Pass	
HE80	MCS0	2	039	6145	Full	0.00	0.00			0.18	8.15	8.33	17.00	Pass	
HE80	MCS0	2	039	6145	996/67	0.04	0.06			-2.56	8.15	5.59	17.00	Pass	
HE80	MCS0	2	087	6385	Full	0.00	0.00			0.18	8.15	8.33	17.00	Pass	
HE80	MCS0	2	087	6385	996/67	0.04	0.06			-2.46	8.15	5.69	17.00	Pass	
HE160	MCS0	2	015	6025	Full	0.00	0.00			-2.33	8.15	5.82	17.00	Pass	
HE160	MCS0	2	015	6025	1992/68	0.04	0.06			-5.41	8.15	2.74	17.00	Pass	
HE160	MCS0	2	047	6185	Full	0.00	0.00			-2.64	8.15	5.51	17.00	Pass	
HE160	MCS0	2	047	6185	1992/68	0.04	0.06			-5.81	8.15	2.34	17.00	Pass	
HE160	MCS0	2	079	6345	Full	0.00	0.00			-2.38	8.15	5.77	17.00	Pass	
HE160	MCS0	2	079	6345	1992/68	0.04	0.06			-5.47	8.15	2.68	17.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band VII MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
						Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	117	6535	Full	19.15	19.15	21.10	21.65	
HE20	MCS0	2	149	6695	Full	19.15	19.15	20.90	21.25	
HE20	MCS0	2	181	6855	Full	19.15	19.15	20.90	20.85	
HE40	MCS0	2	123	6565	Full	38.30	38.30	40.41	39.87	
HE40	MCS0	2	147	6685	Full	38.30	38.30	39.78	40.23	
HE40	MCS0	2	179	6845	Full	38.30	38.30	39.78	39.87	
HE80	MCS0	2	135	6625	Full	80.10	80.10	82.08	82.24	
HE80	MCS0	2	151	6705	Full	80.10	78.36	81.44	81.60	
HE80	MCS0	2	167	6785	Full	78.36	78.36	81.44	81.76	
HE160	MCS0	2	143	6665	Full	161.94	161.94	165.76	165.44	

TEST RESULTS DATA
EIRP Power Table

FCC Band VII 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 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	117	6535	Full	12.60	12.60	15.61	8.17		23.78	30.00	Pass
HE20	MCS0	2	117	6535	26/0	8.50	8.40	11.46	8.17		19.63	30.00	Pass
HE20	MCS0	2	117	6535	52/37	11.90	11.50	14.71	8.17		22.89	30.00	Pass
HE20	MCS0	2	117	6535	106/53	13.00	12.50	15.77	8.17		23.94	30.00	Pass
HE20	MCS0	2	117	6535	242/61	12.90	12.70	15.81	8.17		23.98	30.00	Pass
HE20	MCS0	2	149	6695	Full	12.70	12.80	15.76	8.17		23.93	30.00	Pass
HE20	MCS0	2	149	6695	26/4	9.20	9.80	12.52	8.17		20.69	30.00	Pass
HE20	MCS0	2	149	6695	52/38	11.20	11.60	14.41	8.17		22.59	30.00	Pass
HE20	MCS0	2	149	6695	106/53	12.70	12.60	15.66	8.17		23.83	30.00	Pass
HE20	MCS0	2	149	6695	242/61	12.60	12.60	15.61	8.17		23.78	30.00	Pass
HE20	MCS0	2	181	6855	Full	12.40	12.90	15.67	8.17		23.84	30.00	Pass
HE20	MCS0	2	181	6855	26/8	8.70	9.20	11.97	8.17		20.14	30.00	Pass
HE20	MCS0	2	181	6855	52/40	11.50	12.10	14.82	8.17		22.99	30.00	Pass
HE20	MCS0	2	181	6855	106/54	12.60	13.00	15.81	8.17		23.99	30.00	Pass
HE20	MCS0	2	181	6565	242/61	12.60	13.00	15.81	8.17		23.99	30.00	Pass
HE40	MCS0	2	123	6565	Full	12.70	12.30	15.51	8.17		23.69	30.00	Pass
HE40	MCS0	2	123	6565	484/65	13.20	12.30	15.78	8.17		23.95	30.00	Pass
HE40	MCS0	2	147	6685	Full	12.70	12.90	15.81	8.17		23.98	30.00	Pass
HE40	MCS0	2	147	6685	484/65	12.60	12.60	15.61	8.17		23.78	30.00	Pass
HE40	MCS0	2	179	6845	Full	12.60	12.70	15.66	8.17		23.83	30.00	Pass
HE40	MCS0	2	179	6845	484/65	12.60	12.90	15.76	8.17		23.93	30.00	Pass
HE80	MCS0	2	135	6625	Full	12.90	12.10	15.53	8.17		23.70	30.00	Pass
HE80	MCS0	2	135	6625	996/67	13.20	12.20	15.74	8.17		23.91	30.00	Pass
HE80	MCS0	2	151	6705	Full	12.40	12.30	15.36	8.17		23.53	30.00	Pass
HE80	MCS0	2	151	6705	996/67	12.70	12.20	15.47	8.17		23.64	30.00	Pass
HE80	MCS0	2	167	6785	Full	12.70	12.60	15.66	8.17		23.83	30.00	Pass
HE80	MCS0	2	167	6785	996/67	12.60	12.50	15.56	8.17		23.73	30.00	Pass
HE160	MCS0	2	143	6665	Full	13.10	12.40	15.77	8.17		23.94	30.00	Pass
HE160	MCS0	2	143	6665	1992/68	12.80	12.10	15.47	8.17		23.64	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

FCC Band VII MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4			
HE20	MCS0	2	117	6535	Full	0.00	0.00			5.04	8.17	13.21	17.00	Pass	
HE20	MCS0	2	117	6535	26/0	0.00	0.00			8.49	8.17	16.66	17.00	Pass	
HE20	MCS0	2	117	6535	52/37	0.00	0.00			8.68	8.17	16.85	17.00	Pass	
HE20	MCS0	2	117	6535	106/53	0.00	0.00			6.91	8.17	15.08	17.00	Pass	
HE20	MCS0	2	117	6535	242/61	0.00	0.00			3.41	8.17	11.58	17.00	Pass	
HE20	MCS0	2	149	6695	Full	0.00	0.00			5.07	8.17	13.24	17.00	Pass	
HE20	MCS0	2	149	6695	26/4	0.00	0.00			8.59	8.17	16.76	17.00	Pass	
HE20	MCS0	2	149	6695	52/38	0.00	0.00			8.45	8.17	16.62	17.00	Pass	
HE20	MCS0	2	149	6695	106/53	0.00	0.00			6.57	8.17	14.74	17.00	Pass	
HE20	MCS0	2	149	6695	242/61	0.00	0.00			3.12	8.17	11.29	17.00	Pass	
HE20	MCS0	2	181	6855	Full	0.00	0.00			5.03	8.17	13.20	17.00	Pass	
HE20	MCS0	2	181	6855	26/8	0.00	0.00			8.74	8.17	16.91	17.00	Pass	
HE20	MCS0	2	181	6855	52/40	0.00	0.00			8.73	8.17	16.90	17.00	Pass	
HE20	MCS0	2	181	6855	106/54	0.00	0.00			6.50	8.17	14.67	17.00	Pass	
HE20	MCS0	2	181	6565	242/61	0.00	0.00			3.11	8.17	11.28	17.00	Pass	
HE40	MCS0	2	123	6565	Full	0.00	0.00			2.40	8.17	10.57	17.00	Pass	
HE40	MCS0	2	123	6565	484/65	0.05	0.07			0.59	8.17	8.76	17.00	Pass	
HE40	MCS0	2	147	6685	Full	0.00	0.00			2.93	8.17	11.10	17.00	Pass	
HE40	MCS0	2	147	6685	484/65	0.05	0.07			0.44	8.17	8.61	17.00	Pass	
HE40	MCS0	2	179	6845	Full	0.00	0.00			2.45	8.17	10.62	17.00	Pass	
HE40	MCS0	2	179	6845	484/65	0.05	0.07			0.59	8.17	8.76	17.00	Pass	
HE80	MCS0	2	135	6625	Full	0.00	0.00			0.15	8.17	8.32	17.00	Pass	
HE80	MCS0	2	135	6625	996/67	0.04	0.06			-1.93	8.17	6.24	17.00	Pass	
HE80	MCS0	2	151	6705	Full	0.00	0.00			-0.08	8.17	8.09	17.00	Pass	
HE80	MCS0	2	151	6705	996/67	0.04	0.06			-2.26	8.17	5.91	17.00	Pass	
HE80	MCS0	2	167	6785	Full	0.00	0.00			0.38	8.17	8.55	17.00	Pass	
HE80	MCS0	2	167	6785	996/67	0.04	0.06			-2.49	8.17	5.68	17.00	Pass	
HE160	MCS0	2	143	6665	Full	0.00	0.00			-1.85	8.17	6.32	17.00	Pass	
HE160	MCS0	2	143	6665	1992/68	0.04	0.06			-4.86	8.17	3.31	17.00	Pass	



Appendix B. Conducted Spurious Emission

Test Engineer :	Richard Qiu, Jacob Yu, Eric Chang, Ken Wu	Temperature :	22.7~24.8°C
	and Nick Yu	Relative Humidity :	52~59%

<Indoor Client>

UNII-5 (5925-6425 MHz)

WIFI 802.11a (Band Edge)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 002 5935 MHz		5924.96	-16.61	-9.61	-7	-29.22	8.15	1.45	3.01	0	P
		5924.96	-45.46	-18.46	-27	-58.07	8.15	1.45	3.01	0	A
	*	5935	5.09	-	-	-7.53	8.15	1.46	3.01	0	P
	*	5935	-6.55	-	-	-19.17	8.15	1.46	3.01	0	P
802.11a CH 001 5955 MHz		5918.1	-41.22	-34.22	-7	-53.83	8.15	1.45	3.01	0	P
		5923.98	-55.12	-28.12	-27	-67.73	8.15	1.45	3.01	0	A
	*	5955	5.5	-	-	-7.13	8.15	1.47	3.01	0	P
	*	5955	-6.39	-	-	-19.02	8.15	1.47	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-5 (5925-6425 MHz)

WIFI 802.11a (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 001 5955 MHz		7940	-55.43	-48.43	-7	-69.24	8.15	2.65	3.01	0	P
		11910	-63.5	-42.3	-21.2	-77.61	8.15	2.95	3.01	0	P
		17865	-63.55	-42.35	-21.2	-78.74	8.15	4.03	3.01	0	P
		39952	-39.46	-18.26	-21.2	-70.56	8.15	19.94	3.01	0	P
		39952	-50.8	-9.6	-41.2	-81.9	8.15	19.94	3.01	0	A
802.11a CH 045 6175 MHz		8233.3	-57.84	-36.64	-21.2	-71.68	8.15	2.68	3.01	0	P
		12350	-64.59	-43.39	-21.2	-78.68	8.15	2.93	3.01	0	P
		18525	-61.77	-40.57	-21.2	-77.29	8.15	4.36	3.01	0	P
		39960	-40.1	-18.9	-21.2	-71.2	8.15	19.94	3.01	0	P
		39960	-51	-9.8	-41.2	-82.1	8.15	19.94	3.01	0	A
802.11a CH 093 6415 MHz		8553.3	-61.07	-54.07	-7	-74.94	8.15	2.71	3.01	0	P
		12830	-64.42	-57.42	-7	-78.46	8.15	2.88	3.01	0	P
		19245	-62.7	-41.5	-21.2	-78.34	8.15	4.48	3.01	0	P
		39992	-39.12	-17.92	-21.2	-70.28	8.15	20	3.01	0	P
		39992	-50.74	-9.54	-41.2	-81.9	8.15	20	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE20 (Band Edge)**

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 002 5935 MHz		5924.96	-8.88	-1.88	-7	-21.49	8.15	1.45	3.01	0	P
		5924.96	-29.7	-2.7	-27	-42.31	8.15	1.45	3.01	0	A
	*	5935	5.62	-	-	-7	8.15	1.46	3.01	0	P
	*	5935	-6.36	-	-	-18.98	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 242/61 CH 002 5935 MHz		5924.82	-8.71	-1.71	-7	-21.32	8.15	1.45	3.01	0	P
		5924.96	-31.24	-4.24	-27	-43.85	8.15	1.45	3.01	0	A
	*	5935	6.1	-	-	-6.52	8.15	1.46	3.01	0	P
	*	5935	-7	-	-	-19.62	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 106/53 CH 002 5935 MHz		5924.96	-8.78	-1.78	-7	-21.39	8.15	1.45	3.01	0	P
		5924.96	-32.11	-5.11	-27	-44.72	8.15	1.45	3.01	0	A
	*	5935	3.47	-	-	-9.15	8.15	1.46	3.01	0	P
	*	5935	-8.41	-	-	-21.03	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 52/37 CH 002 5935 MHz		5924.96	-8.7	-1.7	-7	-21.31	8.15	1.45	3.01	0	P
		5924.96	-31.48	-4.48	-27	-44.09	8.15	1.45	3.01	0	A
	*	5935	5.68	-	-	-6.94	8.15	1.46	3.01	0	P
	*	5935	-7	-	-	-19.62	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 26/0 CH 002 5935 MHz		5924.96	-9.37	-2.37	-7	-21.98	8.15	1.45	3.01	0	P
		5924.96	-32.3	-5.3	-27	-44.91	8.15	1.45	3.01	0	A
	*	5935	4.3	-	-	-8.32	8.15	1.46	3.01	0	P
	*	5935	-7.44	-	-	-20.06	8.15	1.46	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 001 5955 MHz		5896.12	-40.9	-33.9	-7	-53.49	8.15	1.43	3.01	0	P
		5924.54	-55.07	-28.07	-27	-67.68	8.15	1.45	3.01	0	A
	*	5955	6.42	-	-	-6.21	8.15	1.47	3.01	0	P
	*	5955	-5.99	-	-	-18.62	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 242/61 CH 001 5955 MHz		5872.88	-41.58	-34.58	-7	-54.13	8.15	1.39	3.01	0	P
		5923.98	-55.49	-28.49	-27	-68.1	8.15	1.45	3.01	0	A
	*	5955	8.58	-	-	-4.05	8.15	1.47	3.01	0	P
	*	5955	-4.41	-	-	-17.04	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 106/53 CH 001 5955 MHz		5914.88	-42.34	-35.34	-7	-54.95	8.15	1.45	3.01	0	P
		5920.48	-55.85	-28.85	-27	-68.46	8.15	1.45	3.01	0	A
	*	5955	8.26	-	-	-4.37	8.15	1.47	3.01	0	P
	*	5955	-4.32	-	-	-16.95	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 52/37 CH 001 5955 MHz		5906.9	-41.78	-34.78	-7	-54.38	8.15	1.44	3.01	0	P
		5909.14	-55.92	-28.92	-27	-68.52	8.15	1.44	3.01	0	A
	*	5955	6.77	-	-	-5.86	8.15	1.47	3.01	0	P
	*	5955	-5.24	-	-	-17.87	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 26/0 CH 001 5955 MHz		5921.04	-42.34	-35.34	-7	-54.95	8.15	1.45	3.01	0	P
		5914.46	-55.97	-28.97	-27	-68.58	8.15	1.45	3.01	0	A
	*	5955	6.62	-	-	-6.01	8.15	1.47	3.01	0	P
	*	5955	-5.24	-	-	-17.87	8.15	1.47	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE20 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include data for 802.11ax HE20 Full CH 001 5955 MHz, Partial 26/0 CH 001 5955 MHz, Full CH 045 6175 MHz, and Partial 26/4 CH 045 6175 MHz.



WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 093 6415 MHz		8553.3	-57.96	-50.96	-7	-71.83	8.15	2.71	3.01	0	P
		12830	-65.12	-58.12	-7	-79.16	8.15	2.88	3.01	0	P
		19250	-62.43	-41.23	-21.2	-78.06	8.15	4.47	3.01	0	P
		39920	-38.85	-17.65	-21.2	-69.89	8.15	19.88	3.01	0	P
		39920	-50.76	-9.56	-41.2	-81.8	8.15	19.88	3.01	0	A
802.11ax HE20 Partial 26/8 CH 093 6415 MHz		8553.12	-58.81	-51.81	-7	-72.68	8.15	2.71	3.01	0	P
		12830	-64.73	-57.73	-7	-78.77	8.15	2.88	3.01	0	P
		19245	-58.35	-37.15	-21.2	-73.99	8.15	4.48	3.01	0	P
		39928	-36.59	-15.39	-21.2	-67.63	8.15	19.88	3.01	0	P
		39928	-48.59	-7.39	-41.2	-79.63	8.15	19.88	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE40 (Band Edge)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for 802.11ax HE40 Full CH 003 and Partial CH 003 at 5965 MHz, and a Remark section.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE40 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for frequencies 7953.3, 11930, 17895, 39912, and 39912 MHz, and a Remark section with two points.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE80 (Band Edge)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include 802.11ax HE80 Full CH 007 5985 MHz and 802.11ax HE80 Partial 996/67 CH 007 5985 MHz.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE80 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for 802.11ax HE80 Full CH 007 5985 MHz and a Remark section.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE160 (Band Edge)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include data for 802.11ax HE160 Full CH 015 6025 MHz and 802.11ax HE160 Partial 1992/68 CH 015 6025 MHz, plus a Remark section.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE160 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for channels 015, 047, and 079.



UNII-6 (6425-6525 MHz)

WIFI 802.11a (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 097 6435 MHz		8580	-60.33	-53.33	-7	-74.16	8.1	2.72	3.01	0	P
		12830	-64.03	-57.03	-7	-78.02	8.1	2.88	3.01	0	P
		19245	-59.96	-38.76	-21.2	-75.55	8.1	4.48	3.01	0	P
		39936	-39.57	-18.37	-21.2	-70.56	8.1	19.88	3.01	0	P
		39936	-51.51	-10.31	-41.2	-82.5	8.1	19.88	3.01	0	A
802.11a CH 105 6475 MHz		8633.3	-62.19	-55.19	-7	-76.02	8.1	2.72	3.01	0	P
		12950	-65.74	-58.74	-7	-79.71	8.1	2.86	3.01	0	P
		19425	-61.78	-40.58	-21.2	-77.26	8.1	4.37	3.01	0	P
		39976	-39.13	-17.93	-21.2	-70.18	8.1	19.94	3.01	0	P
		39976	-50.9	-9.7	-41.2	-81.95	8.1	19.94	3.01	0	A
802.11a CH 113 6515 MHz		8686.6	-63.45	-56.45	-7	-77.29	8.1	2.73	3.01	0	P
		13030	-67.05	-60.05	-7	-81.03	8.1	2.87	3.01	0	P
		19545	-62.32	-41.12	-21.2	-77.74	8.1	4.31	3.01	0	P
		39864	-38.84	-17.64	-21.2	-69.71	8.1	19.76	3.01	0	P
		39864	-51.43	-10.23	-41.2	-82.3	8.1	19.76	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-6 (6425-6525 MHz)
WIFI 802.11ax HE20 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include data for Full CH 097 6435 MHz and Partial 26/0 CH 097 6435 MHz, plus a Remark section.



UNII-6 (6425-6525 MHz)
WIFI 802.11ax HE40 (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE40 Full CH 099 6445 MHz		8593.3	-57.22	-50.22	-7	-71.05	8.1	2.72	3.01	0	P
		12890	-65.28	-58.28	-7	-79.26	8.1	2.87	3.01	0	P
		19335	-60.65	-39.45	-21.2	-76.19	8.1	4.43	3.01	0	P
		39960	-39.19	-17.99	-21.2	-70.24	8.1	19.94	3.01	0	P
		39960	-51.35	-10.15	-41.2	-82.4	8.1	19.94	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-6 (6425-6525 MHz)
WIFI 802.11ax HE80 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for 802.11ax HE80 Full CH 103 6465 MHz and a Remark section.



UNII-6 (6425-6525 MHz)
WIFI 802.11ax HE160 (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE160 Full CH 111 6505 MHz		8673.3	-57.51	-50.51	-7	-71.35	8.1	2.73	3.01	0	P
		13010	-66.64	-59.64	-7	-80.61	8.1	2.86	3.01	0	P
		19515	-63.74	-42.54	-21.2	-79.16	8.1	4.31	3.01	0	P
		39944	-39.06	-17.86	-21.2	-70.05	8.1	19.88	3.01	0	P
		39944	-51.31	-10.11	-41.2	-82.3	8.1	19.88	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-7 (6525-6875 MHz)

WIFI 802.11a (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 117 6535 MHz		8713.3	-63.61	-56.61	-7	-77.52	8.17	2.73	3.01	0	P
		13070	-65.64	-58.64	-7	-79.7	8.17	2.88	3.01	0	P
		19605	-61.62	-40.42	-21.2	-77.07	8.17	4.27	3.01	0	P
		39920	-39.23	-18.03	-21.2	-70.29	8.17	19.88	3.01	0	P
		39920	-51.54	-10.34	-41.2	-82.6	8.17	19.88	3.01	0	A
802.11a CH 149 6695 MHz		13390	-65.39	-44.19	-21.2	-79.52	8.17	2.95	3.01	0	P
		20085	-61.31	-40.11	-21.2	-76.73	8.17	4.24	3.01	0	P
		39960	-38.83	-17.63	-21.2	-69.95	8.17	19.94	3.01	0	P
		39960	-50.86	-9.66	-41.2	-81.98	8.17	19.94	3.01	0	A
802.11a CH 181 6855 MHz		8226	-57.85	-36.65	-21.2	-71.71	8.17	2.68	3.01	0	P
		13710	-64.98	-57.98	-7	-79.18	8.17	3.02	3.01	0	P
		20565	-62.39	-41.19	-21.2	-78.74	8.17	5.17	3.01	0	P
		39896	-39.12	-17.92	-21.2	-70.12	8.17	19.82	3.01	0	P
		39896	-51.3	-10.1	-41.2	-82.3	8.17	19.82	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-7 (6525-6875 MHz) – Straddle Channel
WIFI 802.11a (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 185 6875 MHz		13750.7	-65.83	-58.83	-7	-80.04	8.17	3.03	3.01	0	P
		20625	-62.35	-41.15	-21.2	-78.83	8.17	5.3	3.01	0	P
		39992	-37.79	-16.59	-21.2	-68.97	8.17	20	3.01	0	P
		39992	-51.12	-9.92	-41.2	-82.3	8.17	20	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-7 (6525-6875 MHz)
WIFI 802.11ax HE20 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include data for Full CH 117 6535 MHz and Partial 26/0 CH 117 6535 MHz, plus a Remark section.



UNII-7 (6525-6875 MHz)
WIFI 802.11ax HE40 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test data for 802.11ax HE40 Full CH 123 6565 MHz and a Remark section.



UNII-7 (6525-6875 MHz)
WIFI 802.11ax HE80 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for frequencies 7950, 13250, 19875, 39656 and a Remark section.



UNII-7 (6525-6875 MHz)
WIFI 802.11ax HE160 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for 802.11ax HE160 Full CH 143 at 6665 MHz and a Remark section.



UNII-7 (6525-6875 MHz) – Straddle Channel
WIFI 802.11ax HE160 (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE160 Full CH 175 6825 MHz		13650	-64.24	-57.24	-7	-78.43	8.17	3.01	3.01	0	P
		20475	-60.91	-39.71	-21.2	-77.06	8.17	4.97	3.01	0	P
		40000	-39.44	-18.24	-21.2	-70.62	8.17	20	3.01	0	P
		40000	-51.06	-9.86	-41.2	-82.24	8.17	20	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-8 (6875-7125 MHz)
WIFI 802.11a (Band Edge)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include data for 802.11a CH 229 (7095 MHz) and 802.11a CH 233 (7115 MHz).



UNII-8 (6875-7125 MHz)

WIFI 802.11a (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 209 6995 MHz		13990	-65.43	-58.43	-7	-79.66	8.13	3.09	3.01	0	P
		20985	-61.78	-40.58	-21.2	-78.88	8.13	5.96	3.01	0	P
		39912	-38.85	-17.65	-21.2	-69.81	8.13	19.82	3.01	0	P
		39912	-50.74	-9.54	-41.2	-81.7	8.13	19.82	3.01	0	A
802.11a CH 229 7095 MHz		14190	-64.5	-57.5	-7	-78.74	8.13	3.1	3.01	0	P
		21285	-60.49	-39.29	-21.2	-77.71	8.13	6.08	3.01	0	P
		39992	-37.98	-16.78	-21.2	-69.12	8.13	20	3.01	0	P
		39992	-50.96	-9.76	-41.2	-82.1	8.13	20	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE20 (Band Edge)**

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 229 7095 MHz	*	7095	5.92	-	-	-6.71	8.13	1.49	3.01	0	P
	*	7095	-5.58	-	-	-18.21	8.13	1.49	3.01	0	A
		7128.68	-43.11	-36.11	-7	-55.74	8.13	1.49	3.01	0	P
		7126.44	-56.8	-29.8	-27	-69.43	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 242/61 CH 229 7095 MHz	*	7095	7.43	-	-	-5.2	8.13	1.49	3.01	0	P
	*	7095	-4.26	-	-	-16.89	8.13	1.49	3.01	0	A
		7145.8	-44.28	-37.28	-7	-56.91	8.13	1.49	3.01	0	P
		7125.16	-56.75	-29.75	-27	-69.38	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 106/54 CH 229 7095 MHz	*	7095	5.86	-	-	-6.77	8.13	1.49	3.01	0	P
	*	7095	-5.22	-	-	-17.85	8.13	1.49	3.01	0	A
		7171.88	-44.51	-37.51	-7	-57.15	8.13	1.5	3.01	0	P
		7125.48	-57.31	-30.31	-27	-69.94	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 52/40 CH 229 7095 MHz	*	7095	5.65	-	-	-6.98	8.13	1.49	3.01	0	P
	*	7095	-4.75	-	-	-17.38	8.13	1.49	3.01	0	A
		7188.84	-42.81	-35.81	-7	-55.45	8.13	1.5	3.01	0	P
		7125.16	-57.23	-30.23	-27	-69.86	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 26/8 CH 229 7095 MHz	*	7095	5.65	-	-	-6.98	8.13	1.49	3.01	0	P
	*	7095	-4.96	-	-	-17.59	8.13	1.49	3.01	0	A
		7150.6	-43.47	-36.47	-7	-56.1	8.13	1.49	3.01	0	P
		7125.48	-57.32	-30.32	-27	-69.95	8.13	1.49	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 233 7115 MHz	*	7115	6.31	-	-	-6.32	8.13	1.49	3.01	0	P
	*	7115	-5.1	-	-	-17.73	8.13	1.49	3.01	0	A
		7125	-8.76	-1.76	-7	-21.39	8.13	1.49	3.01	0	P
		7125	-29.17	-2.17	-27	-41.8	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 242/61 CH 233 7115 MHz	*	7115	5.18	-	-	-7.45	8.13	1.49	3.01	0	P
	*	7115	-7.96	-	-	-20.59	8.13	1.49	3.01	0	A
		7125	-10.5	-3.5	-7	-23.13	8.13	1.49	3.01	0	P
		7125	-32.96	-5.96	-27	-45.59	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 106/54 CH 233 7115 MHz	*	7115	4.38	-	-	-8.25	8.13	1.49	3.01	0	P
	*	7115	-6.69	-	-	-19.32	8.13	1.49	3.01	0	A
		7125	-9.38	-2.38	-7	-22.01	8.13	1.49	3.01	0	P
		7125	-31.45	-4.45	-27	-44.08	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 52/40 CH 233 7115 MHz	*	7115	5.66	-	-	-6.97	8.13	1.49	3.01	0	P
	*	7115	-6.11	-	-	-18.74	8.13	1.49	3.01	0	A
		7125	-9.64	-2.64	-7	-22.27	8.13	1.49	3.01	0	P
		7125	-31.26	-4.26	-27	-43.89	8.13	1.49	3.01	0	A
802.11ax HE20 Partial 26/8 CH 233 7115 MHz	*	7115	5.75	-	-	-6.88	8.13	1.49	3.01	0	P
	*	7115	-4.88	-	-	-17.51	8.13	1.49	3.01	0	A
		7125	-8.54	-1.54	-7	-21.17	8.13	1.49	3.01	0	P
		7125	-30.26	-3.26	-27	-42.89	8.13	1.49	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE20 (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include data for 802.11ax HE20 Full CH 229 and Partial 26/8 CH 229 at 7095 MHz, and a Remark section.



UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE40 (Band Edge)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for Full and Partial HE40 channels and a Remark section.



UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE40 (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE40 Full CH 227 7085 MHz		8502	-52.38	-45.38	-7	-66.23	8.13	2.71	3.01	0	P
		14170	-61.14	-54.14	-7	-75.38	8.13	3.1	3.01	0	P
		21255	-58.66	-37.46	-21.2	-75.87	8.13	6.07	3.01	0	P
		39904	-36.35	-15.15	-21.2	-67.31	8.13	19.82	3.01	0	P
		39904	-48.35	-7.15	-41.2	-79.31	8.13	19.82	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE80 (Band Edge)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for 802.11ax HE80 Full CH 215 7025 MHz and 802.11ax HE80 996/67 CH 215 7025 MHz, plus a Remark section.



UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE80 (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE80 Full CH 215 7025 MHz		14050	-63.07	-56.07	-7	-77.3	8.13	3.09	3.01	0	P
		21075	-60.07	-38.87	-21.2	-77.25	8.13	6.04	3.01	0	P
		39960	-36.47	-15.27	-21.2	-67.55	8.13	19.94	3.01	0	P
		39960	-48.47	-7.27	-41.2	-79.55	8.13	19.94	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE160 (Band Edge)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test results for Full and Partial HE160 channels at 6985 MHz.



UNII-8 (6875-7125 MHz)
WIFI 802.11ax HE160 (Harmonic)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE160 Full CH 207 6985 MHz		13970	-64.76	-57.76	-7	-78.98	8.13	3.08	3.01	0	P
		20955	-60.3	-39.1	-21.2	-77.34	8.13	5.9	3.01	0	P
		39920	-38.5	-17.3	-21.2	-69.52	8.13	19.88	3.01	0	P
		39920	-50.78	-9.58	-41.2	-81.8	8.13	19.88	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



Emission below 1GHz
WIFI 802.11ax HE160 Full (LF)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), Peak Avg. (P/A). Rows include test results for frequencies 53.49, 215.22, 253.29, 603.8, 752.9, and 971.3 MHz, and a Remark section with two entries.



UNII-5 (5925-6425 MHz)

WIFI 802.11a (Band Edge)

WIFI Ant. 5	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 002 5935 MHz		5924.96	-17.71	-10.71	-7	-30.32	8.15	1.45	3.01	0	P
		5924.96	-45.59	-18.59	-27	-58.2	8.15	1.45	3.01	0	A
	*	5935	5.01	-	-	-7.61	8.15	1.46	3.01	0	P
	*	5935	-6.64	-	-	-19.26	8.15	1.46	3.01	0	P
802.11a CH 001 5955 MHz		5847.54	-41.43	-34.43	-7	-53.94	8.15	1.35	3.01	0	P
		5924.26	-55.16	-28.16	-27	-67.77	8.15	1.45	3.01	0	A
	*	5955	4.84	-	-	-7.79	8.15	1.47	3.01	0	P
	*	5955	-6.69	-	-	-19.32	8.15	1.47	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-5 (5925-6425 MHz)

WIFI 802.11a (Harmonic)

WIFI Ant. 5	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11a CH 001 5955 MHz		7939.98	-50.89	-43.89	-7	-64.7	8.15	2.65	3.01	0	P
		11910	-64.61	-43.41	-21.2	-78.72	8.15	2.95	3.01	0	P
		17865	-63.34	-42.14	-21.2	-78.53	8.15	4.03	3.01	0	P
		23820	-62.17	-40.97	-21.2	-80.05	8.15	6.72	3.01	0	P
802.11a CH 045 6175 MHz		8233.31	-51.91	-30.71	-21.2	-65.75	8.15	2.68	3.01	0	P
		12350	-66.34	-45.14	-21.2	-80.43	8.15	2.93	3.01	0	P
		18525	-64.22	-43.02	-21.2	-79.74	8.15	4.36	3.01	0	P
		24700	-60.24	-53.24	-7	-78.79	8.15	7.39	3.01	0	P
802.11a CH 093 6415 MHz		8553.312	-56.67	-49.67	-7	-70.54	8.15	2.71	3.01	0	P
		12830	-66.87	-59.87	-7	-80.91	8.15	2.88	3.01	0	P
		19245	-62.92	-41.72	-21.2	-78.56	8.15	4.48	3.01	0	P
		25660	-52.87	-45.87	-7	-72.9	8.15	8.87	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE20 (Band Edge)**

WIFI Ant. 5	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 002 5935 MHz		5924.96	-9.26	-2.26	-7	-21.87	8.15	1.45	3.01	0	P
		5924.96	-30.75	-3.75	-27	-43.36	8.15	1.45	3.01	0	A
	*	5935	5.78	-	-	-6.84	8.15	1.46	3.01	0	P
	*	5935	-7.01	-	-	-19.63	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 242/61 CH 002 5935 MHz		5924.96	-9.41	-2.41	-7	-22.02	8.15	1.45	3.01	0	P
		5924.96	-31.92	-4.92	-27	-44.53	8.15	1.45	3.01	0	A
	*	5935	6.56	-	-	-6.06	8.15	1.46	3.01	0	P
	*	5935	-7.4	-	-	-20.02	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 106/53 CH 002 5935 MHz		5924.96	-8.87	-1.87	-7	-21.48	8.15	1.45	3.01	0	P
		5924.96	-31.64	-4.64	-27	-44.25	8.15	1.45	3.01	0	A
	*	5935	4.35	-	-	-8.27	8.15	1.46	3.01	0	P
	*	5935	-7.32	-	-	-19.94	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 52/37 CH 002 5935 MHz		5924.96	-9.5	-2.5	-7	-22.11	8.15	1.45	3.01	0	P
		5924.96	-31.75	-4.75	-27	-44.36	8.15	1.45	3.01	0	A
	*	5935	6.01	-	-	-6.61	8.15	1.46	3.01	0	P
	*	5935	-6.49	-	-	-19.11	8.15	1.46	3.01	0	A
802.11ax HE20 Partial 26/0 CH 002 5935 MHz		5924.82	-8.99	-1.99	-7	-21.6	8.15	1.45	3.01	0	P
		5924.96	-32.26	-5.26	-27	-44.87	8.15	1.45	3.01	0	A
	*	5935	5.31	-	-	-7.31	8.15	1.46	3.01	0	P
	*	5935	-7.12	-	-	-19.74	8.15	1.46	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



WIFI Ant. 5	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 001 5955 MHz		5877.78	-40.61	-33.61	-7	-53.16	8.15	1.39	3.01	0	P
		5922.72	-54.7	-27.7	-27	-67.31	8.15	1.45	3.01	0	A
	*	5955	8.09	-	-	-4.54	8.15	1.47	3.01	0	P
	*	5955	-4.65	-	-	-17.28	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 242/61 CH 001 5955 MHz		5920.34	-40.79	-33.79	-7	-53.4	8.15	1.45	3.01	0	P
		5924.26	-55.02	-28.02	-27	-67.63	8.15	1.45	3.01	0	A
	*	5955	8.59	-	-	-4.04	8.15	1.47	3.01	0	P
	*	5955	-4.47	-	-	-17.1	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 106/53 CH 001 5955 MHz		5838.16	-41.63	-34.63	-7	-54.12	8.15	1.33	3.01	0	P
		5924.82	-55.18	-28.18	-27	-67.79	8.15	1.45	3.01	0	A
	*	5955	8.26	-	-	-4.37	8.15	1.47	3.01	0	P
	*	5955	-3.55	-	-	-16.18	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 52/37 CH 001 5955 MHz		5901.44	-40.98	-33.98	-7	-53.58	8.15	1.44	3.01	0	P
		5924.82	-55.23	-28.23	-27	-67.84	8.15	1.45	3.01	0	A
	*	5955	7.95	-	-	-4.68	8.15	1.47	3.01	0	P
	*	5955	-4.17	-	-	-16.8	8.15	1.47	3.01	0	A
802.11ax HE20 Partial 26/0 CH 001 5955 MHz		5854.4	-41.44	-34.44	-7	-53.96	8.15	1.36	3.01	0	P
		5919.92	-55.29	-28.29	-27	-67.9	8.15	1.45	3.01	0	A
	*	5955	8.12	-	-	-4.51	8.15	1.47	3.01	0	P
	*	5955	-3.95	-	-	-16.58	8.15	1.47	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE20 (Harmonic)**

WIFI Ant. 5	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 001 5955 MHz		7939.98	-46.36	-39.36	-7	-60.17	8.15	2.65	3.01	0	P
		11910	-64.35	-43.15	-21.2	-78.46	8.15	2.95	3.01	0	P
		17865	-63.04	-41.84	-21.2	-78.23	8.15	4.03	3.01	0	P
		23820	-61.13	-39.93	-21.2	-79.01	8.15	6.72	3.01	0	P
802.11ax HE20 Partial 26/0 CH 001 5955 MHz		7939.802	-39.97	-32.97	-7	-53.78	8.15	2.65	3.01	0	P
		11910	-63.74	-42.54	-21.2	-77.85	8.15	2.95	3.01	0	P
		17865	-62.71	-41.51	-21.2	-77.9	8.15	4.03	3.01	0	P
		39968	-39.36	-18.16	-21.2	-70.46	8.15	19.94	3.01	0	P
		39968	-51.36	-10.16	-41.2	-82.46	8.15	19.94	3.01	0	A
802.11ax HE20 Full CH 045 6175 MHz		8233.313	-49.11	-27.91	-21.2	-62.95	8.15	2.68	3.01	0	P
		12350	-65.68	-44.48	-21.2	-79.77	8.15	2.93	3.01	0	P
		18525	-64.22	-43.02	-21.2	-79.74	8.15	4.36	3.01	0	P
		24700	-59.99	-52.99	-7	-78.54	8.15	7.39	3.01	0	P
802.11ax HE20 Partial 26/4 CH 045 6175 MHz		8233.128	-43.98	-22.78	-21.2	-57.82	8.15	2.68	3.01	0	P
		8233.128	-44.7	-3.5	-41.2	-58.54	8.15	2.68	3.01	0	A
		12350	-65.19	-43.99	-21.2	-79.28	8.15	2.93	3.01	0	P
		18525	-62.75	-41.55	-21.2	-78.27	8.15	4.36	3.01	0	P
		39992	-38.89	-17.69	-21.2	-70.05	8.15	20	3.01	0	P
		39992	-50.89	-9.69	-41.2	-82.05	8.15	20	3.01	0	A



WIFI Ant. 5	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE20 Full CH 093 6415 MHz		8553.312	-52.98	-45.98	-7	-66.85	8.15	2.71	3.01	0	P
		12830	-66.16	-59.16	-7	-80.2	8.15	2.88	3.01	0	P
		19245	-62.28	-41.08	-21.2	-77.92	8.15	4.48	3.01	0	P
		25660	-56.13	-49.13	-7	-76.16	8.15	8.87	3.01	0	P
802.11ax HE20 Partial 26/8 CH 093 6415 MHz		8553.12	-51.29	-44.29	-7	-65.16	8.15	2.71	3.01	0	P
		12830	-64.78	-57.78	-7	-78.82	8.15	2.88	3.01	0	P
		19245	-62.66	-41.46	-21.2	-78.3	8.15	4.48	3.01	0	P
		39680	-39.28	-18.08	-21.2	-69.85	8.15	19.41	3.01	0	P
		39680	-51.28	-10.08	-41.2	-81.85	8.15	19.41	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE40 (Band Edge)

Table with 12 columns: WIFI Ant. 5, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include 802.11ax HE40 Full CH 003 5965 MHz and 802.11ax HE40 Partial 484/65 CH 003 5965 MHz.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE40 (Harmonic)

Table with 12 columns: WIFI Ant. 5, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include test data for 802.11ax HE40 Full CH 003 5965 MHz and a Remark section.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE80 (Band Edge)

Table with 12 columns: WIFI Ant. 5, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include 802.11ax HE80 Full CH 007 5985 MHz and 802.11ax HE80 Partial 996/67 CH 007 5985 MHz.



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE80 (Harmonic)

WIFI Ant. 5	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	P Avg. (P/A)
802.11ax HE80 Full CH 007 5985 MHz		7979.98	-44.05	-37.05	-7	-57.87	8.15	2.66	3.01	0	P
		11970	-63.18	-41.98	-21.2	-77.3	8.15	2.96	3.01	0	P
		17955	-61.66	-40.46	-21.2	-76.87	8.15	4.05	3.01	0	P
		39944	-38.52	-17.32	-21.2	-69.56	8.15	19.88	3.01	0	P
		39944	-50.52	-9.32	-41.2	-81.56	8.15	19.88	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII-5 (5925-6425 MHz)
WIFI 802.11ax HE160 (Band Edge)

Table with 12 columns: WIFI Ant. 5, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), P Avg. (P/A). Rows include data for 802.11ax HE160 Full CH 015 6025 MHz and 802.11ax HE160 Partial 1992/68 CH 015 6025 MHz.