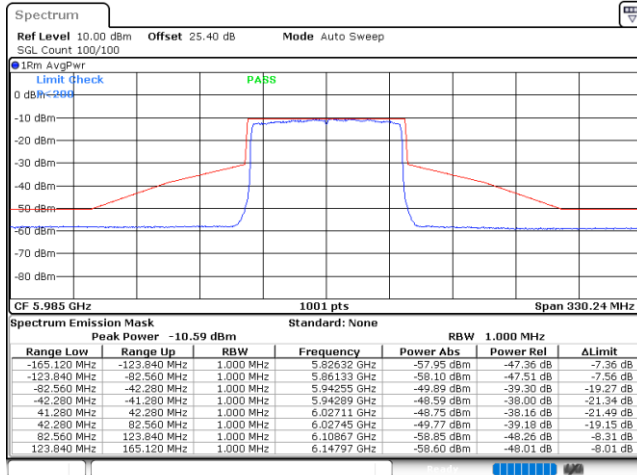




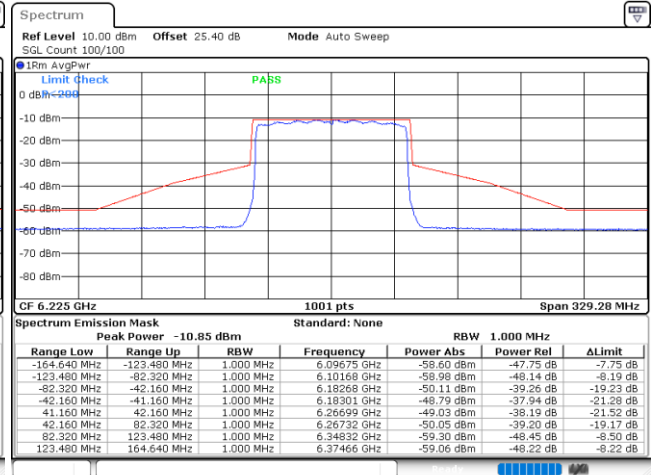
EUT Mode : 802.11ax HE80 Full RU

Plot on Channel 5985MHz



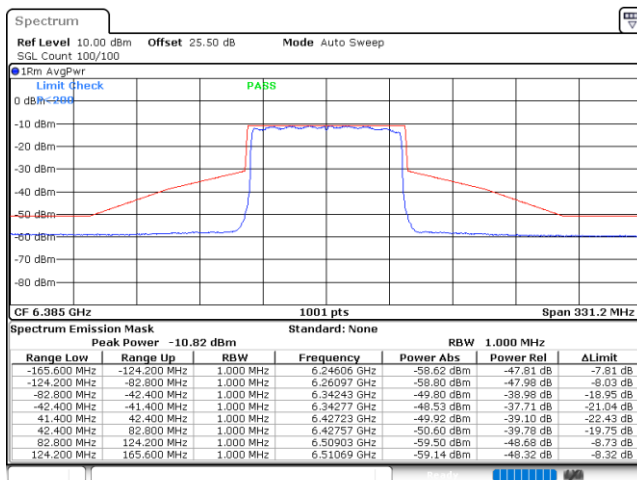
Date: 10.AUG.2023 14:01:25

Plot on Channel 6225MHz



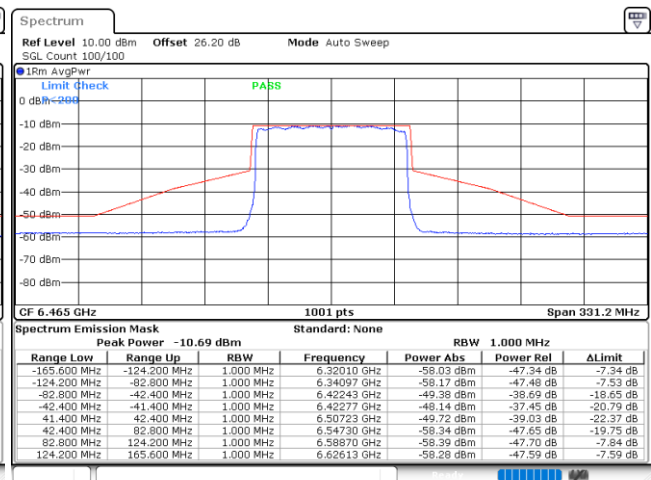
Date: 10.AUG.2023 14:02:46

Plot on Channel 6385MHz



Date: 10.AUG.2023 14:07:34

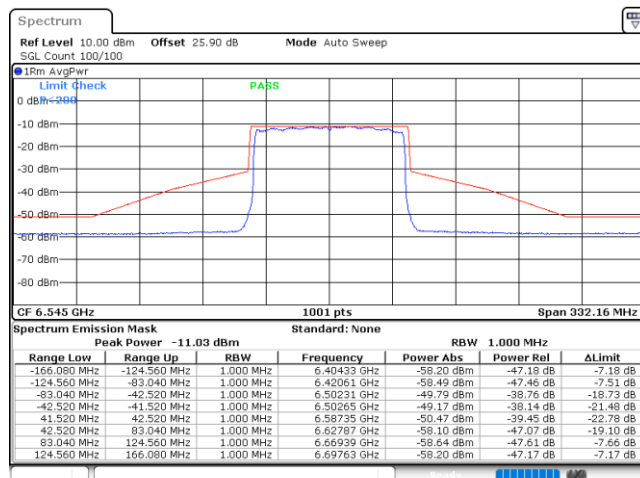
Plot on Channel 6465MHz



Date: 10.AUG.2023 14:12:26

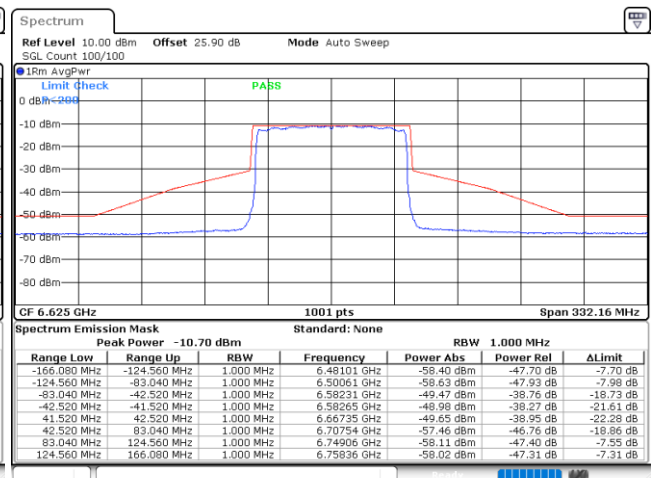


Plot on Channel 6545MHz



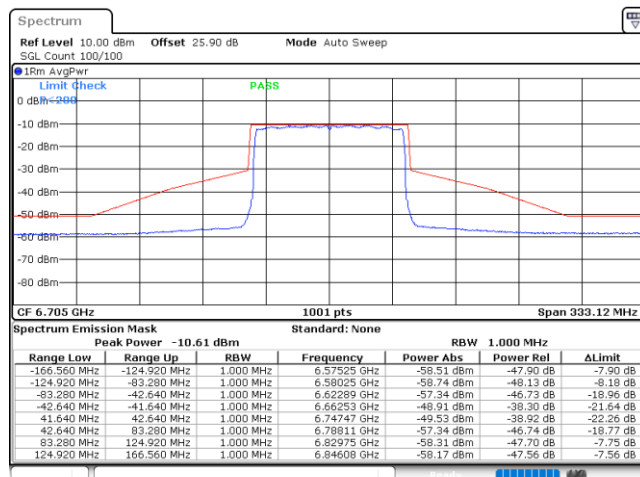
Date: 10.AUG.2023 14:17:04

Plot on Channel 6625MHz



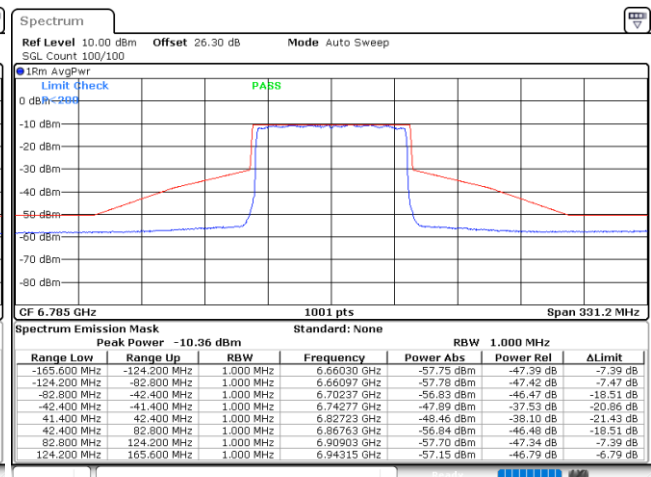
Date: 10.AUG.2023 14:18:47

Plot on Channel 6705MHz



Date: 10.AUG.2023 14:21:49

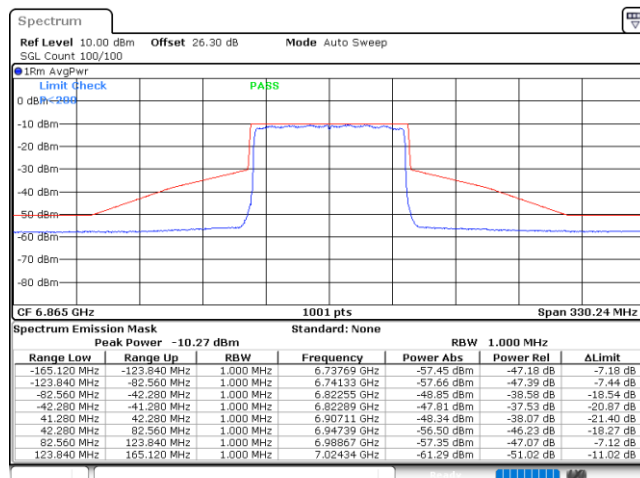
Plot on Channel 6785MHz



Date: 10.AUG.2023 14:23:45

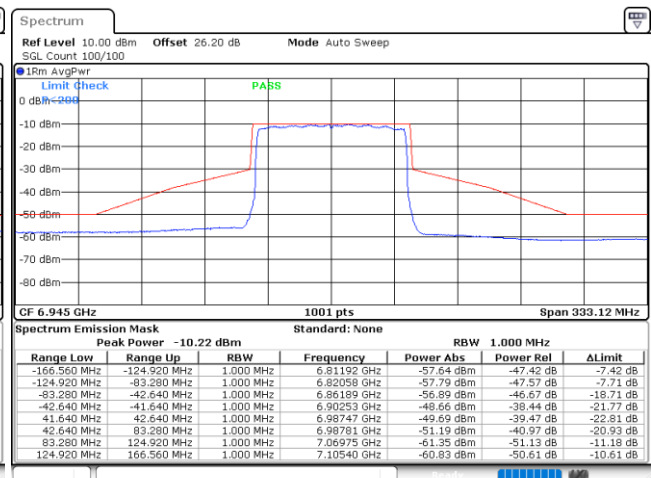


Plot on Channel 6865MHz



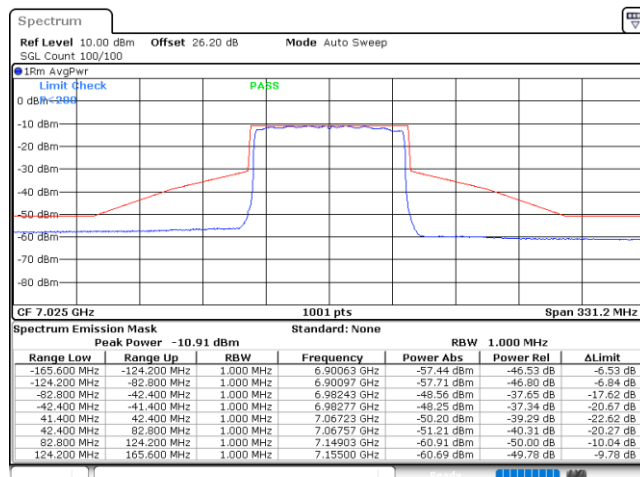
Date: 10.AUG.2023 14:28:03

Plot on Channel 6945MHz



Date: 10.AUG.2023 14:36:11

Plot on Channel 7025MHz



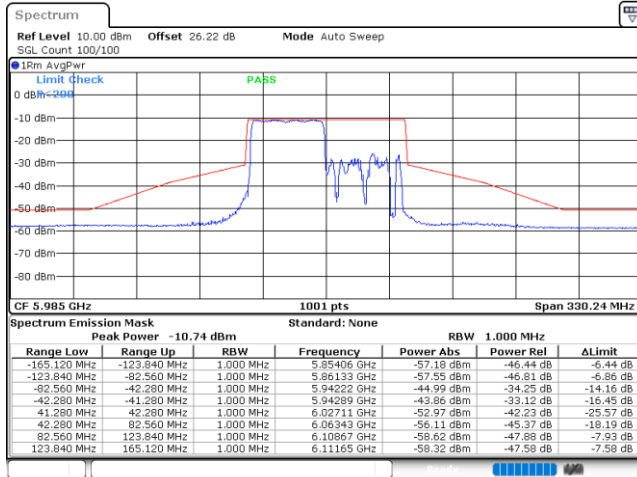
Date: 10.AUG.2023 14:44:03



EUT Mode

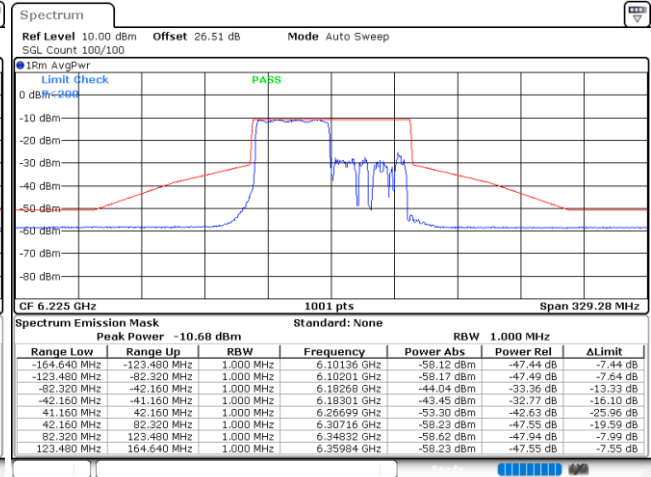
802.11ax HE80 484RU65

Plot on Channel 5985 MHz



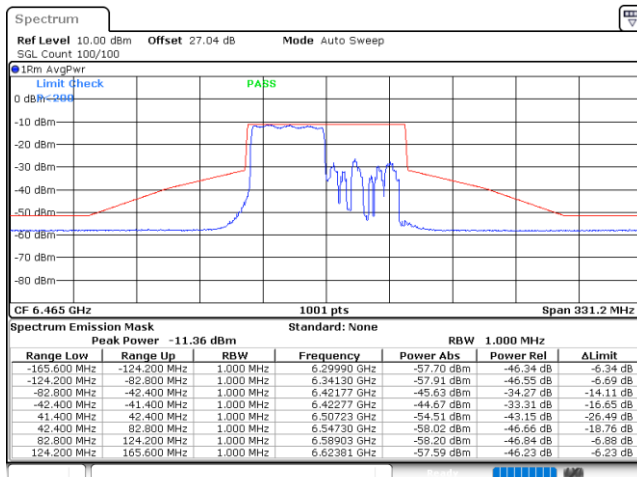
Date: 22.SEP.2023 21:29:09

Plot on Channel 6225 MHz



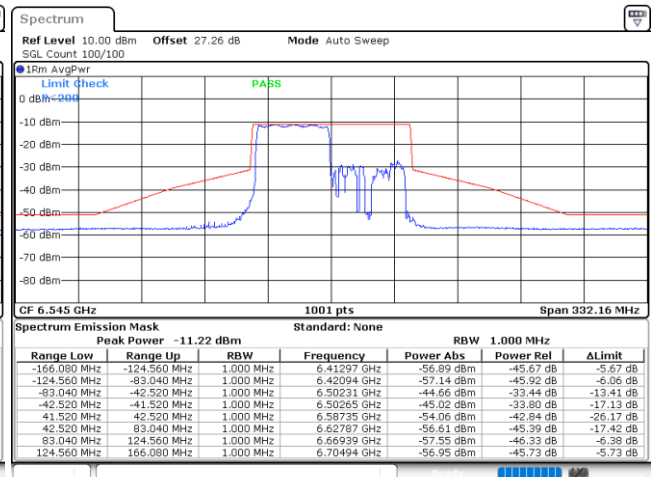
Date: 22.SEP.2023 21:30:08

Plot on Channel 6465 MHz



Date: 22.SEP.2023 21:32:17

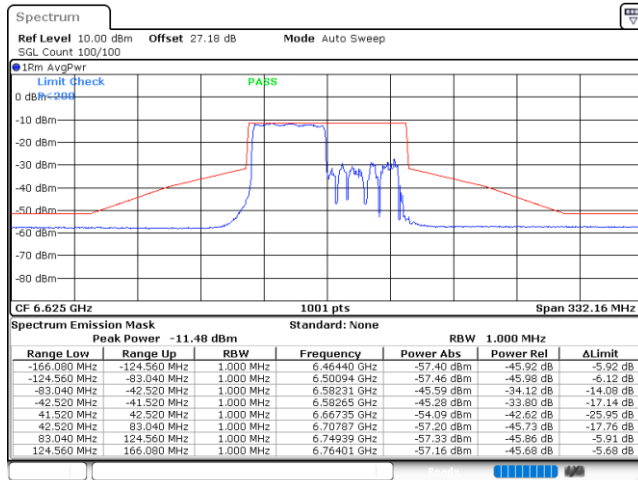
Plot on Channel 6545 MHz



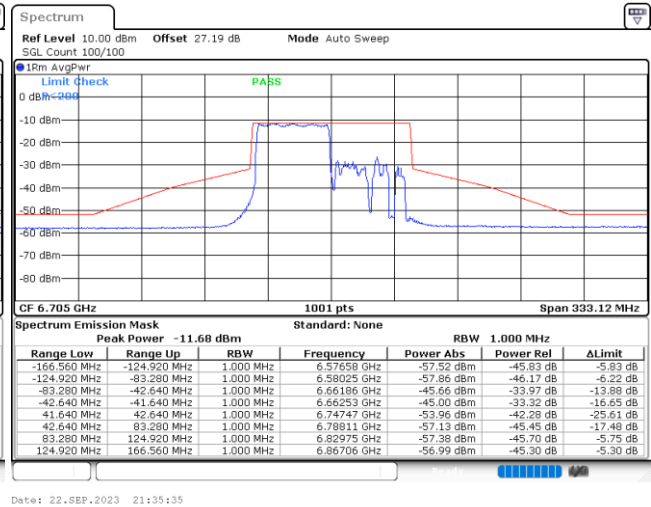
Date: 22.SEP.2023 21:33:11



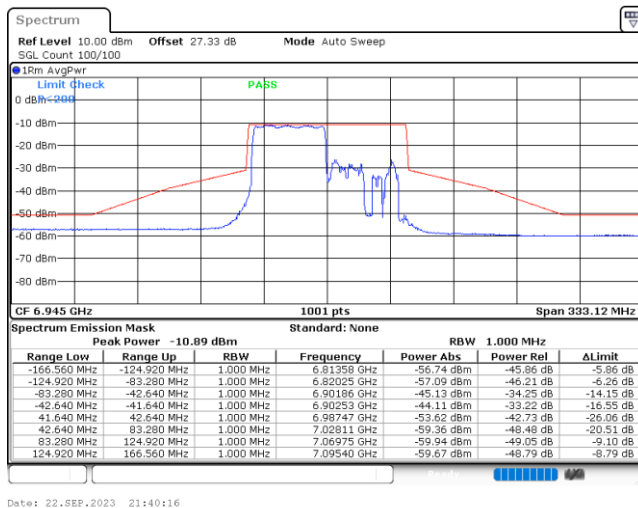
Plot on Channel 6625 MHz



Plot on Channel 6705 MHz



Plot on Channel 6945 MHz

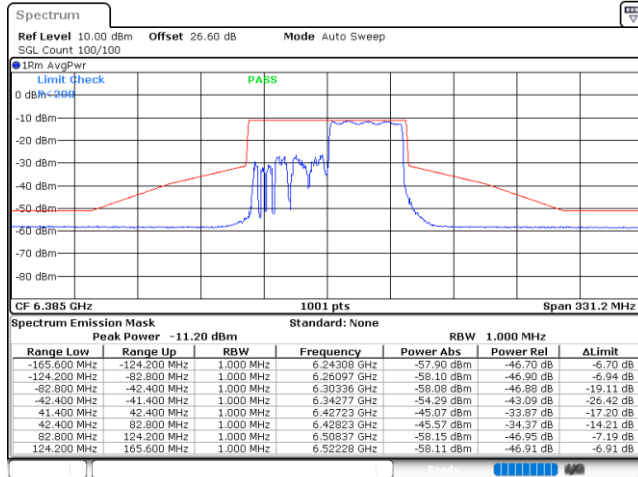




EUT Mode

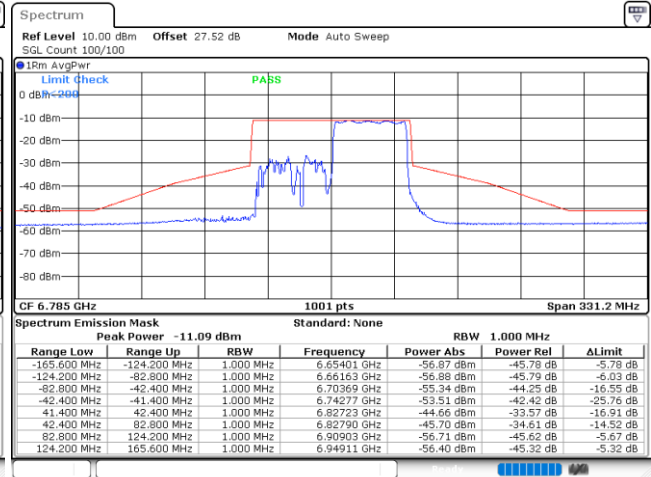
802.11ax HE80 484RU66

Plot on Channel 6385 MHz



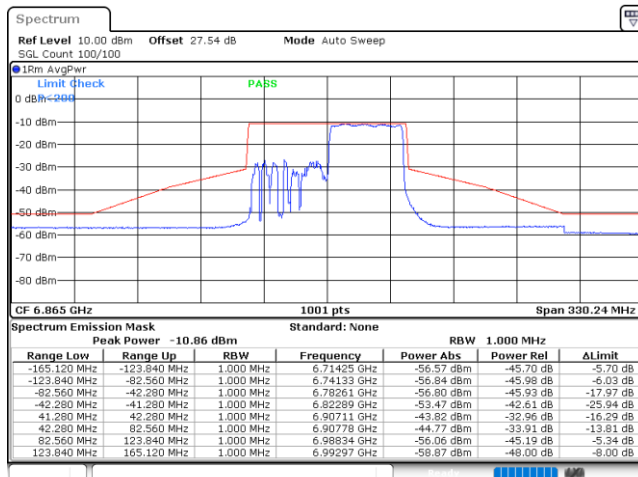
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Plot on Channel 6785 MHz



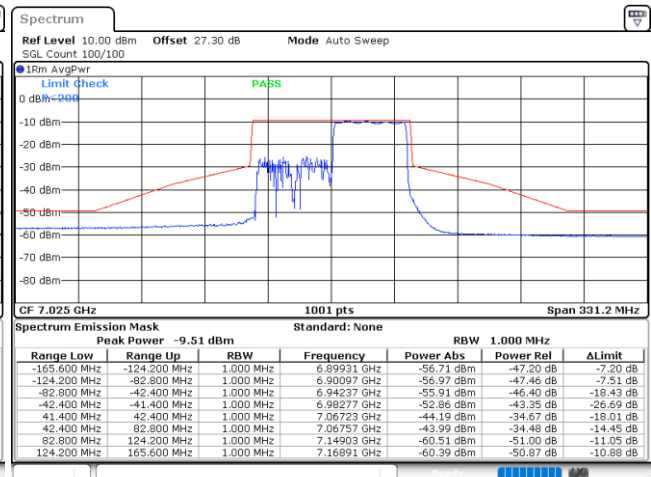
Date: 22.SEP.2023 21:36:33

Plot on Channel 6865 MHz



Date: 22.SEP.2023 21:37:47

Plot on Channel 7025 MHz

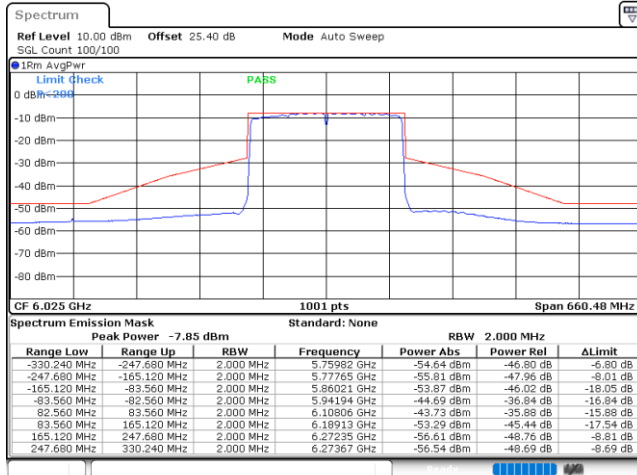


Date: 22.SEP.2023 21:38:58



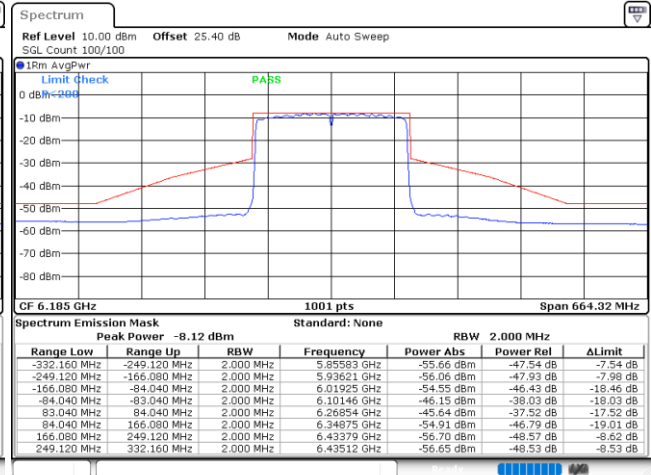
EUT Mode : 802.11ax HE160 Full RU

Plot on Channel 6025MHz



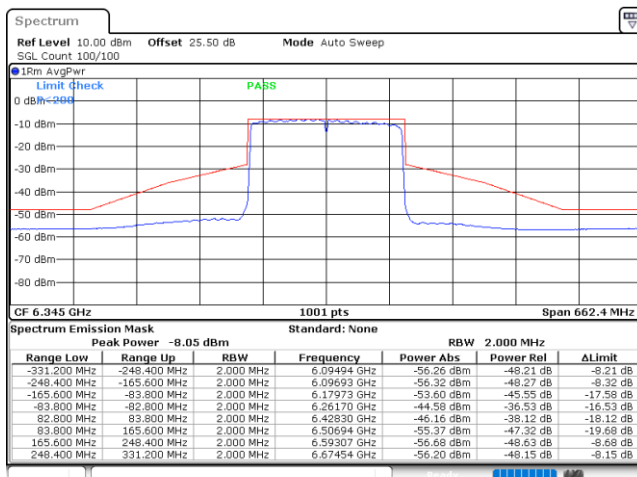
Date: 10.AUG.2023 14:47:09

Plot on Channel 6185MHz



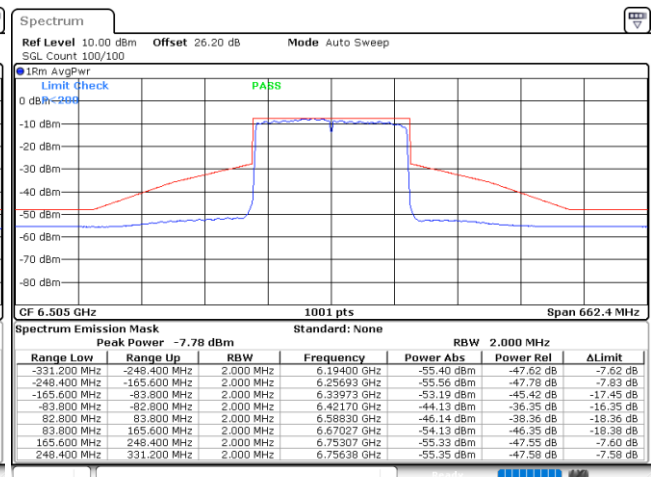
Date: 10.AUG.2023 14:50:54

Plot on Channel 6345MHz



Date: 10.AUG.2023 14:52:40

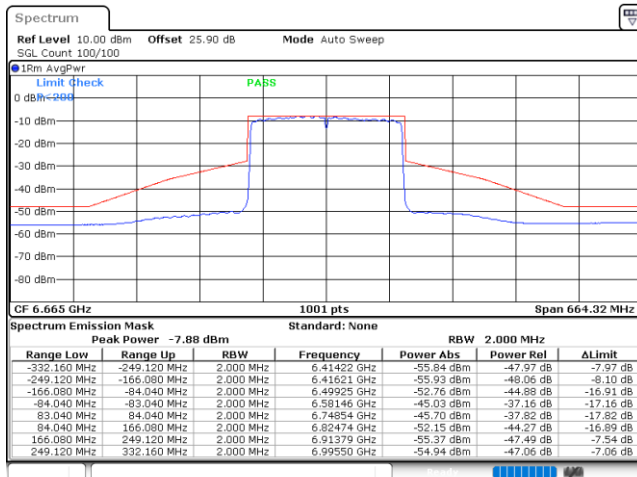
Plot on Channel 6505MHz



Date: 10.AUG.2023 14:57:15

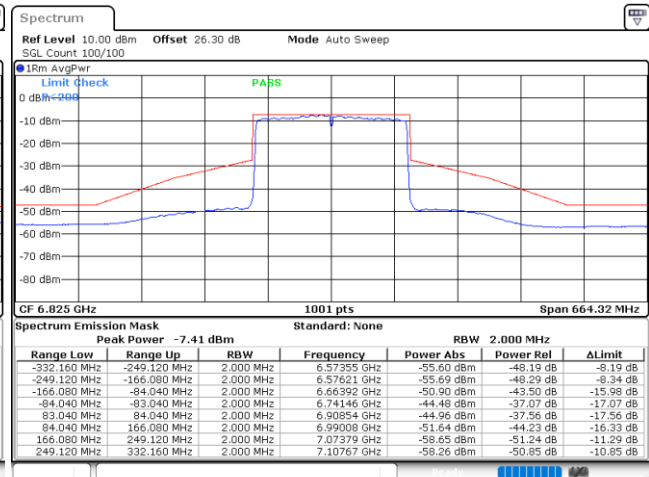


Plot on Channel 6665MHz



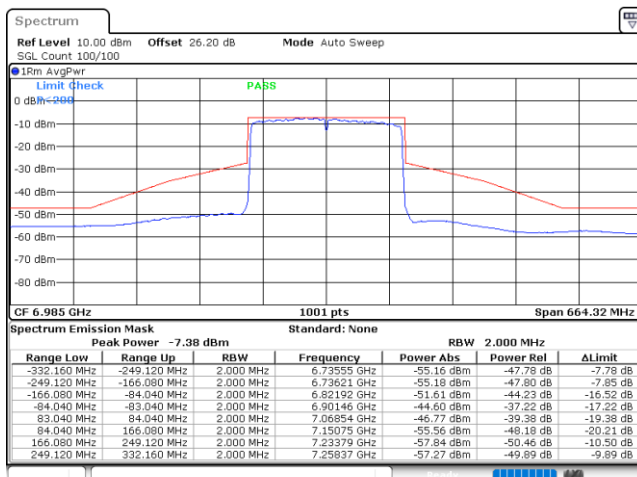
Date: 10.AUG.2023 15:07:29

Plot on Channel 6825MHz



Date: 10.AUG.2023 15:20:37

Plot on Channel 6985MHz



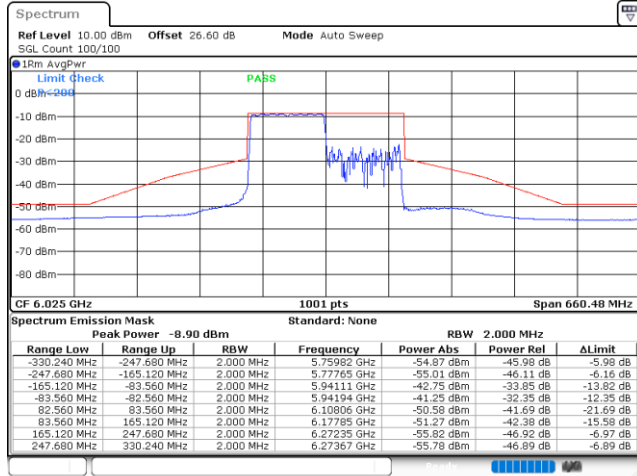
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EUT Mode

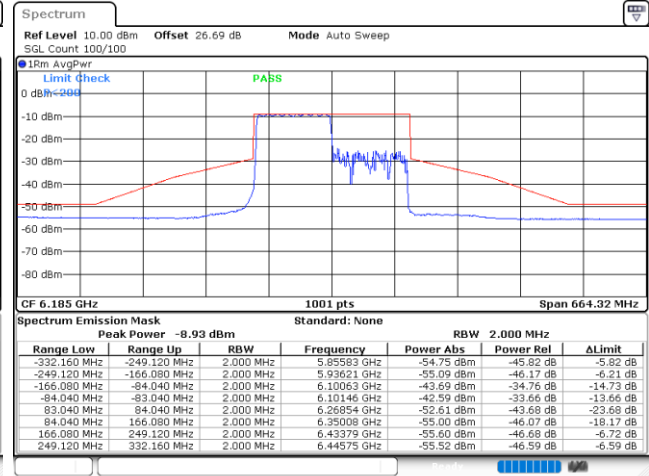
802.11ax HE160 996RU67

Plot on Channel 6025 MHz



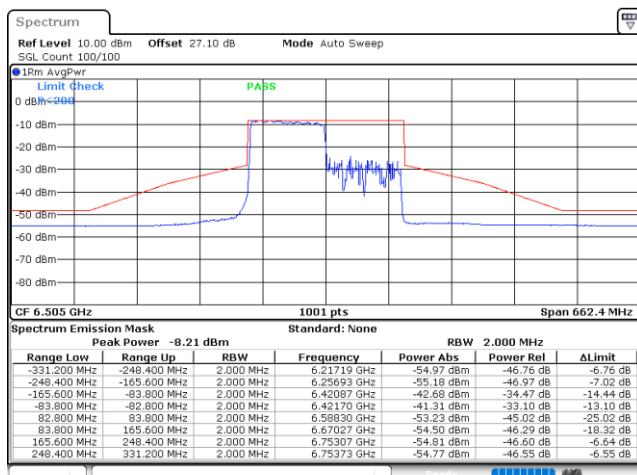
Date: 22.SEP.2023 21:42:12

Plot on Channel 6185 MHz



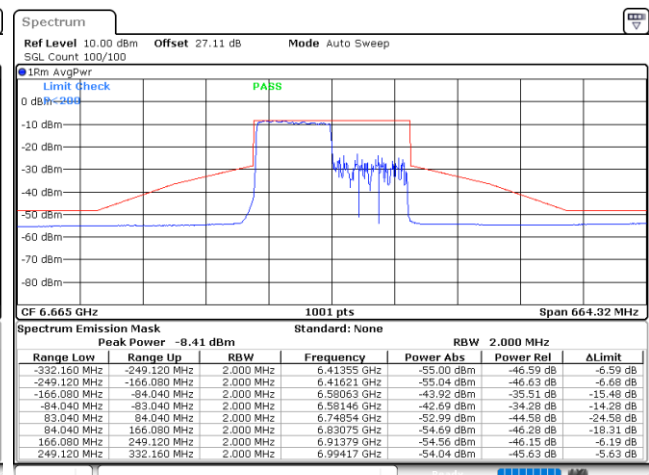
Date: 22.SEP.2023 21:43:41

Plot on Channel 6505 MHz



Date: 22.SEP.2023 21:46:55

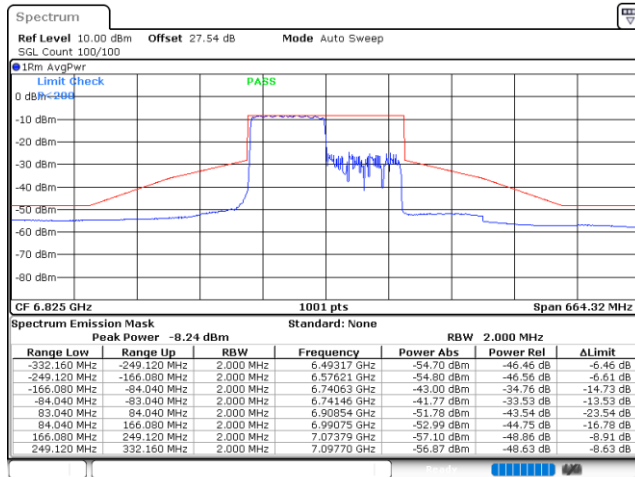
Plot on Channel 6665 MHz



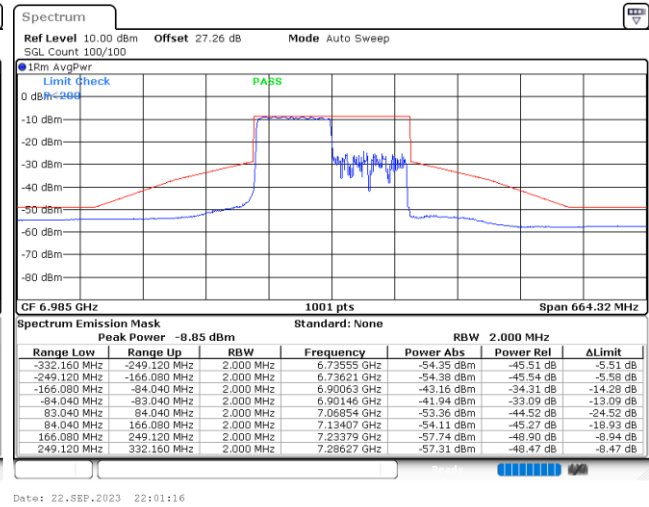
Date: 22.SEP.2023 21:49:23



Plot on Channel 6825 MHz



Plot on Channel 6985 MHz

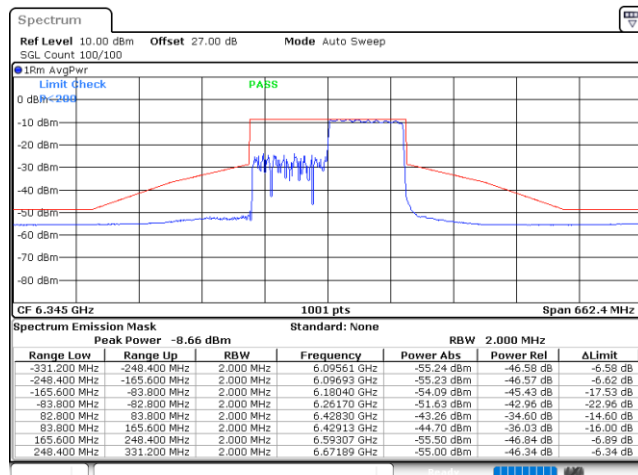




EUT Mode

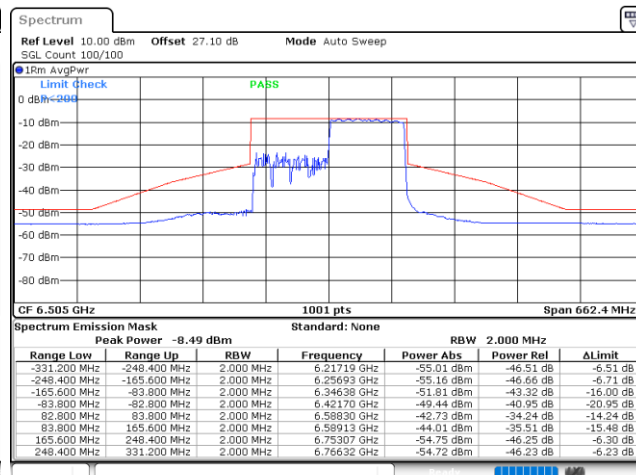
802.11ax HE160 996RUS67

Plot on Channel 6345 MHz



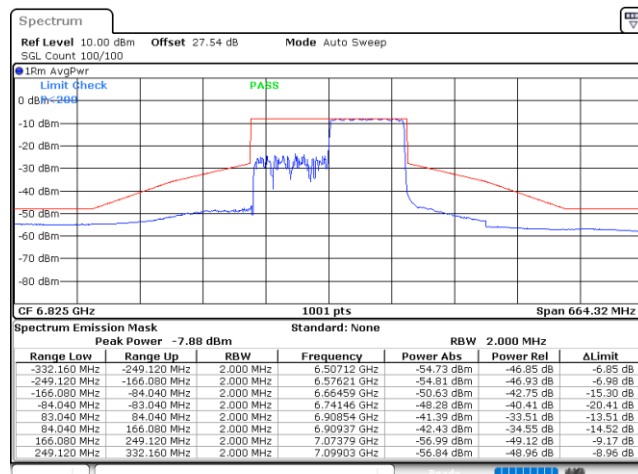
Date: 22.SEP.2023 21:45:10

Plot on Channel 6505 MHz



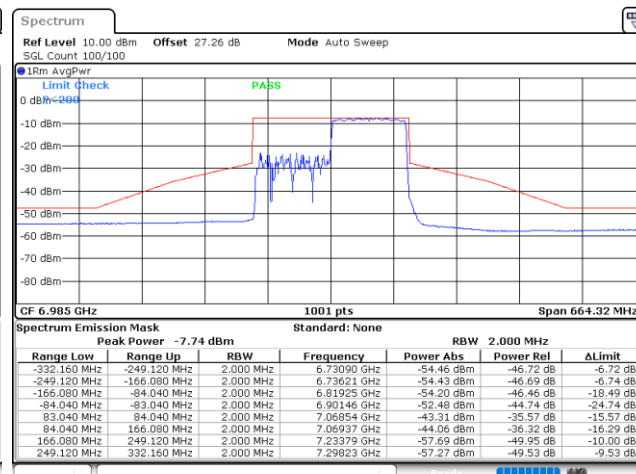
Date: 22.SEP.2023 21:47:57

Plot on Channel 6825 MHz



Date: 22.SEP.2023 21:55:26

Plot on Channel 6985 MHz



Date: 22.SEP.2023 22:03:20

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

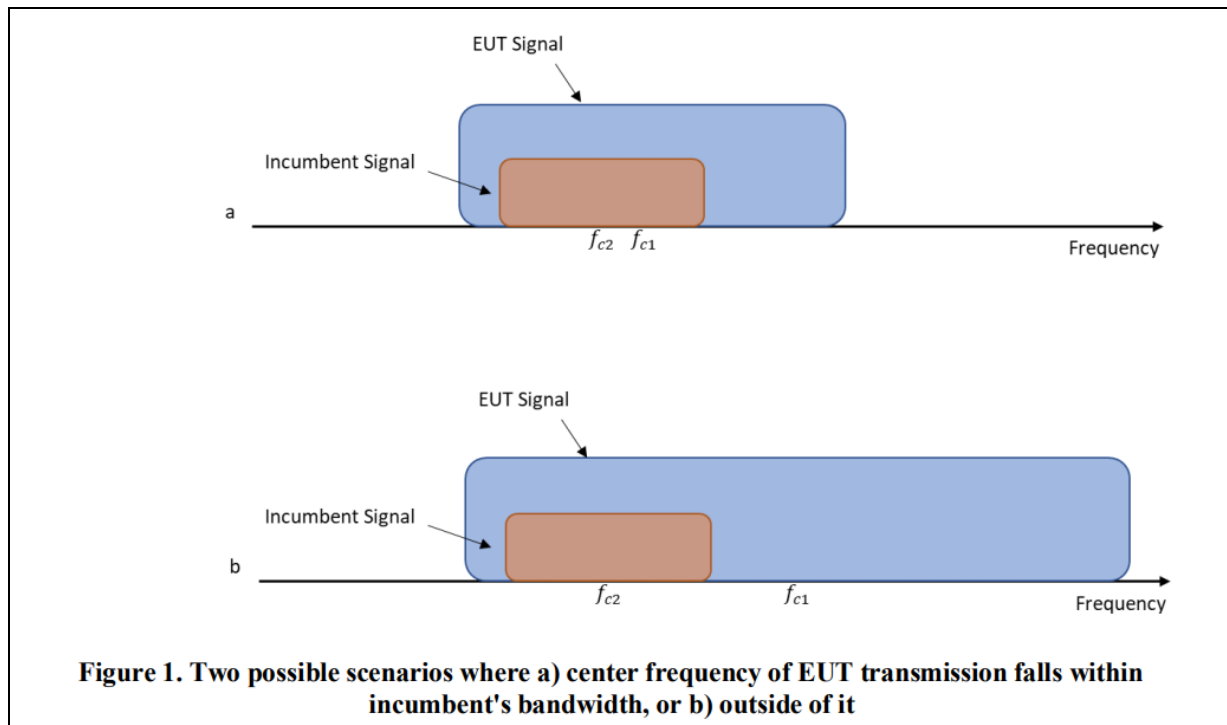
where:

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.

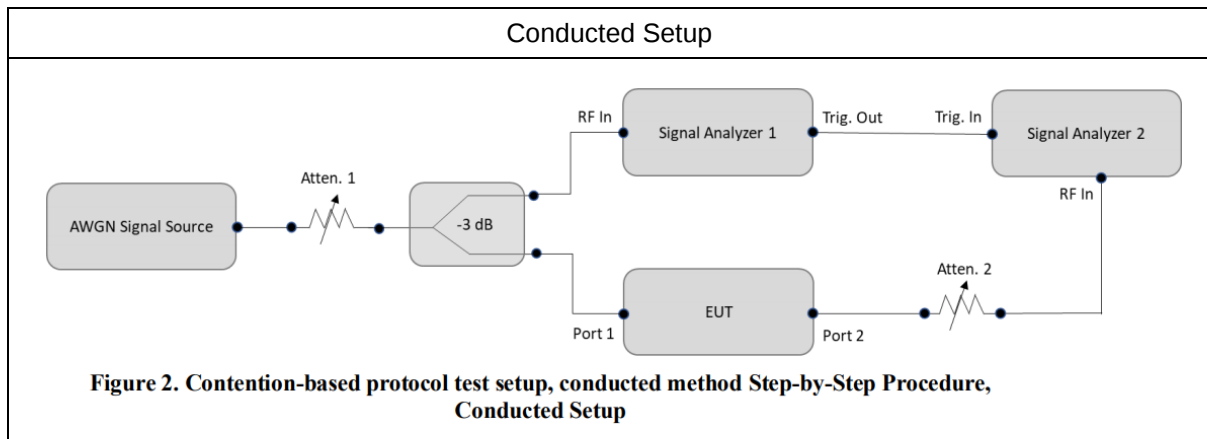
Section I) Contention Based Protocol

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	DELL	Latitude 3400	LAN

3.5.6 Minimum Antenna gain for Contention Based Protocol Test

CBP Antenna Gain	<UNII-5>: 3.40 dBi <UNII-6>: 3.30 dBi <UNII-7>: 2.60 dBi <UNII-8>: 1.90 dBi
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3.5.7 Test Summary of Contention Based Protocol Test

Test Engineer :	Kai Liao	Temperature :	24~26°C
		Relative Humidity :	45~50%

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	-68.67	100	-62	-72.07	10.07
				Result: Stop Transmission				
				-74.67	< 90	-62	-78.07	16.07
				Result: Minimal Operation				
				-75.67	0	-62	-79.07	17.07
				Result: Normal Operation				
	6185	160	6110	-60.28	100	-62	-63.68	1.68
				Result: Stop Transmission				
				-67.28	< 90	-62	-70.68	8.68
				Result: Minimal Operation				
				-68.28	0	-62	-71.68	9.68
				Result: Normal Operation				
			6185	-59.57	100	-62	-62.97	0.97
				Result: Stop Transmission				
				-61.57	< 90	-62	-64.97	2.97
				Result: Minimal Operation				
				-62.57	0	-62	-65.97	3.97
				Result: Normal Operation				
			6260	-60.57	100	-62	-63.97	1.97
				Result: Stop Transmission				
				-66.57	< 90	-62	-60.97	7.97
				Result: Minimal Operation				
				-67.57	0	-62	-70.97	8.97
				Result: Normal Operation				

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.4 dBi).

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

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



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 6	6455	20	6455	-67.85	100	-62	-71.15	9.15
				Result: Stop Transmission				
				-74.85	< 90	-62	-78.15	16.15
				Result: Minimal Operation				
				-75.85	0	-62	-79.15	17.15
				Result: Normal Operation				
	6505	160	6430	-58.89	100	-62	-62.19	0.19
				Result: Stop Transmission				
				-65.89	< 90	-62	-69.19	7.19
				Result: Minimal Operation				
				-66.89	0	-62	-70.19	8.19
				Result: Normal Operation				
			6505	-59.01	100	-62	-62.31	0.31
				Result: Stop Transmission				
				-60.01	< 90	-62	-63.31	1.31
				Result: Minimal Operation				
				-61.01	0	-62	-64.31	2.31
				Result: Normal Operation				
			6580	-59.08	100	-62	-62.38	0.38
				Result: Stop Transmission				
				-65.08	< 90	-62	-68.38	6.38
				Result: Minimal Operation				
				-66.08	0	-62	-69.38	7.38
				Result: Normal Operation				

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.3 dBi).

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

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



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 7	6695	20	6695	-70.55	100	-62	-73.15	11.15
				Result: Stop Transmission				
				-76.55	< 90	-62	-79.15	17.15
				Result: Minimal Operation				
				-77.55	0	-62	-80.15	18.15
				Result: Normal Operation				
	6665	160	6590	-60.52	100	-62	-63.12	1.12
				Result: Stop Transmission				
				-68.52	< 90	-62	-71.12	9.12
				Result: Minimal Operation				
				-69.52	0	-62	-72.12	10.12
				Result: Normal Operation				
			6665	-61.57	100	-62	-64.17	2.17
				Result: Stop Transmission				
				-64.57	< 90	-62	-67.17	5.17
				Result: Minimal Operation				
				-65.57	0	-62	-68.17	6.17
				Result: Normal Operation				
			6740	-60.60	100	-62	-63.20	1.20
				Result: Stop Transmission				
				-68.60	< 90	-62	-71.20	9.20
				Result: Minimal Operation				
				-69.60	0	-62	-72.20	10.20
				Result: Normal Operation				

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (2.6 dBi).

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

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



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-69.90	100	-62	-71.80	9.8
				Result: Stop Transmission				
				-76.90	< 90	-62	-78.80	16.80
				Result: Minimal Operation				
				-77.90	0	-62	-79.80	17.80
				Result: Normal Operation				
	6985	160	6910	-63.26	100	-62	-65.16	3.16
				Result: Stop Transmission				
				-67.26	< 90	-62	-69.16	7.16
				Result: Minimal Operation				
				-68.26	0	-62	-70.16	8.66
				Result: Normal Operation				
			6985	-60.27	100	-62	-62.17	0.17
				Result: Stop Transmission				
				-62.27	< 90	-62	-64.17	2.17
				Result: Minimal Operation				
				-63.27	0	-62	-65.17	3.17
				Result: Normal Operation				
			7060	-62.96	100	-62	-64.86	2.86
				Result: Stop Transmission				
				-66.96	< 90	-62	-68.86	6.86
				Result: Minimal Operation				
				-67.96	0	-62	-69.86	7.86
				Result: Normal Operation				

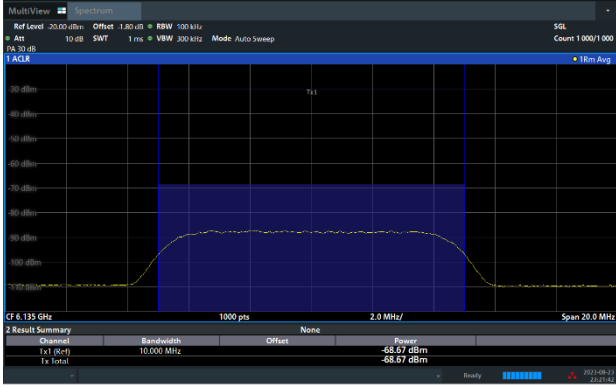
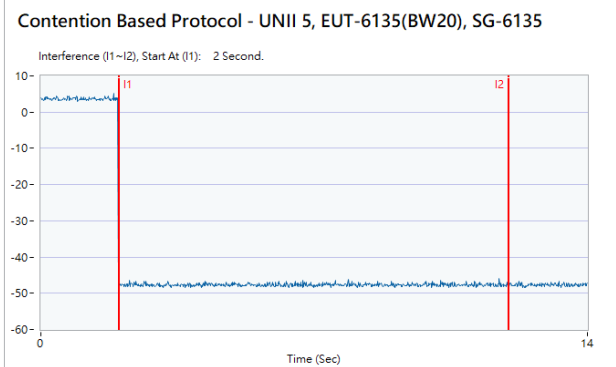
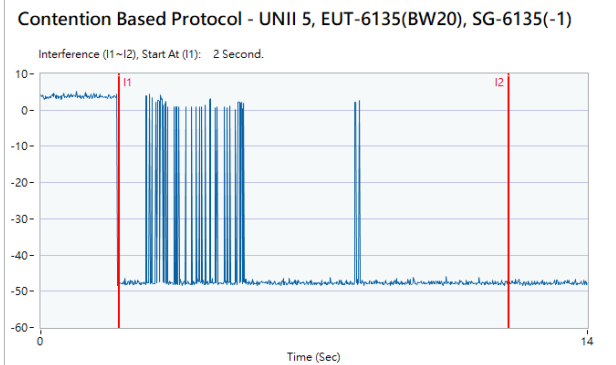
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (1.9 dBi).

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

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



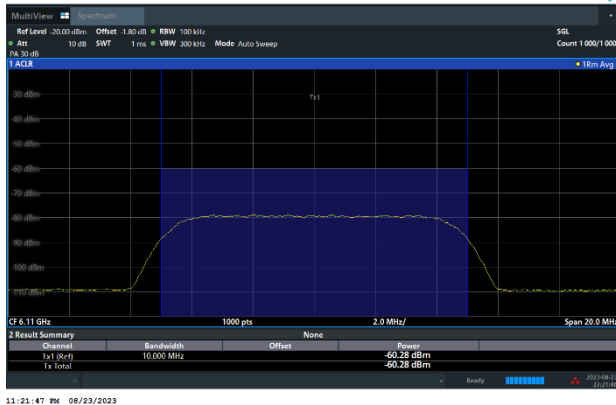
3.5.8 Test Plots of Contention Based Protocol Test

Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -68.67dBm	802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -69.67dBm	802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.
	

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

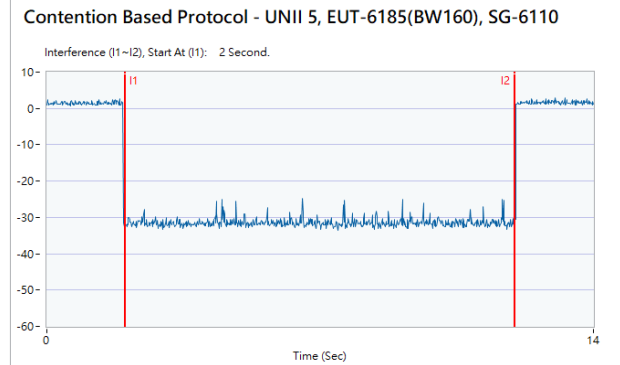
802.11ax (HE160) / 6110MHz (Lower edge)

Threshold Level (TL) = -60.28dBm



802.11ax (HE160) / CH47 (Lower edge)

Test result is pass due to no transmission occur.

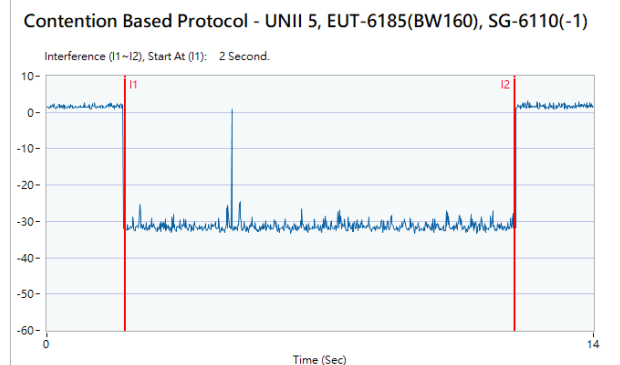


802.11ax (HE160) / 6110MHz (Lower edge)

Threshold Level (TL) = -61.28dBm

802.11ax (HE160) / CH47 (Lower edge)

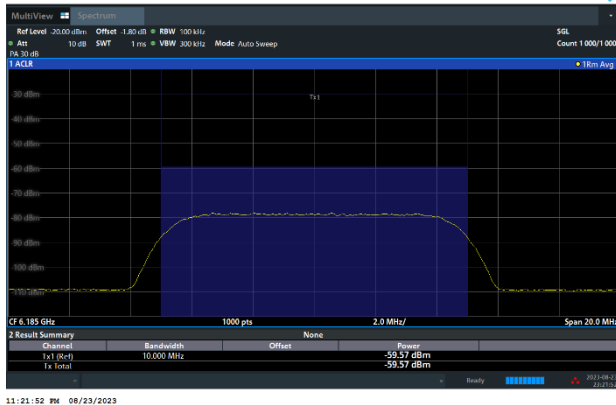
Transmit when the interferer is 1dB lower.



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

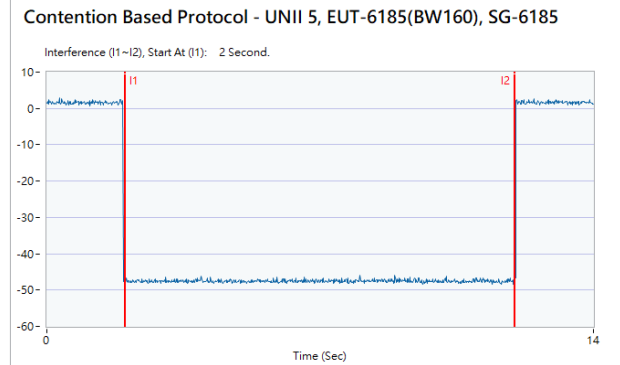
802.11ax (HE160) / 6185MHz (Middle)

Threshold Level (TL) = -59.57dBm



802.11ax (HE160) / CH47 (Middle)

Test result is pass due to no transmission occur.

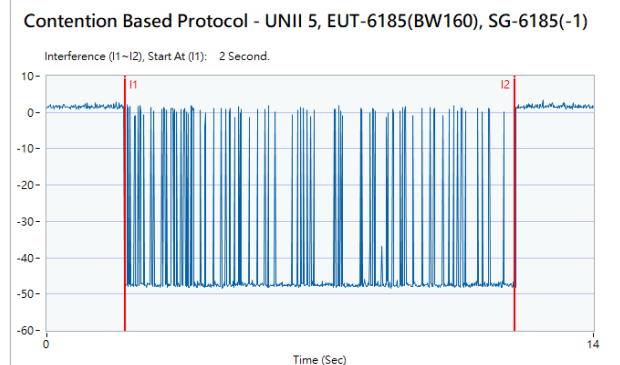


802.11ax (HE160) / 6185MHz (Middle)

Threshold Level (TL) = -60.57dBm

802.11ax (HE160) / CH47 (Middle)

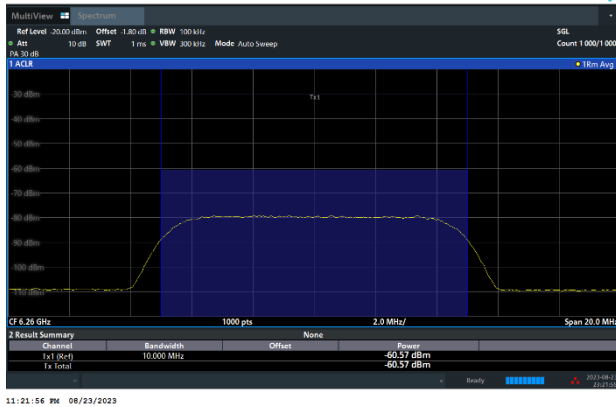
Transmit when the interferer is 1dB lower.





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

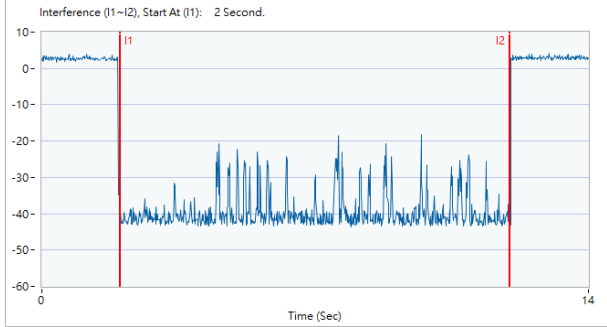
802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -60.57dBm



802.11ax (HE160) / CH47 (Upper edge)

Test result is pass due to no transmission occur.

Contention Based Protocol - UNII 5, EUT-6185(BW160), SG-6260



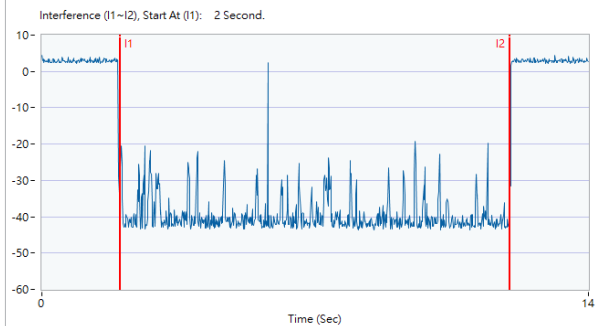
802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -61.57dBm



802.11ax (HE160) / CH47 (Upper edge)

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 5, EUT-6185(BW160), SG-6260(-1)

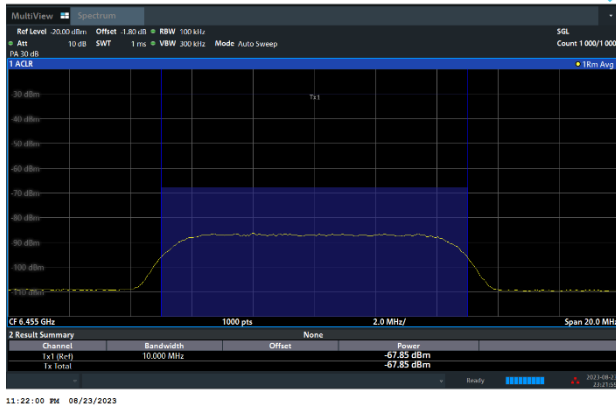




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE20) / 6455MHz

Threshold Level (TL) = -67.85dBm

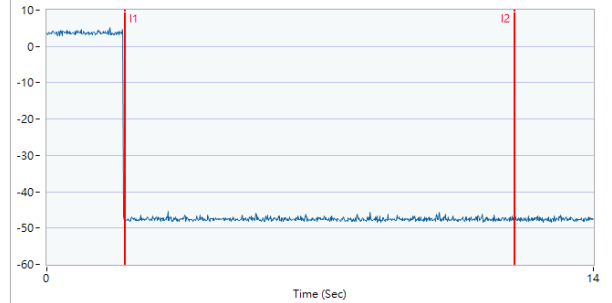


802.11ax (HE20) / CH101

Test result is pass due to no transmission occur.

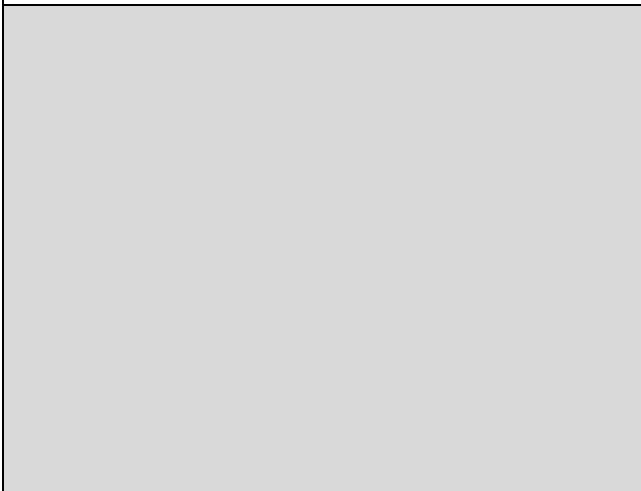
Contention Based Protocol - UNII 6, EUT-6455(BW20), SG-6455

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



802.11ax (HE20) / 6455MHz

Threshold Level (TL) = -68.85dBm

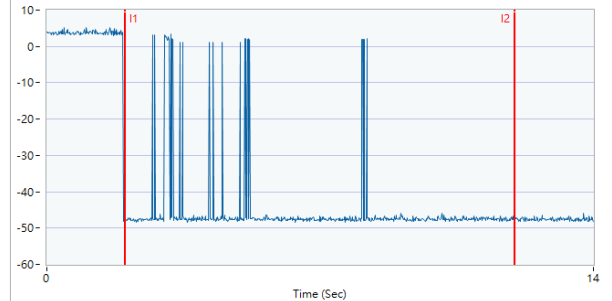


802.11ax (HE20) / CH101

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 6, EUT-6455(BW20), SG-6455(-1)

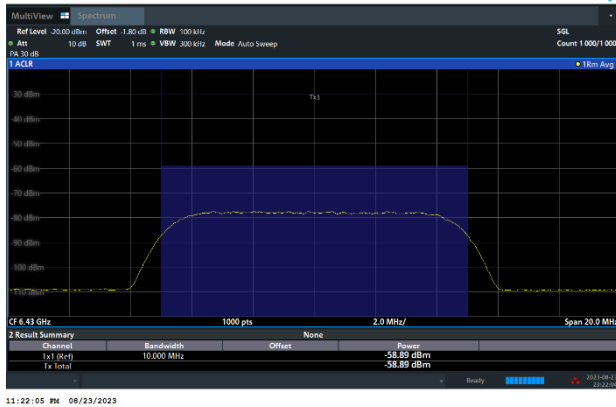
Interference (I1~I2), Start At (I1): 2 Second.



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

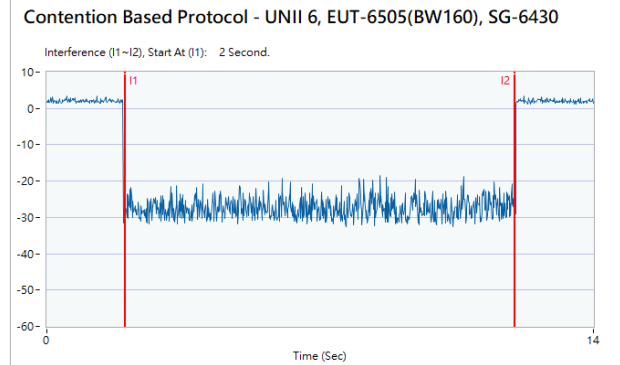
802.11ax (HE160) / 6430MHz (Lower edge)

Threshold Level (TL) = -58.89dBm



802.11ax (HE160) / CH111 (Lower edge)

Test result is pass due to no transmission occur.

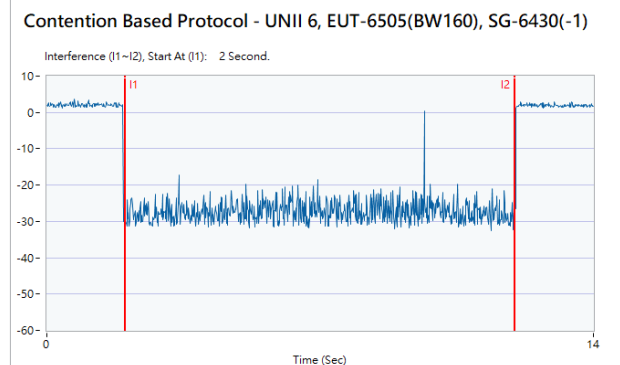


802.11ax (HE160) / 6430MHz (Lower edge)

Threshold Level (TL) = -59.89dBm

802.11ax (HE160) / CH111 (Lower edge)

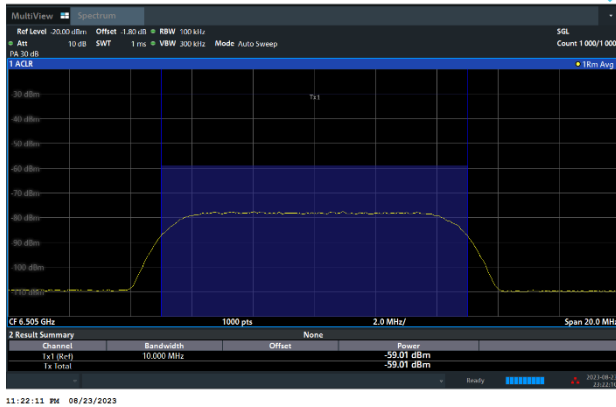
Transmit when the interferer is 1dB lower.



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

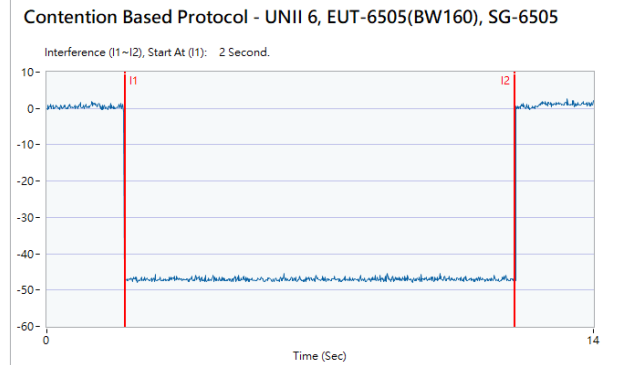
802.11ax (HE160) / 6505MHz (Middle)

Threshold Level (TL) = -59.01dBm



802.11ax (HE160) / CH111 (Middle)

Test result is pass due to no transmission occur.

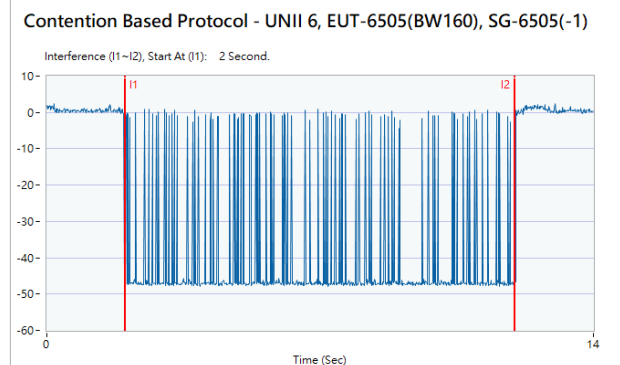


802.11ax (HE160) / 6505MHz (Middle)

Threshold Level (TL) = -60.01dBm

802.11ax (HE160) / CH111 (Middle)

Transmit when the interferer is 1dB lower.

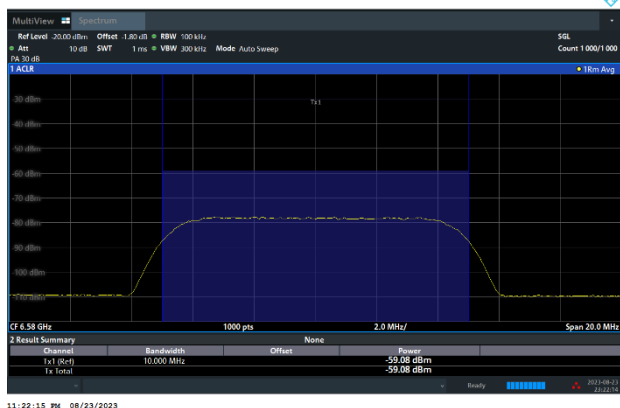




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE160) / 6580MHz (Upper edge)

Threshold Level (TL) = -59.08dBm

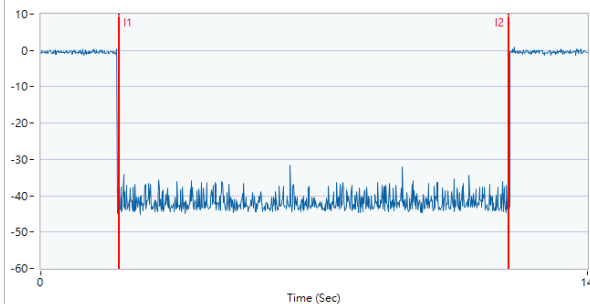


802.11ax (HE160) / CH111 (Upper edge)

Test result is pass due to no transmission occur.

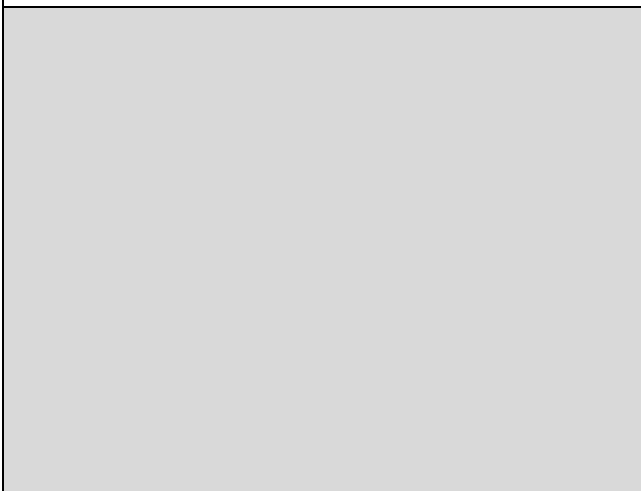
Contention Based Protocol - UNII 6, EUT-6505(BW160), SG-6580

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



802.11ax (HE160) / 6580MHz (Upper edge)

Threshold Level (TL) = -60.08dBm

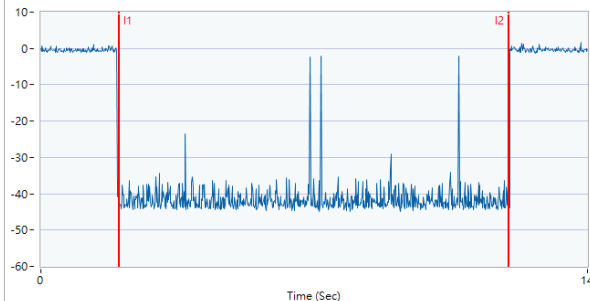


802.11ax (HE160) / CH111 (Upper edge)

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 6, EUT-6505(BW160), SG-6580(-1)

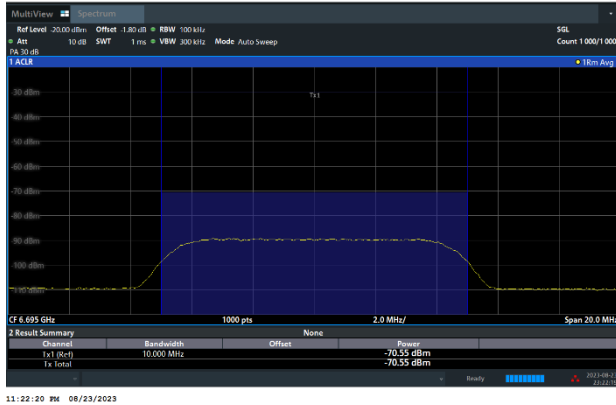
Interference (I1~I2), Start At (I1): 2 Second.





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

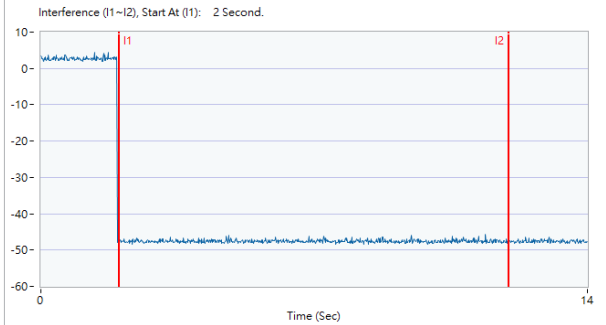
802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -70.55dBm



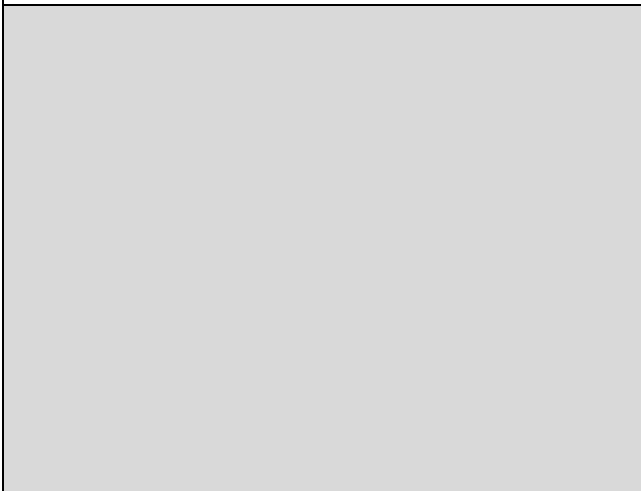
802.11ax (HE20) / CH149

Test result is pass due to no transmission occur.

Contention Based Protocol - UNII 7, EUT-6695(BW20), SG-6695



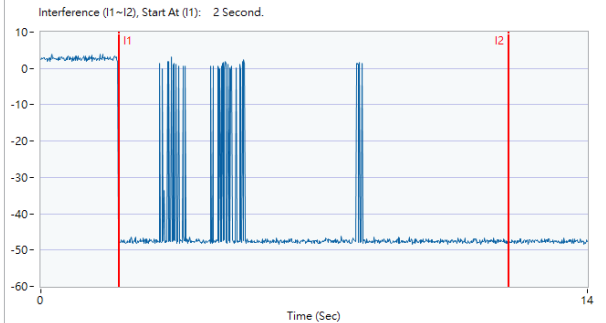
802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -71.55dBm



802.11ax (HE20) / CH149

Transmit when the interferer is 1dB lower.

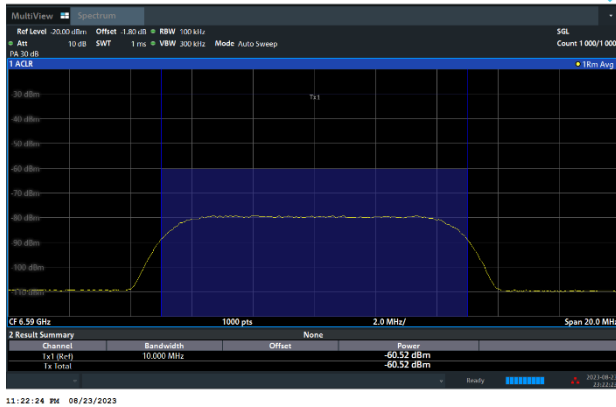
Contention Based Protocol - UNII 7, EUT-6695(BW20), SG-6695(-1)



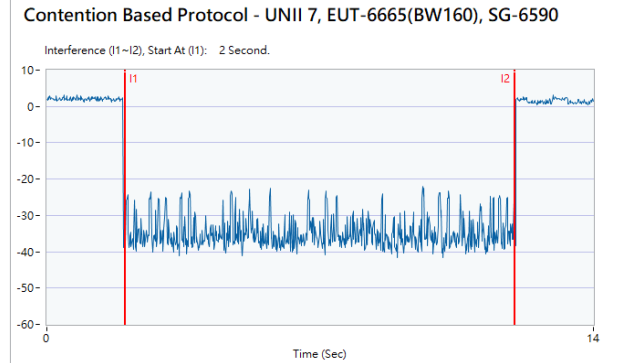


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

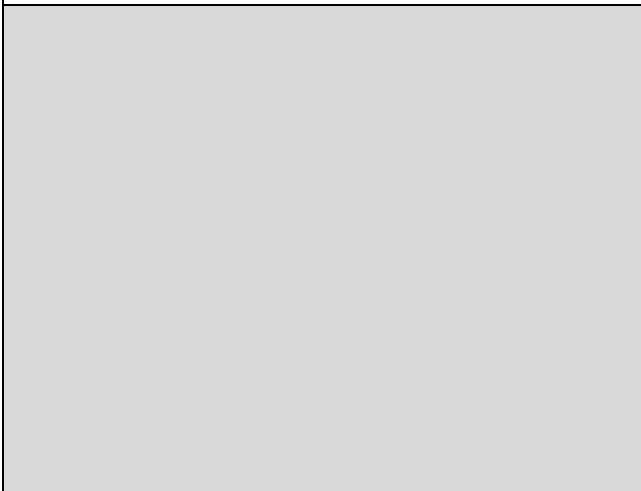
802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -60.52dBm



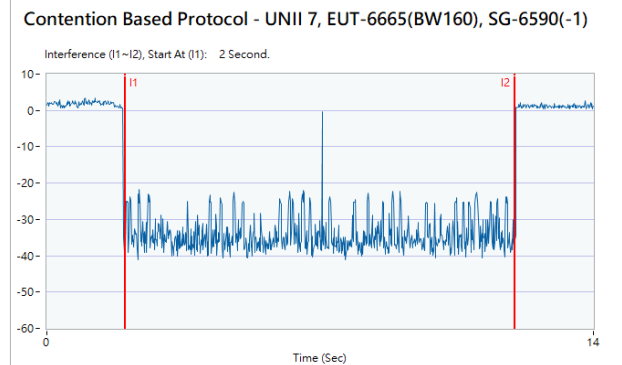
802.11ax (HE160) / CH143 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -61.52dBm



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

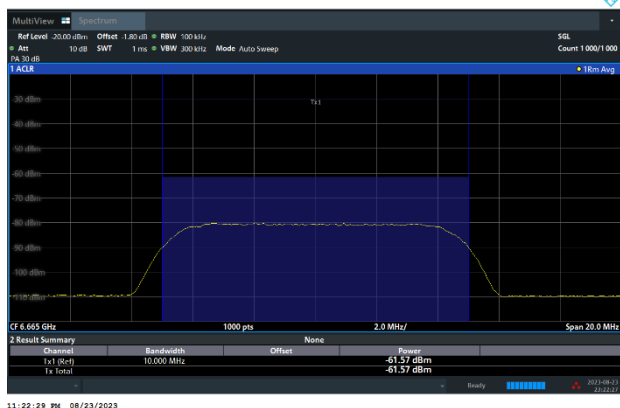




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11ax (HE160) / 6665MHz (Middle)

Threshold Level (TL) = -61.57dBm

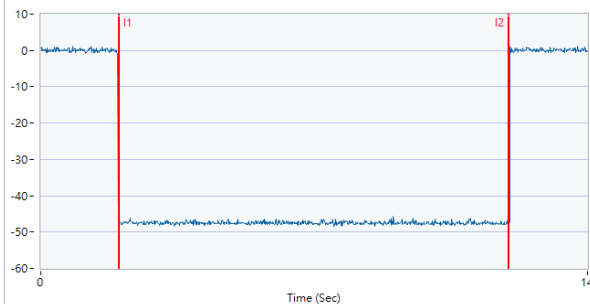


802.11ax (HE160) / CH143 (Middle)

Test result is pass due to no transmission occur.

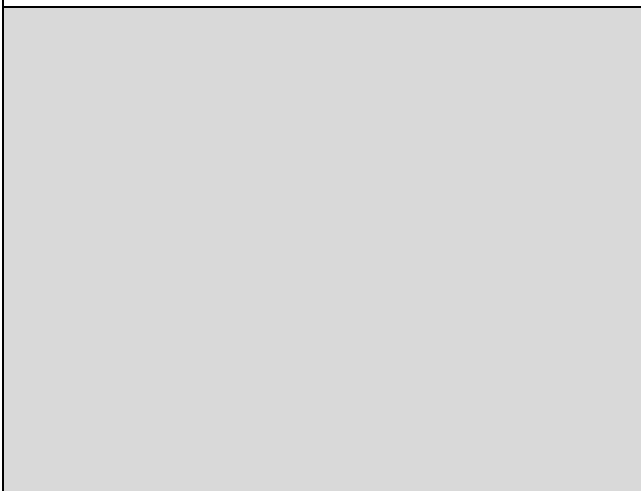
Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6665

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



802.11ax (HE160) / 6665MHz (Middle)

Threshold Level (TL) = -62.57dBm

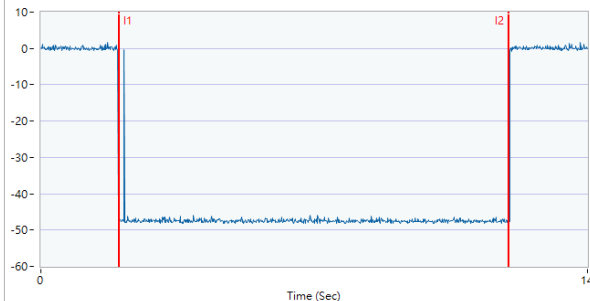


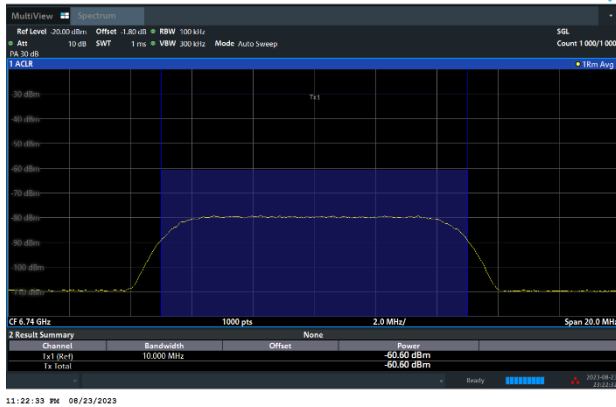
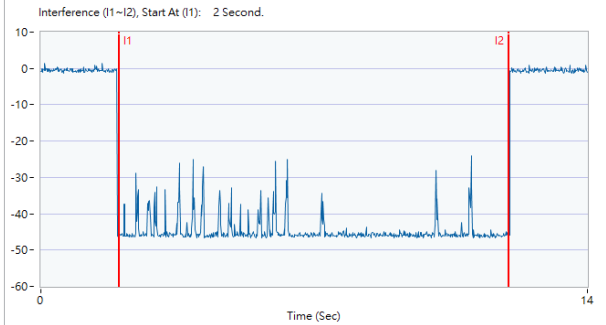
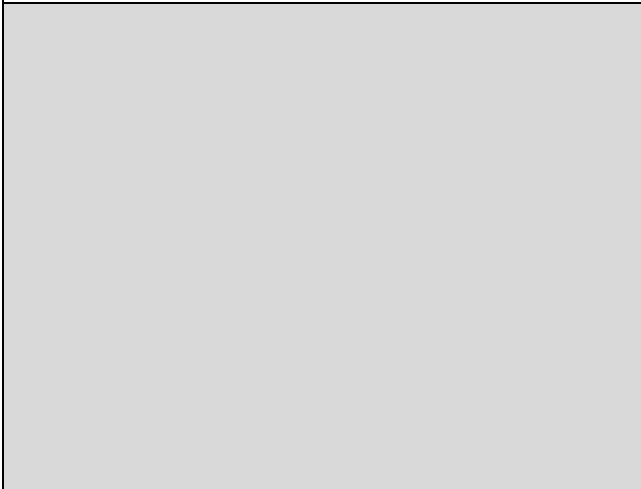
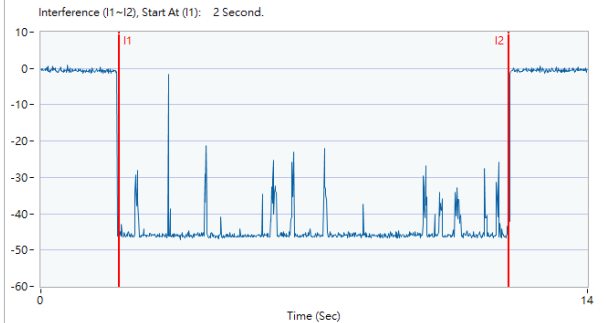
802.11ax (HE160) / CH143 (Middle)

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6665(-1)

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



**Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)****802.11ax (HE160) / 6740MHz (Upper edge)****Threshold Level (TL) = -60.60dBm****802.11ax (HE160) / CH143 (Upper edge)****Test result is pass due to no transmission occur.****Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6740****802.11ax (HE160) / 6740MHz (Upper edge)****Threshold Level (TL) = -61.60dBm****802.11ax (HE160) / CH143 (Upper edge)****Transmit when the interferer is 1dB lower.****Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6740(-1)**

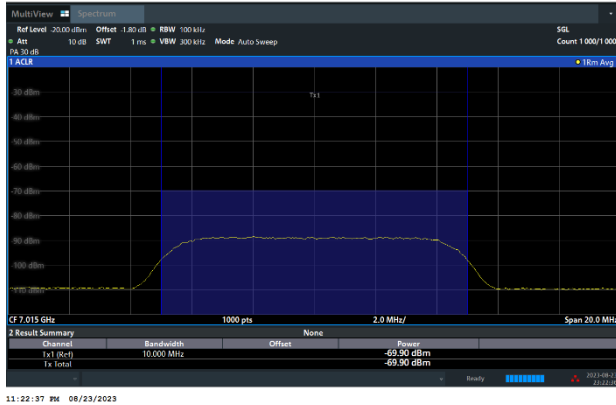


Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -69.90dBm

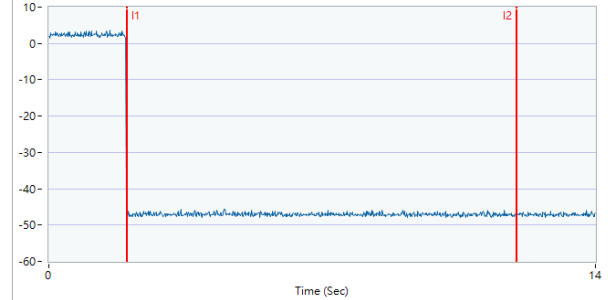
802.11ax (HE20) / CH213

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 8, EUT-7015(BW20), SG-7015

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



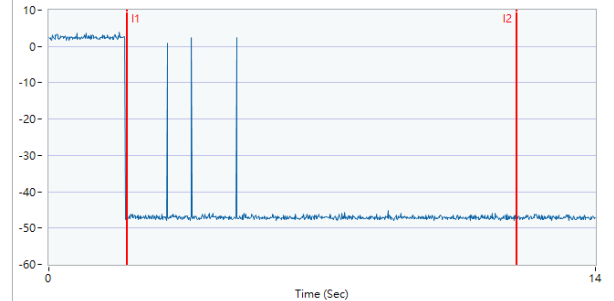
802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -70.90dBm

802.11ax (HE20) / CH213

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 8, EUT-7015(BW20), SG-7015(-1)

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

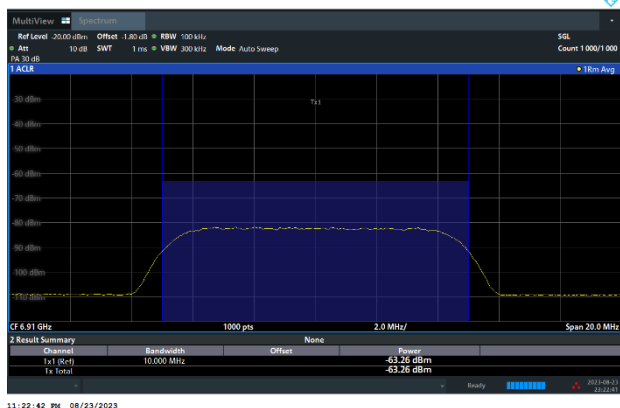




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

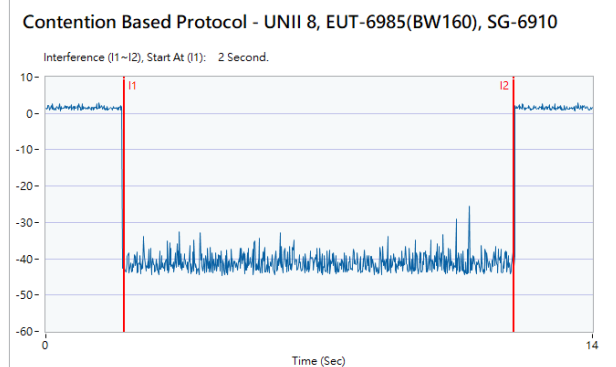
802.11ax (HE160) / 6910MHz (Lower edge)

Threshold Level (TL) = -63.26dBm



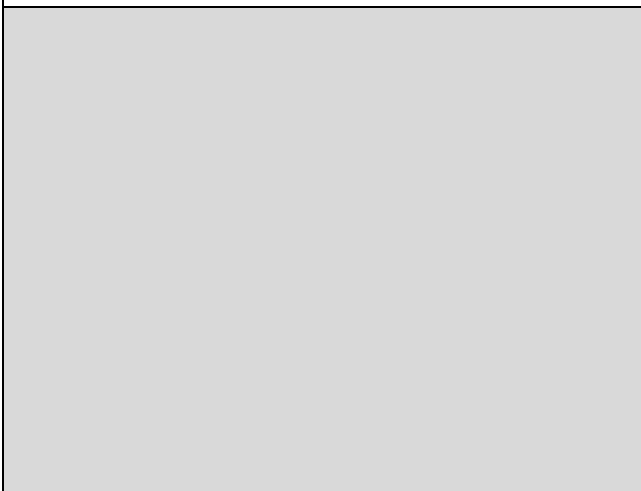
802.11ax (HE160) / CH207 (Lower edge)

Test result is pass due to no transmission occur.



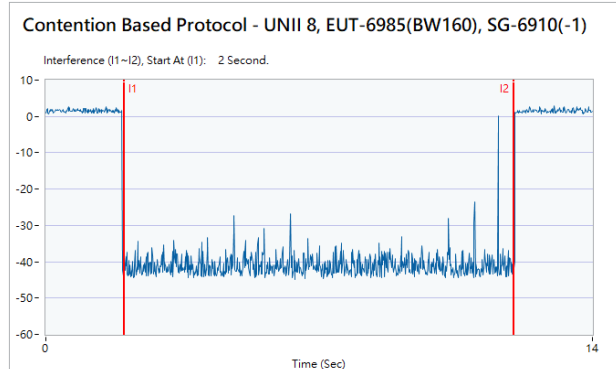
802.11ax (HE160) / 6910MHz (Lower edge)

Threshold Level (TL) = -64.26dBm



802.11ax (HE160) / CH207 (Lower edge)

Transmit when the interferer is 1dB lower.

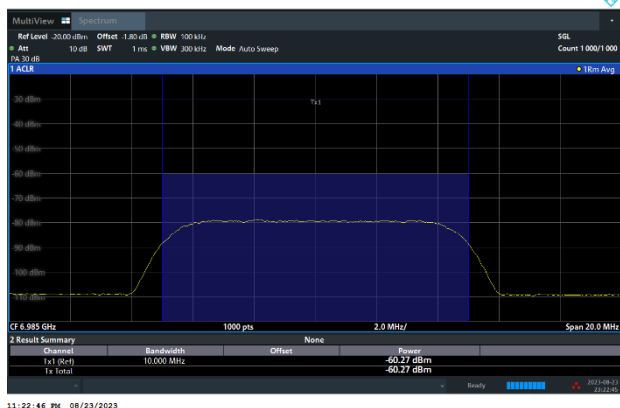




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11ax (HE160) / 6985MHz (Middle)

Threshold Level (TL) = -60.27dBm

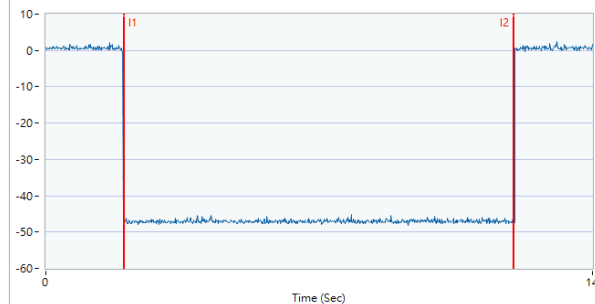


802.11ax (HE160) / CH207 (Middle)

Test result is pass due to no transmission occur.

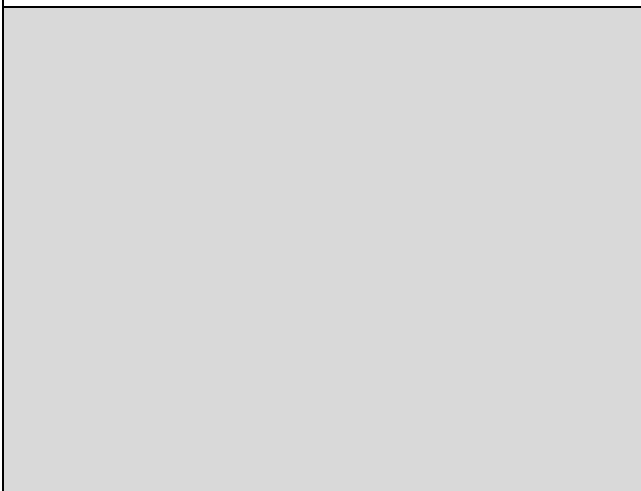
Contention Based Protocol - UNII 8, EUT-6985(BW160), SG-6985

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



802.11ax (HE160) / 6985MHz (Middle)

Threshold Level (TL) = -61.27dBm

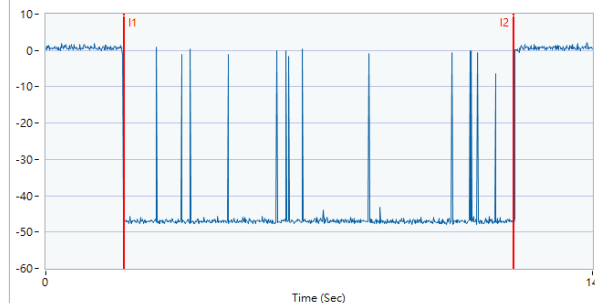


802.11ax (HE160) / CH207 (Middle)

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 8, EUT-6985(BW160), SG-6985(-1)

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

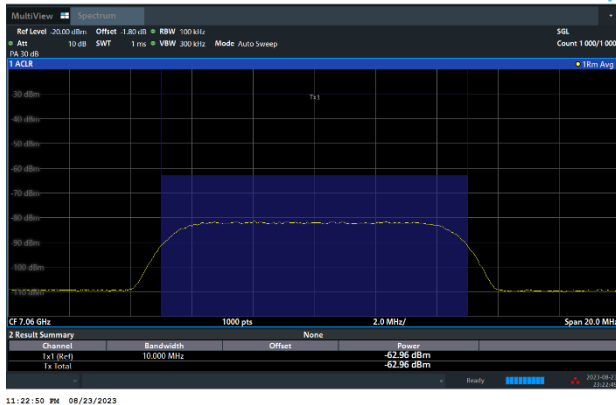




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11ax (HE160) / 7060MHz (Upper edge)

Threshold Level (TL) = -62.96dBm

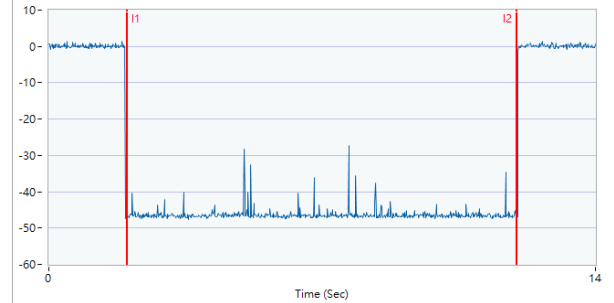


802.11ax (HE160) / CH207 (Upper edge)

Test result is pass due to no transmission occur.

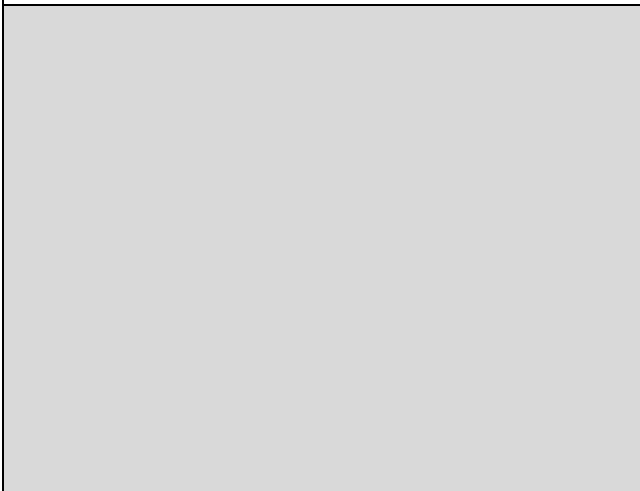
Contention Based Protocol - UNII 8, EUT-6985(BW160), SG-7060

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



802.11ax (HE160) / 7060MHz (Upper edge)

Threshold Level (TL) = -63.96dBm

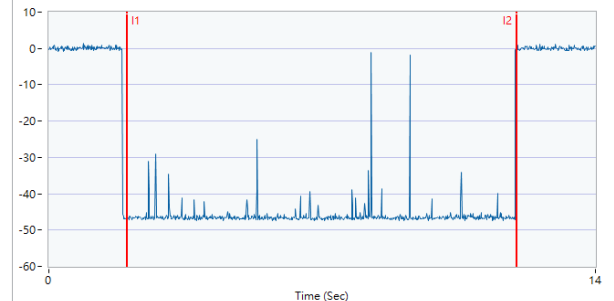


802.11ax (HE160) / CH207 (Upper edge)

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 8, EUT-6985(BW160), SG-7060(-1)

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



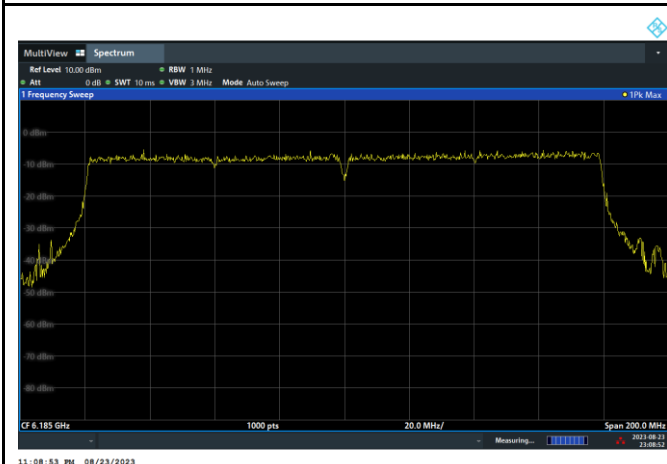
CBP verify with frequency domain plots

The device does not support channel puncturing & bandwidth reduction operation with regards to Contention Based Protocol.

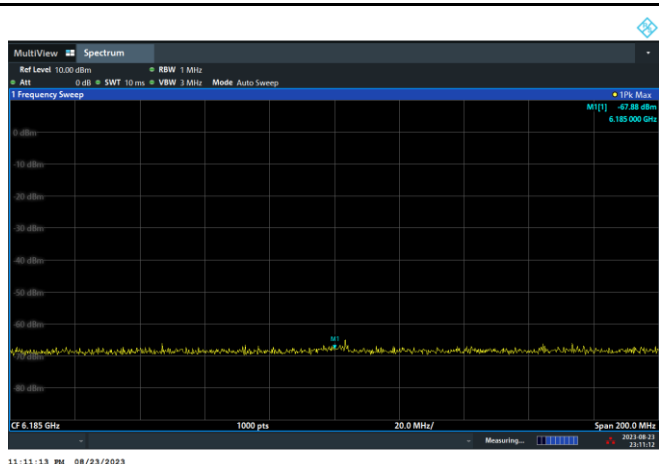
The entire bandwidth 160MHz stops transmission after the incumbent signal appears.

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

Before incumbent injected on 160MHz channel

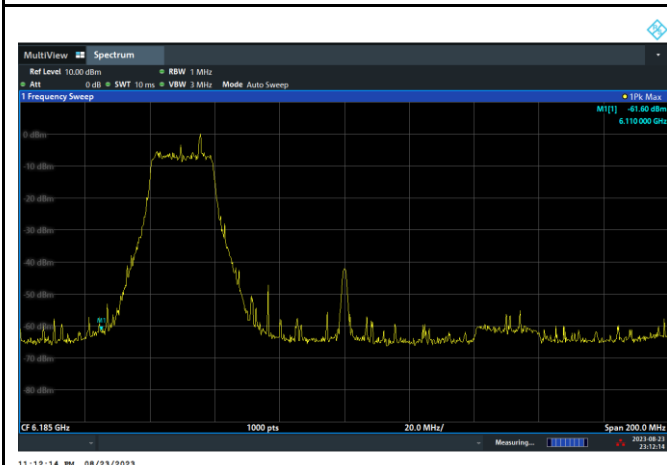


After 10MHz incumbent injected on center of channel, the entire 160MHz bandwidth stops transmission.



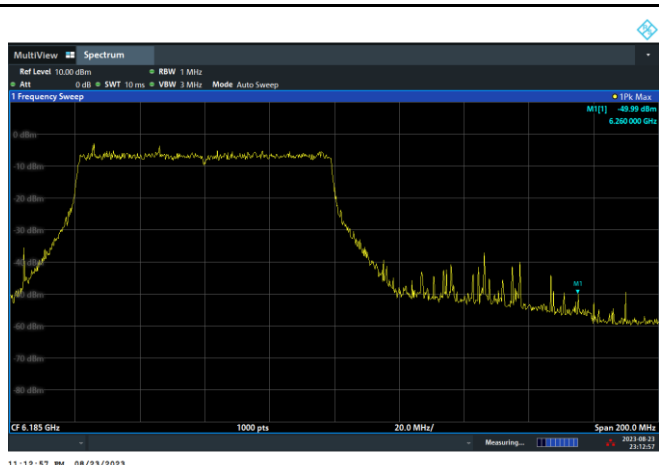
After 10MHz incumbent injected on bottom of channel, the EUT bandwidth is reduced from 160MHz to 20MHz channel after the incumbent is detected.

The emitted signal is from side lobe leakage of the 20MHz reduction bandwidth.



After 10MHz incumbent injected on top of channel, The EUT bandwidth is reduced from 160MHz to 80MHz channel after the incumbent is detected.

The emitted signal is from side lobe leakage of the 80MHz reduction bandwidth.



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.

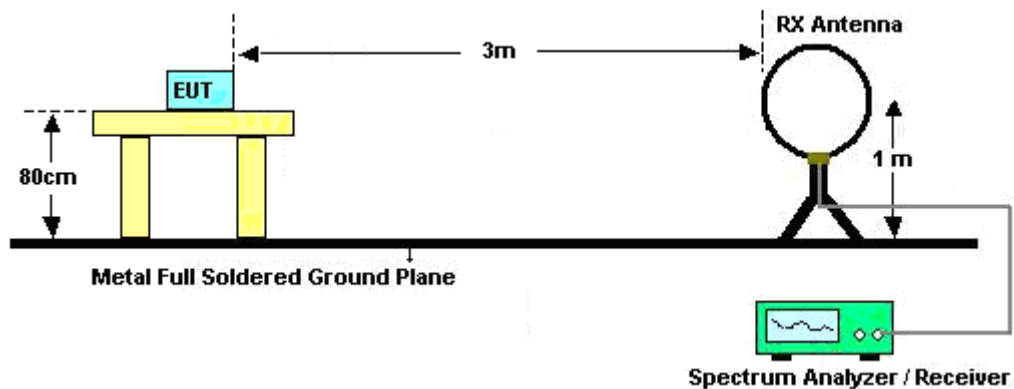
3.6.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.

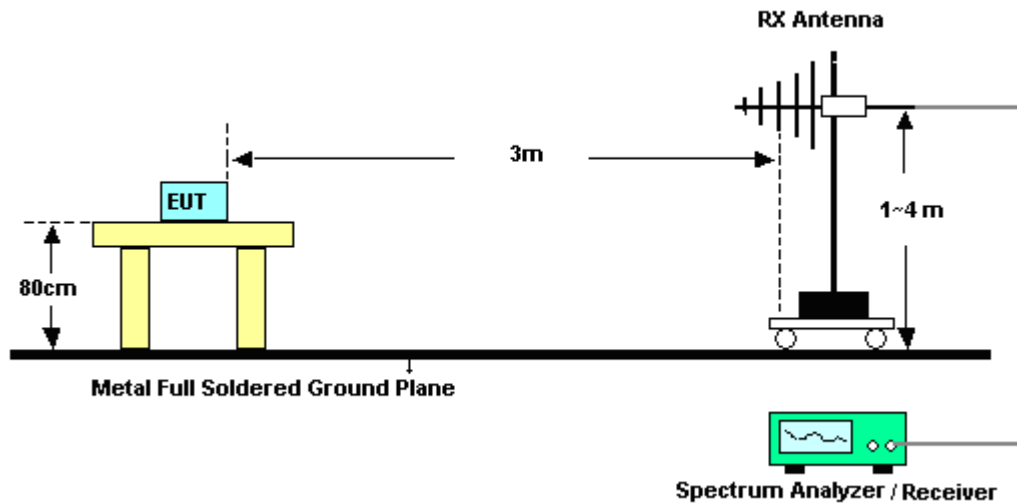
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with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

3.6.4 Test Setup

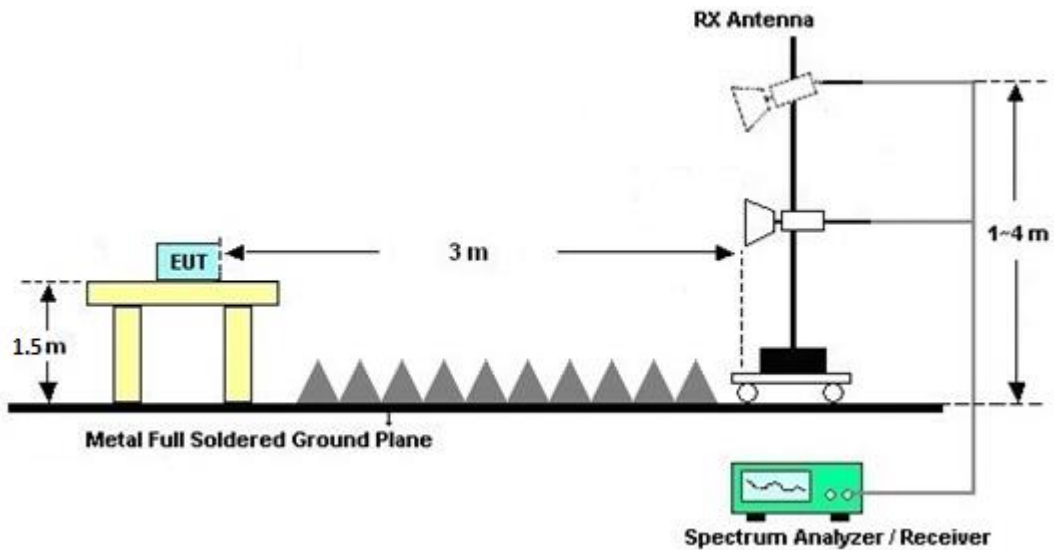
For radiated emissions below 30MHz



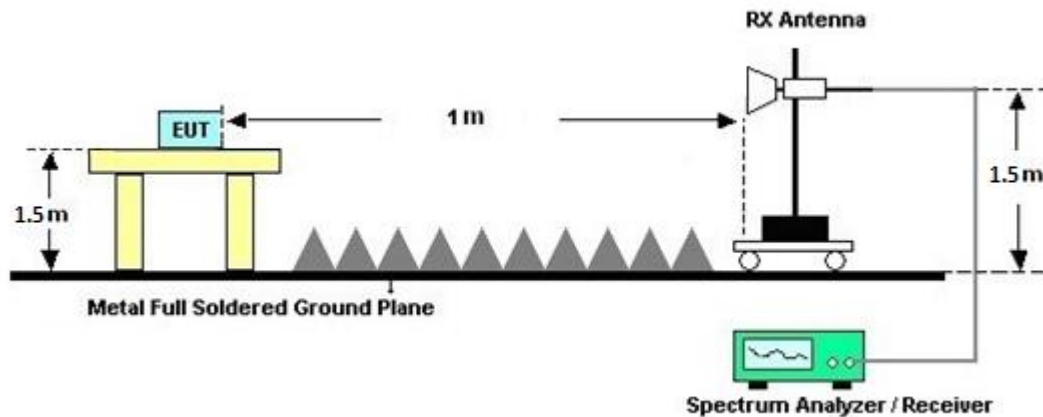
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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



3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.6.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

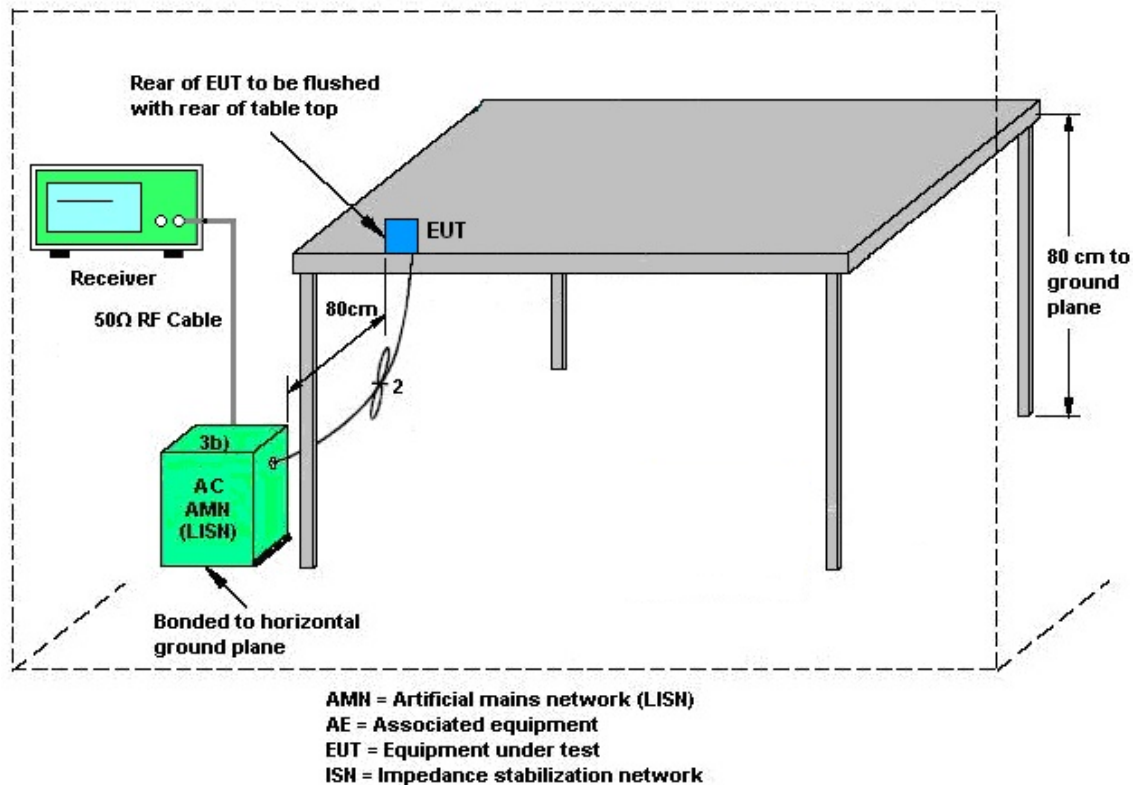
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

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

3.7.4 Test Setup



3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.8 Antenna Requirements

3.8.1 Standard Applicable

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

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A	MY59053012	N/A	Nov. 18, 2022	Aug. 02, 2023~ Sep. 14, 2023	Nov. 17, 2023	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Aug. 02, 2023~ Sep. 14, 2023	Sep. 19, 2023	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Aug. 02, 2023~ Sep. 14, 2023	Jun. 06, 2024	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 02, 2023~ Sep. 14, 2023	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 02, 2023~ Sep. 14, 2023	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 02, 2023~ Sep. 14, 2023	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 22, 2022	Aug. 02, 2023~ Sep. 14, 2023	Dec. 21, 2023	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 22, 2022	Aug. 02, 2023~ Sep. 14, 2023	Oct. 21, 2023	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 04, 2022	Aug. 02, 2023~ Sep. 14, 2023	Nov. 03, 2023	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jul. 10, 2023	Aug. 02, 2023~ Sep. 14, 2023	Jul. 09, 2024	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHZ-1000MHZ	Jan. 02, 2023	Aug. 02, 2023~ Sep. 14, 2023	Jan. 01, 2024	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 14, 2022	Aug. 02, 2023~ Sep. 14, 2023	Nov. 13, 2023	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 18, 2023	Aug. 02, 2023~ Sep. 14, 2023	Jan. 17, 2024	Radiation (03CH20-HY)
Hygrometer	TECEPEL	DTM-303B	TP200728	N/A	Mar. 28, 2023	Aug. 02, 2023~ Sep. 14, 2023	Mar. 27, 2024	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Aug. 02, 2023~ Sep. 14, 2023	N/A	Radiation (03CH20-HY)
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Jul. 26, 2023~ Sep. 04, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3008W	RPR8W-2101 001 (NO:75)	10MHz~8GHz	Aug. 29, 2022	Jul. 26, 2023~ Aug. 27, 2023	Aug. 28, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3008W	RPR8W-2101 001 (NO:146)	10MHz~8GHz	Feb. 07, 2023	Aug. 28, 2023~ Sep. 04, 2023	Feb. 06, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 13, 2022	Jul. 26, 2023~ Sep. 04, 2023	Sep. 12, 2023	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Dec. 23, 2022	Aug. 22, 2023~ Aug. 24, 2023	Dec. 22, 2023	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3013	101549	10Hz~13.6GHz	Jan. 31, 2023	Aug. 22, 2023~ Aug. 24, 2023	Jan. 30, 2024	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A 1	0.5GHz-18GHz	Calibration from System	Aug. 22, 2023~ Aug. 24, 2023	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divider Rated to 20W	STI08-0010(# 2)	2GHz-8GHz	Calibration from System	Aug. 22, 2023~ Aug. 24, 2023	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	0120A0405180 10	DCMB1CW3 A7	0.5-18GHz	Calibration from System	Aug. 22, 2023~ Aug. 24, 2023	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A 1	0.5-18GHz	Calibration from System	Aug. 22, 2023~ Aug. 24, 2023	Calibration from System	CBP (DF02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 27, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	Jul. 27, 2023	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	Jul. 27, 2023	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2022	Jul. 27, 2023	Nov. 30, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	Jul. 27, 2023	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jul. 27, 2023	N/A	Conduction (CO05-HY)
ISN Cable	MVE	RG-400	200260	N/A	Dec. 29, 2022	Jul. 27, 2023	Dec. 28, 2023	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 01, 2022	Jul. 27, 2023	Oct. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Jul. 27, 2023	Dec. 28, 2023	Conduction (CO05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.50 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.50 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.30 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.80 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.40 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	21~25	°C
Test Date:	2023/7/26~2023/9/4	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	001	5955	16.48	16.43	19.68	19.62	320.00	Pass
11a	6Mbps	2	049	6195	16.48	16.43	19.80	19.44	320.00	Pass
11a	6Mbps	2	093	6415	16.43	16.38	19.74	19.56	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2			
11a	6Mbps	2	001	5955	0.30	0.30	3.31	4.00		7.31	24.00	Pass
11a	6Mbps	2	049	6195	0.00	0.30	3.16	4.00		7.16	24.00	Pass
11a	6Mbps	2	093	6415	0.30	0.30	3.31	4.00		7.31	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
11a	6Mbps	2	001	5955	0.00	0.00			-8.40	7.01		-1.39	-1.00	Pass
11a	6Mbps	2	049	6195	0.00	0.00			-8.37	7.01		-1.35	-1.00	Pass
11a	6Mbps	2	093	6415	0.00	0.00			-8.24	7.01		-1.23	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	097	6435	16.48	16.43	19.62	19.68	320.00	Pass
11a	6Mbps	2	105	6475	16.48	16.43	19.62	19.44	320.00	Pass
11a	6Mbps	2	113	6515	16.48	16.43	19.62	19.56	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2			
11a	6Mbps	2	097	6435	0.70	-0.10	3.33	4.00		7.33	24.00	Pass
11a	6Mbps	2	105	6475	0.20	0.50	3.36	4.00		7.36	24.00	Pass
11a	6Mbps	2	113	6515	0.80	0.20	3.52	4.00		7.52	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
11a	6Mbps	2	097	6435	0.00	0.00			-8.25	6.91		-1.34	-1.00	Pass
11a	6Mbps	2	105	6475	0.00	0.00			-8.05	6.91	-1.13	-1.00	Pass	
11a	6Mbps	2	113	6515	0.00	0.00			-8.08	6.91	-1.17	-1.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	117	6535	16.48	16.43	19.80	19.56	320.00	Pass
11a	6Mbps	2	149	6695	16.43	16.43	19.62	19.50	320.00	Pass
11a	6Mbps	2	181	6855	16.48	16.43	19.68	19.62	320.00	Pass

U-NII-7 straddle channel MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	185	6875	16.48	16.43	19.80	19.38	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2			
11a	6Mbps	2	117	6535	-0.20	-0.20	2.81	4.00		6.81	24.00	Pass
11a	6Mbps	2	149	6695	0.60	0.20	3.41	4.00		7.41	24.00	Pass
11a	6Mbps	2	181	6855	-0.30	0.20	2.97	4.00		6.97	24.00	Pass

U-NII-7 straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
11a	6Mbps	2	185	6875	-0.20	1.00	3.45	4.00		7.45	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
11a	6Mbps	2	117	6535	0.00	0.00			-8.52	7.01	-1.51	-1.00	Pass	
11a	6Mbps	2	149	6695	0.00	0.00			-8.24	7.01	-1.23	-1.00	Pass	
11a	6Mbps	2	181	6855	0.00	0.00			-8.54	7.01	-1.53	-1.00	Pass	

FCC U-NII-7 straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
11a	6Mbps	2	185	6875	0.00	0.00				-8.20	7.01	-1.19	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	189	6895	16.53	16.43	19.62	19.56	320.00	Pass
11a	6Mbps	2	209	6995	16.43	16.48	19.56	19.44	320.00	Pass
11a	6Mbps	2	229	7095	16.48	16.48	19.74	19.56	320.00	Pass
11a	6Mbps	2	233	7115	16.48	16.43	19.86	19.56	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2			
11a	6Mbps	2	189	6895	0.00	1.10	3.60	4.00		7.60	24.00	Pass
11a	6Mbps	2	209	6995	-0.30	0.90	3.35	4.00		7.35	24.00	Pass
11a	6Mbps	2	229	7095	-0.40	0.60	3.14	4.00		7.14	24.00	Pass
11a	6Mbps	2	233	7115	-0.40	0.50	3.08	4.00		7.08	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)		DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2		
11a	6Mbps	2	189	6895	0.00	0.00			-7.92	6.76	-1.16	-1.00	Pass
11a	6Mbps	2	209	6995	0.00	0.00			-8.22	6.76	-1.46	-1.00	Pass
11a	6Mbps	2	229	7095	0.00	0.00			-8.21	6.76	-1.44	-1.00	Pass
11a	6Mbps	2	233	7115	0.00	0.00			-8.28	6.76	-1.51	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	001	5955	Full	19.08	19.08	21.60	21.42	320.00	Pass
HE20	MCS0	2	049	6195	Full	19.03	19.08	21.42	21.18	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.03	19.03	21.48	21.36	320.00	Pass
HE40	MCS0	2	003	5965	Full	38.36	38.26	41.76	41.64	320.00	Pass
HE40	MCS0	2	051	6205	Full	38.26	38.16	41.88	41.64	320.00	Pass
HE40	MCS0	2	091	6405	Full	38.26	38.26	41.88	41.64	320.00	Pass
HE80	MCS0	2	007	5985	Full	77.44	77.32	82.56	82.56	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.44	77.44	83.28	82.32	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.20	77.44	83.04	82.80	320.00	Pass
HE160	MCS0	2	015	6025	Full	156.56	156.56	167.52	165.12	320.00	Pass
HE160	MCS0	2	047	6185	Full	156.56	156.56	167.04	166.08	320.00	Pass
HE160	MCS0	2	079	6345	Full	156.56	156.80	166.08	165.60	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2			
HE20	MCS0	2	001	5955	Full	1.00	1.00	4.01	4.00		8.01	24.00	Pass
HE20	MCS0	2	001	5955	26/0	-9.20	-8.90	-6.04	4.00		-2.04	24.00	Pass
HE20	MCS0	2	001	5955	52/37	-6.20	-6.10	-3.14	4.00		0.86	24.00	Pass
HE20	MCS0	2	001	5955	106/53	-3.20	-3.00	-0.09	4.00		3.91	24.00	Pass
HE20	MCS0	2	049	6195	Full	0.80	1.10	3.96	4.00		7.96	24.00	Pass
HE20	MCS0	2	049	6195	26/4	-8.50	-8.00	-5.23	4.00		-1.23	24.00	Pass
HE20	MCS0	2	049	6195	52/38	-6.30	-5.90	-3.09	4.00		0.91	24.00	Pass
HE20	MCS0	2	049	6195	106/53	-3.00	-2.60	0.21	4.00		4.21	24.00	Pass
HE20	MCS0	2	093	6415	Full	0.50	0.60	3.56	4.00		7.56	24.00	Pass
HE20	MCS0	2	093	6415	26/8	-9.50	-9.50	-6.49	4.00		-2.49	24.00	Pass
HE20	MCS0	2	093	6415	52/40	-6.50	-6.40	-3.44	4.00		0.56	24.00	Pass
HE20	MCS0	2	093	6415	106/53	-3.40	-3.50	-0.44	4.00		3.56	24.00	Pass
HE40	MCS0	2	003	5965	Full	3.60	4.00	6.81	4.00		10.81	24.00	Pass
HE40	MCS0	2	003	5965	242/61	0.80	1.00	3.91	4.00		7.91	24.00	Pass
HE40	MCS0	2	051	6205	Full	3.00	3.60	6.32	4.00		10.32	24.00	Pass
HE40	MCS0	2	051	6205	242/61	0.90	1.20	4.06	4.00		8.06	24.00	Pass
HE40	MCS0	2	091	6405	Full	3.40	3.10	6.26	4.00		10.26	24.00	Pass
HE40	MCS0	2	091	6405	242/62	1.00	1.10	4.06	4.00		8.06	24.00	Pass
HE80	MCS0	2	007	5985	Full	6.80	7.00	9.91	4.00		13.91	24.00	Pass
HE80	MCS0	2	007	5985	484/65	3.50	4.00	6.77	4.00		10.77	24.00	Pass
HE80	MCS0	2	055	6225	Full	6.20	6.40	9.31	4.00		13.31	24.00	Pass
HE80	MCS0	2	055	6225	484/65	3.10	3.80	6.47	4.00		10.47	24.00	Pass
HE80	MCS0	2	087	6385	Full	6.30	6.50	9.41	4.00		13.41	24.00	Pass
HE80	MCS0	2	087	6385	484/66	4.10	3.40	6.77	4.00		10.77	24.00	Pass
HE160	MCS0	2	015	6025	Full	9.40	9.90	12.67	4.00		16.67	24.00	Pass
HE160	MCS0	2	015	6025	996/67	6.90	6.90	9.91	4.00		13.91	24.00	Pass
HE160	MCS0	2	047	6185	Full	9.00	9.50	12.27	4.00		16.27	24.00	Pass
HE160	MCS0	2	047	6185	996/67	6.10	6.70	9.42	4.00		13.42	24.00	Pass
HE160	MCS0	2	079	6345	Full	9.00	9.40	12.21	4.00		16.21	24.00	Pass
HE160	MCS0	2	079	6345	996/S67	6.00	5.70	8.86	4.00		12.86	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE20	MCS0	2	001	5955	Full	0.00	0.00		-8.22	7.01		-1.21	-1.00	Pass	
HE20	MCS0	2	001	5955	26/0	0.00	0.00		-8.47	7.01		-1.45	-1.00	Pass	
HE20	MCS0	2	001	5955	52/37	0.00	0.00		-8.46	7.01		-1.45	-1.00	Pass	
HE20	MCS0	2	001	5955	106/53	0.00	0.00		-8.41	7.01		-1.40	-1.00	Pass	
HE20	MCS0	2	049	6195	Full	0.00	0.00		-8.19	7.01		-1.18	-1.00	Pass	
HE20	MCS0	2	049	6195	26/4	0.00	0.00		-8.47	7.01		-1.46	-1.00	Pass	
HE20	MCS0	2	049	6195	52/38	0.00	0.00		-8.36	7.01		-1.35	-1.00	Pass	
HE20	MCS0	2	049	6195	106/53	0.00	0.00		-8.33	7.01		-1.32	-1.00	Pass	
HE20	MCS0	2	093	6415	Full	0.00	0.00		-8.40	7.01		-1.39	-1.00	Pass	
HE20	MCS0	2	093	6415	26/8	0.00	0.00		-8.66	7.01		-1.65	-1.00	Pass	
HE20	MCS0	2	093	6415	52/40	0.00	0.00		-8.84	7.01		-1.83	-1.00	Pass	
HE20	MCS0	2	093	6415	106/53	0.00	0.00		-8.57	7.01		-1.56	-1.00	Pass	
HE40	MCS0	2	003	5965	Full	0.00	0.00		-8.29	7.01		-1.28	-1.00	Pass	
HE40	MCS0	2	003	5965	242/61	0.00	0.00		-8.57	7.01		-1.56	-1.00	Pass	
HE40	MCS0	2	051	6205	Full	0.00	0.00		-8.40	7.01		-1.39	-1.00	Pass	
HE40	MCS0	2	051	6205	242/61	0.00	0.00		-8.51	7.01		-1.50	-1.00	Pass	
HE40	MCS0	2	091	6405	Full	0.00	0.00		-8.30	7.01		-1.29	-1.00	Pass	
HE40	MCS0	2	091	6405	242/62	0.00	0.00		-8.44	7.01		-1.43	-1.00	Pass	
HE80	MCS0	2	007	5985	Full	0.00	0.00		-8.37	7.01		-1.36	-1.00	Pass	
HE80	MCS0	2	007	5985	484/65	0.00	0.00		-8.60	7.01		-1.59	-1.00	Pass	
HE80	MCS0	2	055	6225	Full	0.00	0.00	-8.39	7.01		-1.38	-1.00	Pass		
HE80	MCS0	2	055	6225	484/65	0.00	0.00	-8.86	7.01		-1.84	-1.00	Pass		
HE80	MCS0	2	087	6385	Full	0.00	0.00	-8.22	7.01		-1.21	-1.00	Pass		
HE80	MCS0	2	087	6385	484/66	0.00	0.00	-8.31	7.01		-1.29	-1.00	Pass		
HE160	MCS0	2	015	6025	Full	0.00	0.00	-8.47	7.01		-1.46	-1.00	Pass		
HE160	MCS0	2	015	6025	996/67	0.00	0.00	-8.57	7.01		-1.56	-1.00	Pass		
HE160	MCS0	2	047	6185	Full	0.00	0.00	-8.38	7.01		-1.37	-1.00	Pass		
HE160	MCS0	2	047	6185	996/67	0.05	0.05	-8.66	7.01		-1.65	-1.00	Pass		
HE160	MCS0	2	079	6345	Full	0.00	0.00	-8.14	7.01		-1.13	-1.00	Pass		
HE160	MCS0	2	079	6345	996/S67	0.05	0.05	-8.55	7.01		-1.54	-1.00	Pass		

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	097	6435	Full	19.08	19.08	21.42	21.42	320.00	Pass
HE20	MCS0	2	105	6475	Full	19.08	19.08	21.54	21.06	320.00	Pass
HE20	MCS0	2	113	6515	Full	19.13	19.08	21.48	21.84	320.00	Pass
HE40	MCS0	2	099	6445	Full	38.26	38.46	41.76	41.76	320.00	Pass
HE40	MCS0	2	107	6485	Full	38.16	38.26	41.76	41.88	320.00	Pass
HE80	MCS0	2	103	6465	Full	77.32	77.56	82.56	82.80	320.00	Pass

U-NII-6 straddle channel MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2		
HE40	MCS0	2	115	6525	Full	38.26	38.36	41.76	42.12	320.00	Pass
HE80	MCS0	2	119	6545	Full	77.32	77.56	83.04	83.04	320.00	Pass
HE160	MCS0	2	111	6505	Full	156.56	157.04	165.60	165.60	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2			
HE20	MCS0	2	097	6435	Full	1.30	0.80	4.07	4.00		8.07	24.00	Pass
HE20	MCS0	2	097	6435	26/0	-8.80	-9.20	-5.99	4.00		-1.99	24.00	Pass
HE20	MCS0	2	097	6435	52/37	-5.90	-6.20	-3.04	4.00		0.96	24.00	Pass
HE20	MCS0	2	097	6435	106/53	-2.70	-3.20	0.07	4.00		4.07	24.00	Pass
HE20	MCS0	2	105	6475	Full	0.40	0.70	3.56	4.00		7.56	24.00	Pass
HE20	MCS0	2	105	6475	26/4	-8.30	-7.80	-5.03	4.00		-1.03	24.00	Pass
HE20	MCS0	2	105	6475	52/38	-6.50	-6.20	-3.34	4.00		0.66	24.00	Pass
HE20	MCS0	2	105	6475	106/53	-3.20	-2.80	0.01	4.00		4.01	24.00	Pass
HE20	MCS0	2	113	6515	Full	1.10	0.50	3.82	4.00		7.82	24.00	Pass
HE20	MCS0	2	113	6515	26/8	-9.50	-9.30	-6.39	4.00		-2.39	24.00	Pass
HE20	MCS0	2	113	6515	52/40	-6.50	-6.60	-3.54	4.00		0.46	24.00	Pass
HE20	MCS0	2	113	6515	106/54	-3.30	-3.50	-0.39	4.00		3.61	24.00	Pass
HE40	MCS0	2	099	6445	Full	4.10	3.20	6.68	4.00		10.68	24.00	Pass
HE40	MCS0	2	099	6445	242/61	1.20	1.00	4.11	4.00		8.11	24.00	Pass
HE40	MCS0	2	107	6485	Full	4.10	3.00	6.60	4.00		10.60	24.00	Pass
HE40	MCS0	2	107	6485	242/62	0.90	0.70	3.81	4.00		7.81	24.00	Pass
HE80	MCS0	2	103	6465	Full	6.50	6.70	9.61	4.00		13.61	24.00	Pass
HE80	MCS0	2	103	6465	484/65	4.00	3.30	6.67	4.00		10.67	24.00	Pass

U-NII-6 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2			
HE40	MCS0	2	115	6525	Full	4.00	2.90	6.50	4.00		10.50	24.00	Pass
HE40	MCS0	2	115	6525	242/62	0.60	0.80	3.71	4.00		7.71	24.00	Pass
HE80	MCS0	2	119	6545	Full	6.70	6.60	9.66	4.00		13.66	24.00	Pass
HE80	MCS0	2	119	6545	484/65	4.50	3.70	7.13	4.00		11.13	24.00	Pass
HE160	MCS0	2	111	6505	Full	9.30	9.50	12.41	4.00		16.41	24.00	Pass
HE160	MCS0	2	111	6505	996/67	6.90	7.20	10.06	4.00		14.06	24.00	Pass
HE160	MCS0	2	111	6505	996/S67	7.10	6.60	9.87	4.00		13.87	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE20	MCS0	2	097	6435	Full	0.00	0.00			-8.05	6.91	-1.14	-1.00	Pass	
HE20	MCS0	2	097	6435	26/0	0.00	0.00			-8.33	6.91	-1.42	-1.00	Pass	
HE20	MCS0	2	097	6435	52/37	0.00	0.00			-8.39	6.91	-1.48	-1.00	Pass	
HE20	MCS0	2	097	6435	106/53	0.00	0.00			-8.25	6.91	-1.33	-1.00	Pass	
HE20	MCS0	2	105	6475	Full	0.00	0.00			-8.35	6.91	-1.43	-1.00	Pass	
HE20	MCS0	2	105	6475	26/4	0.00	0.00			-8.56	6.91	-1.64	-1.00	Pass	
HE20	MCS0	2	105	6475	52/38	0.00	0.00			-8.48	6.91	-1.57	-1.00	Pass	
HE20	MCS0	2	105	6475	106/53	0.00	0.00			-8.42	6.91	-1.51	-1.00	Pass	
HE20	MCS0	2	113	6515	Full	0.00	0.00			-8.35	6.91	-1.44	-1.00	Pass	
HE20	MCS0	2	113	6515	26/8	0.00	0.00			-8.63	6.91	-1.71	-1.00	Pass	
HE20	MCS0	2	113	6515	52/40	0.00	0.00			-8.56	6.91	-1.65	-1.00	Pass	
HE20	MCS0	2	113	6515	106/54	0.00	0.00			-8.48	6.91	-1.57	-1.00	Pass	
HE40	MCS0	2	099	6445	Full	0.00	0.00			-8.06	6.91	-1.15	-1.00	Pass	
HE40	MCS0	2	099	6445	242/61	0.00	0.00			-8.35	6.91	-1.44	-1.00	Pass	
HE40	MCS0	2	107	6485	Full	0.00	0.00			-8.21	6.91	-1.30	-1.00	Pass	
HE40	MCS0	2	107	6485	242/62	0.00	0.00			-8.57	6.91	-1.66	-1.00	Pass	
HE80	MCS0	2	103	6465	Full	0.00	0.00		-8.21	6.91	-1.30	-1.00	Pass		
HE80	MCS0	2	103	6465	484/65	0.00	0.00		-8.51	6.91	-1.59	-1.00	Pass		

U-NII-6 straddle channel MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE40	MCS0	2	115	6525	Full	0.00	0.00		-8.38	6.91	-1.47	-1.00	Pass		
HE40	MCS0	2	115	6525	242/62	0.00	0.00		-8.40	6.91	-1.49	-1.00	Pass		
HE80	MCS0	2	119	6545	Full	0.00	0.00		-8.20	6.91	-1.29	-1.00	Pass		
HE80	MCS0	2	119	6545	484/65	0.00	0.00		-8.30	6.91	-1.39	-1.00	Pass		
HE160	MCS0	2	111	6505	Full	0.00	0.00		-8.12	6.91	-1.21	-1.00	Pass		
HE160	MCS0	2	111	6505	996/67	0.05	0.05		-8.48	6.91	-1.57	-1.00	Pass		
HE160	MCS0	2	111	6505	996/S67	0.05	0.05		-8.20	6.91	-1.29	-1.00	Pass		

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	117	6535	Full	19.03	19.08	21.48	21.72	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.08	19.08	21.72	21.24	320.00	Pass
HE20	MCS0	2	181	6855	Full	19.13	19.08	21.42	21.60	320.00	Pass
HE40	MCS0	2	123	6565	Full	38.06	38.26	41.88	42.00	320.00	Pass
HE40	MCS0	2	147	6685	Full	38.16	38.46	42.00	41.76	320.00	Pass
HE40	MCS0	2	179	6845	Full	38.36	38.46	41.76	42.12	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.32	77.44	82.80	83.04	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.32	77.68	83.28	83.28	320.00	Pass
HE80	MCS0	2	167	6785	Full	77.44	77.44	82.32	82.80	320.00	Pass
HE160	MCS0	2	143	6665	Full	156.80	157.04	167.52	166.08	320.00	Pass

U-NII-7 straddle channel MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	185	6875	Full	19.13	19.13	21.36	21.48	320.00	Pass
HE40	MCS0	2	187	6885	Full	38.36	38.26	41.76	41.88	320.00	Pass
HE80	MCS0	2	183	6865	Full	77.32	77.44	83.28	82.56	320.00	Pass
HE160	MCS0	2	175	6825	Full	156.56	157.04	167.04	166.08	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2			
HE20	MCS0	2	117	6535	Full	1.00	1.00	4.01	4.00		8.01	24.00	Pass
HE20	MCS0	2	117	6535	26/0	-8.80	-9.00	-5.89	4.00		-1.89	24.00	Pass
HE20	MCS0	2	117	6535	52/37	-5.80	-6.00	-2.89	4.00		1.11	24.00	Pass
HE20	MCS0	2	117	6535	106/53	-3.10	-3.00	-0.04	4.00		3.96	24.00	Pass
HE20	MCS0	2	149	6695	Full	0.80	0.50	3.66	4.00		7.66	24.00	Pass
HE20	MCS0	2	149	6695	26/4	-7.90	-8.20	-5.04	4.00		-1.04	24.00	Pass
HE20	MCS0	2	149	6695	52/38	-6.40	-6.50	-3.44	4.00		0.56	24.00	Pass
HE20	MCS0	2	149	6695	106/53	-3.50	-3.80	-0.64	4.00		3.36	24.00	Pass
HE20	MCS0	2	181	6855	Full	0.30	0.90	3.62	4.00		7.62	24.00	Pass
HE20	MCS0	2	181	6855	26/8	-10.00	-9.00	-6.46	4.00		-2.46	24.00	Pass
HE20	MCS0	2	181	6855	52/40	-7.10	-6.10	-3.56	4.00		0.44	24.00	Pass
HE20	MCS0	2	181	6855	106/54	-4.00	-3.00	-0.46	4.00		3.54	24.00	Pass
HE40	MCS0	2	123	6565	Full	4.20	2.90	6.61	4.00		10.61	24.00	Pass
HE40	MCS0	2	123	6565	242/61	1.10	1.30	4.21	4.00		8.21	24.00	Pass
HE40	MCS0	2	147	6685	Full	4.00	3.00	6.54	4.00		10.54	24.00	Pass
HE40	MCS0	2	147	6685	242/61	0.40	0.30	3.36	4.00		7.36	24.00	Pass
HE40	MCS0	2	179	6845	Full	3.70	3.20	6.47	4.00		10.47	24.00	Pass
HE40	MCS0	2	179	6845	242/62	0.50	1.00	3.77	4.00		7.77	24.00	Pass
HE80	MCS0	2	135	6625	Full	6.80	6.70	9.76	4.00		13.76	24.00	Pass
HE80	MCS0	2	135	6625	484/65	3.90	2.90	6.44	4.00		10.44	24.00	Pass
HE80	MCS0	2	151	6705	Full	6.60	6.90	9.76	4.00		13.76	24.00	Pass
HE80	MCS0	2	151	6705	484/65	4.00	3.20	6.63	4.00		10.63	24.00	Pass
HE80	MCS0	2	167	6785	Full	6.80	7.20	10.01	4.00		14.01	24.00	Pass
HE80	MCS0	2	167	6785	484/66	3.40	3.60	6.51	4.00		10.51	24.00	Pass
HE160	MCS0	2	143	6665	Full	9.20	9.30	12.26	4.00		16.26	24.00	Pass
HE160	MCS0	2	143	6665	996/67	7.10	6.90	10.01	4.00		14.01	24.00	Pass

U-NII-7 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2			
HE20	MCS0	2	185	6875	Full	0.00	1.20	3.65	4.00		7.65	24.00	Pass
HE20	MCS0	2	185	6875	26/8	-10.00	-8.30	-6.06	4.00		-2.06	24.00	Pass
HE20	MCS0	2	185	6875	52/40	-7.00	-5.30	-3.06	4.00		0.94	24.00	Pass
HE20	MCS0	2	185	6875	106/54	-3.90	-2.30	-0.02	4.00		3.98	24.00	Pass
HE40	MCS0	2	187	6885	Full	3.50	3.80	6.66	4.00		10.66	24.00	Pass
HE40	MCS0	2	187	6885	242/62	0.20	1.60	3.97	4.00		7.97	24.00	Pass
HE80	MCS0	2	183	6865	Full	6.80	7.20	10.01	4.00		14.01	24.00	Pass
HE80	MCS0	2	183	6865	484/66	3.80	4.10	6.96	4.00		10.96	24.00	Pass
HE160	MCS0	2	175	6825	Full	9.40	9.80	12.61	4.00		16.61	24.00	Pass
HE160	MCS0	2	175	6825	996/67	7.20	7.20	10.21	4.00		14.21	24.00	Pass
HE160	MCS0	2	175	6825	996/S67	7.00	7.40	10.21	4.00		14.21	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE20	MCS0	2	117	6535	Full	0.00	0.00			-8.08	7.01	-1.07	-1.00	Pass	
HE20	MCS0	2	117	6535	26/0	0.00	0.00			-8.10	7.01	-1.08	-1.00	Pass	
HE20	MCS0	2	117	6535	52/37	0.00	0.00			-8.15	7.01	-1.14	-1.00	Pass	
HE20	MCS0	2	117	6535	106/53	0.00	0.00			-8.36	7.01	-1.35	-1.00	Pass	
HE20	MCS0	2	149	6695	Full	0.00	0.00			-8.57	7.01	-1.56	-1.00	Pass	
HE20	MCS0	2	149	6695	26/4	0.00	0.00			-8.80	7.01	-1.79	-1.00	Pass	
HE20	MCS0	2	149	6695	52/38	0.00	0.00			-8.97	7.01	-1.96	-1.00	Pass	
HE20	MCS0	2	149	6695	106/53	0.00	0.00			-8.80	7.01	-1.79	-1.00	Pass	
HE20	MCS0	2	181	6855	Full	0.00	0.00			-8.50	7.01	-1.49	-1.00	Pass	
HE20	MCS0	2	181	6855	26/8	0.00	0.00			-8.99	7.01	-1.98	-1.00	Pass	
HE20	MCS0	2	181	6855	52/40	0.00	0.00			-8.99	7.01	-1.98	-1.00	Pass	
HE20	MCS0	2	181	6855	106/54	0.00	0.00			-8.98	7.01	-1.97	-1.00	Pass	
HE40	MCS0	2	123	6565	Full	0.00	0.00			-8.08	7.01	-1.07	-1.00	Pass	
HE40	MCS0	2	123	6565	242/61	0.00	0.00			-8.36	7.01	-1.35	-1.00	Pass	
HE40	MCS0	2	147	6685	Full	0.00	0.00			-8.51	7.01	-1.50	-1.00	Pass	
HE40	MCS0	2	147	6685	242/61	0.00	0.00			-8.99	7.01	-1.98	-1.00	Pass	
HE40	MCS0	2	179	6845	Full	0.00	0.00			-8.41	7.01	-1.39	-1.00	Pass	
HE40	MCS0	2	179	6845	242/62	0.00	0.00			-8.62	7.01	-1.61	-1.00	Pass	
HE80	MCS0	2	135	6625	Full	0.00	0.00			-8.21	7.01	-1.20	-1.00	Pass	
HE80	MCS0	2	135	6625	484/65	0.00	0.00			-8.69	7.01	-1.68	-1.00	Pass	
HE80	MCS0	2	151	6705	Full	0.00	0.00		-8.46	7.01	-1.45	-1.00	Pass		
HE80	MCS0	2	151	6705	484/65	0.00	0.00		-8.55	7.01	-1.54	-1.00	Pass		
HE80	MCS0	2	167	6785	Full	0.00	0.00		-8.24	7.01	-1.23	-1.00	Pass		
HE80	MCS0	2	167	6785	484/66	0.00	0.00		-8.46	7.01	-1.45	-1.00	Pass		
HE160	MCS0	2	143	6665	Full	0.00	0.00		-8.42	7.01	-1.41	-1.00	Pass		
HE160	MCS0	2	143	6665	996/67	0.05	0.05		-8.83	7.01	-1.82	-1.00	Pass		

U-NII-7 straddle channel MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE20	MCS0	2	185	6875	Full	0.00	0.00			-8.51	7.01	-1.50	-1.00	Pass	
HE20	MCS0	2	185	6875	26/8	0.00	0.00			-8.70	7.01	-1.69	-1.00	Pass	
HE20	MCS0	2	185	6875	52/40	0.00	0.00			-8.68	7.01	-1.67	-1.00	Pass	
HE20	MCS0	2	185	6875	106/54	0.00	0.00			-8.65	7.01	-1.64	-1.00	Pass	
HE40	MCS0	2	187	6885	Full	0.00	0.00			-8.38	7.01	-1.37	-1.00	Pass	
HE40	MCS0	2	187	6885	242/62	0.00	0.00			-8.63	7.01	-1.62	-1.00	Pass	
HE80	MCS0	2	183	6865	Full	0.00	0.00			-8.07	7.01	-1.05	-1.00	Pass	
HE80	MCS0	2	183	6865	484/66	0.00	0.00			-8.45	7.01	-1.44	-1.00	Pass	
HE160	MCS0	2	175	6825	Full	0.00	0.00			-8.18	7.01	-1.17	-1.00	Pass	
HE160	MCS0	2	175	6825	996/67	0.05	0.05			-8.42	7.01	-1.41	-1.00	Pass	
HE160	MCS0	2	175	6825	996/S67	0.05	0.05		-8.32	7.01	-1.31	-1.00	Pass		

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	189	6895	Full	19.13	19.08	21.24	21.12	320.00	Pass
HE20	MCS0	2	209	6995	Full	19.08	18.98	21.30	21.18	320.00	Pass
HE20	MCS0	2	229	7095	Full	19.03	18.93	21.66	21.42	320.00	Pass
HE20	MCS0	2	233	7115	Full	19.08	19.03	21.78	21.54	320.00	Pass
HE40	MCS0	2	195	6925	Full	38.36	38.36	41.88	41.76	320.00	Pass
HE40	MCS0	2	211	7005	Full	38.16	38.26	41.52	41.52	320.00	Pass
HE40	MCS0	2	227	7085	Full	38.16	38.06	41.76	41.76	320.00	Pass
HE80	MCS0	2	199	6945	Full	77.20	77.44	82.80	83.28	320.00	Pass
HE80	MCS0	2	215	7025	Full	77.20	77.32	82.56	82.80	320.00	Pass
HE160	MCS0	2	207	6985	Full	156.08	156.56	167.52	166.08	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2			
HE20	MCS0	2	189	6895	Full	0.20	1.30	3.80	4.00		7.80	24.00	Pass
HE20	MCS0	2	189	6895	26/0	-9.50	-8.40	-5.90	4.00		-1.90	24.00	Pass
HE20	MCS0	2	189	6895	52/37	-6.60	-5.50	-3.00	4.00		1.00	24.00	Pass
HE20	MCS0	2	189	6895	106/53	-3.50	-2.20	0.21	4.00		4.21	24.00	Pass
HE20	MCS0	2	209	6995	Full	0.40	1.60	4.05	4.00		8.05	24.00	Pass
HE20	MCS0	2	209	6995	26/0	-9.10	-8.30	-5.67	4.00		-1.67	24.00	Pass
HE20	MCS0	2	209	6995	52/37	-6.10	-5.30	-2.67	4.00		1.33	24.00	Pass
HE20	MCS0	2	209	6995	106/53	-3.00	-2.00	0.54	4.00		4.54	24.00	Pass
HE20	MCS0	2	229	7095	Full	0.70	1.80	4.30	4.00		8.30	24.00	Pass
HE20	MCS0	2	229	7095	26/4	-7.70	-6.90	-4.27	4.00		-0.27	24.00	Pass
HE20	MCS0	2	229	7095	52/38	-5.50	-4.60	-2.02	4.00		1.98	24.00	Pass
HE20	MCS0	2	229	7095	106/53	-2.60	-1.80	0.83	4.00		4.83	24.00	Pass
HE20	MCS0	2	233	7115	Full	0.30	1.20	3.78	4.00		7.78	24.00	Pass
HE20	MCS0	2	233	7115	26/8	-9.00	-8.20	-5.57	4.00		-1.57	24.00	Pass
HE20	MCS0	2	233	7115	52/40	-5.60	-4.70	-2.12	4.00		1.88	24.00	Pass
HE20	MCS0	2	233	7115	106/54	-3.00	-2.00	0.54	4.00		4.54	24.00	Pass
HE40	MCS0	2	195	6925	Full	3.30	3.60	6.46	4.00		10.46	24.00	Pass
HE40	MCS0	2	195	6925	242/61	0.40	1.40	3.94	4.00		7.94	24.00	Pass
HE40	MCS0	2	211	7005	Full	3.50	4.00	6.77	4.00		10.77	24.00	Pass
HE40	MCS0	2	211	7005	242/62	0.30	1.50	3.95	4.00		7.95	24.00	Pass
HE40	MCS0	2	227	7085	Full	3.30	4.30	6.84	4.00		10.84	24.00	Pass
HE40	MCS0	2	227	7085	242/62	1.10	1.80	4.47	4.00		8.47	24.00	Pass
HE80	MCS0	2	199	6945	Full	6.60	7.30	9.97	4.00		13.97	24.00	Pass
HE80	MCS0	2	199	6945	484/65	4.20	4.10	7.16	4.00		11.16	24.00	Pass
HE80	MCS0	2	215	7025	Full	6.60	7.30	9.97	4.00		13.97	24.00	Pass
HE80	MCS0	2	215	7025	484/66	4.50	5.50	8.04	4.00		12.04	24.00	Pass
HE160	MCS0	2	207	6985	Full	9.10	10.00	12.58	4.00		16.58	24.00	Pass
HE160	MCS0	2	207	6985	996/67	6.80	7.10	9.96	4.00		13.96	24.00	Pass
HE160	MCS0	2	207	6985	996/S67	6.70	7.60	10.18	4.00		14.18	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE20	MCS0	2	189	6895	Full	0.00	0.00			-8.27	6.76	-1.51	-1.00	Pass	
HE20	MCS0	2	189	6895	26/0	0.00	0.00			-8.51	6.76	-1.75	-1.00	Pass	
HE20	MCS0	2	189	6895	52/37	0.00	0.00			-8.56	6.76	-1.80	-1.00	Pass	
HE20	MCS0	2	189	6895	106/53	0.00	0.00			-8.47	6.76	-1.71	-1.00	Pass	
HE20	MCS0	2	209	6995	Full	0.00	0.00			-8.18	6.76	-1.42	-1.00	Pass	
HE20	MCS0	2	209	6995	26/0	0.00	0.00			-8.30	6.76	-1.54	-1.00	Pass	
HE20	MCS0	2	209	6995	52/37	0.00	0.00			-8.36	6.76	-1.60	-1.00	Pass	
HE20	MCS0	2	209	6995	106/53	0.00	0.00			-8.32	6.76	-1.56	-1.00	Pass	
HE20	MCS0	2	229	7095	Full	0.00	0.00			-8.01	6.76	-1.24	-1.00	Pass	
HE20	MCS0	2	229	7095	26/4	0.00	0.00			-8.57	6.76	-1.80	-1.00	Pass	
HE20	MCS0	2	229	7095	52/38	0.00	0.00			-8.43	6.76	-1.66	-1.00	Pass	
HE20	MCS0	2	229	7095	106/53	0.00	0.00			-8.42	6.76	-1.66	-1.00	Pass	
HE20	MCS0	2	233	7115	Full	0.00	0.00			-8.26	6.76	-1.50	-1.00	Pass	
HE20	MCS0	2	233	7115	26/8	0.00	0.00			-8.57	6.76	-1.81	-1.00	Pass	
HE20	MCS0	2	233	7115	52/40	0.00	0.00			-8.43	6.76	-1.67	-1.00	Pass	
HE20	MCS0	2	233	7115	106/54	0.00	0.00			-8.75	6.76	-1.98	-1.00	Pass	
HE40	MCS0	2	195	6925	Full	0.00	0.00			-8.33	6.76	-1.57	-1.00	Pass	
HE40	MCS0	2	195	6925	242/61	0.00	0.00			-8.82	6.76	-2.05	-1.00	Pass	
HE40	MCS0	2	211	7005	Full	0.00	0.00			-8.34	6.76	-1.58	-1.00	Pass	
HE40	MCS0	2	211	7005	242/62	0.00	0.00			-8.75	6.76	-1.99	-1.00	Pass	
HE40	MCS0	2	227	7085	Full	0.00	0.00		-8.23	6.76	-1.47	-1.00	Pass		
HE40	MCS0	2	227	7085	242/62	0.00	0.00		-8.70	6.76	-1.94	-1.00	Pass		
HE80	MCS0	2	199	6945	Full	0.00	0.00		-7.99	6.76	-1.22	-1.00	Pass		
HE80	MCS0	2	199	6945	484/65	0.00	0.00		-8.03	6.76	-1.26	-1.00	Pass		
HE80	MCS0	2	215	7025	Full	0.00	0.00		-8.19	6.76	-1.43	-1.00	Pass		
HE80	MCS0	2	215	7025	484/66	0.00	0.00		-8.31	6.76	-1.55	-1.00	Pass		
HE160	MCS0	2	207	6985	Full	0.00	0.00		-8.03	6.76	-1.26	-1.00	Pass		
HE160	MCS0	2	207	6985	996/67	0.05	0.05		-8.51	6.76	-1.75	-1.00	Pass		
HE160	MCS0	2	207	6985	996/S67	0.05	0.05		-8.25	6.76	-1.49	-1.00	Pass		



Appendix B. AC Conducted Emission Test Results

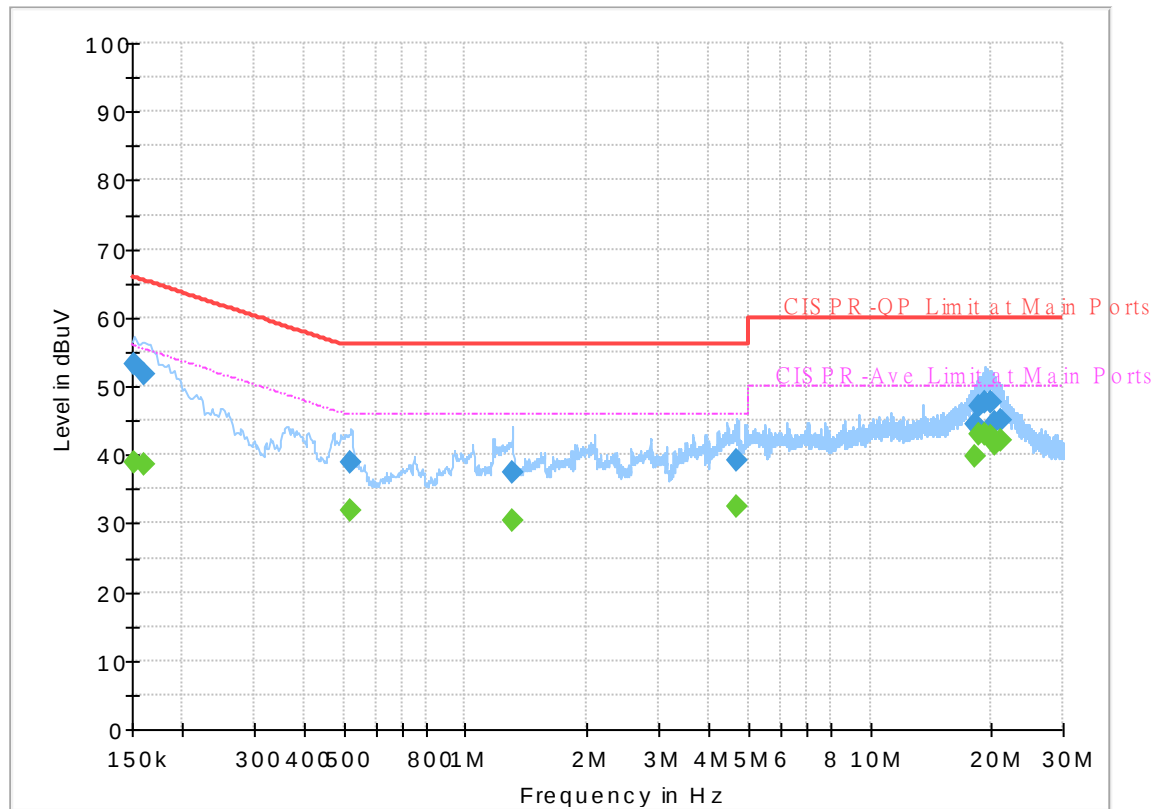
Test Engineer :	Calvin Wang	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 371809

Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.99	55.88	16.89	L1	OFF	19.7
0.152250	53.27	---	65.88	12.61	L1	OFF	19.7
0.161250	---	38.72	55.40	16.68	L1	OFF	19.7
0.161250	51.73	---	65.40	13.67	L1	OFF	19.7
0.521250	---	31.82	46.00	14.18	L1	OFF	19.7
0.521250	38.78	---	56.00	17.22	L1	OFF	19.7
1.304250	---	30.39	46.00	15.61	L1	OFF	19.8
1.304250	37.43	---	56.00	18.57	L1	OFF	19.8
4.683750	---	32.31	46.00	13.69	L1	OFF	19.9
4.683750	39.05	---	56.00	16.95	L1	OFF	19.9
18.093750	---	39.90	50.00	10.10	L1	OFF	20.3
18.093750	44.52	---	60.00	15.48	L1	OFF	20.3
18.613500	---	43.04	50.00	6.96	L1	OFF	20.3
18.613500	46.94	---	60.00	13.06	L1	OFF	20.3
19.333500	---	42.92	50.00	7.08	L1	OFF	20.3
19.333500	47.80	---	60.00	12.20	L1	OFF	20.3
19.916250	---	42.56	50.00	7.44	L1	OFF	20.3
19.916250	47.68	---	60.00	12.32	L1	OFF	20.3
20.438250	---	41.43	50.00	8.57	L1	OFF	20.3
20.438250	44.82	---	60.00	15.18	L1	OFF	20.3
21.005250	---	42.06	50.00	7.94	L1	OFF	20.3

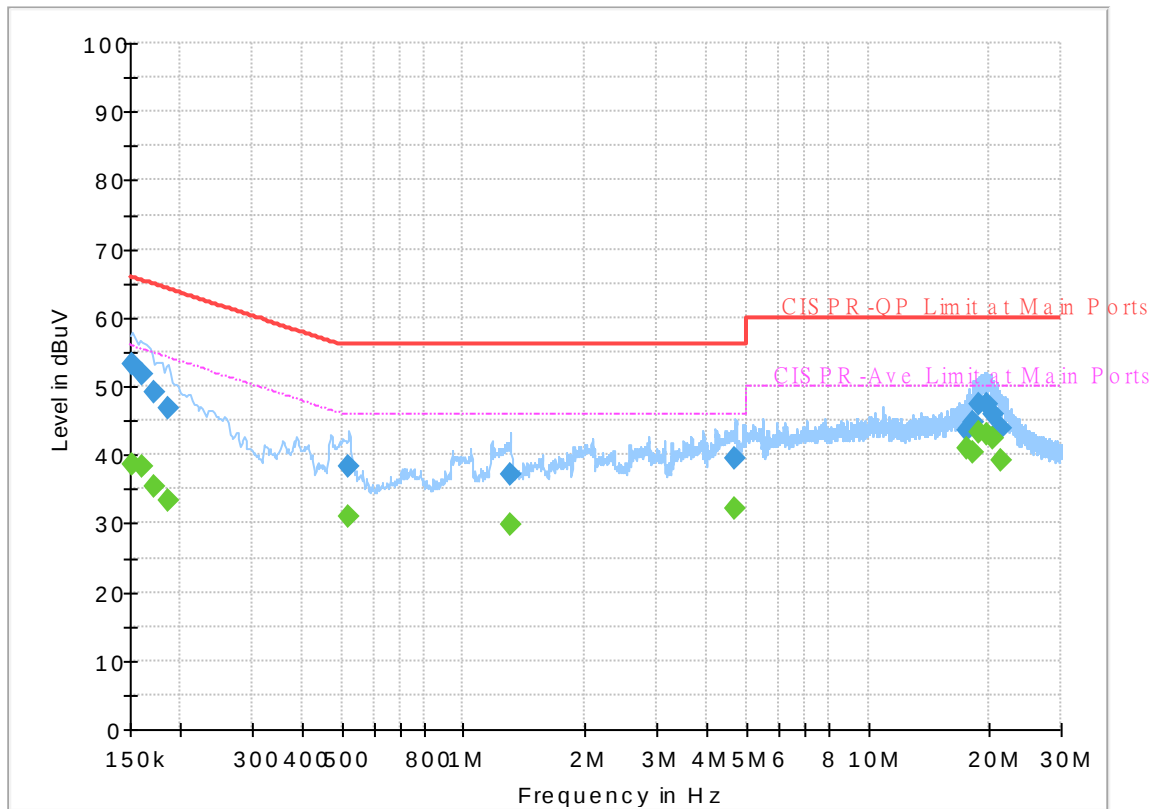
21.005250	45.12	---	60.00	14.88	L1	OFF	20.3
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EUT Information

Report NO : 371809

Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.56	55.88	17.32	N	OFF	19.7
0.152250	53.30	---	65.88	12.58	N	OFF	19.7
0.161250	---	38.16	55.40	17.24	N	OFF	19.7
0.161250	51.80	---	65.40	13.60	N	OFF	19.7
0.172500	---	35.44	54.84	19.40	N	OFF	19.7
0.172500	49.04	---	64.84	15.80	N	OFF	19.7
0.186000	---	33.43	54.21	20.78	N	OFF	19.7
0.186000	46.69	---	64.21	17.52	N	OFF	19.7
0.521250	---	30.91	46.00	15.09	N	OFF	19.7
0.521250	38.25	---	56.00	17.75	N	OFF	19.7
1.304250	---	29.80	46.00	16.20	N	OFF	19.8
1.304250	37.22	---	56.00	18.78	N	OFF	19.8
4.708500	---	32.30	46.00	13.70	N	OFF	19.9
4.708500	39.36	---	56.00	16.64	N	OFF	19.9
17.484000	---	40.83	50.00	9.17	N	OFF	20.3
17.484000	43.56	---	60.00	16.44	N	OFF	20.3
18.084750	---	40.35	50.00	9.65	N	OFF	20.4
18.084750	44.75	---	60.00	15.25	N	OFF	20.4
18.870000	---	43.24	50.00	6.76	N	OFF	20.4
18.870000	47.23	---	60.00	12.77	N	OFF	20.4
19.569750	---	43.01	50.00	6.99	N	OFF	20.4

19.569750	47.50	---	60.00	12.50	N	OFF	20.4
20.433750	---	42.52	50.00	7.48	N	OFF	20.4
20.433750	46.00	---	60.00	14.00	N	OFF	20.4
21.239250	---	39.21	50.00	10.79	N	OFF	20.5
21.239250	43.83	---	60.00	16.17	N	OFF	20.5



Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	18.2~22.4°C
		Relative Humidity :	66.8~69.1%

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5918.94	49.38	-38.82	88.2	39.05	34.36	13.78	37.81	300	186	P	H
		5923.84	38.91	-29.29	68.2	28.59	34.35	13.79	37.82	300	186	A	H
	*	5955	94.64	-	-	84.37	34.27	13.83	37.83	300	186	P	H
	*	5955	87.95	-	-	77.68	34.27	13.83	37.83	300	186	A	H
													H
													H
		5920.48	48.76	-39.44	88.2	38.42	34.36	13.79	37.81	200	102	P	V
		5924.96	38.96	-29.24	68.2	28.64	34.35	13.79	37.82	200	102	A	V
	*	5955	96.79	-	-	86.52	34.27	13.83	37.83	200	102	P	V
	*	5955	89.72	-	-	79.45	34.27	13.83	37.83	200	102	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 01 5955MHz		5916	49.95	-38.25	88.2	39.61	34.37	13.78	37.81	299	1	P	H
		5923	38.93	-29.27	68.2	28.61	34.35	13.79	37.82	299	1	A	H
	*	5955	95.93	-	-	85.66	34.27	13.83	37.83	299	1	P	H
	*	5955	87.17	-	-	76.9	34.27	13.83	37.83	299	1	A	H
													H
													H
		5916.84	49.39	-38.81	88.2	39.05	34.37	13.78	37.81	331	113	P	V
		5924.26	39.03	-29.17	68.2	28.71	34.35	13.79	37.82	331	113	A	V
	*	5955	99.49	-	-	89.22	34.27	13.83	37.83	331	113	P	V
	*	5955	90.34	-	-	80.07	34.27	13.83	37.83	331	113	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/53 CH 01 5955MHz		5888.56	49.37	-38.83	88.2	39.09	34.33	13.75	37.8	100	128	P	H
		5924.68	38.9	-29.3	68.2	28.58	34.35	13.79	37.82	100	128	A	H
	*	5955	85.95	-	-	75.68	34.27	13.83	37.83	100	128	P	H
	*	5955	79.71	-	-	69.44	34.27	13.83	37.83	100	128	A	H
													H
													H
		5915.16	49.48	-38.72	88.2	39.14	34.37	13.78	37.81	304	64	P	V
		5924.54	38.95	-29.25	68.2	28.63	34.35	13.79	37.82	304	64	A	V
	*	5955	97.07	-	-	86.8	34.27	13.83	37.83	304	64	P	V
	*	5955	89.41	-	-	79.14	34.27	13.83	37.83	304	64	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 03 5965MHz		5924.34	49.34	-38.86	88.2	39.02	34.35	13.79	37.82	323	183	P	H
		5925	39.21	-28.99	68.2	28.89	34.35	13.79	37.82	323	183	A	H
	*	5965	96.4	-	-	86.18	34.21	13.84	37.83	323	183	P	H
	*	5965	88.44	-	-	78.22	34.21	13.84	37.83	323	183	A	H
													H
													H
		5882.58	49.41	-38.79	88.2	39.17	34.3	13.74	37.8	183	89	P	V
		5922.18	39.29	-28.91	68.2	28.96	34.36	13.79	37.82	183	89	A	V
	*	5965	98.84	-	-	88.62	34.21	13.84	37.83	183	89	P	V
	*	5965	90.48	-	-	80.26	34.21	13.84	37.83	183	89	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 07 5985MHz		5922.28	49.57	-38.63	88.2	39.24	34.36	13.79	37.82	353	226	P	H
		5923.4	39.89	-28.31	68.2	29.57	34.35	13.79	37.82	353	226	A	H
	*	5985	95.73	-	-	85.61	34.09	13.87	37.84	353	226	P	H
	*	5985	88.35	-	-	78.23	34.09	13.87	37.84	353	226	A	H
													H
													H
		5878.12	49.8	-38.4	88.2	39.6	34.27	13.73	37.8	167	92	P	V
		5923.24	40.57	-27.63	68.2	30.25	34.35	13.79	37.82	167	92	A	V
	*	5985	97.92	-	-	87.8	34.09	13.87	37.84	167	92	P	V
	*	5985	91	-	-	80.88	34.09	13.87	37.84	167	92	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full CH 15 6025MHz		5882.6	51.21	-36.99	88.2	40.97	34.3	13.74	37.8	350	228	P	H
		5922.28	42.97	-25.23	68.2	32.64	34.36	13.79	37.82	350	228	A	H
	*	6025	95.74	-	-	85.65	34	13.92	37.83	350	228	P	H
	*	6025	88.03	-	-	77.94	34	13.92	37.83	350	228	P	H
													H
													H
		5893.8	52.94	-35.26	88.2	42.64	34.36	13.75	37.81	167	91	P	V
		5923.24	44.71	-23.49	68.2	34.39	34.35	13.79	37.82	167	91	A	V
	*	6025	99.2	-	-	89.11	34	13.92	37.83	167	91	P	V
	*	6025	90.65	-	-	80.56	34	13.92	37.83	167	91	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full CH 15 6025MHz		12050	50.9	-23.1	74	34.11	39.3	20.28	42.79	100	199	P	H
		12050	44.24	-9.76	54	27.45	39.3	20.28	42.79	100	199	A	H
		18075	36.23	-37.77	74	39.56	37.6	15.03	55.96	-	-	P	H
		24100	45.45	-42.75	88.2	40.86	39.1	19.31	53.82	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12050	50.88	-23.12	74	34.09	39.3	20.28	42.79	100	267	P	V
		12050	44.42	-9.58	54	27.63	39.3	20.28	42.79	100	267	A	V
		18075	36.21	-37.79	74	39.54	37.6	15.03	55.96	-	-	P	V
		24100	44.36	-43.84	88.2	39.77	39.1	19.31	53.82	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]

[illegible]

Band 6 - 6425~6525MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

[illegible]

Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

[illegible]

[illegible]



Band 8 - 6875~7125MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 229 7095MHz	*	7095	90.34	-	-	76.89	36.37	15.11	38.03	181	309	P	H
	*	7095	83.49	-	-	70.04	36.37	15.11	38.03	181	309	P	H
		7185.64	52.92	-35.28	88.2	38.94	36.84	15.23	38.09	181	309	P	H
		7244.36	42.26	-25.94	68.2	28.1	36.99	15.3	38.13	181	309	A	H
													H
													H
	*	7095	88.6	-	-	75.15	36.37	15.11	38.03	250	236	P	V
	*	7095	81.18	-	-	67.73	36.37	15.11	38.03	250	236	A	V
		7234.12	52.43	-35.77	88.2	38.29	36.97	15.29	38.12	250	236	P	V
		7243.88	42.28	-25.92	68.2	28.12	36.99	15.3	38.13	250	236	A	V
													V
													V
802.11a CH 233 7115MHz	*	7115	96.79	-	-	83.2	36.49	15.14	38.04	218	190	P	H
	*	7115	89.39	-	-	75.8	36.49	15.14	38.04	218	190	A	H
		7125.02	69.8	-18.4	88.2	56.15	36.55	15.15	38.05	218	190	P	H
		7125.02	57.08	-11.12	68.2	43.43	36.55	15.15	38.05	218	190	A	H
													H
													H
	*	7115	96.17	-	-	82.58	36.49	15.14	38.04	312	79	P	V
	*	7115	88.86	-	-	75.27	36.49	15.14	38.04	312	79	A	V
		7125.02	68.09	-20.11	88.2	54.44	36.55	15.15	38.05	312	79	P	V
		7125.02	56.78	-11.42	68.2	43.13	36.55	15.15	38.05	312	79	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 8 - 6875~7125MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 229 7095MHz		7095	86.3	-	-	72.85	36.37	15.11	38.03	200	58	P	H
	*	7095	77.72	-	-	64.27	36.37	15.11	38.03	200	58	A	H
		7162.76	52.43	-35.77	88.2	38.55	36.75	15.2	38.07	200	58	P	H
		7240.52	42.27	-25.93	68.2	28.12	36.98	15.29	38.12	200	58	P	H
													H
													H
		7095	85.37	-	-	71.92	36.37	15.11	38.03	131	171	P	V
	*	7095	77.52	-	-	64.07	36.37	15.11	38.03	131	171	A	V
		7228.84	52.54	-35.66	88.2	38.42	36.96	15.28	38.12	131	171	P	V
		7242.92	42.31	-25.89	68.2	28.15	36.99	15.3	38.13	131	171	A	V
													V
													V
802.11ax HE20 Full CH 233 7115MHz	*	7119.4	96.1	-	-	82.49	36.52	15.14	38.05	200	360	P	H
	*	7119.4	88.4	-	-	74.79	36.52	15.14	38.05	200	360	A	H
		7125.02	68.21	-19.99	88.2	54.56	36.55	15.15	38.05	200	360	P	H
		7125.02	57.79	-10.41	68.2	44.14	36.55	15.15	38.05	200	360	A	H
													H
													H
	*	7113.2	94.92	-	-	81.35	36.48	15.13	38.04	300	10	P	V
	*	7113.2	87.43	-	-	73.86	36.48	15.13	38.04	300	10	A	V
		7125.02	67.77	-20.43	88.2	54.12	36.55	15.15	38.05	300	10	P	V
		7125.16	57.07	-11.13	68.2	43.42	36.55	15.15	38.05	300	10	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 8 - 6875~7125MHz

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/54 CH 233 7115MHz	*	7115	99.34	-	-	85.75	36.49	15.14	38.04	200	360	P	H
	*	7115	91.62	-	-	78.03	36.49	15.14	38.04	200	360	A	H
		7125.02	74.52	-13.68	88.2	60.87	36.55	15.15	38.05	200	360	P	H
		7125.16	63.54	-4.66	68.2	49.89	36.55	15.15	38.05	200	360	A	H
													H
													H
	*	7115	100.57	-	-	86.98	36.49	15.14	38.04	300	12	P	V
	*	7115	92	-	-	78.41	36.49	15.14	38.04	300	12	A	V
		7125.02	74.78	-13.42	88.2	61.13	36.55	15.15	38.05	300	12	P	V
		7125.02	63.6	-4.6	68.2	49.95	36.55	15.15	38.05	300	12	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 8 - 6875~7125MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 227 7085MHz	*	7085	99.23	-	-	85.85	36.31	15.09	38.02	200	360	P	H
	*	7085	90.63	-	-	77.25	36.31	15.09	38.02	200	360	A	H
		7213.32	52.09	-36.11	88.2	38.01	36.93	15.26	38.11	200	360	P	H
		7243.38	42.33	-25.87	68.2	28.17	36.99	15.3	38.13	200	360	A	H
													H
													H
	*	7085	97.75	-	-	84.37	36.31	15.09	38.02	300	11	P	V
	*	7085	90.3	-	-	76.92	36.31	15.09	38.02	300	11	A	V
		7201.26	52.77	-35.43	88.2	38.72	36.9	15.25	38.1	300	11	P	V
		7243.56	42.36	-25.84	68.2	28.2	36.99	15.3	38.13	300	11	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 8 - 6875~7125MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 215 7025MHz	*	7025	99.77	-	-	86.75	36	15.01	37.99	200	184	P	H
	*	7025	90.29	-	-	77.27	36	15.01	37.99	200	184	A	H
		7146.46	52.87	-35.33	88.2	39.07	36.68	15.18	38.06	200	184	P	H
		7244.48	42.35	-25.85	68.2	28.19	36.99	15.3	38.13	200	184	A	H
													H
													H
	*	7025	98.44	-	-	85.42	36	15.01	37.99	400	78	P	V
	*	7025	90.32	-	-	77.3	36	15.01	37.99	400	78	A	V
		7209.12	53.1	-35.1	88.2	39.02	36.92	15.26	38.1	400	78	P	V
		7245	42.33	-25.87	68.2	28.17	36.99	15.3	38.13	400	78	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 8 - 6875~7125MHz

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full CH 207 6985MHz	*	6985	97.76	-	-	84.88	35.87	14.97	37.96	200	188	P	H
	*	6985	89.43	-	-	76.55	35.87	14.97	37.96	200	188	A	H
		7149.48	52.54	-35.66	88.2	38.73	36.7	15.18	38.07	200	188	P	H
		7128.04	42.3	-25.9	68.2	28.63	36.57	15.15	38.05	200	188	A	H
													H
													H
	*	6985	99.28	-	-	86.4	35.87	14.97	37.96	200	71	P	V
	*	6985	90.83	-	-	77.95	35.87	14.97	37.96	200	71	A	V
		7217.64	52.42	-35.78	88.2	38.32	36.94	15.27	38.11	200	71	P	V
		7222.44	42.22	-25.98	68.2	28.12	36.94	15.27	38.11	200	71	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

[illegible]

Emission below 1GHz

WIFI 802.11ax HE20 Partial 106 (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/54 LF		87.23	31.96	-8.04	40	51.55	14.31	1.79	35.69	-	-	P	H
		108.57	34.24	-9.26	43.5	50.74	17.16	2	35.66	-	-	P	H
		157.07	31.92	-11.58	43.5	48.28	16.85	2.37	35.58	-	-	P	H
		176.47	28.25	-15.25	43.5	46	15.29	2.5	35.54	-	-	P	H
		291.9	25.85	-20.15	46	38.72	19.25	3.18	35.3	-	-	P	H
		718.7	38.36	-7.64	46	40.34	27.11	4.93	34.02	-	-	P	H
													H
													H
													H
													H
													H
													H
		47.46	33.95	-6.05	40	52.8	15.52	1.37	35.74	-	-	P	V
		87.23	30.69	-9.31	40	50.28	14.31	1.79	35.69	-	-	P	V
		108.57	36.64	-6.86	43.5	53.14	17.16	2	35.66	-	-	P	V
		176.47	29.69	-13.81	43.5	47.44	15.29	2.5	35.54	-	-	P	V
		310.33	25.66	-20.34	46	38.26	19.38	3.27	35.25	-	-	P	V
		711.91	37.71	-8.29	46	40.12	26.74	4.9	34.05	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Note symbol

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



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
5955MHz		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Margin (dB)
 = Level(dBμV/m) – LimitLine(dBμV/m)
 = 55.45(dBμV/m) – 88.2(dBμV/m)
 = -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54(dBμV/m)
2. Margin (dB) = Level(dBμV/m) – LimitLine(dBμV/m)
 = 43.54 (dBμV/m) – 68.2(dBμV/m)
 = -24.66(dB)

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



Appendix D. Radiated Spurious Emission Plots

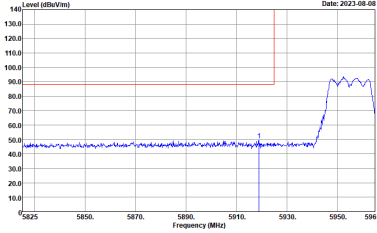
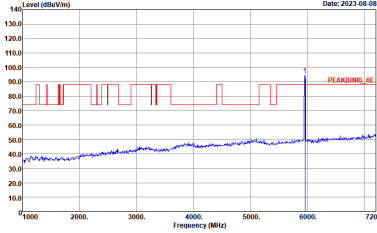
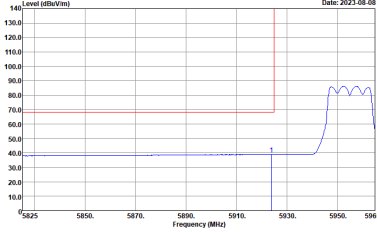
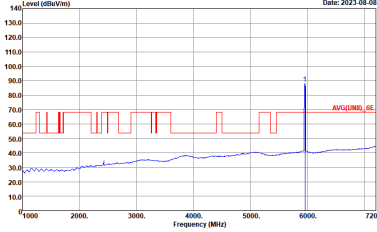
Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	18.2~22.4°C
		Relative Humidity :	66.8~69.1%

Note symbol

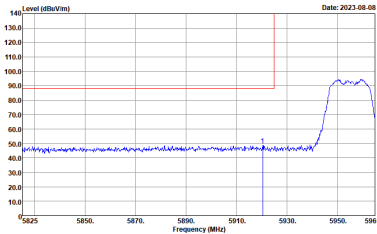
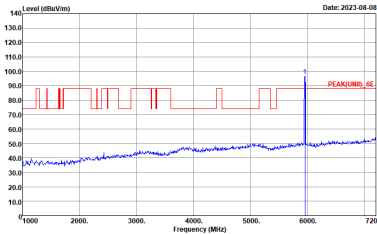
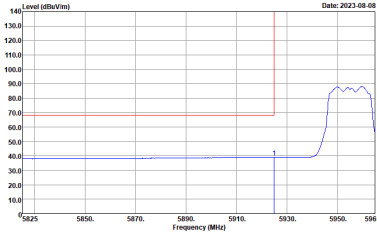
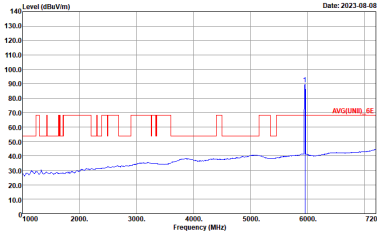
-L	Low channel location
-R	High channel location



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

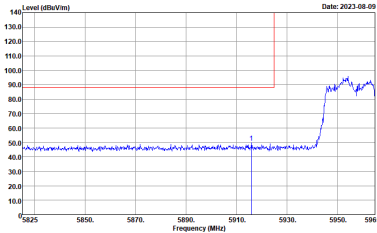
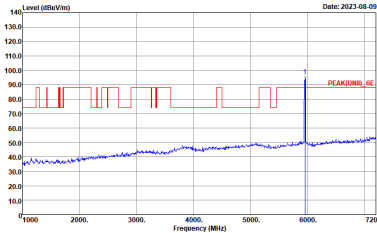
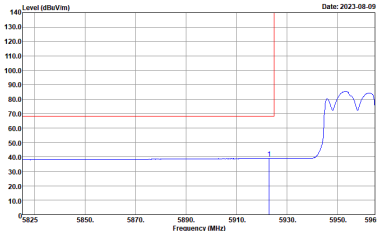
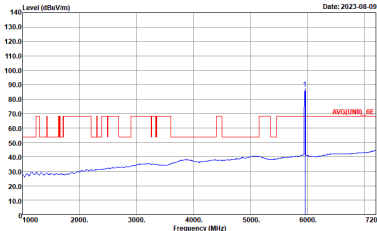
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02360_221104 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT)_6E 3m 91200_02360_221104 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02360_221104 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG(UNIT)_6E 3m 91200_02360_221104 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



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

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG(UNIT)_6E 3m 91200_02360_221104 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto