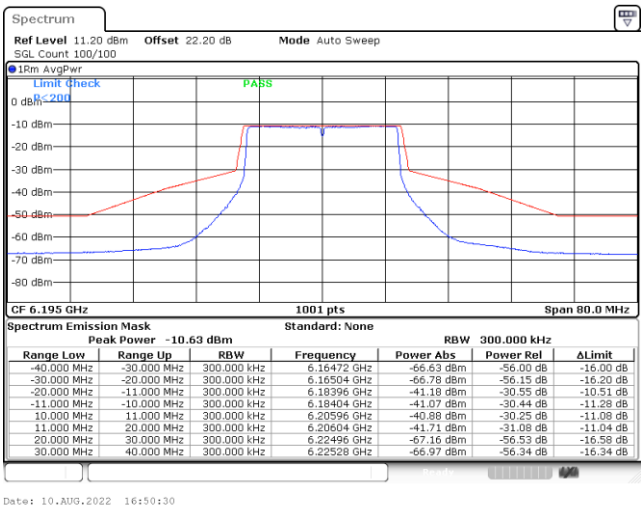
MIMO <Ant. 9+8(8)>

EUT Mode :	802.11ax HE20 Full RU

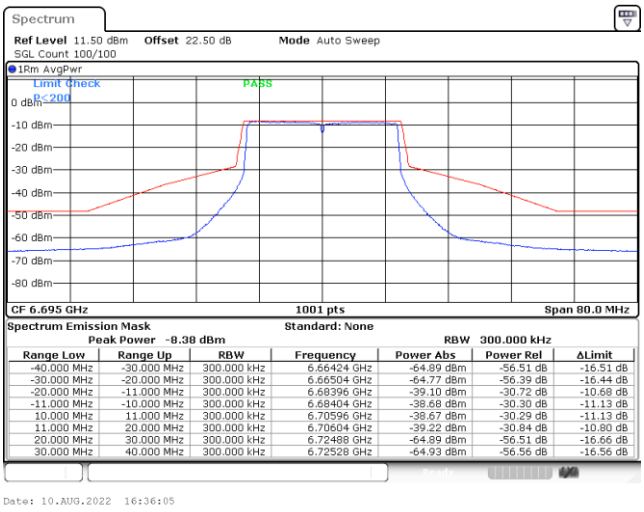
Plot on Channel 6195MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.16472 GHz	-66.63 dBm	-56.00 dB	-16.00 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.16504 GHz	-66.78 dBm	-56.15 dB	-16.20 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.18396 GHz	-41.18 dBm	-30.55 dB	-10.51 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.18404 GHz	-41.07 dBm	-30.44 dB	-11.28 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.20596 GHz	-40.88 dBm	-30.25 dB	-11.08 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.20604 GHz	-41.71 dBm	-31.08 dB	-11.04 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.22496 GHz	-67.16 dBm	-56.53 dB	-16.58 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.22528 GHz	-66.97 dBm	-56.34 dB	-16.34 dB

Date: 10.AUG.2022 16:50:30

Plot on Channel 6695MHz



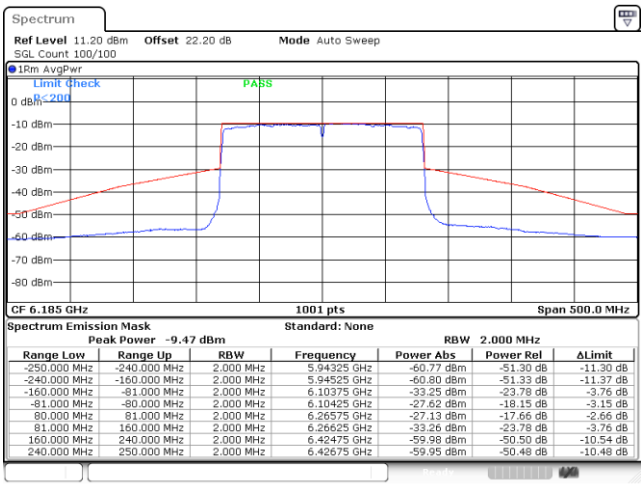
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.66424 GHz	-64.89 dBm	-56.51 dB	-16.51 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.66504 GHz	-64.77 dBm	-56.39 dB	-16.44 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.68396 GHz	-39.10 dBm	-30.72 dB	-10.68 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.68404 GHz	-38.68 dBm	-30.30 dB	-11.13 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.70596 GHz	-38.67 dBm	-30.29 dB	-11.13 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.70604 GHz	-39.22 dBm	-30.84 dB	-10.80 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.72488 GHz	-64.89 dBm	-56.51 dB	-16.66 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.72528 GHz	-64.93 dBm	-56.56 dB	-16.56 dB

Date: 10.AUG.2022 16:36:05

MIMO <Ant. 9+8(9)>

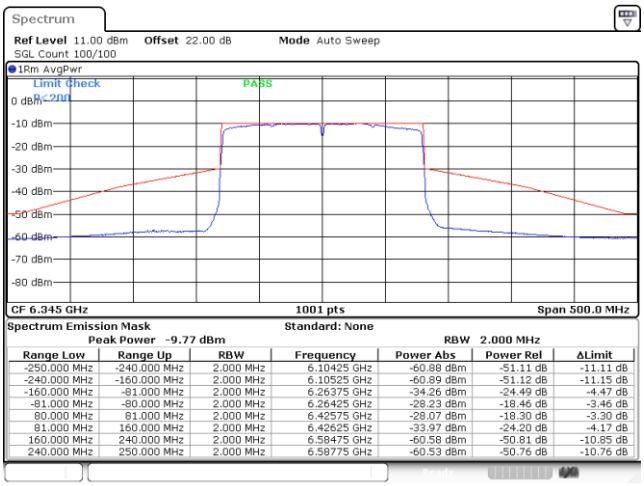
EUT Mode :	802.11ax HE160 Full RU

Plot on Channel 6185MHz



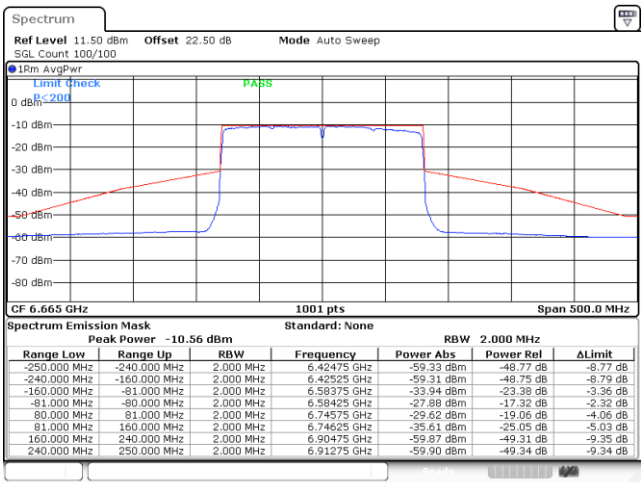
Date: 10.AUG.2022 11:50:35

Plot on Channel 6345MHz



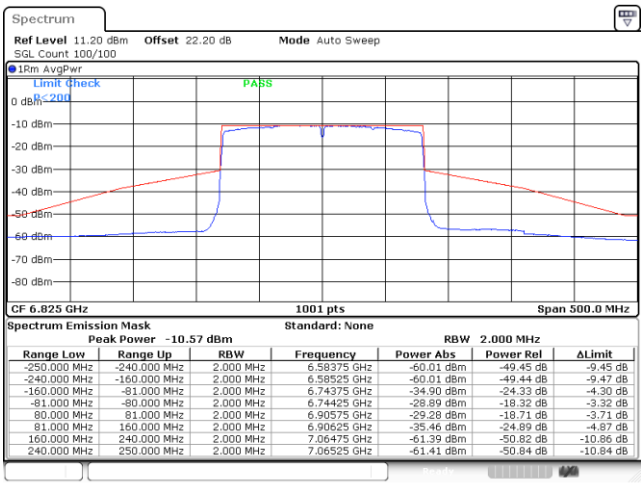
Date: 10.AUG.2022 11:58:14

Plot on Channel 6665MHz



Date: 10.AUG.2022 13:44:17

Plot on Channel 6825MHz

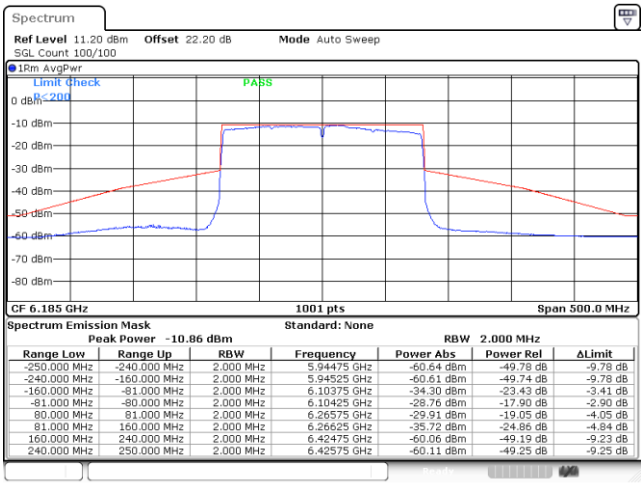


Date: 10.AUG.2022 14:48:00

MIMO <Ant. 9+8(8)>

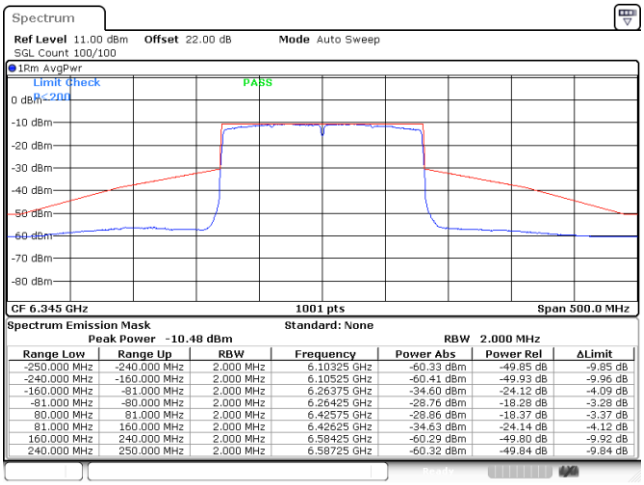
EUT Mode :	802.11ax HE160 Full RU

Plot on Channel 6185MHz



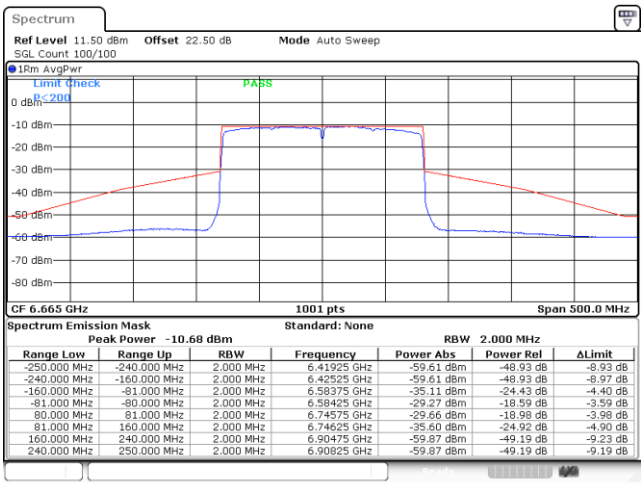
Date: 10.AUG.2022 11:51:11

Plot on Channel 6345MHz



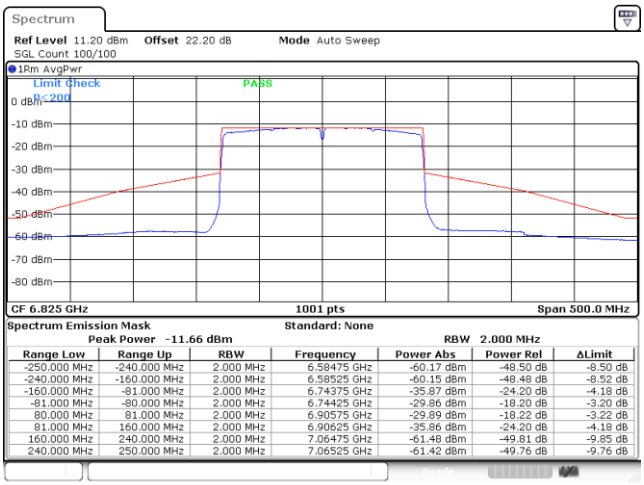
Date: 10.AUG.2022 11:58:59

Plot on Channel 6665MHz



Date: 10.AUG.2022 13:44:59

Plot on Channel 6825MHz



Date: 10.AUG.2022 14:48:50

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:

$BW\ \ UT$: Transmission bandwidth of EUT signal

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

$fc1$: Center frequency of EUT transmission

$fc2$: Center frequency of simulated incumbent signal

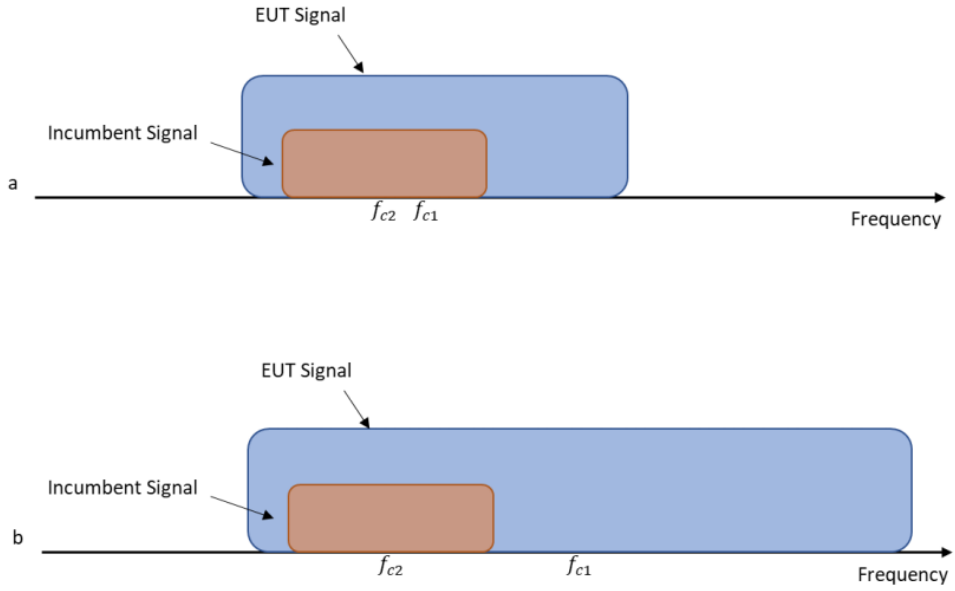


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.
Section I) Contention Based Protocol
Conducted method Step-by-Step Procedure, Conducted Setup

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

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

3.5.4 Test Setup

Conducted Setup

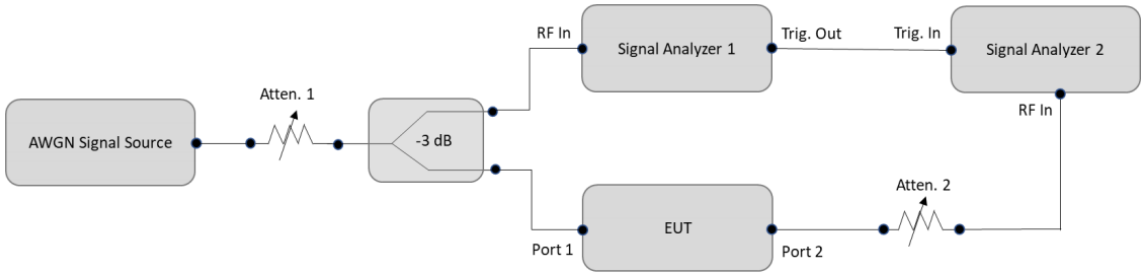


Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

3.5.5 Support Unit used in test configuration and system

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

3.5.6 Test Summary of Contention Based Protocol Test

Test Engineer :	PH Yang	Temperature :	24~26℃
		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	-70.95	100	-62	-74.15	12.15
					Result: Stop Transmission			
				-74.95	< 90	-62	-78.15	16.15
					Result: Minimal Operation			
				-75.95	0	-62	-79.15	17.15
					Result: Normal Operation			
	6185	160	6110	-65.78	100	-62	-68.98	6.98
					Result: Stop Transmission			
				-69.78	< 90	-62	-72.98	10.98
					Result: Minimal Operation			
				-70.78	0	-62	-73.98	11.98
					Result: Normal Operation			
			6185	-60.66	100	-62	-63.86	1.86
					Result: Stop Transmission			
				-64.66	< 90	-62	-67.86	5.86
					Result: Minimal Operation			
				-65.66	0	-62	-68.86	6.86
					Result: Normal Operation			
			6260	-65.62	100	-62	-68.82	6.82
					Result: Stop Transmission			
				-69.62	< 90	-62	-72.82	10.82
					Result: Minimal Operation			
				-70.62	0	-62	-73.82	11.82
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.2 dBi).

Note 2: The antenna gain has included the cable loss.

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	-70.76	100	-62	-73.96	11.96
					Result: Stop Transmission			
				-74.76	< 90	-62	-77.96	15.96
					Result: Minimal Operation			
				-75.76	0	-62	-78.96	16.96
					Result: Normal Operation			
	6505	160	6430	-64.75	100	-62	-67.95	5.95
					Result: Stop Transmission			
				-68.75	< 90	-62	-71.95	9.95
					Result: Minimal Operation			
				-69.75	0	-62	-72.95	10.95
					Result: Normal Operation			
			6505	-59.85	100	-62	-63.05	1.05
					Result: Stop Transmission			
				-63.85	< 90	-62	-67.05	5.05
					Result: Minimal Operation			
				-64.85	0	-62	-68.05	6.05
					Result: Normal Operation			
			6580	-64.65	100	-62	-67.85	5.85
					Result: Stop Transmission			
				-68.65	< 90	-62	-71.85	9.85
					Result: Minimal Operation			
				-69.65	0	-62	-72.85	10.85
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.2 dBi).

Note 2: The antenna gain has included the cable loss.

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	-66.69	100	-62	-69.89	7.89
					Result: Stop Transmission			
				-70.69	< 90	-62	-73.89	11.89
					Result: Minimal Operation			
				-71.69	0	-62	-74.89	12.89
					Result: Normal Operation			
	6665	160	6590	-67.55	100	-62	-70.75	8.75
					Result: Stop Transmission			
				-71.55	< 90	-62	-74.75	12.75
					Result: Minimal Operation			
				-72.55	0	-62	-75.75	13.75
					Result: Normal Operation			
			6665	-62.78	100	-62	-65.98	3.98
					Result: Stop Transmission			
				-66.78	< 90	-62	-69.98	7.98
					Result: Minimal Operation			
				-67.78	0	-62	-70.98	8.98
					Result: Normal Operation			
			6740	-66.75	100	-62	-69.95	7.95
					Result: Stop Transmission			
				-70.75	< 90	-62	-73.95	11.95
					Result: Minimal Operation			
				-71.75	0	-62	-74.95	12.95
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.2 dBi).

Note 2: The antenna gain has included the cable loss.

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

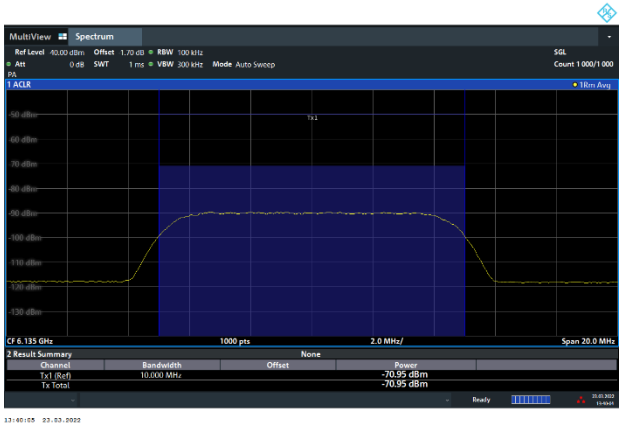
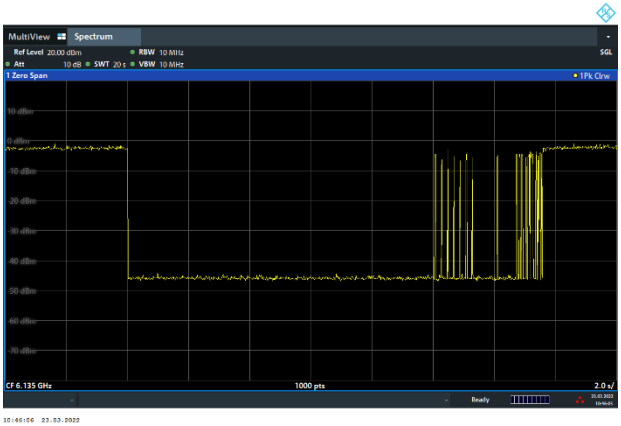
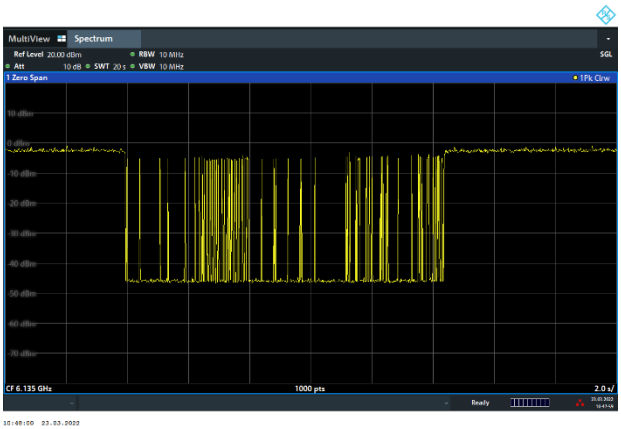
Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-70.11	100	-62	-74.01	12.01
					Result: Stop Transmission			
				-74.11	< 90	-62	-78.01	16.01
					Result: Minimal Operation			
				-75.11	0	-62	-79.01	17.01
					Result: Normal Operation			
	6985	160	6910	-63.94	100	-62	-67.84	5.84
					Result: Stop Transmission			
				-67.94	< 90	-62	-71.84	9.84
					Result: Minimal Operation			
				-68.94	0	-62	-72.84	10.84
					Result: Normal Operation			
			6985	-61.15	100	-62	-65.05	3.05
					Result: Stop Transmission			
				-65.15	< 90	-62	-69.05	7.05
					Result: Minimal Operation			
				-66.15	0	-62	-70.05	8.05
					Result: Normal Operation			
			7060	-64.18	100	-62	-68.08	6.08
					Result: Stop Transmission			
				-68.18	< 90	-62	-72.08	10.08
					Result: Minimal Operation			
				-69.18	0	-62	-73.08	11.08
					Result: Normal Operation			

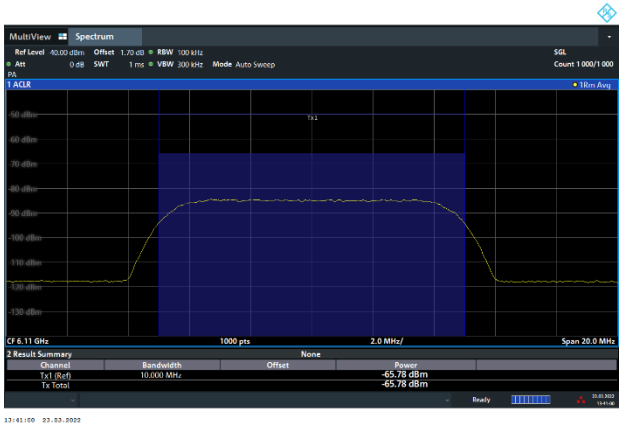
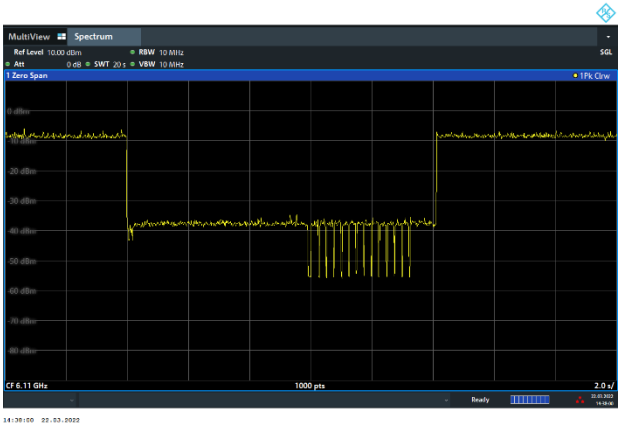
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.9 dBi).

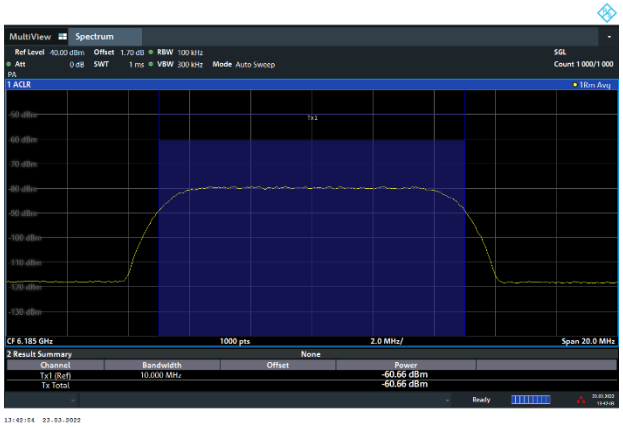
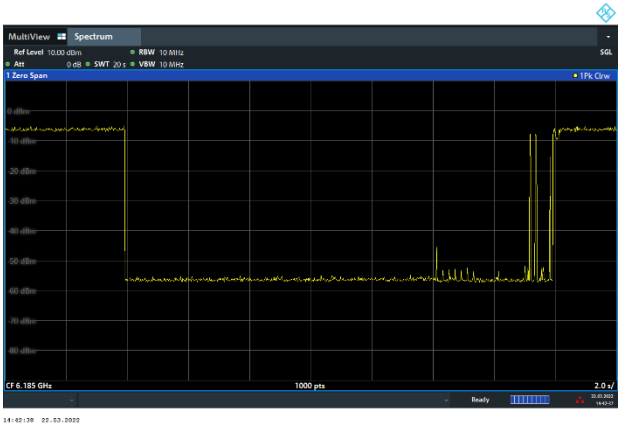
Note 2: The antenna gain has included the cable loss.

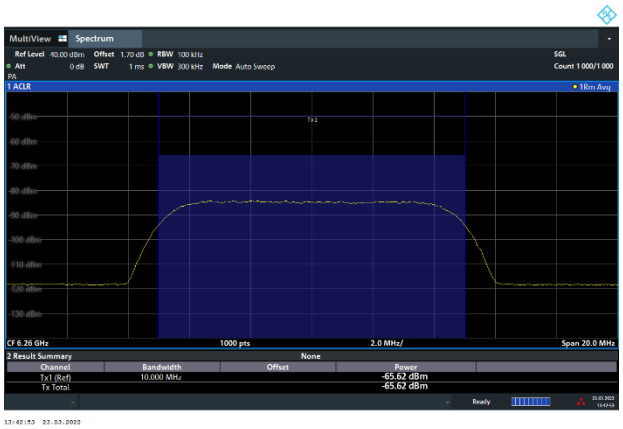
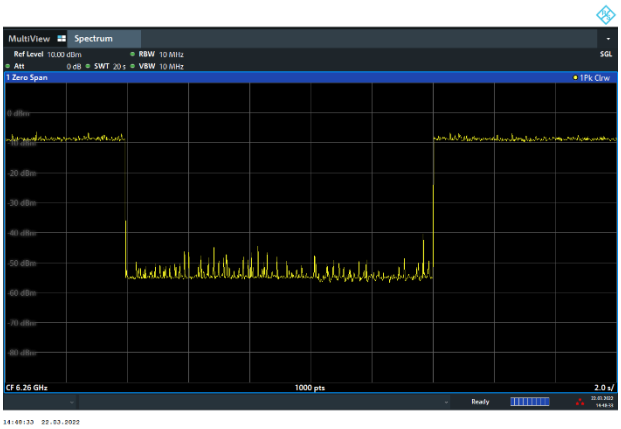
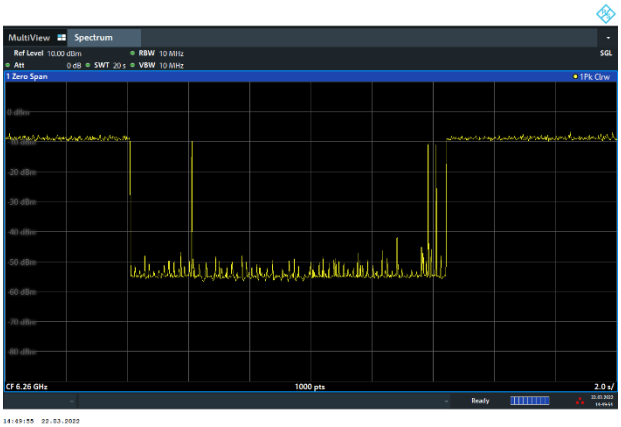
Note 3: Margin = Regulated Threshold level - Adjusted Power.

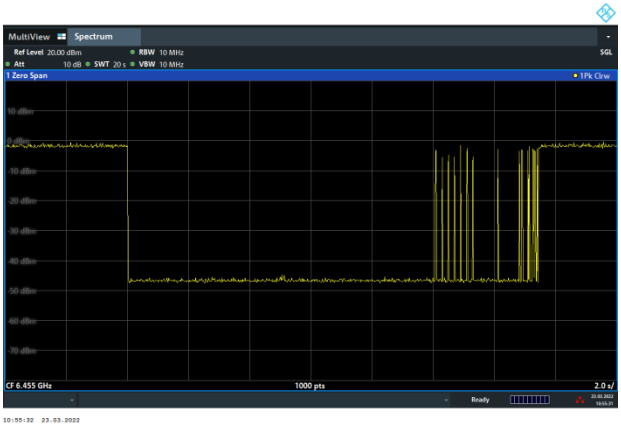
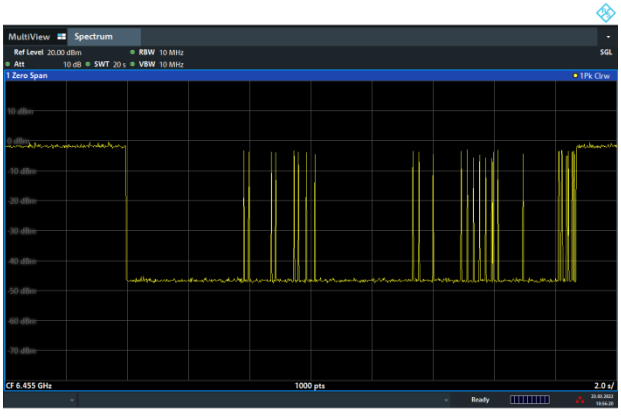
3.5.7 Test Plots of Contention Based Protocol Test

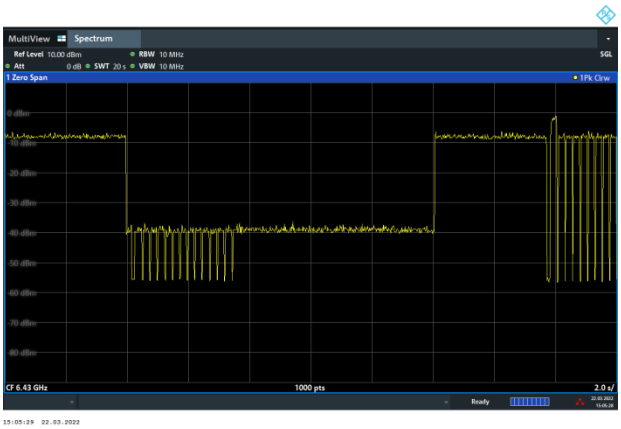
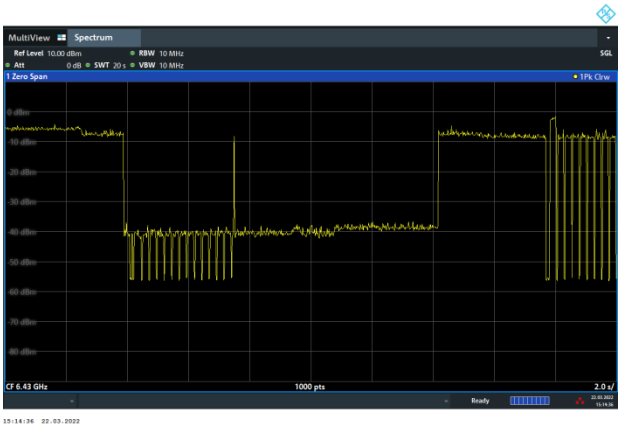
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -70.95dBm	802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -71.95dBm	802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.
	

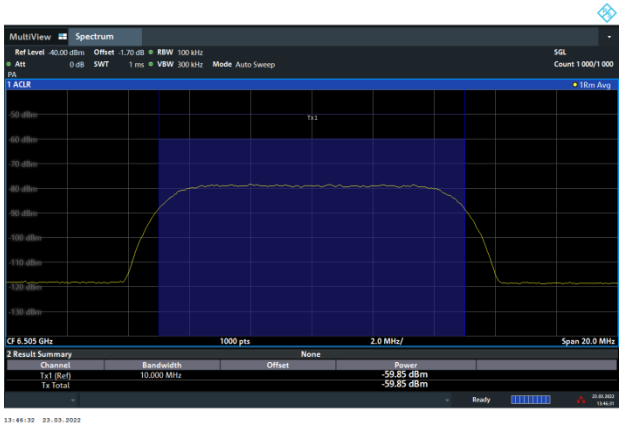
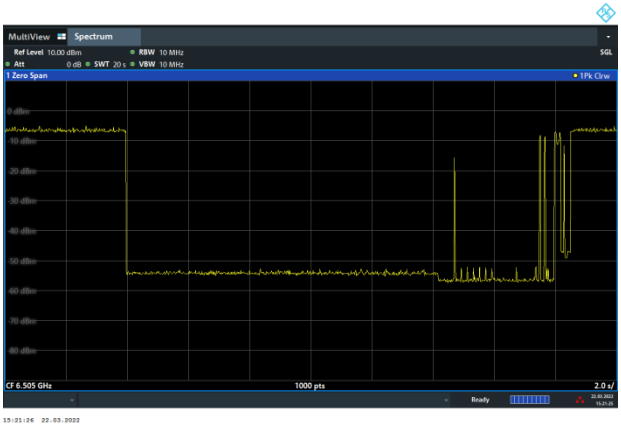
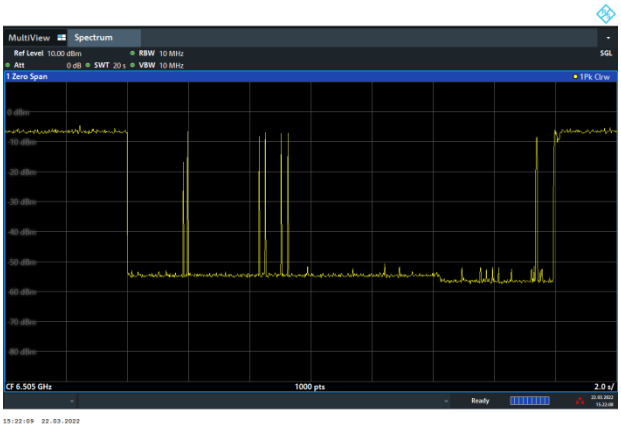
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE160) / 6110MHz (Lower edge) Threshold Level (TL) = -65.78dBm	802.11ax (HE160) / CH47 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6110MHz (Lower edge) Threshold Level (TL) = -66.78dBm	802.11ax (HE160) / CH47 (Lower edge) Transmit when the interferer is 1dB lower.
	

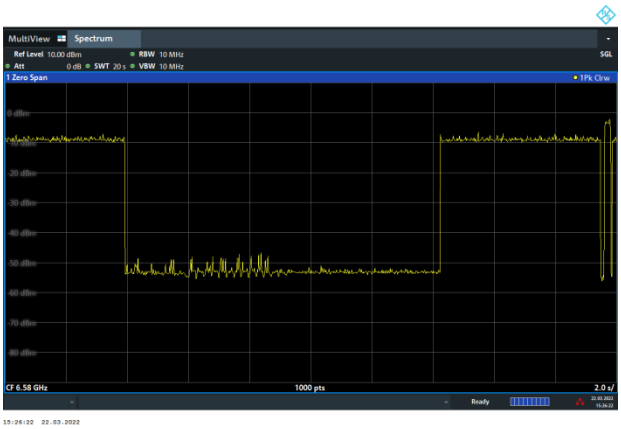
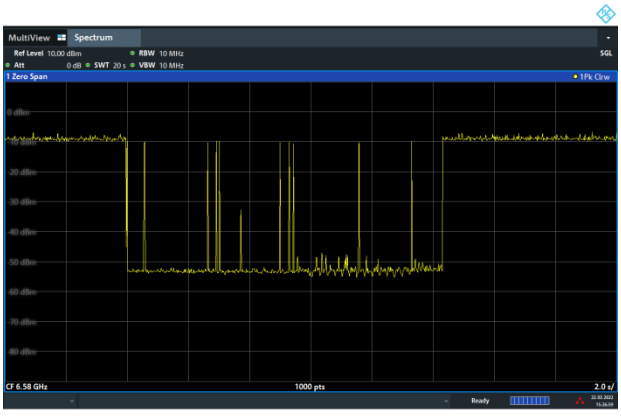
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE160) / 6185MHz (Middle) Threshold Level (TL) = -60.66dBm	802.11ax (HE160) / CH47 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6185MHz (Middle) Threshold Level (TL) = -61.66dBm	802.11ax (HE160) / CH47 (Middle) Transmit when the interferer is 1dB lower.
	

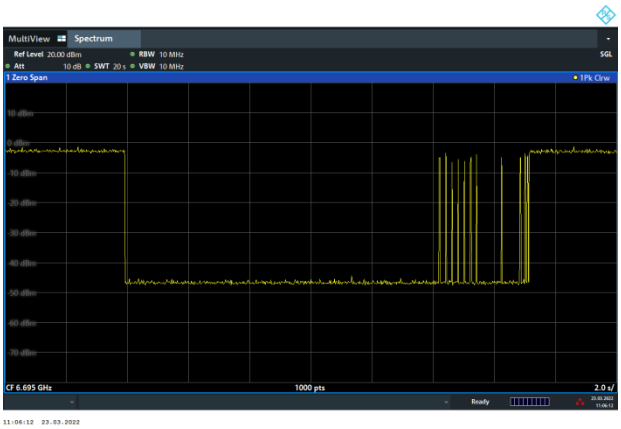
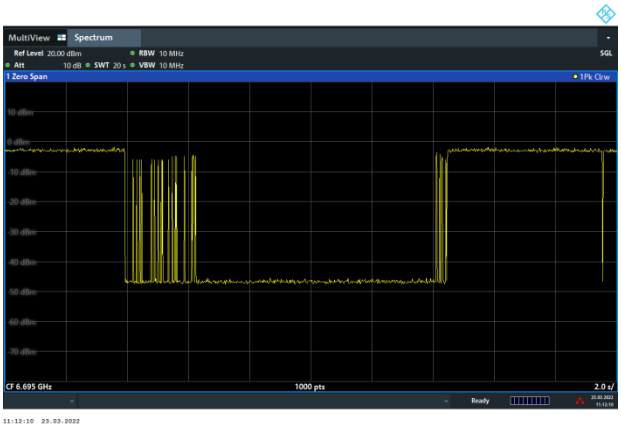
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE160) / 6260MHz (Upper edge) Threshold Level (TL) = -65.62dBm	802.11ax (HE160) / CH47 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6260MHz (Upper edge) Threshold Level (TL) = -66.62dBm	802.11ax (HE160) / CH47 (Upper edge) Transmit when the interferer is 1dB lower.
	

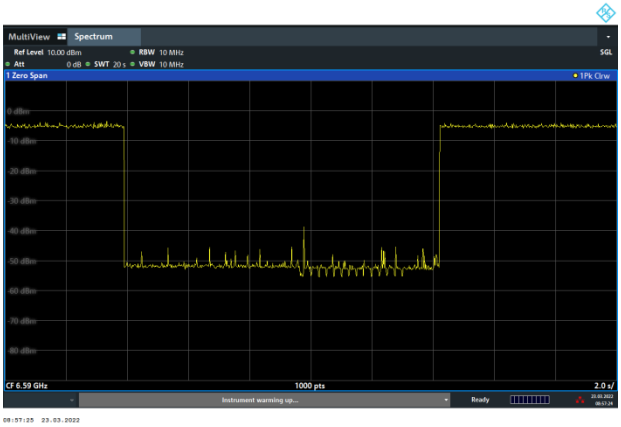
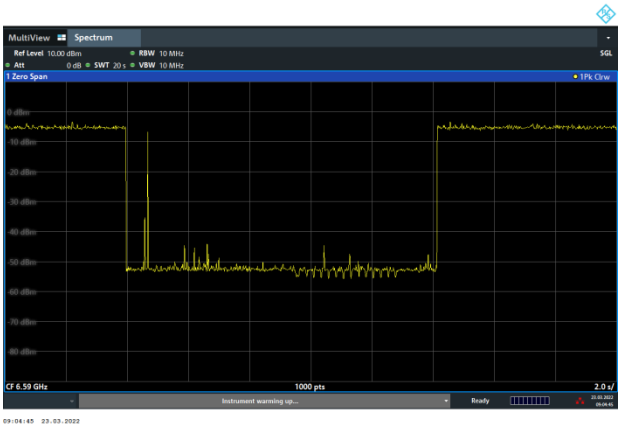
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE20) / 6455MHz Threshold Level (TL) = -70.76dBm	802.11ax (HE20) / CH101 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6455MHz Threshold Level (TL) = -71.76dBm	802.11ax (HE20) / CH101 Transmit when the interferer is 1dB lower.
	

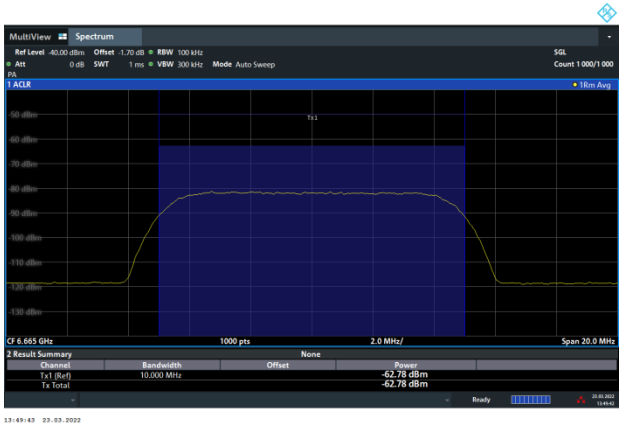
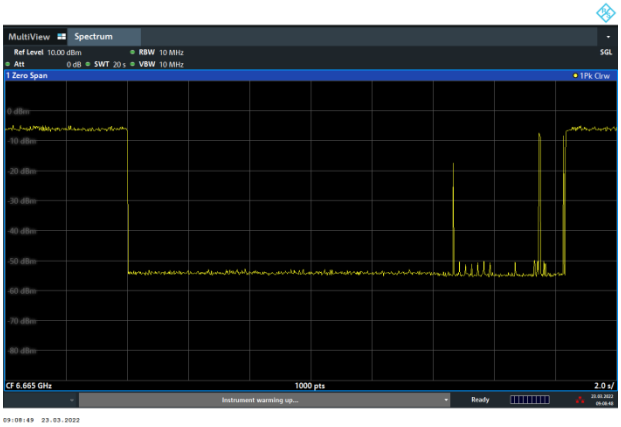
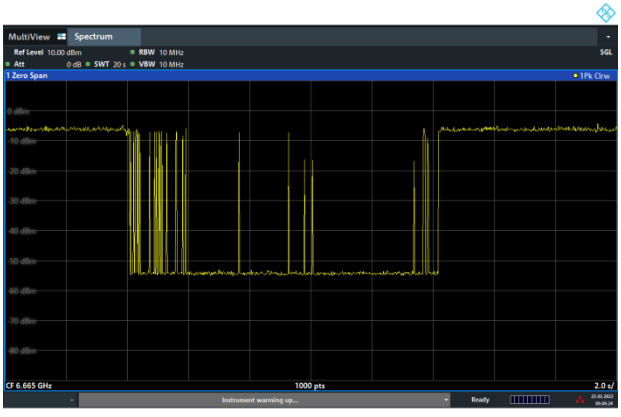
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE160) / 6430MHz (Lower edge) Threshold Level (TL) = -64.75dBm	802.11ax (HE160) / CH111 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6430MHz (Lower edge) Threshold Level (TL) = -65.75dBm	802.11ax (HE160) / CH111 (Lower edge) Transmit when the interferer is 1dB lower.
	

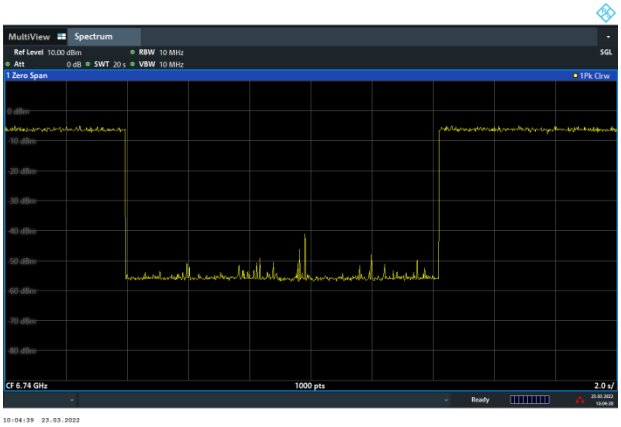
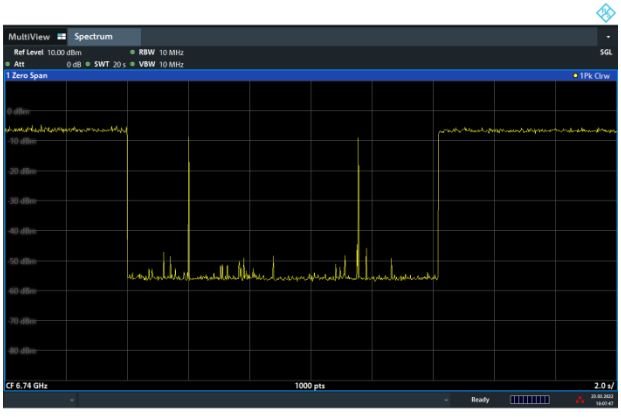
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE160) / 6505MHz (Middle) Threshold Level (TL) = -59.85dBm	802.11ax (HE160) / CH111 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6505MHz (Middle) Threshold Level (TL) = -60.85dBm	802.11ax (HE160) / CH111 (Middle) Transmit when the interferer is 1dB lower.
	

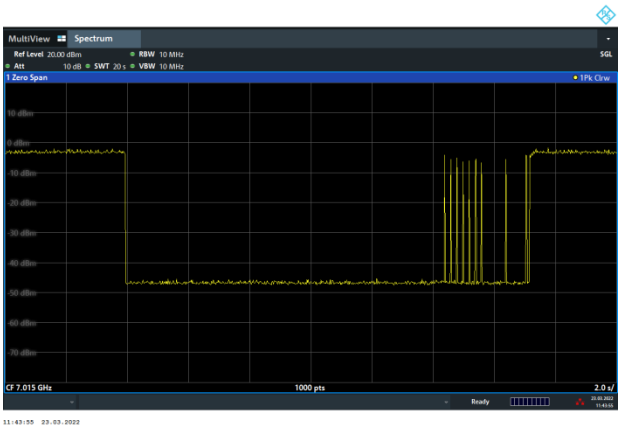
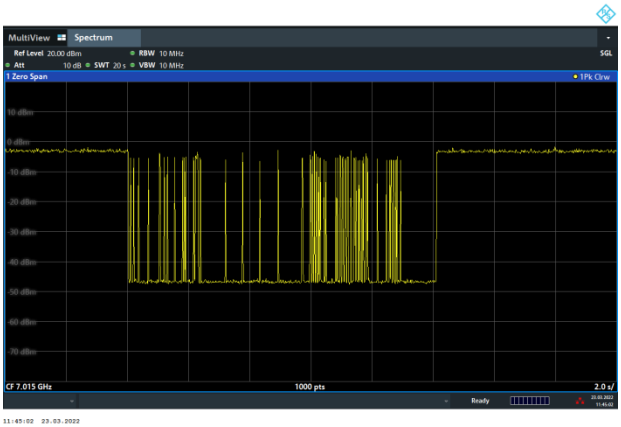
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE160) / 6580MHz (Upper edge) Threshold Level (TL) = -64.65dBm	802.11ax (HE160) / CH111 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6580MHz (Upper edge) Threshold Level (TL) = -65.65dBm	802.11ax (HE160) / CH111 (Upper edge) Transmit when the interferer is 1dB lower.
	

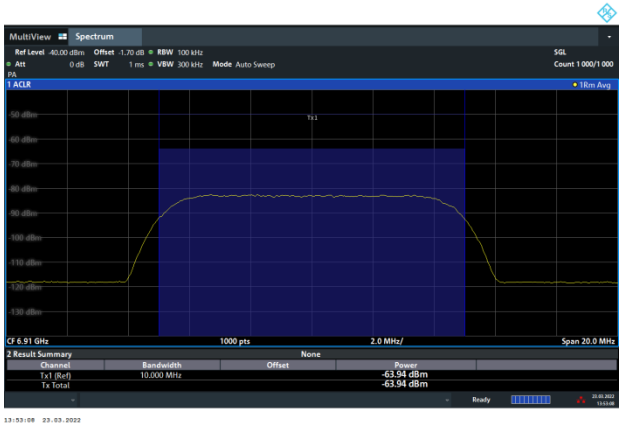
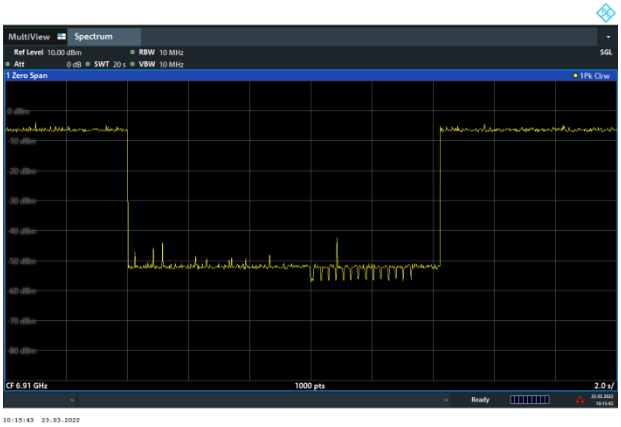
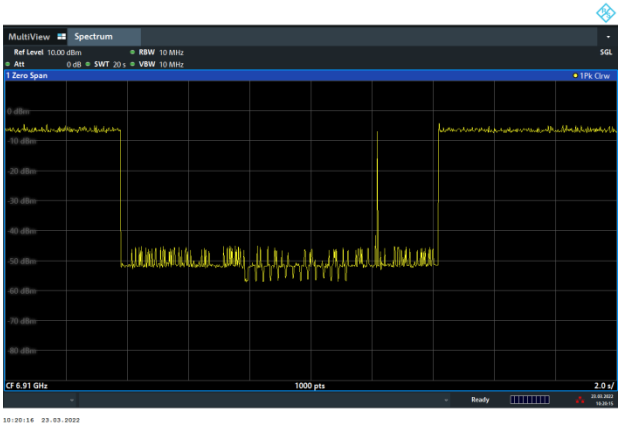
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE20) / 6695MHz Threshold Level (TL) = -66.69dBm	802.11ax (HE20) / CH149 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6695MHz Threshold Level (TL) = -67.69dBm	802.11ax (HE20) / CH149 Transmit when the interferer is 1dB lower.
	

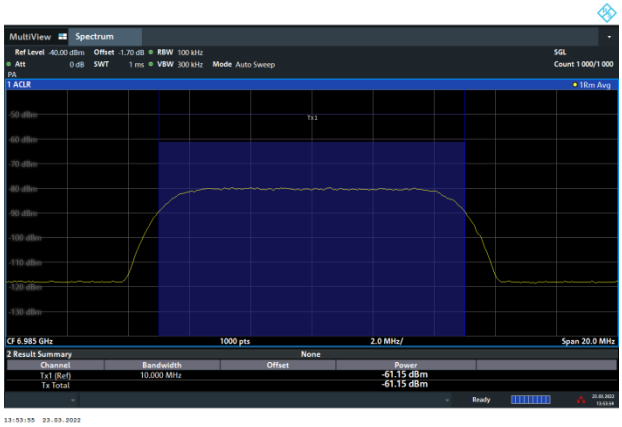
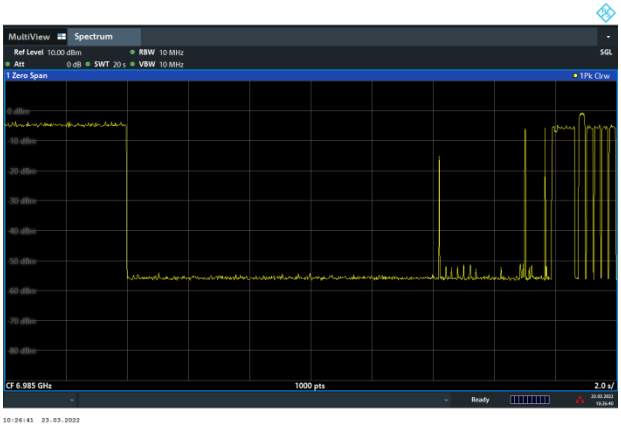
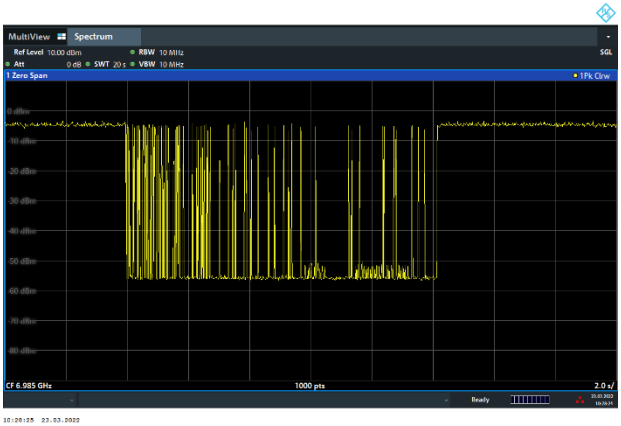
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE160) / 6590MHz (Lower edge) Threshold Level (TL) = -67.55dBm	802.11ax (HE160) / CH143 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6590MHz (Lower edge) Threshold Level (TL) = -68.55dBm	802.11ax (HE160) / CH143 (Lower edge) Transmit when the interferer is 1dB lower.
	

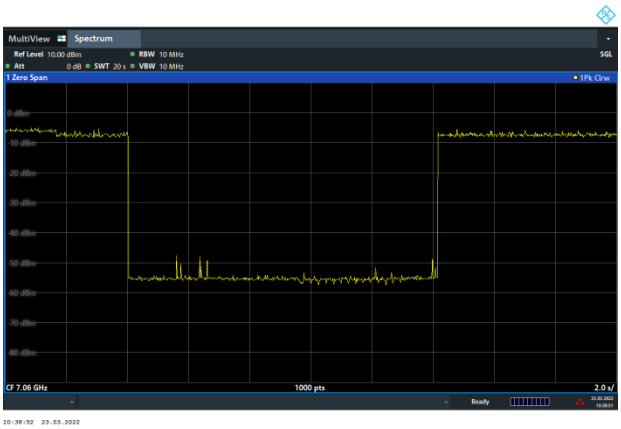
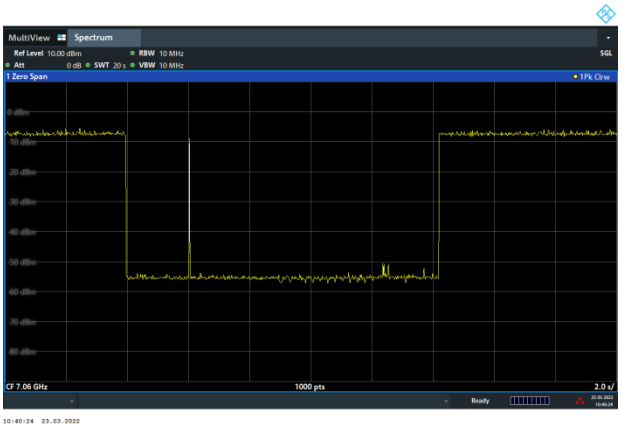
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE160) / 6665MHz (Middle) Threshold Level (TL) = -62.78dBm	802.11ax (HE160) / CH143 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6665MHz (Middle) Threshold Level (TL) = -63.78dBm	802.11ax (HE160) / CH143 (Middle) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE160) / 6740MHz (Upper edge) Threshold Level (TL) = -66.75dBm	802.11ax (HE160) / CH143 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6740MHz (Upper edge) Threshold Level (TL) = -67.75dBm	802.11ax (HE160) / CH143 (Upper edge) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE20) / 7015MHz Threshold Level (TL) = -70.11dBm	802.11ax (HE20) / CH213 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 7015MHz Threshold Level (TL) = -71.11dBm	802.11ax (HE20) / CH213 Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE160) / 6910MHz (Lower edge) Threshold Level (TL) = -63.94dBm	802.11ax (HE160) / CH207 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6910MHz (Lower edge) Threshold Level (TL) = -64.94dBm	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) = -61.15dBm	802.11ax (HE160) / CH207 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6985MHz (Middle) Threshold Level (TL) = -62.15dBm	802.11ax (HE160) / CH207 (Middle) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE160) / 7060MHz (Upper edge) Threshold Level (TL) = -64.18dBm	802.11ax (HE160) / CH207 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 7060MHz (Upper edge) Threshold Level (TL) = -65.18dBm	802.11ax (HE160) / CH207 (Upper edge) Transmit when the interferer is 1dB lower.
	

3.6 Unwanted Emissions Measurement

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

3.6.1 Limit of Unwanted Emissions

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

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

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:
Unwanted emissions outside of restricted bands are measured with a RMS detector.
In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

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

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

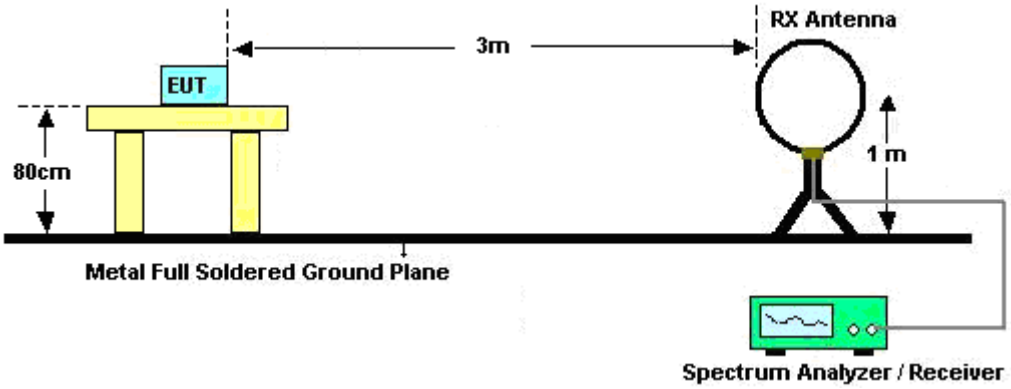
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".

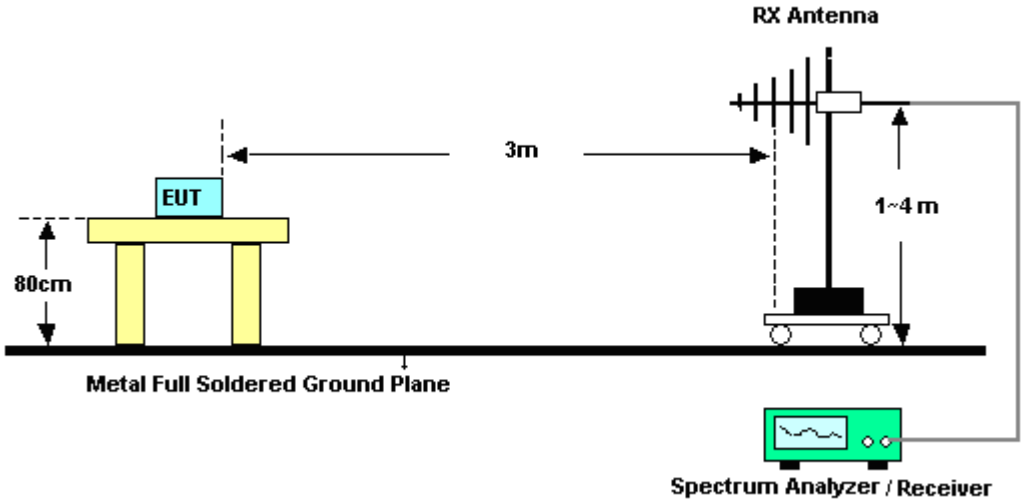
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with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

3.6.4 Test Setup

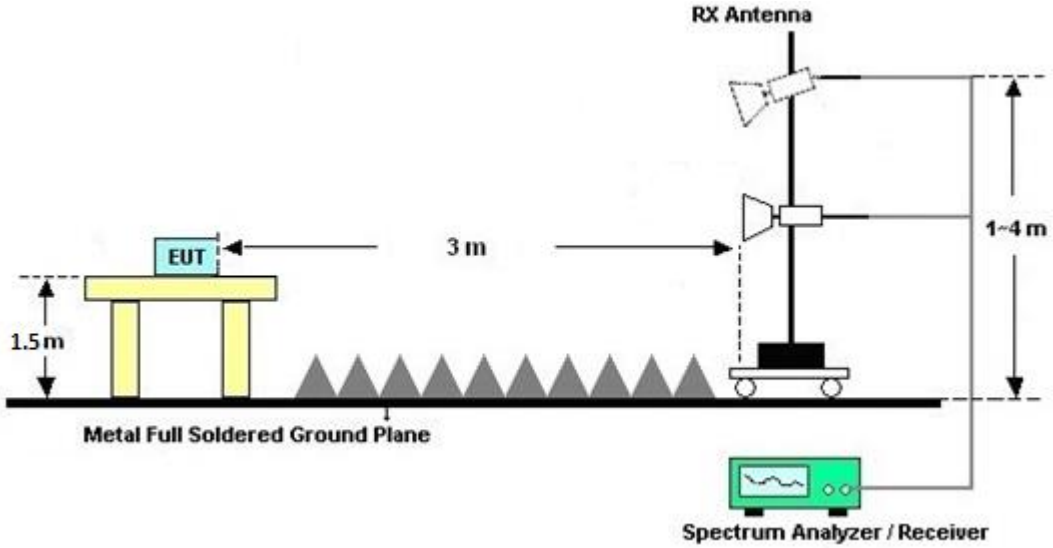
For radiated emissions below 30MHz



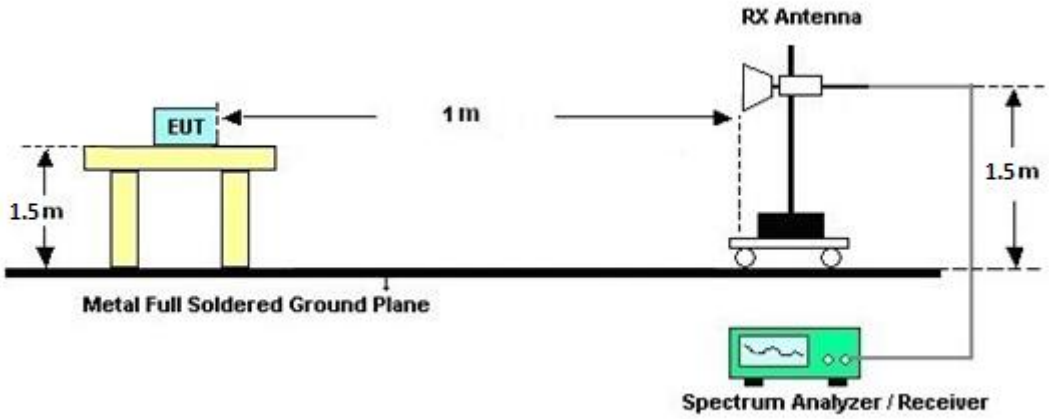
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.6.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

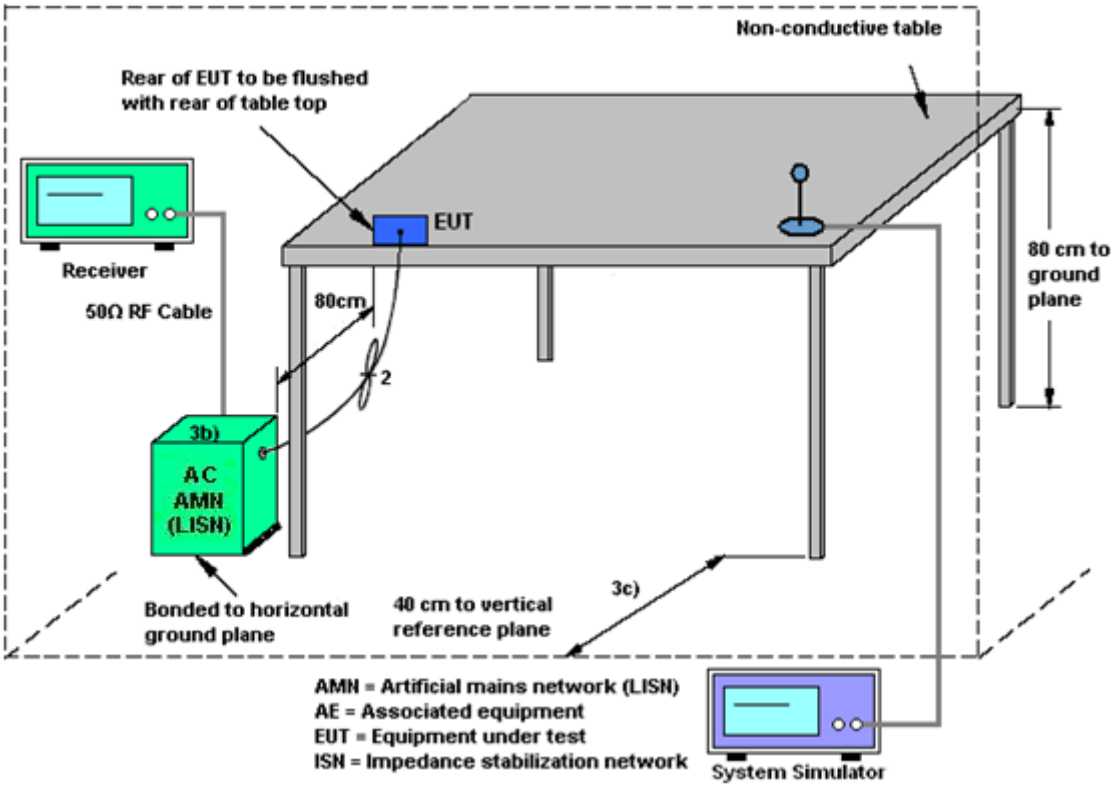
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

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

3.7.4 Test Setup



3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.8 Antenna Requirements

3.8.1 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.2 Antenna Gain

<For CDD Mode>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For power measurements on IEEE 802.11 devices,

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation follows F)2)f)ii) of KDB 662911 D01 v02r01.

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

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

The directional gain of EUT is listed in the following table.

	Ant. 9 (dBi)	Ant. 8 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	3.90	3.20	3.90	6.57
6425 MHz ~ 6525 MHz	3.90	3.20	3.90	6.57
6525 MHz ~ 6875 MHz	3.90	3.20	3.90	6.57
6875 MHz ~ 7125 MHz	3.90	4.00	4.00	6.96

Calculation example:

If a device has two antenna, G_{ANT1}= 3.9dBi; G_{ANT2}=3.2dBi

Directional gain of power measurement = max(3.9, 3.2) + 0 = 3.9 dBi

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

10 x log { { [10^ (3.90 dBi / 20) + 10^ (3.20 dBi / 20)] ^ 2 } / 2 }

= 6.57 dBi

<For SDM Mode>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

SDM mode all transmit signals are completely uncorrelated, then

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

Directional gain = $10*\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10}) / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

	Ant. 9 (dBi)	Ant. 8 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	3.90	3.20	3.56	3.56
6425 MHz ~ 6525 MHz	3.90	3.20	3.56	3.56
6525 MHz ~ 6875 MHz	3.90	3.20	3.56	3.56
6875 MHz ~ 7125 MHz	3.90	4.00	3.95	3.95

Calculation example:

If a device has two antenna, G_{ANT1}= 3.9dBi; G_{ANT2}=3.2dBi

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

10 x log { { [10^ (3.90 dBi / 10) + 10^ (3.20 dBi / 10)] } / 2 }

= 3.56 dBi

<TXBF Modes>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming modes.

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

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

	Ant. 9 (dBi)	Ant. 8 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	3.90	3.20	6.57	6.57
6425 MHz ~ 6525 MHz	3.90	3.20	6.57	6.57
6525 MHz ~ 6875 MHz	3.90	3.20	6.57	6.57
6875 MHz ~ 7125 MHz	3.90	4.00	6.96	6.96

Calculation example:

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

10 x log { { [10^ (3.90 dBi / 20) + 10^ (3.20 dBi / 20)] ^ 2 } / 2 }

= 6.57 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 09, 2021	Mar. 01, 2022~ Apr. 29, 2022	Sep. 08, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Mar. 01, 2022~ Apr. 29, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Mar. 01, 2022~ Apr. 29, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Aug. 04, 2021	Mar. 01, 2022~ Apr. 29, 2022	Aug. 03, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Mar. 01, 2022~ Apr. 29, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000 55006	1GHz~18GHz	May 06, 2021	Mar. 01, 2022~ Apr. 29, 2022	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Mar. 01, 2022~ Apr. 29, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Mar. 01, 2022~ Apr. 29, 2022	Jun. 21, 2022	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Mar. 01, 2022~ Apr. 29, 2022	Oct. 20, 2022	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Mar. 01, 2022~ Apr. 29, 2022	May 06, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 01, 2022~ Apr. 29, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 01, 2022~ Apr. 29, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Mar. 01, 2022~ Apr. 29, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Mar. 01, 2022~ Apr. 29, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 04, 2022	Mar. 01, 2022~ Apr. 29, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 01, 2022~ Mar. 09, 2022	Mar. 10, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Mar. 10, 2022~ Apr. 29, 2022	Mar. 09, 2023	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 02, 2021	Mar. 01, 2022~ Apr. 29, 2022	Jul. 01, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 30, 2021	Mar. 01, 2022~ Apr. 29, 2022	Jun. 29, 2022	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 12, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Apr. 12, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Apr. 12, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Apr. 12, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 12, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Apr. 12, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Apr. 12, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Jan. 13, 2022	Mar. 22, 2022~ Mar. 23, 2022	Jan. 12, 2023	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	Apr. 20, 2021	Mar. 22, 2022~ Mar. 23, 2022	Apr. 19, 2022	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A1	0.5GHz-18GHz	Calibration from System	Mar. 22, 2022~ Mar. 23, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A2	0.5GHz-18GHz	Calibration from System	Mar. 22, 2022~ Mar. 23, 2022	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A1	0.5-18GHz	Calibration from System	Mar. 22, 2022~ Mar. 23, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	STI08-0010(#2)	2GHz-8GHz	Calibration from System	Mar. 22, 2022~ Mar. 23, 2022	Calibration from System	CBP (DF02-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Mar. 08, 2022~ Aug. 11, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-2101002(NO:123)	10MHz~8GHz	Jan. 13, 2022	Mar. 08, 2022~ Aug. 11, 2022	Jan. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Mar. 08, 2022~ Aug. 11, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Mainframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Mar. 08, 2022~ Jun. 23, 2022	Aug. 11, 2022	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.1 dB**

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

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

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

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

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

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

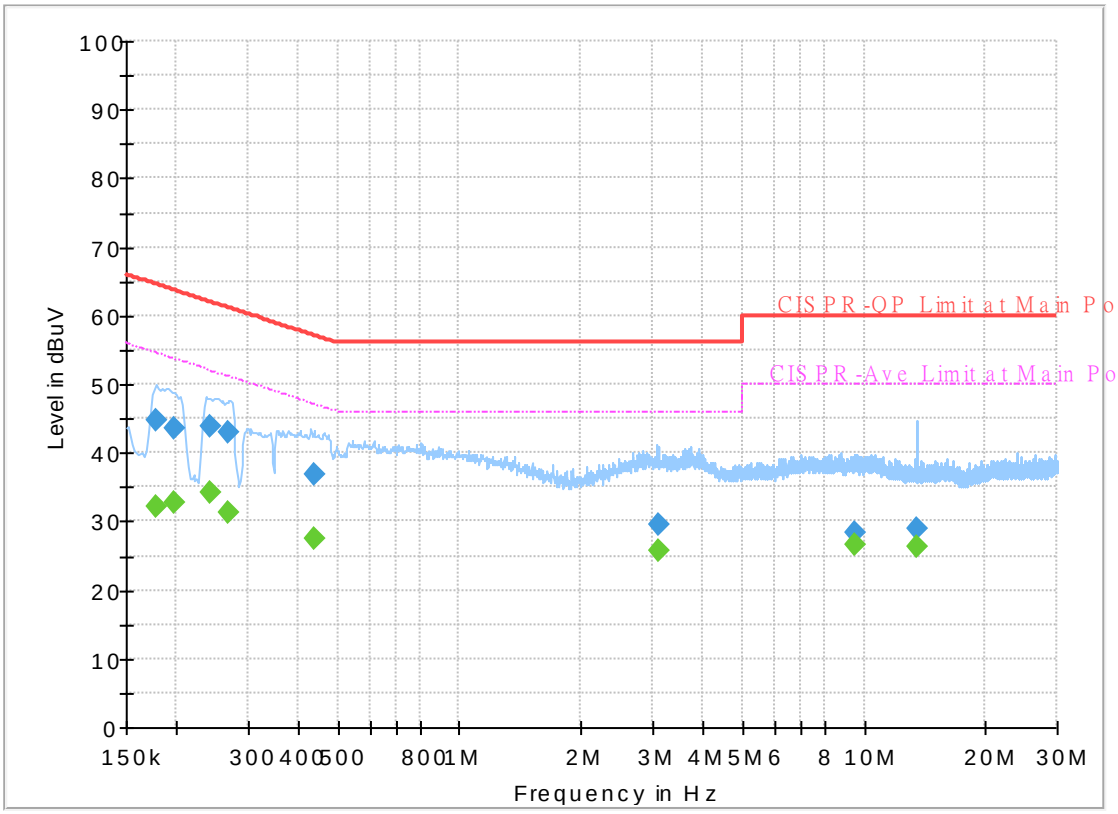
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO :	222202
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



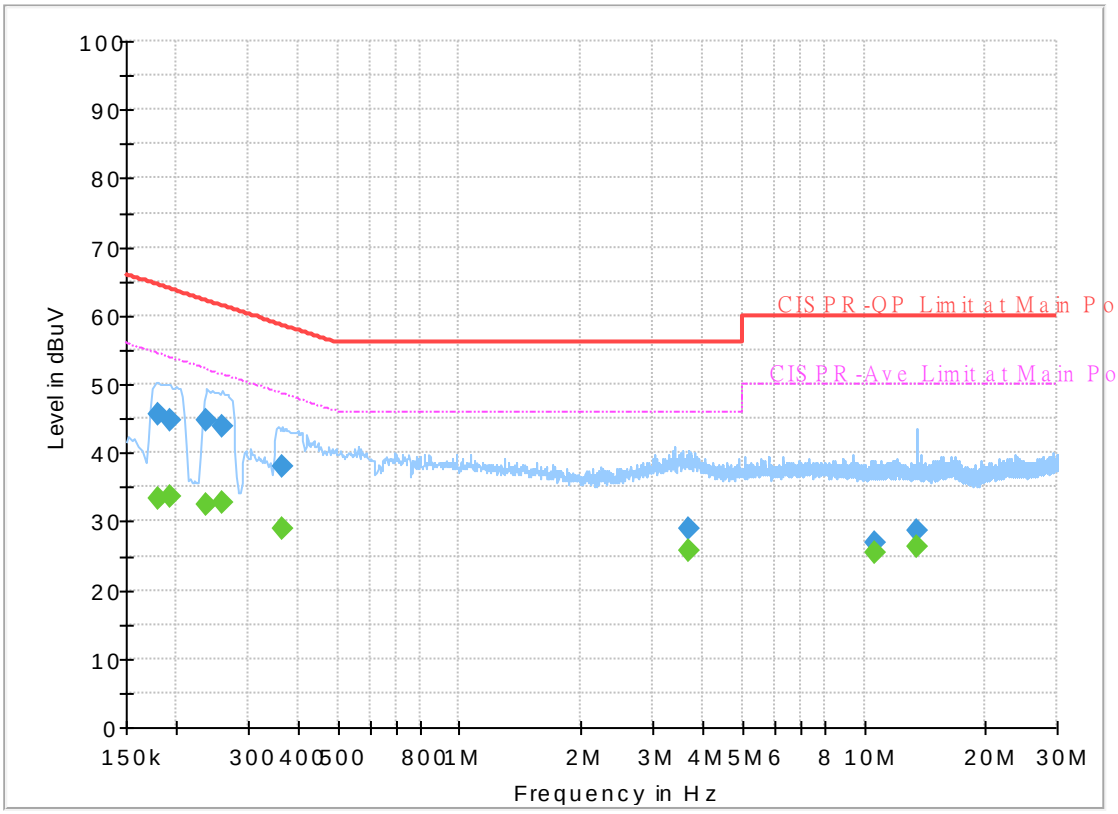
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.177000	---	32.10	54.63	22.53	L1	OFF	19.6
0.177000	44.65	---	64.63	19.98	L1	OFF	19.6
0.197250	---	32.66	53.73	21.07	L1	OFF	19.6
0.197250	43.49	---	63.73	20.24	L1	OFF	19.6
0.242250	---	34.15	52.02	17.87	L1	OFF	19.6
0.242250	44.00	---	62.02	18.02	L1	OFF	19.6
0.269250	---	31.27	51.14	19.87	L1	OFF	19.6
0.269250	43.02	---	61.14	18.12	L1	OFF	19.6
0.438000	---	27.52	47.10	19.58	L1	OFF	19.6
0.438000	36.75	---	57.10	20.35	L1	OFF	19.6
3.108750	---	25.87	46.00	20.13	L1	OFF	19.7
3.108750	29.60	---	56.00	26.40	L1	OFF	19.7
9.471750	---	26.52	50.00	23.48	L1	OFF	20.0
9.471750	28.42	---	60.00	31.58	L1	OFF	20.0
13.560000	---	26.39	50.00	23.61	L1	OFF	20.2
13.560000	29.01	---	60.00	30.99	L1	OFF	20.2

EUT Information

Report NO :	222202
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.179250	---	33.29	54.52	21.23	N	OFF	19.6
0.179250	45.67	---	64.52	18.85	N	OFF	19.6
0.192750	---	33.56	53.92	20.36	N	OFF	19.6
0.192750	44.74	---	63.92	19.18	N	OFF	19.6
0.237750	---	32.48	52.17	19.69	N	OFF	19.6
0.237750	44.64	---	62.17	17.53	N	OFF	19.6
0.258000	---	32.72	51.50	18.78	N	OFF	19.6
0.258000	43.99	---	61.50	17.51	N	OFF	19.6
0.363750	---	29.07	48.64	19.57	N	OFF	19.6
0.363750	38.09	---	58.64	20.55	N	OFF	19.6
3.673500	---	25.74	46.00	20.26	N	OFF	19.8
3.673500	28.86	---	56.00	27.14	N	OFF	19.8
10.592250	---	25.48	50.00	24.52	N	OFF	20.1
10.592250	26.99	---	60.00	33.01	N	OFF	20.1
13.560000	---	26.45	50.00	23.55	N	OFF	20.2
13.560000	28.60	---	60.00	31.40	N	OFF	20.2

Appendix B. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

<CDD Mode>

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5923.14	74.3	-13.9	88.2	66.62	34	10.69	37.01	100	262	P	H
		5923.98	60.94	-7.26	68.2	53.27	34	10.69	37.02	100	262	A	H
	*	5955	111.43	-	-	103.79	33.97	10.71	37.04	100	262	P	H
	*	5955	103.64	-	-	96	33.97	10.71	37.04	100	262	A	H
													H
		5923.84	74.22	-13.98	88.2	66.55	34	10.69	37.02	396	278	P	V
		5924.82	59.58	-8.62	68.2	51.91	34	10.69	37.02	396	278	A	V
	*	5955	108.87	-	-	101.23	33.97	10.71	37.04	396	278	P	V
	*	5955	101.32	-	-	93.68	33.97	10.71	37.04	396	278	A	V
													V
802.11a CH 02 5935MHz		5924.84	81.38	-6.82	88.2	73.71	34	10.69	37.02	100	262	P	H
		5924.96	67.05	-1.15	68.2	59.38	34	10.69	37.02	100	262	A	H
	*	5935	109.47	-	-	101.8	34	10.69	37.02	100	262	P	H
	*	5935	102.07	-	-	94.4	34	10.69	37.02	100	262	A	H
													H
		5924.96	81.1	-7.1	88.2	73.43	34	10.69	37.02	400	127	P	V
		5924.96	67.02	-1.18	68.2	59.35	34	10.69	37.02	400	127	A	V
	*	5935	106.35	-	-	98.68	34	10.69	37.02	400	127	P	V
	*	5935	98.8	-	-	91.13	34	10.69	37.02	400	127	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<CDD Mode>

Band 5 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10760	48.93	-25.07	74	56.72	38.92	14.18	60.89	-	-	P	H
		10760	38.92	-15.08	54	46.71	38.92	14.18	60.89	-	-	A	H
		11910	46.26	-27.74	74	54.24	38.6	14.72	61.3	-	-	P	H
		14496	49.29	-24.71	74	55.46	40.5	16.5	63.17	-	-	P	H
		14496	39.23	-14.77	54	45.4	40.5	16.5	63.17	-	-	A	H
		17865	49.85	-24.15	74	47.35	41.71	18.34	57.55	-	-	P	H
		17968	52.84	-21.16	74	48.93	42.81	18.41	57.31	-	-	P	H
		17968	42.86	-11.14	54	38.95	42.81	18.41	57.31	-	-	A	H
													H
													H
													H
802.11a CH 01 5955MHz													H
		10784	48.27	-25.73	74	55.99	38.97	14.2	60.89	-	-	P	V
		10784	38.19	-15.81	54	45.91	38.97	14.2	60.89	-	-	A	V
		11910	46.42	-27.58	74	54.4	38.6	14.72	61.3	-	-	P	V
		14472	50.06	-23.94	74	56.22	40.53	16.49	63.18	-	-	P	V
		14472	40.01	-13.99	54	46.17	40.53	16.49	63.18	-	-	A	V
		17865	49.79	-24.21	74	47.29	41.71	18.34	57.55	-	-	P	V
		18000	52.42	-21.58	74	48.13	43.1	18.43	57.24	-	-	P	V
		18000	42.4	-11.6	54	38.11	43.1	18.43	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10944	48.64	-25.36	74	56.57	38.66	14.15	60.87	-	-	P	H
		10944	38.57	-15.43	54	46.5	38.66	14.15	60.87	-	-	A	H
		11870	46.9	-27.1	74	54.91	38.54	14.61	61.26	-	-	P	H
		14480	49.18	-24.82	74	55.35	40.52	16.2	63.18	-	-	P	H
		14480	39.19	-14.81	54	45.36	40.52	16.2	63.18	-	-	A	H
		17805	48.94	-25.06	74	47.46	40.87	18.11	57.69	-	-	P	H
		18000	52.75	-21.25	74	48.46	43.1	18.24	57.24	-	-	P	H
		18000	42.73	-11.27	54	38.44	43.1	18.24	57.24	-	-	A	H
													H
													H
													H
802.11a													H
CH 02		10752	48.22	-25.78	74	56.03	38.9	14.05	60.89	-	-	P	V
5935MHz		10752	38.3	-15.7	54	46.11	38.9	14.05	60.89	-	-	A	V
		11870	46.81	-27.19	74	54.82	38.54	14.61	61.26	-	-	P	V
		14472	50.21	-23.79	74	56.37	40.53	16.2	63.18	-	-	P	V
		14472	40.18	-13.82	54	46.34	40.53	16.2	63.18	-	-	A	V
		17805	49.56	-24.44	74	48.08	40.87	18.11	57.69	-	-	P	V
		17944	52.91	-21.09	74	49.29	42.6	18.2	57.37	-	-	P	V
		17944	42.87	-11.13	54	39.25	42.6	18.2	57.37	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10944	48.34	-25.66	74	56.27	38.66	14.28	60.87	-	-	P	H
		10944	38.31	-15.69	54	46.24	38.66	14.28	60.87	-	-	A	H
		12390	45.62	-28.38	74	54.01	38.71	15.03	62.13	-	-	P	H
		14488	49.76	-24.24	74	55.94	40.51	16.49	63.18	-	-	P	H
		14488	39.75	-14.25	54	45.93	40.51	16.49	63.18	-	-	A	H
		17880	52.24	-21.76	74	49.49	41.92	18.35	57.52	-	-	P	H
		17880	42.22	-11.78	54	39.47	41.92	18.35	57.52	-	-	A	H
		18585	38.82	-35.18	74	59.46	37.97	-3.08	55.53	-	-	P	H
													H
													H
													H
802.11a													H
CH 49		10904	48.32	-25.68	74	56.23	38.7	14.26	60.87	-	-	P	V
6195MHz		10904	38.29	-15.71	54	46.2	38.7	14.26	60.87	-	-	A	V
		12390	46.07	-27.93	74	54.46	38.71	15.03	62.13	-	-	P	V
		14472	49.56	-24.44	74	55.72	40.53	16.49	63.18	-	-	P	V
		14472	39.54	-14.46	54	45.7	40.53	16.49	63.18	-	-	A	V
		17976	51.92	-22.08	74	47.93	42.88	18.41	57.3	-	-	P	V
		17976	41.91	-12.09	54	37.92	42.88	18.41	57.3	-	-	A	V
		18585	43.32	-30.68	74	63.96	37.97	-3.08	55.53	150	36	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10952	48.54	-25.46	74	56.48	38.65	14.28	60.87	-	-	P	H
		10952	38.55	-15.45	54	46.49	38.65	14.28	60.87	-	-	A	H
		12830	46.64	-41.56	88.2	53.66	39.43	15.33	61.78	-	-	P	H
		14496	49.29	-24.71	74	55.46	40.5	16.5	63.17	-	-	P	H
		14496	39.26	-14.74	54	45.43	40.5	16.5	63.17	-	-	A	H
		17888	51.95	-22.05	74	49.07	42.03	18.35	57.5	-	-	P	H
		17888	41.91	-12.09	54	39.03	42.03	18.35	57.5	-	-	A	H
		19245	38.16	-35.84	74	57.99	38.1	-2.83	55.1	-	-	P	H
													H
													H
													H
802.11a CH 93 6415MHz													H
		10800	48.24	-25.76	74	55.93	39	14.2	60.89	-	-	P	V
		10800	38.23	-15.77	54	45.92	39	14.2	60.89	-	-	A	V
		12830	46.99	-41.21	88.2	54.01	39.43	15.33	61.78	-	-	P	V
		14496	49.45	-24.55	74	55.62	40.5	16.5	63.17	-	-	P	V
		14496	39.51	-14.49	54	45.68	40.5	16.5	63.17	-	-	A	V
		17960	52.33	-21.67	74	48.52	42.74	18.4	57.33	-	-	P	V
		17960	42.37	-11.63	54	38.56	42.74	18.4	57.33	-	-	A	V
		19245	40.99	-33.01	74	60.82	38.1	-2.83	55.1	150	23	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5924.26	80.92	-7.28	88.2	73.25	34	10.69	37.02	100	286	P	H
		5924.96	65.56	-2.64	68.2	57.89	34	10.69	37.02	100	286	A	H
	*	5955	112.71	-	-	105.07	33.97	10.71	37.04	100	286	P	H
	*	5955	103.05	-	-	95.41	33.97	10.71	37.04	100	286	A	H
802.11ax													H
HE20 Full													H
CH 01		5924.4	81.96	-6.24	88.2	74.29	34	10.69	37.02	268	288	P	V
5955MHz		5923.7	64.43	-3.77	68.2	56.76	34	10.69	37.02	268	288	A	V
	*	5955	110.81	-	-	103.17	33.97	10.71	37.04	268	288	P	V
	*	5955	100.95	-	-	93.31	33.97	10.71	37.04	268	288	A	V
													V
													V
		5924.96	73.31	-14.89	88.2	65.64	34	10.69	37.02	129	282	P	H
		5924.96	67	-1.2	68.2	59.33	34	10.69	37.02	129	282	A	H
	*	5935	90.96	-	-	83.29	34	10.69	37.02	129	282	P	H
	*	5935	79.96	-	-	72.29	34	10.69	37.02	129	282	A	H
802.11ax													H
HE20 Full													H
CH 02		5924.96	75.56	-12.64	88.2	67.89	34	10.69	37.02	312	277	P	V
5935MHz		5924.96	66.86	-1.34	68.2	59.19	34	10.69	37.02	312	277	A	V
	*	5935	90.7	-	-	83.03	34	10.69	37.02	312	277	P	V
	*	5935	80.15	-	-	72.48	34	10.69	37.02	312	277	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<SDM Mode>

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10824	48.39	-25.61	74	56.12	38.93	14.22	60.88	-	-	P	H
		10824	38.36	-15.64	54	46.09	38.93	14.22	60.88	-	-	A	H
		11910	46.16	-27.84	74	54.14	38.6	14.72	61.3	-	-	P	H
		14496	49.36	-24.64	74	55.53	40.5	16.5	63.17	-	-	P	H
		14496	39.34	-14.66	54	45.51	40.5	16.5	63.17	-	-	A	H
		17865	49.32	-24.68	74	46.82	41.71	18.34	57.55	-	-	P	H
		17936	51.89	-22.11	74	48.37	42.52	18.39	57.39	-	-	P	H
		17936	41.86	-12.14	54	38.34	42.52	18.39	57.39	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 01		10928	48.9	-25.1	74	56.83	38.67	14.27	60.87	-	-	P	V
5955MHz		10928	38.89	-15.11	54	46.82	38.67	14.27	60.87	-	-	A	V
		11910	45.55	-28.45	74	53.53	38.6	14.72	61.3	-	-	P	V
		14480	49.06	-24.94	74	55.23	40.52	16.49	63.18	-	-	P	V
		14480	39.05	-14.95	54	45.22	40.52	16.49	63.18	-	-	A	V
		17865	49.87	-24.13	74	47.37	41.71	18.34	57.55	-	-	P	V
		17968	53.47	-20.53	74	49.56	42.81	18.41	57.31	-	-	P	V
		17968	43.53	-10.47	54	39.62	42.81	18.41	57.31	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10880	49.72	-24.28	74	57.6	38.76	14.24	60.88	-	-	P	H
		10880	39.75	-14.25	54	47.63	38.76	14.24	60.88	-	-	A	H
		11870	47.8	-26.2	74	55.81	38.54	14.71	61.26	-	-	P	H
		14472	48.96	-25.04	74	55.12	40.53	16.49	63.18	-	-	P	H
		14472	38.94	-15.06	54	45.1	40.53	16.49	63.18	-	-	A	H
		17805	49.9	-24.1	74	48.42	40.87	18.3	57.69	-	-	P	H
		17888	53.02	-20.98	74	50.14	42.03	18.35	57.5	-	-	P	H
		17888	43.01	-10.99	54	40.13	42.03	18.35	57.5	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 02		10776	48.73	-25.27	74	56.48	38.95	14.19	60.89	-	-	P	V
5935MHz		10776	38.67	-15.33	54	46.42	38.95	14.19	60.89	-	-	A	V
		11870	46.1	-27.9	74	54.11	38.54	14.71	61.26	-	-	P	V
		14488	50.21	-23.79	74	56.39	40.51	16.49	63.18	-	-	P	V
		14488	40.18	-13.82	54	46.36	40.51	16.49	63.18	-	-	A	V
		17805	49.71	-24.29	74	48.23	40.87	18.3	57.69	-	-	P	V
		17952	52.18	-21.82	74	48.46	42.67	18.4	57.35	-	-	P	V
		17952	42.16	-11.84	54	38.44	42.67	18.4	57.35	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10888	48.36	-25.64	74	56.25	38.74	14.25	60.88	-	-	P	H
		10888	38.34	-15.66	54	46.23	38.74	14.25	60.88	-	-	A	H
		12390	47.43	-26.57	74	55.82	38.71	15.03	62.13	-	-	P	H
		14480	49.39	-24.61	74	55.56	40.52	16.49	63.18	-	-	P	H
		14480	39.35	-14.65	54	45.52	40.52	16.49	63.18	-	-	A	H
		17952	52.35	-21.65	74	48.63	42.67	18.4	57.35	-	-	P	H
		17952	42.34	-11.66	54	38.62	42.67	18.4	57.35	-	-	A	H
		18585	38.38	-35.62	74	59.02	37.97	-3.08	55.53	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 49		11000	48.3	-25.7	74	56.25	38.6	14.31	60.86	-	-	P	V
6195MHz		11000	38.3	-15.7	54	46.25	38.6	14.31	60.86	-	-	A	V
		12390	46.74	-27.26	74	55.13	38.71	15.03	62.13	-	-	P	V
		14496	49.36	-24.64	74	55.53	40.5	16.5	63.17	-	-	P	V
		14496	39.41	-14.59	54	45.58	40.5	16.5	63.17	-	-	A	V
		17992	51.87	-22.13	74	47.68	43.03	18.42	57.26	-	-	P	V
		17992	41.85	-12.15	54	37.66	43.03	18.42	57.26	-	-	A	V
		18585	40.91	-33.09	74	61.55	37.97	-3.08	55.53	150	34	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10880	48.31	-25.69	74	56.19	38.76	14.24	60.88	-	-	P	H
		10880	38.28	-15.72	54	46.16	38.76	14.24	60.88	-	-	A	H
		12830	47.01	-41.19	88.2	54.03	39.43	15.33	61.78	-	-	P	H
		14480	49.19	-24.81	74	55.36	40.52	16.49	63.18	-	-	P	H
		14480	39.15	-14.85	54	45.32	40.52	16.49	63.18	-	-	A	H
		17984	52.93	-21.07	74	48.83	42.96	18.42	57.28	-	-	P	H
		17984	42.91	-11.09	54	38.81	42.96	18.42	57.28	-	-	A	H
		19245	39.18	-34.82	74	59.01	38.1	-2.83	55.1	150	27	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 93		10792	48.25	-25.75	74	55.96	38.98	14.2	60.89	-	-	P	V
6415MHz		10792	38.23	-15.77	54	45.94	38.98	14.2	60.89	-	-	A	V
		12830	46.77	-41.43	88.2	53.79	39.43	15.33	61.78	-	-	P	V
		14480	49.46	-24.54	74	55.63	40.52	16.49	63.18	-	-	P	V
		14480	39.44	-14.56	54	45.61	40.52	16.49	63.18	-	-	A	V
		17992	52.65	-21.35	74	48.46	43.03	18.42	57.26	-	-	P	V
		17992	42.64	-11.36	54	38.45	43.03	18.42	57.26	-	-	A	V
		19245	37.4	-36.6	74	57.23	38.1	-2.83	55.1	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5922.44	84.97	-3.23	88.2	77.29	34	10.69	37.01	100	290	P	H
		5922.86	59.31	-8.89	68.2	51.63	34	10.69	37.01	100	290	A	H
	*	5955	112.72	-	-	105.08	33.97	10.71	37.04	100	290	P	H
802.11ax	*	5955	103.47	-	-	95.83	33.97	10.71	37.04	100	290	A	H
HE20													H
Partial													H
106/53		5921.6	80.59	-7.61	88.2	72.91	34	10.69	37.01	380	294	P	V
CH 01		5922.3	56.48	-11.72	68.2	48.8	34	10.69	37.01	380	294	A	V
5955MHz	*	5955	110.47	-	-	102.83	33.97	10.71	37.04	380	294	P	V
	*	5955	101.06	-	-	93.42	33.97	10.71	37.04	380	294	A	V
													V
													V
		5922.44	84.97	-3.23	88.2	77.29	34	10.69	37.01	100	290	P	H
		5922.86	59.31	-8.89	68.2	51.63	34	10.69	37.01	100	290	A	H
	*	5955	112.72	-	-	105.08	33.97	10.71	37.04	100	290	P	H
802.11ax	*	5955	103.47	-	-	95.83	33.97	10.71	37.04	100	290	A	H
HE20													H
Partial													H
106/53		5921.6	80.59	-7.61	88.2	72.91	34	10.69	37.01	380	294	P	V
CH 02		5922.3	56.48	-11.72	68.2	48.8	34	10.69	37.01	380	294	A	V
5935MHz	*	5955	110.47	-	-	102.83	33.97	10.71	37.04	380	294	P	V
	*	5955	101.06	-	-	93.42	33.97	10.71	37.04	380	294	A	V
													V
													V

Remark

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

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5923.98	75.37	-12.83	88.2	67.7	34	10.69	37.02	100	285	P	H
		5925	62.33	-5.87	68.2	54.66	34	10.69	37.02	100	285	A	H
	*	5965	110.35	-	-	102.76	33.91	10.72	37.04	100	285	P	H
	*	5965	99.91	-	-	92.32	33.91	10.72	37.04	100	285	A	H
802.11ax													H
HE40 Full													H
CH 03		5924.52	75.74	-12.46	88.2	68.07	34	10.69	37.02	342	290	P	V
5965MHz		5923.26	61.71	-6.49	68.2	54.03	34	10.69	37.01	342	290	A	V
	*	5965	109.22	-	-	101.63	33.91	10.72	37.04	342	290	P	V
	*	5965	99	-	-	91.41	33.91	10.72	37.04	342	290	A	V
													V
													V

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

<SDM Mode>

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10792	48.92	-25.08	74	56.63	38.98	14.2	60.89	-	-	P	H
		10792	38.94	-15.06	54	46.65	38.98	14.2	60.89	-	-	A	H
		11930	45.46	-28.54	74	53.46	38.6	14.73	61.33	-	-	P	H
		14496	49.76	-24.24	74	55.93	40.5	16.5	63.17	-	-	P	H
		14496	39.75	-14.25	54	45.92	40.5	16.5	63.17	-	-	A	H
		17895	50.48	-23.52	74	47.47	42.13	18.36	57.48	-	-	P	H
		18000	52.45	-21.55	74	48.16	43.1	18.43	57.24	-	-	P	H
		18000	42.48	-11.52	54	38.19	43.1	18.43	57.24	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 03		10864	48.54	-25.46	74	56.37	38.81	14.24	60.88	-	-	P	V
5965MHz		10864	0	-54	54	7.83	38.81	14.24	60.88	-	-	A	V
		11930	46.47	-27.53	74	54.47	38.6	14.73	61.33	-	-	P	V
		14496	49.12	-24.88	74	55.29	40.5	16.5	63.17	-	-	P	V
		14496	39.07	-14.93	54	45.24	40.5	16.5	63.17	-	-	A	V
		17895	50.29	-23.71	74	47.28	42.13	18.36	57.48	-	-	P	V
		17960	52.44	-21.56	74	48.63	42.74	18.4	57.33	-	-	P	V
		17960	42.41	-11.59	54	38.6	42.74	18.4	57.33	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10816	47.84	-26.16	74	55.57	38.95	14.21	60.89	-	-	P	H
		10816	37.82	-16.18	54	45.55	38.95	14.21	60.89	-	-	A	H
		12410	45.83	-28.17	74	54.24	38.7	15.05	62.16	-	-	P	H
		14472	49.41	-24.59	74	55.57	40.53	16.49	63.18	-	-	P	H
		14472	39.39	-14.61	54	45.55	40.53	16.49	63.18	-	-	A	H
		18000	52.52	-21.48	74	48.23	43.1	18.43	57.24	-	-	P	H
		18000	42.51	-11.49	54	38.22	43.1	18.43	57.24	-	-	A	H
		18615	38.86	-35.14	74	59.43	37.99	-3.05	55.51	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 51		10936	48.5	-25.5	74	56.44	38.66	14.27	60.87	-	-	P	V
6205MHz		10936	38.49	-15.51	54	46.43	38.66	14.27	60.87	-	-	A	V
		12410	45.73	-28.27	74	54.14	38.7	15.05	62.16	-	-	P	V
		14488	50.06	-23.94	74	56.24	40.51	16.49	63.18	-	-	P	V
		14488	40.05	-13.95	54	46.23	40.51	16.49	63.18	-	-	A	V
		18000	52.42	-21.58	74	48.13	43.1	18.43	57.24	-	-	P	V
		18000	42.41	-11.59	54	38.12	43.1	18.43	57.24	-	-	A	V
		18615	38.23	-35.77	74	58.8	37.99	-3.05	55.51	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10944	49.02	-24.98	74	56.95	38.66	14.28	60.87	-	-	P	H
		10944	38.98	-15.02	54	46.91	38.66	14.28	60.87	-	-	A	H
		12810	46.04	-42.16	88.2	53.13	39.41	15.32	61.82	-	-	P	H
		14488	49.66	-24.34	74	55.84	40.51	16.49	63.18	-	-	P	H
		14488	39.64	-14.36	54	45.82	40.51	16.49	63.18	-	-	A	H
		17960	52.43	-21.57	74	48.62	42.74	18.4	57.33	-	-	P	H
		17960	42.47	-11.53	54	38.66	42.74	18.4	57.33	-	-	A	H
		19215	37.01	-36.99	74	56.84	38.09	-2.81	55.11	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 91		10808	48.05	-25.95	74	55.75	38.98	14.21	60.89	-	-	P	V
6405MHz		10808	38.04	-15.96	54	45.74	38.98	14.21	60.89	-	-	A	V
		12810	46	-42.2	88.2	53.09	39.41	15.32	61.82	-	-	P	V
		14496	49.12	-24.88	74	55.29	40.5	16.5	63.17	-	-	P	V
		14496	39.05	-14.95	54	45.22	40.5	16.5	63.17	-	-	A	V
		17976	52.71	-21.29	74	48.72	42.88	18.41	57.3	-	-	P	V
		17976	42.75	-11.25	54	38.76	42.88	18.41	57.3	-	-	A	V
		19215	36.43	-37.57	74	56.26	38.09	-2.81	55.11	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5904.54	83.3	-4.9	88.2	75.63	34	10.67	37	100	258	P	H
		5925	65.35	-2.85	68.2	57.68	34	10.69	37.02	100	258	A	H
	*	5965	111.52	-	-	103.93	33.91	10.72	37.04	100	258	P	H
802.11ax	*	5965	102.93	-	-	95.34	33.91	10.72	37.04	100	258	A	H
HE40													H
Partial													H
242/61		5923.98	80.16	-8.04	88.2	72.49	34	10.69	37.02	377	276	P	V
CH 03		5924.7	64.33	-3.87	68.2	56.66	34	10.69	37.02	377	276	A	V
5965MHz	*	5965	109.65	-	-	102.06	33.91	10.72	37.04	377	276	P	V
	*	5965	101.23	-	-	93.64	33.91	10.72	37.04	377	276	A	V
													V
													V

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

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5923.56	75.9	-12.3	88.2	68.22	34	10.69	37.01	100	260	P	H
		5923.88	64	-4.2	68.2	56.33	34	10.69	37.02	100	260	A	H
	*	5985	107.06	-	-	99.6	33.79	10.73	37.06	100	260	P	H
	*	5985	97.07	-	-	89.61	33.79	10.73	37.06	100	260	A	H
802.11ax													H
HE80 Full													H
CH 07		5921.96	76.41	-11.79	88.2	68.73	34	10.69	37.01	360	293	P	V
5985MHz		5922.6	62.68	-5.52	68.2	55	34	10.69	37.01	360	293	A	V
	*	5985	105.23	-	-	97.77	33.79	10.73	37.06	360	293	P	V
	*	5985	94.84	-	-	87.38	33.79	10.73	37.06	360	293	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<SDM Mode>

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10840	48.35	-25.65	74	56.13	38.88	14.22	60.88	-	-	P	H
		10840	38.33	-15.67	54	46.11	38.88	14.22	60.88	-	-	A	H
		11970	45.33	-28.67	74	53.35	38.6	14.75	61.37	-	-	P	H
		14480	49.41	-24.59	74	55.58	40.52	16.49	63.18	-	-	P	H
		14480	39.34	-14.66	54	45.51	40.52	16.49	63.18	-	-	A	H
		17955	50.65	-23.35	74	46.9	42.69	18.4	57.34	-	-	P	H
		17992	52.32	-21.68	74	48.13	43.03	18.42	57.26	-	-	P	H
		17992	43.35	-10.65	54	39.16	43.03	18.42	57.26	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 07		10808	48.13	-25.87	74	55.83	38.98	14.21	60.89	-	-	P	V
5985MHz		10808	38.11	-15.89	54	45.81	38.98	14.21	60.89	-	-	A	V
		11970	45.1	-28.9	74	53.12	38.6	14.75	61.37	-	-	P	V
		14488	49.09	-24.91	74	55.27	40.51	16.49	63.18	-	-	P	V
		14488	39.06	-14.94	54	45.24	40.51	16.49	63.18	-	-	A	V
		17896	52.46	-21.54	74	49.44	42.14	18.36	57.48	-	-	P	V
		17896	42.45	-11.55	54	39.43	42.14	18.36	57.48	-	-	A	V
		17955	51.02	-22.98	74	47.27	42.69	18.4	57.34	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10944	48.64	-25.36	74	56.57	38.66	14.28	60.87	-	-	P	H
		10944	38.62	-15.38	54	46.55	38.66	14.28	60.87	-	-	A	H
		12450	46.64	-27.36	74	55.11	38.7	15.07	62.24	-	-	P	H
		14480	49.09	-24.91	74	55.26	40.52	16.49	63.18	-	-	P	H
		14480	39.07	-14.93	54	45.24	40.52	16.49	63.18	-	-	A	H
		17944	52.38	-21.62	74	48.76	42.6	18.39	57.37	-	-	P	H
		17944	42.36	-11.64	54	38.74	42.6	18.39	57.37	-	-	A	H
		18675	38.09	-35.91	74	58.5	38.04	-2.99	55.46	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 55		10832	48.32	-25.68	74	56.08	38.9	14.22	60.88	-	-	P	V
6225MHz		10832	38.29	-15.71	54	46.05	38.9	14.22	60.88	-	-	A	V
		12450	46.47	-27.53	74	54.94	38.7	15.07	62.24	-	-	P	V
		14480	50.35	-23.65	74	56.52	40.52	16.49	63.18	-	-	P	V
		14480	40.41	-13.59	54	46.58	40.52	16.49	63.18	-	-	A	V
		17952	52.35	-21.65	74	48.63	42.67	18.4	57.35	-	-	P	V
		17952	42.37	-11.63	54	38.65	42.67	18.4	57.35	-	-	A	V
		18675	37.35	-36.65	74	58.39	38.04	-3.62	55.46	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10784	48.4	-25.6	74	56.12	38.97	14.2	60.89	-	-	P	H
		10784	38.38	-15.62	54	46.1	38.97	14.2	60.89	-	-	A	H
		12770	46.38	-41.82	88.2	53.69	39.28	15.29	61.88	-	-	P	H
		14480	49.51	-24.49	74	55.68	40.52	16.49	63.18	-	-	P	H
		14480	39.49	-14.51	54	45.66	40.52	16.49	63.18	-	-	A	H
		17976	52.63	-21.37	74	48.64	42.88	18.41	57.3	-	-	P	H
		17976	42.62	-11.38	54	38.63	42.88	18.41	57.3	-	-	A	H
		19155	38.25	-35.75	74	58.1	38.06	-2.77	55.14	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 87		10912	47.93	-26.07	74	55.85	38.69	14.26	60.87	-	-	P	V
6385MHz		10912	37.89	-16.11	54	45.81	38.69	14.26	60.87	-	-	A	V
		12770	47.12	-41.08	88.2	54.43	39.28	15.29	61.88	-	-	P	V
		14488	49.69	-24.31	74	55.87	40.51	16.49	63.18	-	-	P	V
		14488	39.65	-14.35	54	45.83	40.51	16.49	63.18	-	-	A	V
		17952	51.98	-22.02	74	48.26	42.67	18.4	57.35	-	-	P	V
		17952	41.93	-12.07	54	38.21	42.67	18.4	57.35	-	-	A	V
		19155	37.15	-36.85	74	57	38.06	-2.77	55.14	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5925	84.99	-3.21	88.2	77.32	34	10.69	37.02	100	52	P	H
		5924.68	66.34	-1.86	68.2	58.67	34	10.69	37.02	100	52	A	H
	*	5985	108.95	-	-	101.49	33.79	10.73	37.06	100	52	P	H
802.11ax	*	5985	99.39	-	-	91.93	33.79	10.73	37.06	100	52	A	H
HE80													H
Partial													H
484/65		5924.52	83.77	-4.43	88.2	76.1	34	10.69	37.02	400	281	P	V
CH 07		5924.84	64.92	-3.28	68.2	57.25	34	10.69	37.02	400	281	A	V
5985MHz	*	5985	103.85	-	-	96.39	33.79	10.73	37.06	400	281	P	V
	*	5985	95.11	-	-	87.65	33.79	10.73	37.06	400	281	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5884.84	75.42	-12.78	88.2	67.78	33.97	10.66	36.99	100	279	P	H
		5886.44	64.37	-3.83	68.2	56.73	33.97	10.66	36.99	100	279	A	H
	*	6025	104.83	-	-	97.28	33.85	10.76	37.06	100	279	P	H
	*	6025	94.85	-	-	87.3	33.85	10.76	37.06	100	279	A	H
802.11ax													H
HE160 Full													H
CH 15		5913	73.97	-14.23	88.2	66.3	34	10.68	37.01	400	287	P	V
6025MHz		5892.2	63.11	-5.09	68.2	55.46	33.98	10.66	36.99	400	287	A	V
	*	6025	102.53	-	-	94.98	33.85	10.76	37.06	400	287	P	V
	*	6025	93.35	-	-	85.8	33.85	10.76	37.06	400	287	A	V
													V
													V

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

<SDM Mode>

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10784	48.85	-25.15	74	56.57	38.97	14.2	60.89	-	-	P	H
		10784	38.79	-15.21	54	46.51	38.97	14.2	60.89	-	-	A	H
		12050	46.05	-27.95	74	53.99	38.75	14.8	61.49	-	-	P	H
		14488	49.69	-24.31	74	55.87	40.51	16.49	63.18	-	-	P	H
		14488	39.68	-14.32	54	45.86	40.51	16.49	63.18	-	-	A	H
		18000	53.11	-20.89	74	48.82	43.1	18.43	57.24	-	-	P	H
		18000	43.14	-10.86	54	38.85	43.1	18.43	57.24	-	-	A	H
		18075	37.45	-36.55	74	59.15	37.62	-3.47	55.85	-	-	P	H
													H
													H
802.11ax													H
HE160 Full													H
CH 15		10952	48.42	-25.58	74	56.36	38.65	14.28	60.87	-	-	P	V
6025MHz		10952	38.38	-15.62	54	46.32	38.65	14.28	60.87	-	-	A	V
		12050	46.43	-27.57	74	54.37	38.75	14.8	61.49	-	-	P	V
		14488	49.96	-24.04	74	56.14	40.51	16.49	63.18	-	-	P	V
		14488	39.98	-14.02	54	46.16	40.51	16.49	63.18	-	-	A	V
		18000	52.29	-21.71	74	48	43.1	18.43	57.24	-	-	P	V
		18000	42.4	-11.6	54	38.11	43.1	18.43	57.24	-	-	A	V
		18075	38.55	-35.45	74	60.25	37.62	-3.47	55.85	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10888	48.93	-25.07	74	56.82	38.74	14.25	60.88	-	-	P	H
		10888	38.92	-15.08	54	46.81	38.74	14.25	60.88	-	-	A	H
		12370	46.84	-27.16	74	55.18	38.73	15.02	62.09	-	-	P	H
		14488	50.21	-23.79	74	56.39	40.51	16.49	63.18	-	-	P	H
		14488	40.19	-13.81	54	46.37	40.51	16.49	63.18	-	-	A	H
		17928	52.35	-21.65	74	48.93	42.45	18.38	57.41	-	-	P	H
		17928	42.34	-11.66	54	38.92	42.45	18.38	57.41	-	-	A	H
		18555	36.85	-37.15	74	57.58	37.94	-3.11	55.56	-	-	P	H
													H
													H
802.11ax													H
HE160 Full													H
CH 47		10864	48.44	-25.56	74	56.27	38.81	14.24	60.88	-	-	P	V
6185MHz		10864	38.39	-15.61	54	46.22	38.81	14.24	60.88	-	-	A	V
		12370	46.01	-27.99	74	54.35	38.73	15.02	62.09	-	-	P	V
		14472	49.29	-24.71	74	55.45	40.53	16.49	63.18	-	-	P	V
		14472	39.32	-14.68	54	45.48	40.53	16.49	63.18	-	-	A	V
		17880	52.58	-21.42	74	49.83	41.92	18.35	57.52	-	-	P	V
		17880	42.63	-11.37	54	39.88	41.92	18.35	57.52	-	-	A	V
		18555	36.98	-37.02	74	57.71	37.94	-3.11	55.56	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10896	48.57	-25.43	74	56.48	38.71	14.25	60.87	-	-	P	H
		10896	38.51	-15.49	54	46.42	38.71	14.25	60.87	-	-	A	H
		12690	46.01	-27.99	74	53.81	38.98	15.23	62.01	-	-	P	H
		14488	49.41	-24.59	74	55.59	40.51	16.49	63.18	-	-	P	H
		14488	39.39	-14.61	54	45.57	40.51	16.49	63.18	-	-	A	H
		17944	52.34	-21.66	74	48.72	42.6	18.39	57.37	-	-	P	H
		17944	42.33	-11.67	54	38.71	42.6	18.39	57.37	-	-	A	H
		19035	39.74	-34.26	74	59.61	38.01	-2.69	55.19	-	-	P	H
													H
													H
802.11ax													H
HE160 Full													H
CH 79		10712	48.04	-25.96	74	55.96	38.82	14.16	60.9	-	-	P	V
6345MHz		10712	38	-16	54	45.92	38.82	14.16	60.9	-	-	A	V
		12690	46.52	-27.48	74	54.32	38.98	15.23	62.01	-	-	P	V
		14472	49.21	-24.79	74	55.37	40.53	16.49	63.18	-	-	P	V
		14472	39.19	-14.81	54	45.35	40.53	16.49	63.18	-	-	A	V
		17936	52.79	-21.21	74	49.27	42.52	18.39	57.39	-	-	P	V
		17936	42.78	-11.22	54	39.26	42.52	18.39	57.39	-	-	A	V
		19035	38.86	-35.14	74	58.73	38.01	-2.69	55.19	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5896.36	80.13	-8.07	88.2	72.47	33.99	10.67	37	111	249	P	H
		5917.48	65.59	-2.61	68.2	57.92	34	10.68	37.01	111	249	A	H
	*	6025	108.04	-	-	100.49	33.85	10.76	37.06	111	249	P	H
802.11ax	*	6025	97.05	-	-	89.5	33.85	10.76	37.06	111	249	A	H
HE160													H
Partial													H
996/67		5900.52	78.41	-9.79	88.2	70.74	34	10.67	37	400	279	P	V
CH 15		5924.84	64.5	-3.7	68.2	56.83	34	10.69	37.02	400	279	A	V
6025MHz	*	6025	102.33	-	-	94.78	33.85	10.76	37.06	400	279	P	V
	*	6025	93.51	-	-	85.96	33.85	10.76	37.06	400	279	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<CDD Mode>

Band 6 - 6425~6525MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11200	47.42	-26.58	74	55.08	38.8	14.4	60.86	-	-	P	H
		11200	37.64	-16.36	54	45.3	38.8	14.4	60.86	-	-	A	H
		12870	45.83	-42.37	88.2	52.72	39.47	15.36	61.72	-	-	P	H
		14472	48.35	-25.65	74	54.51	40.53	16.49	63.18	-	-	P	H
		14472	39.57	-14.43	54	45.73	40.53	16.49	63.18	-	-	A	H
		18000	52.69	-21.31	74	48.4	43.1	18.43	57.24	-	-	P	H
		18000	42.91	-11.09	54	38.62	43.1	18.43	57.24	-	-	A	H
		19305	39.31	-34.69	74	59.25	38.01	-2.87	55.08	150	26	P	H
													H
													H
													H
802.11a CH 97 6435MHz													H
		10832	47.27	-26.73	74	55.03	38.9	14.22	60.88	-	-	P	V
		10832	37.49	-16.51	54	45.25	38.9	14.22	60.88	-	-	A	V
		12870	45.5	-42.7	88.2	52.39	39.47	15.36	61.72	-	-	P	V
		14480	48.24	-25.76	74	54.41	40.52	16.49	63.18	-	-	P	V
		14480	39.46	-14.54	54	45.63	40.52	16.49	63.18	-	-	A	V
		17960	51.39	-22.61	74	47.58	42.74	18.4	57.33	-	-	P	V
		17960	41.62	-12.38	54	37.81	42.74	18.4	57.33	-	-	A	V
		19305	38.81	-35.19	74	58.75	38.01	-2.87	55.08	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12576	47.63	-26.37	74	55.9	38.78	15.15	62.2	-	-	P	H
		12576	37.85	-16.15	54	46.12	38.78	15.15	62.2	-	-	A	H
		12950	45.47	-42.73	88.2	52.04	39.6	15.41	61.58	-	-	P	H
		14488	48.34	-25.66	74	54.52	40.51	16.49	63.18	-	-	P	H
		14488	39.58	-14.42	54	45.76	40.51	16.49	63.18	-	-	A	H
		18000	51.26	-22.74	74	46.97	43.1	18.43	57.24	-	-	P	H
		18000	51.48	-2.52	54	47.19	43.1	18.43	57.24	-	-	A	H
		19405	36	-38	74	56.12	37.85	-2.93	55.04	-	-	P	H
													H
													H
													H
802.11a													H
CH 105		12456	47.4	-26.6	74	55.87	38.7	15.08	62.25	-	-	P	V
6475MHz		12456	37.62	-16.38	54	46.09	38.7	15.08	62.25	-	-	A	V
		12950	46.4	-41.8	88.2	52.97	39.6	15.41	61.58	-	-	P	V
		14480	47.94	-26.06	74	54.11	40.52	16.49	63.18	-	-	P	V
		14480	39.16	-14.84	54	45.33	40.52	16.49	63.18	-	-	A	V
		18000	53.53	-20.47	74	49.24	43.1	18.43	57.24	-	-	P	V
		18000	43.75	-10.25	54	39.46	43.1	18.43	57.24	-	-	A	V
		19405	36.37	-37.63	74	56.49	37.85	-2.93	55.04	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11776	47.65	-26.35	74	55.72	38.42	14.67	61.16	-	-	P	H
		11776	37.87	-16.13	54	45.94	38.42	14.67	61.16	-	-	A	H
		13030	46.33	-41.87	88.2	52.73	39.67	15.47	61.54	-	-	P	H
		14472	48.48	-25.52	74	54.64	40.53	16.49	63.18	-	-	P	H
		14472	39.7	-14.3	54	45.86	40.53	16.49	63.18	-	-	A	H
		17992	52	-22	74	47.81	43.03	18.42	57.26	-	-	P	H
		17992	42.22	-11.78	54	38.03	43.03	18.42	57.26	-	-	A	H
		19545	37.79	-36.21	74	58.04	37.72	-2.98	54.99	-	-	P	H
													H
													H
													H
a802.11a CH 113 6515MHz													H
		10992	47.41	-26.59	74	55.36	38.61	14.3	60.86	-	-	P	V
		10992	37.63	-16.37	54	45.58	38.61	14.3	60.86	-	-	A	V
		13030	45.76	-42.44	88.2	52.16	39.67	15.47	61.54	-	-	P	V
		14472	48.61	-25.39	74	54.77	40.53	16.49	63.18	-	-	P	V
		14472	39.83	-14.17	54	45.99	40.53	16.49	63.18	-	-	A	V
		17888	51.85	-22.15	74	48.97	42.03	18.35	57.5	-	-	P	V
		17888	42.07	-11.93	54	39.19	42.03	18.35	57.5	-	-	A	V
		19545	40.04	-33.96	74	60.29	37.72	-2.98	54.99	150	39	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 6 6425~6525MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11736	47.72	-26.28	74	55.73	38.46	14.65	61.12	-	-	P	H
		11736	37.94	-16.06	54	45.95	38.46	14.65	61.12	-	-	A	H
		12870	45.19	-43.01	88.2	52.08	39.47	15.36	61.72	-	-	P	H
		14480	47.93	-26.07	74	54.1	40.52	16.49	63.18	-	-	P	H
		14480	39.15	-14.85	54	45.32	40.52	16.49	63.18	-	-	A	H
		17968	51.72	-22.28	74	47.81	42.81	18.41	57.31	-	-	P	H
		17968	41.94	-12.06	54	38.03	42.81	18.41	57.31	-	-	A	H
		19305	36.61	-37.39	74	56.55	38.01	-2.87	55.08	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 97		10880	47.56	-26.44	74	55.44	38.76	14.24	60.88	-	-	P	V
6435MHz		10880	37.78	-16.22	54	45.66	38.76	14.24	60.88	-	-	A	V
		12870	45.15	-43.05	88.2	52.04	39.47	15.36	61.72	-	-	P	V
		14480	48.47	-25.53	74	54.64	40.52	16.49	63.18	-	-	P	V
		14480	39.69	-14.31	54	45.86	40.52	16.49	63.18	-	-	A	V
		17896	52.2	-21.8	74	49.18	42.14	18.36	57.48	-	-	P	V
		17896	42.42	-11.58	54	39.4	42.14	18.36	57.48	-	-	A	V
		19305	37.22	-36.78	74	57.16	38.01	-2.87	55.08	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12376	47.5	-26.5	74	55.86	38.72	15.02	62.1	-	-	P	H
		12376	37.72	-16.28	54	46.08	38.72	15.02	62.1	-	-	A	H
		12950	45.65	-42.55	88.2	52.22	39.6	15.41	61.58	-	-	P	H
		14480	47.99	-26.01	74	54.16	40.52	16.49	63.18	-	-	P	H
		14480	39.21	-14.79	54	45.38	40.52	16.49	63.18	-	-	A	H
		17888	51.63	-22.37	74	48.75	42.03	18.35	57.5	-	-	P	H
		17888	41.85	-12.15	54	38.97	42.03	18.35	57.5	-	-	A	H
		19425	36.38	-37.62	74	56.53	37.82	-2.94	55.03	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 105		12536	47.89	-26.11	74	56.29	38.74	15.13	62.27	-	-	P	V
6475MHz		12536	38.11	-15.89	54	46.51	38.74	15.13	62.27	-	-	A	V
		12950	46.13	-42.07	88.2	52.7	39.6	15.41	61.58	-	-	P	V
		14488	49.01	-24.99	74	55.19	40.51	16.49	63.18	-	-	P	V
		14488	40.23	-13.77	54	46.41	40.51	16.49	63.18	-	-	A	V
		17952	51.17	-22.83	74	47.45	42.67	18.4	57.35	-	-	P	V
		17952	41.39	-12.61	54	37.67	42.67	18.4	57.35	-	-	A	V
		19425	36.27	-37.73	74	56.42	37.82	-2.94	55.03	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12584	47.95	-26.05	74	56.2	38.78	15.16	62.19	-	-	P	H
		12584	38.17	-15.83	54	46.42	38.78	15.16	62.19	-	-	A	H
		13030	45.73	-42.47	88.2	52.13	39.67	15.47	61.54	-	-	P	H
		14488	47.45	-26.55	74	53.63	40.51	16.49	63.18	-	-	P	H
		14488	38.67	-15.33	54	44.85	40.51	16.49	63.18	-	-	A	H
		17880	51.24	-22.76	74	48.49	41.92	18.35	57.52	-	-	P	H
		17880	41.46	-12.54	54	38.71	41.92	18.35	57.52	-	-	A	H
		19545	39.56	-34.44	74	59.81	37.72	-2.98	54.99	150	25	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 113		12640	47.37	-26.63	74	55.39	38.88	15.2	62.1	-	-	P	V
6515MHz		12640	37.59	-16.41	54	45.61	38.88	15.2	62.1	-	-	A	V
		13030	46.63	-41.57	88.2	53.03	39.67	15.47	61.54	-	-	P	V
		14472	47.81	-26.19	74	53.97	40.53	16.49	63.18	-	-	P	V
		14472	39.03	-14.97	54	45.19	40.53	16.49	63.18	-	-	A	V
		17896	51.42	-22.58	74	48.4	42.14	18.36	57.48	-	-	P	V
		17896	41.65	-12.35	54	38.63	42.14	18.36	57.48	-	-	A	V
		19545	37.13	-36.87	74	57.38	37.72	-2.98	54.99	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 6 6425~6525MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10880	47.4	-26.6	74	55.28	38.76	14.24	60.88	-	-	P	H
		10880	37.62	-16.38	54	45.5	38.76	14.24	60.88	-	-	A	H
		12890	45.55	-42.65	88.2	52.37	39.49	15.37	61.68	-	-	P	H
		14488	47.7	-26.3	74	53.88	40.51	16.49	63.18	-	-	P	H
		14488	38.92	-15.08	54	45.1	40.51	16.49	63.18	-	-	A	H
		17960	52.13	-21.87	74	48.32	42.74	18.4	57.33	-	-	P	H
		17960	42.35	-11.65	54	38.54	42.74	18.4	57.33	-	-	A	H
		19335	37.53	-36.47	74	57.52	37.96	-2.88	55.07	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 99		11008	47.76	-26.24	74	55.71	38.6	14.31	60.86	-	-	P	V
6445MHz		11008	37.98	-16.02	54	45.93	38.6	14.31	60.86	-	-	A	V
		12890	45.63	-42.57	88.2	52.45	39.49	15.37	61.68	-	-	P	V
		14480	47.63	-26.37	74	53.8	40.52	16.49	63.18	-	-	P	V
		14480	39.75	-14.25	54	45.92	40.52	16.49	63.18	-	-	A	V
		17952	51.59	-22.41	74	47.87	42.67	18.4	57.35	-	-	P	V
		17952	41.81	-12.19	54	38.09	42.67	18.4	57.35	-	-	A	V
		19335	37.95	-36.05	74	57.94	37.96	-2.88	55.07	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11008	48.03	-25.97	74	55.98	38.6	14.31	60.86	-	-	P	H
		11008	38.25	-15.75	54	46.2	38.6	14.31	60.86	-	-	A	H
		12970	45.7	-42.5	88.2	52.19	39.64	15.42	61.55	-	-	P	H
		14480	48.13	-25.87	74	54.3	40.52	16.49	63.18	-	-	P	H
		14480	39.45	-14.55	54	45.62	40.52	16.49	63.18	-	-	A	H
		17960	51.13	-22.87	74	47.32	42.74	18.4	57.33	-	-	P	H
		17960	41.38	-12.62	54	37.57	42.74	18.4	57.33	-	-	A	H
		19455	38.04	-35.96	74	58.25	37.77	-2.96	55.02	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 107		12512	48.1	-25.9	74	56.59	38.71	15.11	62.31	-	-	P	V
6485MHz		12512	38.32	-15.68	54	46.81	38.71	15.11	62.31	-	-	A	V
		12970	45.57	-42.63	88.2	52.06	39.64	15.42	61.55	-	-	P	V
		14480	47.98	-26.02	74	54.15	40.52	16.49	63.18	-	-	P	V
		14480	39.2	-14.8	54	45.37	40.52	16.49	63.18	-	-	A	V
		17992	51.66	-22.34	74	47.47	43.03	18.42	57.26	-	-	P	V
		17992	41.88	-12.12	54	37.69	43.03	18.42	57.26	-	-	A	V
		19455	37.02	-36.98	74	57.23	37.77	-2.96	55.02	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11752	47.51	-26.49	74	55.55	38.45	14.65	61.14	-	-	P	H
		11752	37.73	-16.27	54	45.77	38.45	14.65	61.14	-	-	A	H
		13050	46.61	-41.59	88.2	53.05	39.65	15.48	61.57	-	-	P	H
		14488	47.34	-26.66	74	53.52	40.51	16.49	63.18	-	-	P	H
		14488	38.56	-15.44	54	44.74	40.51	16.49	63.18	-	-	A	H
		17880	51.42	-22.58	74	48.67	41.92	18.35	57.52	-	-	P	H
		17880	41.64	-12.36	54	38.89	41.92	18.35	57.52	-	-	A	H
		19575	37.44	-36.56	74	57.67	37.73	-2.97	54.99	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 115		10936	47.72	-26.28	74	55.66	38.66	14.27	60.87	-	-	P	V
6525MHz		10936	37.94	-16.06	54	45.88	38.66	14.27	60.87	-	-	A	V
		13050	46.28	-41.92	88.2	52.72	39.65	15.48	61.57	-	-	P	V
		14472	47.92	-26.08	74	54.08	40.53	16.49	63.18	-	-	P	V
		14472	39.14	-14.86	54	45.3	40.53	16.49	63.18	-	-	A	V
		18000	51.07	-22.93	74	46.78	43.1	18.43	57.24	-	-	P	V
		18000	41.29	-12.71	54	37	43.1	18.43	57.24	-	-	A	V
		19575	37.43	-36.57	74	57.66	37.73	-2.97	54.99	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 6 6425~6525MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11824	47.56	-26.44	74	55.63	38.45	14.69	61.21	-	-	P	H
		11824	37.78	-16.22	54	45.85	38.45	14.69	61.21	-	-	A	H
		12930	44.95	-43.25	88.2	51.62	39.56	15.39	61.62	-	-	P	H
		14480	48.86	-25.14	74	55.03	40.52	16.49	63.18	-	-	P	H
		14480	40.08	-13.92	54	46.25	40.52	16.49	63.18	-	-	A	H
		18000	51.3	-22.7	74	47.01	43.1	18.43	57.24	-	-	P	H
		18000	41.52	-12.48	54	37.23	43.1	18.43	57.24	-	-	A	H
		19395	38.12	-35.88	74	58.21	37.87	-2.92	55.04	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 103		12552	47.32	-26.68	74	55.67	38.75	15.14	62.24	-	-	P	V
6465MHz		12552	37.54	-16.46	54	45.89	38.75	15.14	62.24	-	-	A	V
		12930	46.12	-42.08	88.2	52.79	39.56	15.39	61.62	-	-	P	V
		14480	47.57	-26.43	74	53.74	40.52	16.49	63.18	-	-	P	V
		14480	38.79	-15.21	54	44.96	40.52	16.49	63.18	-	-	A	V
		17960	51.17	-22.83	74	47.36	42.74	18.4	57.33	-	-	P	V
		17960	41.39	-12.61	54	37.58	42.74	18.4	57.33	-	-	A	V
		19395	37.73	-36.27	74	57.82	37.87	-2.92	55.04	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10944	48.75	-25.25	74	56.68	38.66	14.28	60.87	-	-	P	H
		10944	38.73	-15.27	54	46.66	38.66	14.28	60.87	-	-	A	H
		13090	45.66	-42.54	88.2	52.15	39.61	15.52	61.62	-	-	P	H
		14480	49.2	-24.8	74	55.37	40.52	16.49	63.18	-	-	P	H
		14480	39.18	-14.82	54	45.35	40.52	16.49	63.18	-	-	A	H
		17944	52.49	-21.51	74	48.87	42.6	18.39	57.37	-	-	P	H
		17944	42.47	-11.53	54	38.85	42.6	18.39	57.37	-	-	A	H
		19635	37.08	-36.92	74	57.25	37.75	-2.95	54.97	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 119		10832	48.43	-25.57	74	56.19	38.9	14.22	60.88	-	-	P	V
6545MHz		10832	38.4	-15.6	54	46.16	38.9	14.22	60.88	-	-	A	V
		13090	45.98	-42.22	88.2	52.47	39.61	15.52	61.62	-	-	P	V
		14480	50.46	-23.54	74	56.63	40.52	16.49	63.18	-	-	P	V
		14480	40.52	-13.48	54	46.69	40.52	16.49	63.18	-	-	A	V
		17952	52.46	-21.54	74	48.74	42.67	18.4	57.35	-	-	P	V
		17952	42.48	-11.52	54	38.76	42.67	18.4	57.35	-	-	A	V
		19635	37.16	-36.84	74	57.33	37.75	-2.95	54.97	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 6 6425~6525MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12560	47.13	-26.87	74	55.46	38.76	15.14	62.23	-	-	P	H
		12560	37.35	-16.65	54	45.68	38.76	15.14	62.23	-	-	A	H
		13010	45.33	-42.87	88.2	51.7	39.69	15.45	61.51	-	-	P	H
		14472	47.35	-26.65	74	53.51	40.53	16.49	63.18	-	-	P	H
		14472	38.57	-15.43	54	44.73	40.53	16.49	63.18	-	-	A	H
		17992	51.32	-22.68	74	47.13	43.03	18.42	57.26	-	-	P	H
		17992	41.54	-12.46	54	37.35	43.03	18.42	57.26	-	-	A	H
		19515	37.47	-36.53	74	57.75	37.71	-2.99	55	-	-	P	H
													H
													H
802.11ax													H
HE160 Full													H
CH 111		12464	47.68	-26.32	74	56.16	38.7	15.08	62.26	-	-	P	V
6505MHz		12464	37.9	-16.1	54	46.38	38.7	15.08	62.26	-	-	A	V
		13010	45.44	-42.76	88.2	51.81	39.69	15.45	61.51	-	-	P	V
		14488	47.64	-26.36	74	53.82	40.51	16.49	63.18	-	-	P	V
		14488	38.86	-15.14	54	45.04	40.51	16.49	63.18	-	-	A	V
		17992	51.58	-22.42	74	47.39	43.03	18.42	57.26	-	-	P	V
		17992	41.8	-12.2	54	37.61	43.03	18.42	57.26	-	-	A	V
		19515	37.92	-36.08	74	58.2	37.71	-2.99	55	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<CDD Mode>

Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 117 6535MHz		12520	47.19	-26.81	74	55.65	38.72	15.12	62.3	-	-	P	H
		12520	37.41	-16.59	54	45.87	38.72	15.12	62.3	-	-	A	H
		13070	45.2	-43	88.2	51.67	39.63	15.5	61.6	-	-	P	H
		14480	48.42	-25.58	74	54.59	40.52	16.49	63.18	-	-	P	H
		14480	39.64	-14.36	54	45.81	40.52	16.49	63.18	-	-	A	H
		17888	51.33	-22.67	74	48.45	42.03	18.35	57.5	-	-	P	H
		17888	41.55	-12.45	54	38.67	42.03	18.35	57.5	-	-	A	H
		19605	38.85	-35.15	74	59.05	37.74	-2.96	54.98	150	32	P	H
													H
													H
													H
													H
		12680	47.11	-26.89	74	54.96	38.96	15.22	62.03	-	-	P	V
		12680	37.33	-16.67	54	45.18	38.96	15.22	62.03	-	-	A	V
		13070	45.3	-42.9	88.2	51.77	39.63	15.5	61.6	-	-	P	V
		14488	47.73	-26.27	74	53.91	40.51	16.49	63.18	-	-	P	V
		14488	38.95	-15.05	54	45.13	40.51	16.49	63.18	-	-	A	V
		18000	52.05	-21.95	74	47.76	43.1	18.43	57.24	-	-	P	V
		18000	42.27	-11.73	54	37.98	43.1	18.43	57.24	-	-	A	V
		19605	38.89	-35.11	74	59.09	37.74	-2.96	54.98	150	121	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10864	47.1	-26.9	74	54.93	38.81	14.24	60.88	-	-	P	H
		10864	37.32	-16.68	54	45.15	38.81	14.24	60.88	-	-	A	H
		13390	46.89	-27.11	74	53.02	40.15	15.76	62.04	-	-	P	H
		14472	48.1	-25.9	74	54.26	40.53	16.49	63.18	-	-	P	H
		14472	39.32	-14.68	54	45.48	40.53	16.49	63.18	-	-	A	H
		17992	51.76	-22.24	74	47.57	43.03	18.42	57.26	-	-	P	H
		17992	41.98	-12.02	54	37.79	43.03	18.42	57.26	-	-	A	H
		20085	38	-36	74	58.37	37.6	-3.07	54.9	-	-	P	H
													H
													H
													H
802.11a													H
CH 149		10912	47.43	-26.57	74	55.35	38.69	14.26	60.87	-	-	P	V
6695MHz		10912	37.65	-16.35	54	45.57	38.69	14.26	60.87	-	-	A	V
		13390	46.49	-27.51	74	52.62	40.15	15.76	62.04	-	-	P	V
		14488	47.38	-26.62	74	53.56	40.51	16.49	63.18	-	-	P	V
		14488	39.6	-14.4	54	45.78	40.51	16.49	63.18	-	-	A	V
		17992	51.89	-22.11	74	47.7	43.03	18.42	57.26	-	-	P	V
		17992	42.11	-11.89	54	37.92	43.03	18.42	57.26	-	-	A	V
		20085	39.56	-34.44	74	59.93	37.6	-3.07	54.9	150	31	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10888	47.57	-26.43	74	55.46	38.74	14.25	60.88	-	-	P	H
		10888	37.79	-16.21	54	45.68	38.74	14.25	60.88	-	-	A	H
		13710	45.41	-42.79	88.2	51.78	40.3	16.03	62.7	-	-	P	H
		14488	47.27	-26.73	74	53.45	40.51	16.49	63.18	-	-	P	H
		14488	38.49	-15.51	54	44.67	40.51	16.49	63.18	-	-	A	H
		17944	51.81	-22.19	74	48.19	42.6	18.39	57.37	-	-	P	H
		17944	42.03	-11.97	54	38.41	42.6	18.39	57.37	-	-	A	H
		20565	37.39	-36.61	74	58.32	37.95	-3.99	54.89	-	-	P	H
													H
													H
													H
802.11a CH 181 6855MHz													H
		10904	46.7	-27.3	74	54.61	38.7	14.26	60.87	-	-	P	V
		10904	36.92	-17.08	54	44.83	38.7	14.26	60.87	-	-	A	V
		13710	45.26	-42.94	88.2	51.63	40.3	16.03	62.7	-	-	P	V
		14488	47.44	-26.56	74	53.62	40.51	16.49	63.18	-	-	P	V
		14488	38.66	-15.34	54	44.84	40.51	16.49	63.18	-	-	A	V
		17992	50.73	-23.27	74	46.54	43.03	18.42	57.26	-	-	P	V
		17992	40.95	-13.05	54	36.76	43.03	18.42	57.26	-	-	A	V
		20565	37.14	-36.86	74	58.07	37.95	-3.99	54.89	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10920	47.78	-26.22	74	55.71	38.68	14.26	60.87	-	-	P	H
		10920	38	-16	54	45.93	38.68	14.26	60.87	-	-	A	H
		13750	46.7	-41.5	88.2	53.12	40.3	16.07	62.79	-	-	P	H
		14488	47.91	-26.09	74	54.09	40.51	16.49	63.18	-	-	P	H
		14488	39.13	-14.87	54	45.31	40.51	16.49	63.18	-	-	A	H
		17952	51.05	-22.95	74	47.33	42.67	18.4	57.35	-	-	P	H
		17952	41.27	-12.73	54	37.55	42.67	18.4	57.35	-	-	A	H
		20625	36.17	-37.83	74	57.02	37.9	-3.87	54.88	-	-	P	H
													H
													H
													H
802.11a													H
CH 185		12608	47.22	-26.78	74	55.37	38.82	15.18	62.15	-	-	P	V
6875MHz		12608	37.44	-16.56	54	45.59	38.82	15.18	62.15	-	-	A	V
		13750	46.13	-42.07	88.2	52.55	40.3	16.07	62.79	-	-	P	V
		14472	47.81	-26.19	74	53.97	40.53	16.49	63.18	-	-	P	V
		14472	39.03	-14.97	54	45.19	40.53	16.49	63.18	-	-	A	V
		17984	51.21	-22.79	74	47.11	42.96	18.42	57.28	-	-	P	V
		17984	41.43	-12.57	54	37.33	42.96	18.42	57.28	-	-	A	V
		20625	39.9	-34.1	74	60.75	37.9	-3.87	54.88	150	21	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12600	47.5	-26.5	74	55.69	38.8	15.17	62.16	-	-	P	H
		12600	38.48	-15.52	54	46.67	38.8	15.17	62.16	-	-	A	H
		13070	46.4	-41.8	88.2	52.87	39.63	15.5	61.6	-	-	P	H
		14496	48.09	-25.91	74	54.26	40.5	16.5	63.17	-	-	P	H
		14496	40.98	-13.02	54	47.15	40.5	16.5	63.17	-	-	A	H
		17912	51.64	-22.36	74	48.4	42.31	18.37	57.44	-	-	P	H
		17912	41.39	-12.61	54	38.15	42.31	18.37	57.44	-	-	A	H
		19605	38.15	-35.85	74	58.35	37.74	-2.96	54.98	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 117		11744	47.61	-26.39	74	55.63	38.46	14.65	61.13	-	-	P	V
6535MHz		11744	38.76	-15.24	54	46.78	38.46	14.65	61.13	-	-	A	V
		13070	45.54	-42.66	88.2	52.01	39.63	15.5	61.6	-	-	P	V
		14488	47.9	-26.1	74	54.08	40.51	16.49	63.18	-	-	P	V
		14488	40.92	-13.08	54	47.1	40.51	16.49	63.18	-	-	A	V
		18000	52.21	-21.79	74	47.92	43.1	18.43	57.24	-	-	P	V
		18000	42.57	-11.43	54	38.28	43.1	18.43	57.24	-	-	A	V
		19605	38.37	-35.63	74	58.57	37.74	-2.96	54.98	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11736	47.68	-26.32	74	55.69	38.46	14.65	61.12	-	-	P	H
		11736	38.88	-15.12	54	46.89	38.46	14.65	61.12	-	-	A	H
		13390	47.37	-26.63	74	53.5	40.15	15.76	62.04	-	-	P	H
		14480	49.21	-24.79	74	55.38	40.52	16.49	63.18	-	-	P	H
		14480	41.04	-12.96	54	47.21	40.52	16.49	63.18	-	-	A	H
		17992	51.32	-22.68	74	47.13	43.03	18.42	57.26	-	-	P	H
		17992	42.35	-11.65	54	38.16	43.03	18.42	57.26	-	-	A	H
		20085	36.38	-37.62	74	56.75	37.6	-3.07	54.9	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		10912	48.51	-25.49	74	56.43	38.69	14.26	60.87	-	-	P	V
6695MHz		10912	38.87	-15.13	54	46.79	38.69	14.26	60.87	-	-	A	V
		13390	46.86	-27.14	74	52.99	40.15	15.76	62.04	-	-	P	V
		14480	48.22	-25.78	74	54.39	40.52	16.49	63.18	-	-	P	V
		14480	40.91	-13.09	54	47.08	40.52	16.49	63.18	-	-	A	V
		17896	51.46	-22.54	74	48.44	42.14	18.36	57.48	-	-	P	V
		17896	41.72	-12.28	54	38.7	42.14	18.36	57.48	-	-	A	V
		20085	37.01	-36.99	74	57.38	37.6	-3.07	54.9	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10920	48.24	-25.76	74	56.17	38.68	14.26	60.87	-	-	P	H
		10920	38.78	-15.22	54	46.71	38.68	14.26	60.87	-	-	A	H
		13710	45.67	-42.53	88.2	52.04	40.3	16.03	62.7	-	-	P	H
		14472	47.6	-26.4	74	53.76	40.53	16.49	63.18	-	-	P	H
		14472	40.81	-13.19	54	46.97	40.53	16.49	63.18	-	-	A	H
		17992	51.39	-22.61	74	47.2	43.03	18.42	57.26	-	-	P	H
		17992	42.42	-11.58	54	38.23	43.03	18.42	57.26	-	-	A	H
		20565	36.22	-37.78	74	57.15	37.95	-3.99	54.89	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 181		12472	47.59	-26.41	74	56.08	38.7	15.09	62.28	-	-	P	V
6855MHz		12472	38.36	-15.64	54	46.85	38.7	15.09	62.28	-	-	A	V
		13710	45.37	-42.83	88.2	51.74	40.3	16.03	62.7	-	-	P	V
		14488	48.36	-25.64	74	54.54	40.51	16.49	63.18	-	-	P	V
		14488	41	-13	54	47.18	40.51	16.49	63.18	-	-	A	V
		17936	53.04	-20.96	74	49.52	42.52	18.39	57.39	-	-	P	V
		17936	41.76	-12.24	54	38.24	42.52	18.39	57.39	-	-	A	V
		20565	37.23	-36.77	74	58.16	37.95	-3.99	54.89	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10872	48.03	-25.97	74	55.89	38.78	14.24	60.88	-	-	P	H
		10872	38.97	-15.03	54	46.83	38.78	14.24	60.88	-	-	A	H
		13750	45.58	-42.62	88.2	52	40.3	16.07	62.79	-	-	P	H
		14480	48.23	-25.77	74	54.4	40.52	16.49	63.18	-	-	P	H
		14480	40.92	-13.08	54	47.09	40.52	16.49	63.18	-	-	A	H
		17952	51.59	-22.41	74	47.87	42.67	18.4	57.35	-	-	P	H
		17952	41.89	-12.11	54	38.17	42.67	18.4	57.35	-	-	A	H
		20625	35.62	-38.38	74	56.47	37.9	-3.87	54.88	-	-	P	H
													H
													H
i802.11ax													H
HE20 Full													H
CH 185		11768	47.39	-26.61	74	55.45	38.43	14.66	61.15	-	-	P	V
6875MHz		11768	38.7	-15.3	54	46.76	38.43	14.66	61.15	-	-	A	V
		13750	46.49	-41.71	88.2	52.91	40.3	16.07	62.79	-	-	P	V
		14480	48.71	-25.29	74	54.88	40.52	16.49	63.18	-	-	P	V
		14480	40.93	-13.07	54	47.1	40.52	16.49	63.18	-	-	A	V
		18000	51.85	-22.15	74	47.56	43.1	18.43	57.24	-	-	P	V
		18000	42.42	-11.58	54	38.13	43.1	18.43	57.24	-	-	A	V
		20625	35.93	-38.07	74	56.78	37.9	-3.87	54.88	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 7 - 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11760	47.58	-26.42	74	55.63	38.44	14.66	61.15	-	-	P	H
		11760	38.79	-15.21	54	46.84	38.44	14.66	61.15	-	-	A	H
		13130	45.51	-42.69	88.2	52.05	39.6	15.54	61.68	-	-	P	H
		14488	48.02	-25.98	74	54.2	40.51	16.49	63.18	-	-	P	H
		14488	40.89	-13.11	54	47.07	40.51	16.49	63.18	-	-	A	H
		17968	51.3	-22.7	74	47.39	42.81	18.41	57.31	-	-	P	H
		17968	42.02	-11.98	54	38.11	42.81	18.41	57.31	-	-	A	H
		19695	37.96	-36.04	74	58.08	37.78	-2.94	54.96	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 123		10928	47.5	-26.5	74	55.43	38.67	14.27	60.87	-	-	P	V
6565MHz		10928	38.89	-15.11	54	46.82	38.67	14.27	60.87	-	-	A	V
		13130	46.4	-41.8	88.2	52.94	39.6	15.54	61.68	-	-	P	V
		14496	47.6	-26.4	74	53.77	40.5	16.5	63.17	-	-	P	V
		14496	40.75	-13.25	54	46.92	40.5	16.5	63.17	-	-	A	V
		18000	52.86	-21.14	74	48.57	43.1	18.43	57.24	-	-	P	V
		18000	42.41	-11.59	54	38.12	43.1	18.43	57.24	-	-	A	V
		19695	38.46	-35.54	74	58.58	37.78	-2.94	54.96	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12696	47.25	-26.75	74	55.03	38.99	15.23	62	-	-	P	H
		12696	39.09	-14.91	54	46.87	38.99	15.23	62	-	-	A	H
		13370	47.57	-26.43	74	53.78	40.05	15.75	62.01	-	-	P	H
		14488	47.84	-26.16	74	54.02	40.51	16.49	63.18	-	-	P	H
		14488	40.91	-13.09	54	47.09	40.51	16.49	63.18	-	-	A	H
		17904	51.91	-22.09	74	48.76	42.24	18.37	57.46	-	-	P	H
		17904	41.67	-12.33	54	38.52	42.24	18.37	57.46	-	-	A	H
		20055	37.91	-36.09	74	58.23	37.57	-2.99	54.9	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 147		12552	48.23	-25.77	74	56.58	38.75	15.14	62.24	-	-	P	V
6685MHz		12552	38.44	-15.56	54	46.79	38.75	15.14	62.24	-	-	A	V
		13370	46.53	-27.47	74	52.74	40.05	15.75	62.01	-	-	P	V
		14480	48	-26	74	54.17	40.52	16.49	63.18	-	-	P	V
		14480	41.02	-12.98	54	47.19	40.52	16.49	63.18	-	-	A	V
		17944	51.78	-22.22	74	48.16	42.6	18.39	57.37	-	-	P	V
		17944	41.87	-12.13	54	38.25	42.6	18.39	57.37	-	-	A	V
		20055	37.92	-36.08	74	58.24	37.57	-2.99	54.9	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10944	47.59	-26.41	74	55.52	38.66	14.28	60.87	-	-	P	H
		10944	38.78	-15.22	54	46.71	38.66	14.28	60.87	-	-	A	H
		13690	46.92	-41.28	88.2	53.23	40.32	16.02	62.65	-	-	P	H
		14472	48.36	-25.64	74	54.52	40.53	16.49	63.18	-	-	P	H
		14472	41.11	-12.89	54	47.27	40.53	16.49	63.18	-	-	A	H
		18000	52.34	-21.66	74	48.05	43.1	18.43	57.24	-	-	P	H
		18000	42.4	-11.6	54	38.11	43.1	18.43	57.24	-	-	A	H
		20535	37.38	-36.62	74	58.35	37.97	-4.05	54.89	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 179		10864	47.74	-26.26	74	55.57	38.81	14.24	60.88	-	-	P	V
6845MHz		10864	38.95	-15.05	54	46.78	38.81	14.24	60.88	-	-	A	V
		13690	46.13	-42.07	88.2	52.44	40.32	16.02	62.65	-	-	P	V
		14496	48.44	-25.56	74	54.61	40.5	16.5	63.17	-	-	P	V
		14496	41.01	-12.99	54	47.18	40.5	16.5	63.17	-	-	A	V
		17984	52.53	-21.47	74	48.43	42.96	18.42	57.28	-	-	P	V
		17984	42.42	-11.58	54	38.32	42.96	18.42	57.28	-	-	A	V
		20535	37.2	-36.8	74	58.17	37.97	-4.05	54.89	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12700	47.76	-26.24	74	55.52	39	15.24	62	-	-	P	H
		12700	38.96	-15.04	54	46.72	39	15.24	62	-	-	A	H
		13770	46	-42.2	88.2	52.45	40.3	16.09	62.84	-	-	P	H
		14496	47.95	-26.05	74	54.12	40.5	16.5	63.17	-	-	P	H
		14496	41	-13	54	47.17	40.5	16.5	63.17	-	-	A	H
		17984	51.39	-22.61	74	47.29	42.96	18.42	57.28	-	-	P	H
		17984	42.35	-11.65	54	38.25	42.96	18.42	57.28	-	-	A	H
		20655	38.92	-35.08	74	59.72	37.88	-3.81	54.87	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 187		10928	47.91	-26.09	74	55.84	38.67	14.27	60.87	-	-	P	V
6885MHz		10928	38.97	-15.03	54	46.9	38.67	14.27	60.87	-	-	A	V
		13770	46.23	-41.97	88.2	52.68	40.3	16.09	62.84	-	-	P	V
		14472	48.78	-25.22	74	54.94	40.53	16.49	63.18	-	-	P	V
		14472	41.04	-12.96	54	47.2	40.53	16.49	63.18	-	-	A	V
		18000	51.75	-22.25	74	47.46	43.1	18.43	57.24	-	-	P	V
		18000	42.46	-11.54	54	38.17	43.1	18.43	57.24	-	-	A	V
		20655	37.97	-36.03	74	58.77	37.88	-3.81	54.87	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 7 - 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10872	47.47	-26.53	74	55.33	38.78	14.24	60.88	-	-	P	H
		10872	39.07	-14.93	54	46.93	38.78	14.24	60.88	-	-	A	H
		13250	46	-28	74	52.55	39.65	15.65	61.85	-	-	P	H
		14496	48.35	-25.65	74	54.52	40.5	16.5	63.17	-	-	P	H
		14496	41.11	-12.89	54	47.28	40.5	16.5	63.17	-	-	A	H
		18000	51.54	-22.46	74	47.25	43.1	18.43	57.24	-	-	P	H
		18000	42.42	-11.58	54	38.13	43.1	18.43	57.24	-	-	A	H
		19875	38.08	-35.92	74	58.24	37.65	-2.88	54.93	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 135		12600	47.49	-26.51	74	55.68	38.8	15.17	62.16	-	-	P	V
6625MHz		12600	38.6	-15.4	54	46.79	38.8	15.17	62.16	-	-	A	V
		13250	46.32	-27.68	74	52.87	39.65	15.65	61.85	-	-	P	V
		14496	48.23	-25.77	74	54.4	40.5	16.5	63.17	-	-	P	V
		14496	41.14	-12.86	54	47.31	40.5	16.5	63.17	-	-	A	V
		17920	51.34	-22.66	74	48	42.38	18.38	57.42	-	-	P	V
		17920	41.95	-12.05	54	38.61	42.38	18.38	57.42	-	-	A	V
		19875	38.06	-35.94	74	58.22	37.65	-2.88	54.93	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11048	47.63	-26.37	74	55.56	38.6	14.33	60.86	-	-	P	H
		11048	38.86	-15.14	54	46.79	38.6	14.33	60.86	-	-	A	H
		13410	47.2	-41	88.2	53.28	40.2	15.79	62.07	-	-	P	H
		14496	48.41	-25.59	74	54.58	40.5	16.5	63.17	-	-	P	H
		14496	40.92	-13.08	54	47.09	40.5	16.5	63.17	-	-	A	H
		18000	51.89	-22.11	74	47.6	43.1	18.43	57.24	-	-	P	H
		18000	42.41	-11.59	54	38.12	43.1	18.43	57.24	-	-	A	H
		20115	37.78	-36.22	74	58.18	37.64	-3.14	54.9	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 151		11000	47.39	-26.61	74	55.34	38.6	14.31	60.86	-	-	P	V
6705MHz		11000	38.86	-15.14	54	46.81	38.6	14.31	60.86	-	-	A	V
		13410	47.1	-41.1	88.2	53.18	40.2	15.79	62.07	-	-	P	V
		14480	48.8	-25.2	74	54.97	40.52	16.49	63.18	-	-	P	V
		14480	41.04	-12.96	54	47.21	40.52	16.49	63.18	-	-	A	V
		17896	51.89	-22.11	74	48.87	42.14	18.36	57.48	-	-	P	V
		17896	41.39	-12.61	54	38.37	42.14	18.36	57.48	-	-	A	V
		20115	37.32	-36.68	74	57.72	37.64	-3.14	54.9	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10904	47.63	-26.37	74	55.54	38.7	14.26	60.87	-	-	P	H
		10904	38.91	-15.09	54	46.82	38.7	14.26	60.87	-	-	A	H
		13570	46.24	-41.96	88.2	52.27	40.41	15.92	62.36	-	-	P	H
		14488	47.9	-26.1	74	54.08	40.51	16.49	63.18	-	-	P	H
		14488	41.08	-12.92	54	47.26	40.51	16.49	63.18	-	-	A	H
		17896	51.87	-22.13	74	48.85	42.14	18.36	57.48	-	-	P	H
		17896	41.32	-12.68	54	38.3	42.14	18.36	57.48	-	-	A	H
		20355	37.48	-36.52	74	58.25	37.88	-3.75	54.9	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 167		12576	47.84	-26.16	74	56.11	38.78	15.15	62.2	-	-	P	V
6785MHz		12576	38.56	-15.44	54	46.83	38.78	15.15	62.2	-	-	A	V
		13570	46.5	-41.7	88.2	52.53	40.41	15.92	62.36	-	-	P	V
		14480	48.08	-25.92	74	54.25	40.52	16.49	63.18	-	-	P	V
		14480	40.75	-13.25	54	46.92	40.52	16.49	63.18	-	-	A	V
		17952	51.74	-22.26	74	48.02	42.67	18.4	57.35	-	-	P	V
		17952	41.88	-12.12	54	38.16	42.67	18.4	57.35	-	-	A	V
		20355	37.54	-36.46	74	58.31	37.88	-3.75	54.9	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12568	47.53	-26.47	74	55.83	38.77	15.15	62.22	-	-	P	H
		12568	38.55	-15.45	54	46.85	38.77	15.15	62.22	-	-	A	H
		13730	45.96	-42.24	88.2	52.36	40.3	16.05	62.75	-	-	P	H
		14472	47.93	-26.07	74	54.09	40.53	16.49	63.18	-	-	P	H
		14472	41.11	-12.89	54	47.27	40.53	16.49	63.18	-	-	A	H
		17968	51.71	-22.29	74	47.8	42.81	18.41	57.31	-	-	P	H
		17968	42.1	-11.9	54	38.19	42.81	18.41	57.31	-	-	A	H
		20595	38.46	-35.54	74	59.35	37.92	-3.93	54.88	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 183		12688	47.68	-26.32	74	55.49	38.98	15.23	62.02	-	-	P	V
6865MHz		12688	38.89	-15.11	54	46.7	38.98	15.23	62.02	-	-	A	V
		13730	46.19	-42.01	88.2	52.59	40.3	16.05	62.75	-	-	P	V
		14472	48.21	-25.79	74	54.37	40.53	16.49	63.18	-	-	P	V
		14472	41.02	-12.98	54	47.18	40.53	16.49	63.18	-	-	A	V
		17992	51.74	-22.26	74	47.55	43.03	18.42	57.26	-	-	P	V
		17992	42.38	-11.62	54	38.19	43.03	18.42	57.26	-	-	A	V
		20595	37.6	-36.4	74	58.49	37.92	-3.93	54.88	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12536	47.55	-26.45	74	55.95	38.74	15.13	62.27	-	-	P	H
		12536	38.44	-15.56	54	46.84	38.74	15.13	62.27	-	-	A	H
		13330	46.83	-27.17	74	53.23	39.85	15.71	61.96	-	-	P	H
		14488	47.84	-26.16	74	54.02	40.51	16.49	63.18	-	-	P	H
		14488	40.84	-13.16	54	47.02	40.51	16.49	63.18	-	-	A	H
		17944	52.1	-21.9	74	48.48	42.6	18.39	57.37	-	-	P	H
		17944	42.1	-11.9	54	38.48	42.6	18.39	57.37	-	-	A	H
		19995	37.28	-36.72	74	57.52	37.51	-2.85	54.9	-	-	P	H
													H
													H
802.11ax													H
HE160 Full													H
CH 143		10816	48.21	-25.79	74	55.94	38.95	14.21	60.89	-	-	P	V
6665MHz		10816	39.21	-14.79	54	46.94	38.95	14.21	60.89	-	-	A	V
		13330	46.44	-27.56	74	52.84	39.85	15.71	61.96	-	-	P	V
		14480	48.69	-25.31	74	54.86	40.52	16.49	63.18	-	-	P	V
		14480	40.72	-13.28	54	46.89	40.52	16.49	63.18	-	-	A	V
		17968	51.06	-22.94	74	47.15	42.81	18.41	57.31	-	-	P	V
		17968	42.06	-11.94	54	38.15	42.81	18.41	57.31	-	-	A	V
		19995	37.7	-36.3	74	57.94	37.51	-2.85	54.9	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11744	47.5	-26.5	74	55.52	38.46	14.65	61.13	-	-	P	H
		11744	38.97	-15.03	54	46.99	38.46	14.65	61.13	-	-	A	H
		13650	45.45	-42.75	88.2	51.62	40.4	15.98	62.55	-	-	P	H
		14480	49.36	-24.64	74	55.53	40.52	16.49	63.18	-	-	P	H
		14480	41.14	-12.86	54	47.31	40.52	16.49	63.18	-	-	A	H
		17944	51.63	-22.37	74	48.01	42.6	18.39	57.37	-	-	P	H
		17944	41.72	-12.28	54	38.1	42.6	18.39	57.37	-	-	A	H
		20475	38.53	-35.47	74	59.51	37.98	-4.06	54.9	-	-	P	H
													H
													H
802.11ax													H
HE160 Full													H
CH 175		12640	48.1	-25.9	74	56.12	38.88	15.2	62.1	-	-	P	V
6825MHz		12640	38.79	-15.21	54	46.81	38.88	15.2	62.1	-	-	A	V
		13650	45.91	-42.29	88.2	52.08	40.4	15.98	62.55	-	-	P	V
		14496	48.13	-25.87	74	54.3	40.5	16.5	63.17	-	-	P	V
		14496	40.96	-13.04	54	47.13	40.5	16.5	63.17	-	-	A	V
		17952	52.45	-21.55	74	48.73	42.67	18.4	57.35	-	-	P	V
		17952	42.25	-11.75	54	38.53	42.67	18.4	57.35	-	-	A	V
		20475	37.83	-36.17	74	58.81	37.98	-4.06	54.9	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<CDD Mode>

Band 8 - 6875~7125MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 229 7095MHz	*	7095	110.16	-	-	99.67	35.97	11.61	37.09	104	231	P	H
	*	7095	102.83	-	-	92.34	35.97	11.61	37.09	104	231	A	H
		7125.8	72.16	-16.04	88.2	61.4	36.21	11.64	37.09	104	231	P	H
		7125	60.21	-7.99	68.2	49.46	36.2	11.64	37.09	104	231	A	H
													H
													H
	*	7095	108.32	-	-	97.83	35.97	11.61	37.09	100	49	P	V
	*	7095	101.09	-	-	90.6	35.97	11.61	37.09	100	49	A	V
		7126.6	68.55	-19.65	88.2	57.79	36.21	11.64	37.09	100	49	P	V
		7125.8	57.48	-10.72	68.2	46.72	36.21	11.64	37.09	100	49	A	V
													V
													V
802.11a CH 233 7115MHz	*	7115	106.18	-	-	95.52	36.12	11.63	37.09	100	200	P	H
	*	7115	98.97	-	-	88.31	36.12	11.63	37.09	100	200	A	H
		7125	76.57	-11.63	88.2	65.82	36.2	11.64	37.09	100	200	P	H
		7125	65.09	-3.11	68.2	54.34	36.2	11.64	37.09	100	200	A	H
													H
													H
	*	7115	104.39	-	-	93.73	36.12	11.63	37.09	100	44	P	V
	*	7115	97.1	-	-	86.44	36.12	11.63	37.09	100	44	A	V
		7125.32	77.98	-10.22	88.2	67.23	36.2	11.64	37.09	100	44	P	V
		7125	64.64	-3.56	68.2	53.89	36.2	11.64	37.09	100	44	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<CDD Mode>

Band 8 - 6875~7125MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11768	47.72	-26.28	74	55.78	38.43	14.66	61.15	-	-	P	H
		11768	38.86	-15.14	54	46.92	38.43	14.66	61.15	-	-	A	H
		13790	47.51	-40.69	88.2	54	40.3	16.1	62.89	-	-	P	H
		14480	48.65	-25.35	74	54.82	40.52	16.49	63.18	-	-	P	H
		14480	41.45	-12.55	54	47.62	40.52	16.49	63.18	-	-	A	H
		17960	51.99	-22.01	74	48.18	42.74	18.4	57.33	-	-	P	H
		17960	42.15	-11.85	54	38.34	42.74	18.4	57.33	-	-	A	H
		20685	37.82	-36.18	74	58.58	37.85	-3.75	54.86	-	-	P	H
													H
													H
													H
802.11a CH 189 6895MHz													H
		11752	47.99	-26.01	74	56.03	38.45	14.65	61.14	-	-	P	V
		11752	38.99	-15.01	54	47.03	38.45	14.65	61.14	-	-	A	V
		13790	46.32	-41.88	88.2	52.81	40.3	16.1	62.89	-	-	P	V
		14472	48.19	-25.81	74	54.35	40.53	16.49	63.18	-	-	P	V
		14472	41.18	-12.82	54	47.34	40.53	16.49	63.18	-	-	A	V
		17944	51.41	-22.59	74	47.79	42.6	18.39	57.37	-	-	P	V
		17944	41.4	-12.6	54	37.78	42.6	18.39	57.37	-	-	A	V
		20685	40.06	-33.94	74	60.82	37.85	-3.75	54.86	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11728	48.37	-25.63	74	56.37	38.47	14.64	61.11	-	-	P	H
		11728	38.86	-15.14	54	46.86	38.47	14.64	61.11	-	-	A	H
		13990	48.1	-40.1	88.2	54.63	40.58	16.27	63.38	-	-	P	H
		14488	48.07	-25.93	74	54.25	40.51	16.49	63.18	-	-	P	H
		14488	40.92	-13.08	54	47.1	40.51	16.49	63.18	-	-	A	H
		17880	52.16	-21.84	74	49.41	41.92	18.35	57.52	-	-	P	H
		17880	41.12	-12.88	54	38.37	41.92	18.35	57.52	-	-	A	H
		20985	38.35	-35.65	74	58.3	37.99	-3.14	54.8	-	-	P	H
													H
													H
													H
802.11a CH 209 6995MHz													H
		10992	47.7	-26.3	74	55.65	38.61	14.3	60.86	-	-	P	V
		10992	38.7	-15.3	54	46.65	38.61	14.3	60.86	-	-	A	V
		13990	47.9	-40.3	88.2	54.43	40.58	16.27	63.38	-	-	P	V
		14480	47.83	-26.17	74	54	40.52	16.49	63.18	-	-	P	V
		14480	40.78	-13.22	54	46.95	40.52	16.49	63.18	-	-	A	V
		17960	51.9	-22.1	74	48.09	42.74	18.4	57.33	-	-	P	V
		17960	41.89	-12.11	54	38.08	42.74	18.4	57.33	-	-	A	V
		20985	37.7	-36.3	74	57.65	37.99	-3.14	54.8	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12608	48.08	-25.92	74	56.23	38.82	15.18	62.15	-	-	P	H
		12608	38.78	-15.22	54	46.93	38.82	15.18	62.15	-	-	A	H
		14190	49.35	-38.85	88.2	55.4	40.89	16.37	63.31	-	-	P	H
		14480	48.51	-25.49	74	54.68	40.52	16.49	63.18	-	-	P	H
		14480	40.89	-13.11	54	47.06	40.52	16.49	63.18	-	-	A	H
		17960	51.82	-22.18	74	48.01	42.74	18.4	57.33	-	-	P	H
		17960	41.98	-12.02	54	38.17	42.74	18.4	57.33	-	-	A	H
		21285	39.78	-34.22	74	59.7	37.67	-2.79	54.8	-	-	P	H
													H
													H
													H
802.11a CH 229 7095MHz													H
		11776	47.65	-26.35	74	55.72	38.42	14.67	61.16	-	-	P	V
		11776	38.51	-15.49	54	46.58	38.42	14.67	61.16	-	-	A	V
		14190	47.86	-40.34	88.2	53.91	40.89	16.37	63.31	-	-	P	V
		14480	48.71	-25.29	74	54.88	40.52	16.49	63.18	-	-	P	V
		14480	40.71	-13.29	54	46.88	40.52	16.49	63.18	-	-	A	V
		17944	52.08	-21.92	74	48.46	42.6	18.39	57.37	-	-	P	V
		17944	42.07	-11.93	54	38.45	42.6	18.39	57.37	-	-	A	V
		21285	38.6	-35.4	74	58.52	37.67	-2.79	54.8	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10808	47.37	-26.63	74	55.07	38.98	14.21	60.89	-	-	P	H
		10808	39.37	-14.63	54	47.07	38.98	14.21	60.89	-	-	A	H
		14230	48.16	-40.04	88.2	54.19	40.87	16.39	63.29	-	-	P	H
		14472	48.42	-25.58	74	54.58	40.53	16.49	63.18	-	-	P	H
		14472	41.24	-12.76	54	47.4	40.53	16.49	63.18	-	-	A	H
		17960	51.57	-22.43	74	47.76	42.74	18.4	57.33	-	-	P	H
		17960	42.06	-11.94	54	38.25	42.74	18.4	57.33	-	-	A	H
		21345	40.97	-33.03	74	60.7	37.79	-2.72	54.8	-	-	P	H
													H
													H
													H
802.11a CH 233 7115MHz													H
		12488	47.88	-26.12	74	56.39	38.7	15.1	62.31	-	-	P	V
		12488	37.88	-16.12	54	46.39	38.7	15.1	62.31	-	-	A	V
		14230	47.91	-40.29	88.2	53.94	40.87	16.39	63.29	-	-	P	V
		14480	48.18	-25.82	74	54.35	40.52	16.49	63.18	-	-	P	V
		14480	41.21	-12.79	54	47.38	40.52	16.49	63.18	-	-	A	V
		18000	51.68	-22.32	74	47.39	43.1	18.43	57.24	-	-	P	V
		18000	42.5	-11.5	54	38.21	43.1	18.43	57.24	-	-	A	V
		21345	41.15	-32.85	74	60.88	37.79	-2.72	54.8	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	7095	112.01	-	-	101.52	35.97	11.61	37.09	105	231	P	H
	*	7095	102.66	-	-	92.17	35.97	11.61	37.09	105	231	A	H
		7125	73.99	-14.21	88.2	63.24	36.2	11.64	37.09	105	231	P	H
		7125	61.82	-6.38	68.2	51.07	36.2	11.64	37.09	105	231	A	H
802.11ax													H
HE20 Full													H
CH 229	*	7095	109.75	-	-	99.26	35.97	11.61	37.09	100	49	P	V
7095MHz	*	7095	100.67	-	-	90.18	35.97	11.61	37.09	100	49	A	V
		7127.24	72.93	-15.27	88.2	62.16	36.22	11.64	37.09	100	49	P	V
		7125.96	59.65	-8.55	68.2	48.89	36.21	11.64	37.09	100	49	A	V
													V
													V
	*	7115	90.46	-	-	79.8	36.12	11.63	37.09	100	179	P	H
	*	7115	80.01	-	-	69.35	36.12	11.63	37.09	100	179	A	H
		7125.02	73.11	-15.09	88.2	62.36	36.2	11.64	37.09	100	179	P	H
		7125.02	66.92	-1.28	68.2	56.17	36.2	11.64	37.09	100	179	A	H
802.11ax													H
HE20 Full													H
CH 233	*	7115	89.05	-	-	78.39	36.12	11.63	37.09	100	69	P	V
7115MHz	*	7115	79.24	-	-	68.58	36.12	11.63	37.09	100	69	A	V
		7125.02	75.08	-13.12	88.2	64.33	36.2	11.64	37.09	100	69	P	V
		7125.02	66.33	-1.87	68.2	55.58	36.2	11.64	37.09	100	69	A	V
													V
													V

Remark

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

<SDM Mode>

Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11800	47.93	-26.07	74	56.04	38.4	14.68	61.19	-	-	P	H
		11800	38.92	-15.08	54	47.03	38.4	14.68	61.19	-	-	A	H
		13790	46.52	-41.68	88.2	53.01	40.3	16.1	62.89	-	-	P	H
		14488	48.46	-25.54	74	54.64	40.51	16.49	63.18	-	-	P	H
		14488	40.76	-13.24	54	46.94	40.51	16.49	63.18	-	-	A	H
		17896	51.48	-22.52	74	48.46	42.14	18.36	57.48	-	-	P	H
		17896	41.2	-12.8	54	38.18	42.14	18.36	57.48	-	-	A	H
		20685	37.24	-36.76	74	58	37.85	-3.75	54.86	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 189		12632	48.61	-25.39	74	56.67	38.86	15.19	62.11	-	-	P	V
6895MHz		12632	38.61	-15.39	54	46.67	38.86	15.19	62.11	-	-	A	V
		13790	47.48	-40.72	88.2	53.97	40.3	16.1	62.89	-	-	P	V
		14496	48.48	-25.52	74	54.65	40.5	16.5	63.17	-	-	P	V
		14496	41.47	-12.53	54	47.64	40.5	16.5	63.17	-	-	A	V
		17992	52.05	-21.95	74	47.86	43.03	18.42	57.26	-	-	P	V
		17992	42.36	-11.64	54	38.17	43.03	18.42	57.26	-	-	A	V
		20685	36.69	-37.31	74	57.45	37.85	-3.75	54.86	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11832	47.73	-26.27	74	55.79	38.46	14.7	61.22	-	-	P	H
		11832	38.66	-15.34	54	46.72	38.46	14.7	61.22	-	-	A	H
		13990	48.24	-39.96	88.2	54.77	40.58	16.27	63.38	-	-	P	H
		14488	47.97	-26.03	74	54.15	40.51	16.49	63.18	-	-	P	H
		14488	40.8	-13.2	54	46.98	40.51	16.49	63.18	-	-	A	H
		17960	51.39	-22.61	74	47.58	42.74	18.4	57.33	-	-	P	H
		17960	42.2	-11.8	54	38.39	42.74	18.4	57.33	-	-	A	H
		20985	37.39	-36.61	74	57.34	37.99	-3.14	54.8	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 209		12528	47.45	-26.55	74	55.88	38.73	15.12	62.28	-	-	P	V
6995MHz		12528	38.44	-15.56	54	46.87	38.73	15.12	62.28	-	-	A	V
		13990	48.51	-39.69	88.2	55.04	40.58	16.27	63.38	-	-	P	V
		14472	47.81	-26.19	74	53.97	40.53	16.49	63.18	-	-	P	V
		14472	40.8	-13.2	54	46.96	40.53	16.49	63.18	-	-	A	V
		17992	51.72	-22.28	74	47.53	43.03	18.42	57.26	-	-	P	V
		17992	42.51	-11.49	54	38.32	43.03	18.42	57.26	-	-	A	V
		20985	37.85	-36.15	74	57.8	37.99	-3.14	54.8	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12560	48.2	-25.8	74	56.53	38.76	15.14	62.23	-	-	P	H
		12560	38.19	-15.81	54	46.52	38.76	15.14	62.23	-	-	A	H
		14190	48.53	-39.67	88.2	54.58	40.89	16.37	63.31	-	-	P	H
		14488	48.47	-25.53	74	54.65	40.51	16.49	63.18	-	-	P	H
		14488	41.3	-12.7	54	47.48	40.51	16.49	63.18	-	-	A	H
		17888	51.83	-22.17	74	48.95	42.03	18.35	57.5	-	-	P	H
		17888	41.43	-12.57	54	38.55	42.03	18.35	57.5	-	-	A	H
		21285	38.86	-35.14	74	58.78	37.67	-2.79	54.8	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 229		11016	48.06	-25.94	74	56.01	38.6	14.31	60.86	-	-	P	V
7095MHz		11016	39.1	-14.9	54	47.05	38.6	14.31	60.86	-	-	A	V
		14190	48	-40.2	88.2	54.05	40.89	16.37	63.31	-	-	P	V
		14472	48.07	-25.93	74	54.23	40.53	16.49	63.18	-	-	P	V
		14472	40.89	-13.11	54	47.05	40.53	16.49	63.18	-	-	A	V
		18000	51.66	-22.34	74	47.37	43.1	18.43	57.24	-	-	P	V
		18000	42.66	-11.34	54	38.37	43.1	18.43	57.24	-	-	A	V
		21285	40.23	-33.77	74	60.15	37.67	-2.79	54.8	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12624	47.68	-26.32	74	55.76	38.85	15.19	62.12	-	-	P	H
		12624	38.67	-15.33	54	46.75	38.85	15.19	62.12	-	-	A	H
		14230	48.34	-39.86	88.2	54.37	40.87	16.39	63.29	-	-	P	H
		14488	48.34	-25.66	74	54.52	40.51	16.49	63.18	-	-	P	H
		14488	41.16	-12.84	54	47.34	40.51	16.49	63.18	-	-	A	H
		17944	51.98	-22.02	74	48.36	42.6	18.39	57.37	-	-	P	H
		17944	41.97	-12.03	54	38.35	42.6	18.39	57.37	-	-	A	H
		21345	39.8	-34.2	74	59.53	37.79	-2.72	54.8	-	-	P	H
													H
													H
802.11ax													H
HE20 Full													H
CH 233		10992	47.75	-26.25	74	55.7	38.61	14.3	60.86	-	-	P	V
7115MHz		10992	38.79	-15.21	54	46.74	38.61	14.3	60.86	-	-	A	V
		14230	48.24	-39.96	88.2	54.27	40.87	16.39	63.29	-	-	P	V
		14480	48.42	-25.58	74	54.59	40.52	16.49	63.18	-	-	P	V
		14480	41.24	-12.76	54	47.41	40.52	16.49	63.18	-	-	A	V
		17952	52	-22	74	48.28	42.67	18.4	57.35	-	-	P	V
		17952	41.99	-12.01	54	38.27	42.67	18.4	57.35	-	-	A	V
		21345	42.53	-31.47	74	62.26	37.79	-2.72	54.8	150	23	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	7095	113.93	-	-	103.44	35.97	11.61	37.09	100	130	P	H
	*	7095	104.5	-	-	94.01	35.97	11.61	37.09	100	130	A	H
		7127.4	83.41	-4.79	88.2	72.64	36.22	11.64	37.09	100	130	P	H
802.11ax		7125.32	65.29	-2.91	68.2	54.54	36.2	11.64	37.09	100	130	A	H
HE20													H
Partial													H
106/54	*	7095	113.34	-	-	102.85	35.97	11.61	37.09	100	64	P	V
CH 229	*	7095	104.29	-	-	93.8	35.97	11.61	37.09	100	64	A	V
7095MHz		7126.6	83.81	-4.39	88.2	73.05	36.21	11.64	37.09	100	64	P	V
		7125.64	65.91	-2.29	68.2	55.15	36.21	11.64	37.09	100	64	A	V
													V
													V
	*	7115	84.69	-	-	74.03	36.12	11.63	37.09	100	116	P	H
	*	7115	75.18	-	-	64.52	36.12	11.63	37.09	100	116	A	H
		7125.02	72.27	-15.93	88.2	61.52	36.2	11.64	37.09	100	116	P	H
802.11ax		7125.02	64.58	-3.62	68.2	53.83	36.2	11.64	37.09	100	116	A	H
HE20													H
Partial													H
106/54	*	7115	85.39	-	-	74.73	36.12	11.63	37.09	100	48	P	V
CH 233	*	7115	76.59	-	-	65.93	36.12	11.63	37.09	100	48	A	V
7115MHz		7125.02	74.3	-13.9	88.2	63.55	36.2	11.64	37.09	100	48	P	V
		7125.02	66.76	-1.44	68.2	56.01	36.2	11.64	37.09	100	48	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	7085	107.04	-	-	96.62	35.91	11.6	37.09	100	200	P	H
	*	7085	96.98	-	-	86.56	35.91	11.6	37.09	100	200	A	H
		7125.48	74.23	-13.97	88.2	63.48	36.2	11.64	37.09	100	200	P	H
		7125.3	58.47	-9.73	68.2	47.72	36.2	11.64	37.09	100	200	A	H
802.11ax													H
HE40 Full													H
CH 227	*	7085	105.88	-	-	95.46	35.91	11.6	37.09	100	44	P	V
7085MHz	*	7085	96.3	-	-	85.88	35.91	11.6	37.09	100	44	A	V
		7125.3	76.41	-11.79	88.2	65.66	36.2	11.64	37.09	100	44	P	V
		7125	64.33	-3.87	68.2	53.58	36.2	11.64	37.09	100	44	A	V
													V
													V

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

<SDM Mode>

Band 8 - 6875~7125MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11760	47.39	-26.61	74	55.44	38.44	14.66	61.15	-	-	P	H
		11760	38.88	-15.12	54	46.93	38.44	14.66	61.15	-	-	A	H
		13850	46.47	-41.73	88.2	53.01	40.35	16.15	63.04	-	-	P	H
		14488	48.72	-25.28	74	54.9	40.51	16.49	63.18	-	-	P	H
		14488	41.1	-12.9	54	47.28	40.51	16.49	63.18	-	-	A	H
		18000	51.78	-22.22	74	47.49	43.1	18.43	57.24	-	-	P	H
		18000	42.77	-11.23	54	38.48	43.1	18.43	57.24	-	-	A	H
		20775	37.57	-36.43	74	58.16	37.82	-3.56	54.85	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 195		11784	47.62	-26.38	74	55.7	38.42	14.67	61.17	-	-	P	V
6925MHz		11784	38.61	-15.39	54	46.69	38.42	14.67	61.17	-	-	A	V
		13850	46.85	-41.35	88.2	53.39	40.35	16.15	63.04	-	-	P	V
		14472	48.16	-25.84	74	54.32	40.53	16.49	63.18	-	-	P	V
		14472	41.17	-12.83	54	47.33	40.53	16.49	63.18	-	-	A	V
		17968	51.65	-22.35	74	47.74	42.81	18.41	57.31	-	-	P	V
		17968	42.38	-11.62	54	38.47	42.81	18.41	57.31	-	-	A	V
		20775	38.03	-35.97	74	58.62	37.82	-3.56	54.85	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12700	47.95	-26.05	74	55.71	39	15.24	62	-	-	P	H
		12700	38.95	-15.05	54	46.71	39	15.24	62	-	-	A	H
		14010	48.13	-40.07	88.2	54.63	40.62	16.28	63.4	-	-	P	H
		14496	48.31	-25.69	74	54.48	40.5	16.5	63.17	-	-	P	H
		14496	41.11	-12.89	54	47.28	40.5	16.5	63.17	-	-	A	H
		18000	51.34	-22.66	74	47.05	43.1	18.43	57.24	-	-	P	H
		18000	42.37	-11.63	54	38.08	43.1	18.43	57.24	-	-	A	H
		21015	38.01	-35.99	74	57.92	37.98	-3.09	54.8	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 211		11000	47.71	-26.29	74	55.66	38.6	14.31	60.86	-	-	P	V
7005MHz		11000	38.74	-15.26	54	46.69	38.6	14.31	60.86	-	-	A	V
		14010	47.84	-40.36	88.2	54.34	40.62	16.28	63.4	-	-	P	V
		14496	48.21	-25.79	74	54.38	40.5	16.5	63.17	-	-	P	V
		14496	41.03	-12.97	54	47.2	40.5	16.5	63.17	-	-	A	V
		17952	51.19	-22.81	74	47.47	42.67	18.4	57.35	-	-	P	V
		17952	42.18	-11.82	54	38.46	42.67	18.4	57.35	-	-	A	V
		21015	37.48	-36.52	74	57.39	37.98	-3.09	54.8	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10880	47.86	-26.14	74	55.74	38.76	14.24	60.88	-	-	P	H
		10880	38.99	-15.01	54	46.87	38.76	14.24	60.88	-	-	A	H
		14170	48.52	-39.68	88.2	54.61	40.87	16.36	63.32	-	-	P	H
		14472	48.4	-25.6	74	54.56	40.53	16.49	63.18	-	-	P	H
		14472	41.22	-12.78	54	47.38	40.53	16.49	63.18	-	-	A	H
		17896	51.3	-22.7	74	48.28	42.14	18.36	57.48	-	-	P	H
		17896	41.29	-12.71	54	38.27	42.14	18.36	57.48	-	-	A	H
		21255	38.02	-35.98	74	58.03	37.61	-2.82	54.8	-	-	P	H
													H
													H
802.11ax													H
HE40 Full													H
CH 227		10992	47.72	-26.28	74	55.67	38.61	14.3	60.86	-	-	P	V
7085MHz		10992	38.76	-15.24	54	46.71	38.61	14.3	60.86	-	-	A	V
		14170	48.02	-40.18	88.2	54.11	40.87	16.36	63.32	-	-	P	V
		14472	48.67	-25.33	74	54.83	40.53	16.49	63.18	-	-	P	V
		14472	41.19	-12.81	54	47.35	40.53	16.49	63.18	-	-	A	V
		17992	51.48	-22.52	74	47.29	43.03	18.42	57.26	-	-	P	V
		17992	42.47	-11.53	54	38.28	43.03	18.42	57.26	-	-	A	V
		21255	38.86	-35.14	74	58.87	37.61	-2.82	54.8	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	7085	110.21	-	-	99.79	35.91	11.6	37.09	100	188	P	H
	*	7085	100.75	-	-	90.33	35.91	11.6	37.09	100	188	A	H
		7127.28	80.75	-7.45	88.2	69.98	36.22	11.64	37.09	100	188	P	H
802.11ax		7126.2	63.38	-4.82	68.2	52.62	36.21	11.64	37.09	100	188	A	H
HE40													H
Partial													H
242/62	*	7085	111.39	-	-	100.97	35.91	11.6	37.09	100	44	P	V
CH 227	*	7085	102.14	-	-	91.72	35.91	11.6	37.09	100	44	A	V
7085MHz		7130.7	83.35	-4.85	88.2	72.55	36.25	11.64	37.09	100	44	P	V
		7130.52	67.03	-1.17	68.2	56.24	36.24	11.64	37.09	100	44	A	V
													V
													V

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

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	7025	107.71	-	-	97.65	35.6	11.55	37.09	100	231	P	H
	*	7025	97.21	-	-	87.15	35.6	11.55	37.09	100	231	A	H
		7138.92	76.72	-11.48	88.2	65.85	36.31	11.65	37.09	100	231	P	H
		7125	65.45	-2.75	68.2	54.7	36.2	11.64	37.09	100	231	A	H
802.11ax													H
HE80 Full													H
CH 215	*	7025	104.29	-	-	94.23	35.6	11.55	37.09	100	44	P	V
7025MHz	*	7025	94.82	-	-	84.76	35.6	11.55	37.09	100	44	A	V
		7125.64	76.35	-11.85	88.2	65.59	36.21	11.64	37.09	100	44	P	V
		7125	65.46	-2.74	68.2	54.71	36.2	11.64	37.09	100	44	A	V
													V
													V

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

<SDM Mode>

Band 8 - 6875~7125MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12680	48.3	-25.7	74	56.15	38.96	15.22	62.03	-	-	P	H
		12680	38.98	-15.02	54	46.83	38.96	15.22	62.03	-	-	A	H
		13890	47.1	-41.1	88.2	53.65	40.39	16.19	63.13	-	-	P	H
		14496	48.9	-25.1	74	55.07	40.5	16.5	63.17	-	-	P	H
		14496	40.87	-13.13	54	47.04	40.5	16.5	63.17	-	-	A	H
		18000	51.86	-22.14	74	47.57	43.1	18.43	57.24	-	-	P	H
		18000	42.85	-11.15	54	38.56	43.1	18.43	57.24	-	-	A	H
		20835	37.85	-36.15	74	58.25	37.87	-3.44	54.83	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 199		10760	47.43	-26.57	74	55.22	38.92	14.18	60.89	-	-	P	V
6945MHz		10760	38.94	-15.06	54	46.73	38.92	14.18	60.89	-	-	A	V
		13890	47.28	-40.92	88.2	53.83	40.39	16.19	63.13	-	-	P	V
		14496	48.64	-25.36	74	54.81	40.5	16.5	63.17	-	-	P	V
		14496	40.91	-13.09	54	47.08	40.5	16.5	63.17	-	-	A	V
		17992	51.34	-22.66	74	47.15	43.03	18.42	57.26	-	-	P	V
		17992	42.52	-11.48	54	38.33	43.03	18.42	57.26	-	-	A	V
		20835	37.1	-36.9	74	57.5	37.87	-3.44	54.83	-	-	P	V
													V
													V
													V
													V

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11784	47.7	-26.3	74	55.78	38.42	14.67	61.17	-	-	P	H
		11784	38.69	-15.31	54	46.77	38.42	14.67	61.17	-	-	A	H
		14050	48.45	-39.75	88.2	54.83	40.7	16.3	63.38	-	-	P	H
		14480	48.71	-25.29	74	54.88	40.52	16.49	63.18	-	-	P	H
		14480	40.7	-13.3	54	46.87	40.52	16.49	63.18	-	-	A	H
		17880	51.71	-22.29	74	48.96	41.92	18.35	57.52	-	-	P	H
		17880	40.93	-13.07	54	38.18	41.92	18.35	57.52	-	-	A	H
		21075	38.82	-35.18	74	58.76	37.88	-3.02	54.8	-	-	P	H
													H
													H
802.11ax													H
HE80 Full													H
CH 215		11872	47.45	-26.55	74	55.45	38.54	14.72	61.26	-	-	P	V
7025MHz		11872	38.63	-15.37	54	46.63	38.54	14.72	61.26	-	-	A	V
		14050	48.5	-39.7	88.2	54.88	40.7	16.3	63.38	-	-	P	V
		14488	49.08	-24.92	74	55.26	40.51	16.49	63.18	-	-	P	V
		14488	40.91	-13.09	54	47.09	40.51	16.49	63.18	-	-	A	V
		17888	51.51	-22.49	74	48.63	42.03	18.35	57.5	-	-	P	V
		17888	41.05	-12.95	54	38.17	42.03	18.35	57.5	-	-	A	V
		21075	39.07	-34.93	74	59.01	37.88	-3.02	54.8	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	7025	109.92	-	-	99.86	35.6	11.55	37.09	100	188	P	H
	*	7025	99.17	-	-	89.11	35.6	11.55	37.09	100	188	A	H
		7131.08	76.82	-11.38	88.2	66.02	36.25	11.64	37.09	100	188	P	H
802.11ax		7128.52	62.36	-5.84	68.2	51.58	36.23	11.64	37.09	100	188	A	H
HE80													H
Partial													H
484/66	*	7025	109	-	-	98.94	35.6	11.55	37.09	100	47	P	V
CH 215	*	7025	96.9	-	-	86.84	35.6	11.55	37.09	100	47	A	V
7025MHz		7134.6	77.33	-10.87	88.2	66.5	36.28	11.64	37.09	100	47	P	V
		7125.16	64.69	-3.51	68.2	53.94	36.2	11.64	37.09	100	47	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6985	100.89	-	-	90.95	35.5	11.52	37.08	100	12	P	H
	*	6985	90.45	-	-	80.51	35.5	11.52	37.08	100	12	A	H
		7133.48	77.27	-10.93	88.2	66.45	36.27	11.64	37.09	100	12	P	H
		7132.52	63.52	-4.68	68.2	52.71	36.26	11.64	37.09	100	12	A	H
802.11ax													H
HE160 Full													H
CH 207	*	6985	100.5	-	-	90.56	35.5	11.52	37.08	100	45	P	V
6985MHz	*	6985	90.58	-	-	80.64	35.5	11.52	37.08	100	45	A	V
		7141.16	80.36	-7.84	88.2	69.47	36.33	11.65	37.09	100	45	P	V
		7127.4	66.12	-2.08	68.2	55.35	36.22	11.64	37.09	100	45	A	V
													V
													V

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

<SDM Mode>

Band 8 - 6875~7125MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10792	47.77	-26.23	74	55.48	38.98	14.2	60.89	-	-	P	H
		10792	39.05	-14.95	54	46.76	38.98	14.2	60.89	-	-	A	H
		13970	48.67	-39.53	88.2	55.21	40.54	16.25	63.33	-	-	P	H
		14480	48.26	-25.74	74	54.43	40.52	16.49	63.18	-	-	P	H
		14480	41.09	-12.91	54	47.26	40.52	16.49	63.18	-	-	A	H
		17992	51.79	-22.21	74	47.6	43.03	18.42	57.26	-	-	P	H
		17992	42.23	-11.77	54	38.04	43.03	18.42	57.26	-	-	A	H
		20955	38.04	-35.96	74	58.09	37.96	-3.2	54.81	-	-	P	H
													H
													H
802.11ax													H
HE160 Full													H
CH 207		10848	47.39	-26.61	74	55.18	38.86	14.23	60.88	-	-	P	V
6985MHz		10848	39.01	-14.99	54	46.8	38.86	14.23	60.88	-	-	A	V
		13970	48.5	-39.7	88.2	55.04	40.54	16.25	63.33	-	-	P	V
		14496	47.91	-26.09	74	54.08	40.5	16.5	63.17	-	-	P	V
		14496	40.9	-13.1	54	47.07	40.5	16.5	63.17	-	-	A	V
		17952	51.38	-22.62	74	47.66	42.67	18.4	57.35	-	-	P	V
		17952	41.98	-12.02	54	38.26	42.67	18.4	57.35	-	-	A	V
		20955	38.46	-35.54	74	58.51	37.96	-3.2	54.81	-	-	P	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

<SDM Mode>

Band 8 - 6875~7125MHz

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

WIFI Ant. 9+8	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6985	106.15	-	-	96.21	35.5	11.52	37.08	100	184	P	H
	*	6985	96.26	-	-	86.32	35.5	11.52	37.08	100	184	A	H
		7137	83.9	-4.3	88.2	73.04	36.3	11.65	37.09	100	184	P	H
802.11ax		7132.2	65.91	-2.29	68.2	55.1	36.26	11.64	37.09	100	184	A	H
HE160													H
Partial													H
996/68	*	6985	105.48	-	-	95.54	35.5	11.52	37.08	100	32	P	V
CH 207	*	6985	96.01	-	-	86.07	35.5	11.52	37.08	100	32	A	V
6985MHz		7128.36	81.86	-6.34	88.2	71.08	36.23	11.64	37.09	100	32	P	V
		7133.8	65.85	-2.35	68.2	55.03	36.27	11.64	37.09	100	32	A	V
													V
													V

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

<SDM Mode>

Emission below 1GHz

WIFI 802.11ax HE40 (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
9+8		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 LF		59.1	27.14	-12.86	40	46.94	11.73	1.02	32.55	-	-	P	H
		93.05	28.05	-15.45	43.5	44.38	14.86	1.27	32.46	-	-	P	H
		131.85	24	-19.5	43.5	37.41	17.48	1.62	32.51	-	-	P	H
		164.83	24.06	-19.44	43.5	38.65	16.05	1.82	32.46	-	-	P	H
		471.35	27.79	-18.21	46	33.89	23.42	2.91	32.43	-	-	P	H
		774.96	30.76	-15.24	46	31.36	27.9	3.76	32.26	-	-	P	H
													H
													H
													H
													H
													H
													H
		36.79	30.23	-9.77	40	40.92	21.12	0.71	32.52	-	-	P	V
		50.37	31.9	-8.1	40	49.43	14.14	0.9	32.57	-	-	P	V
		59.1	33.82	-6.18	40	53.62	11.73	1.02	32.55	100	218	QP	V
		90.14	27.67	-15.83	43.5	44.3	14.57	1.26	32.46	-	-	P	V
		135.73	21.13	-22.37	43.5	34.55	17.43	1.66	32.51	-	-	P	V
		954.41	33.29	-12.71	46	29.31	30.88	4.28	31.18	-	-	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 **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
9+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -24.66(dB)

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

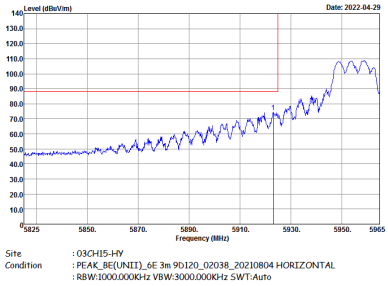
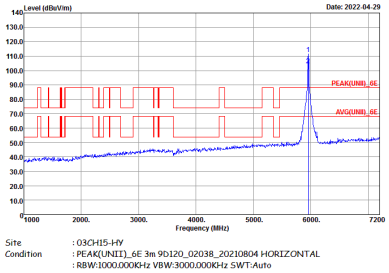
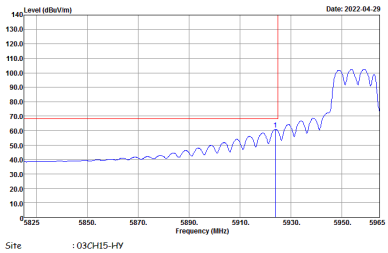
Appendix C. Radiated Spurious Emission Plots

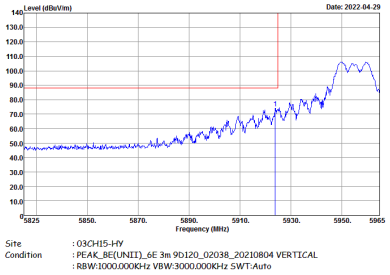
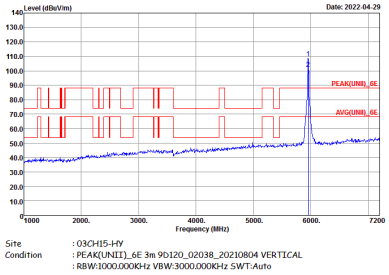
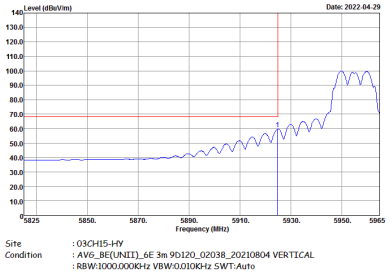
Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

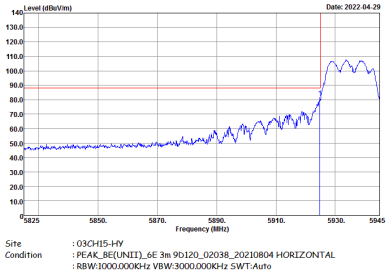
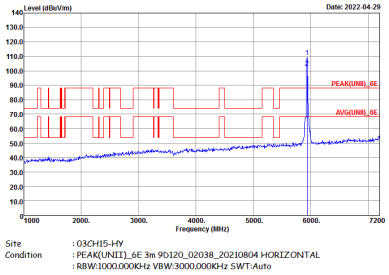
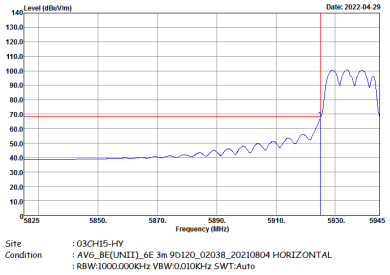
<CDD Mode>

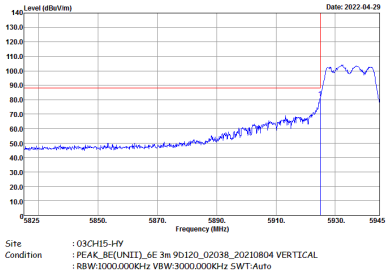
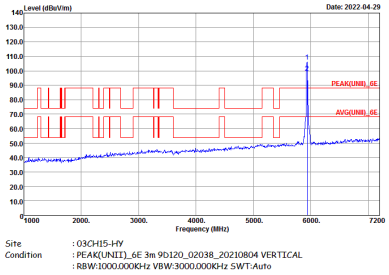
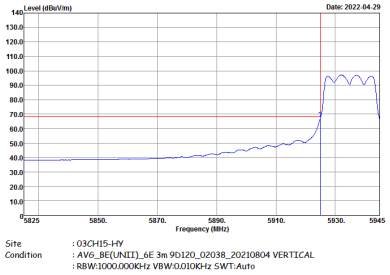
Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

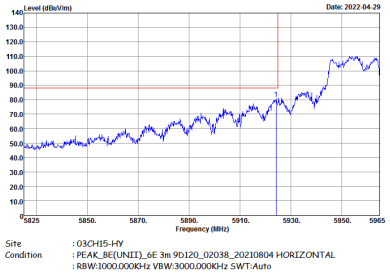
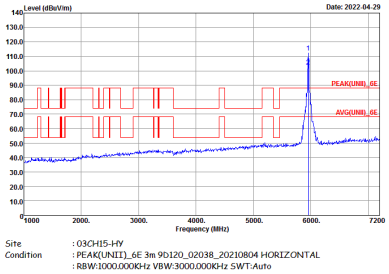
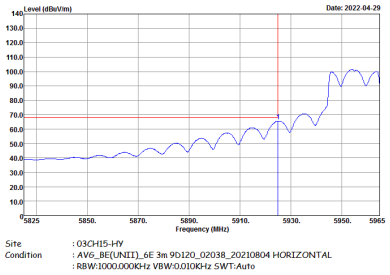
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH02 5935MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

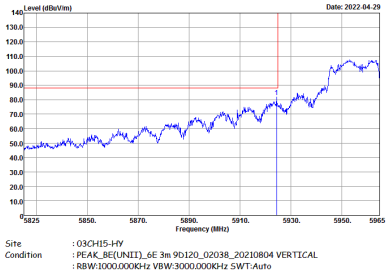
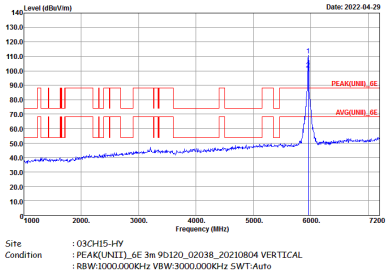
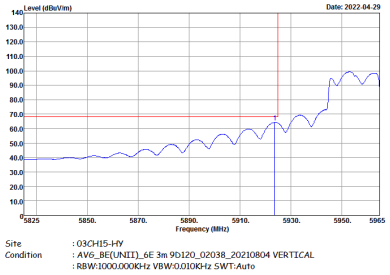
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH02 5935MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

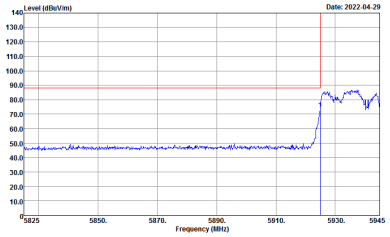
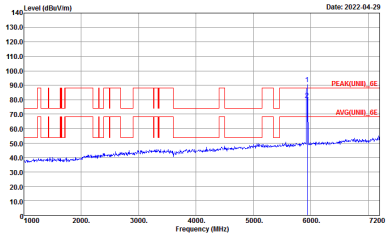
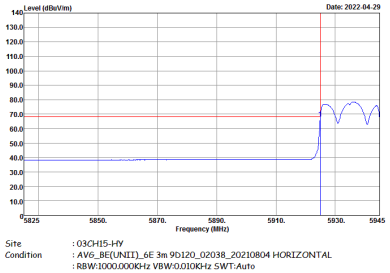
<SDM Mode>

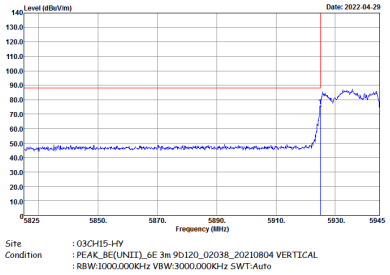
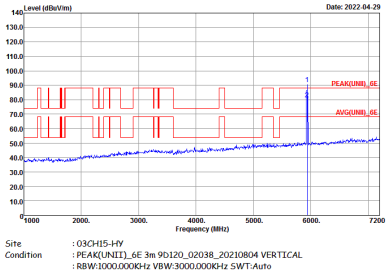
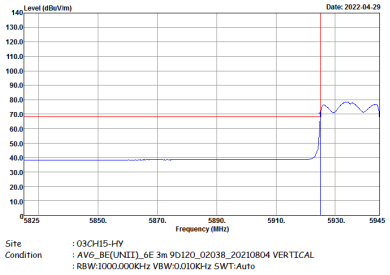
Band 5 5925~6425MHz

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

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

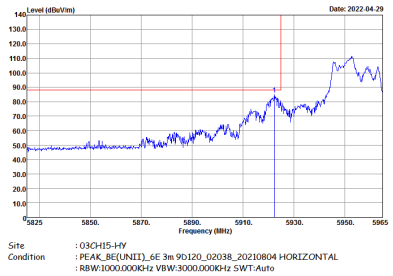
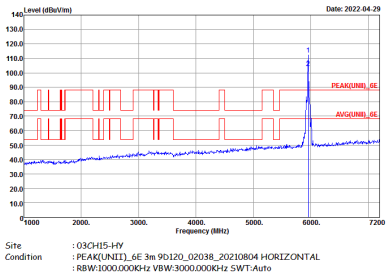
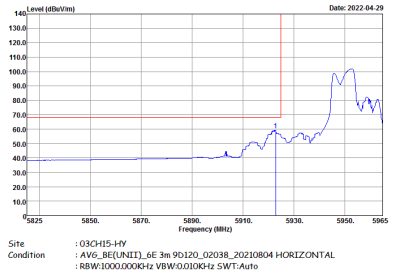
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH02 5935MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

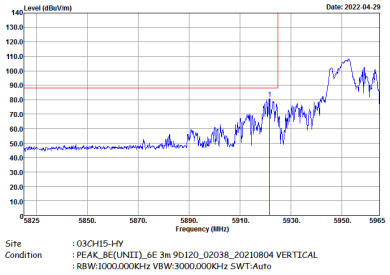
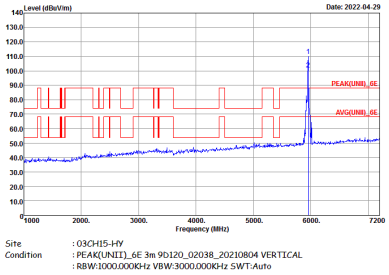
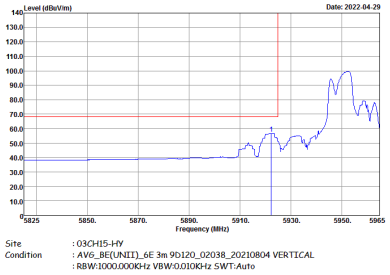
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH02 5935MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

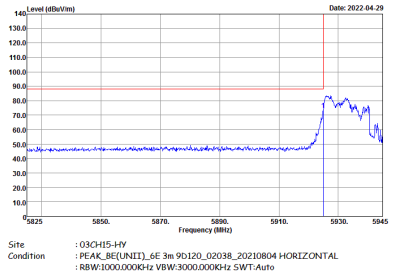
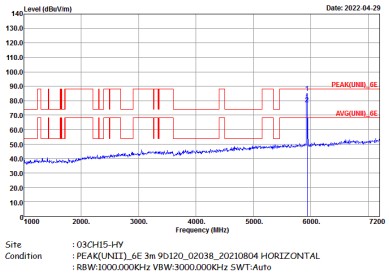
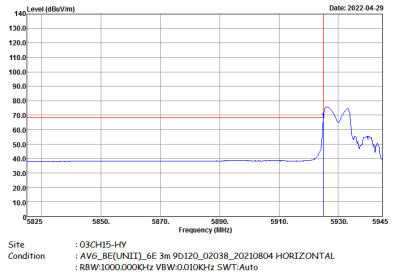
<SDM Mode>

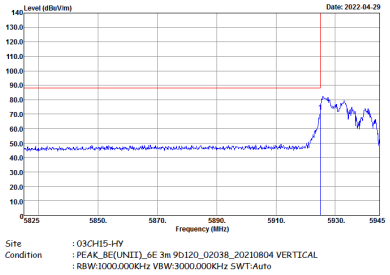
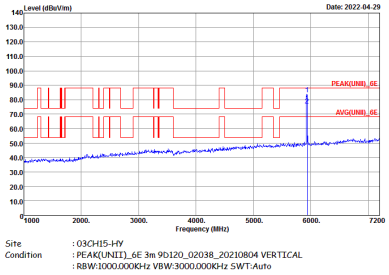
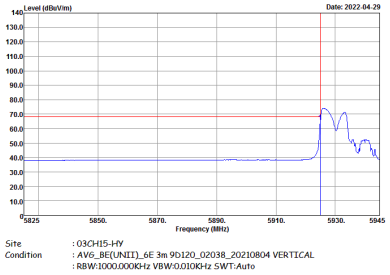
Band 5 5925~6425MHz

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

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH01 5955MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH01 5955MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

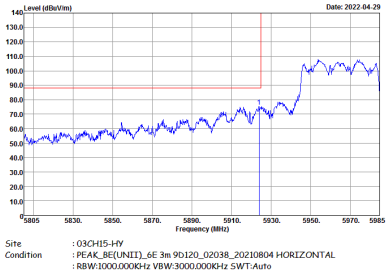
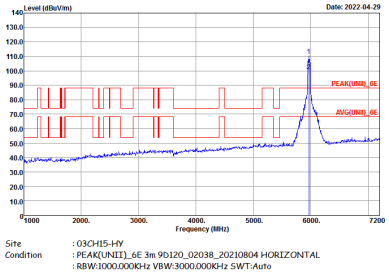
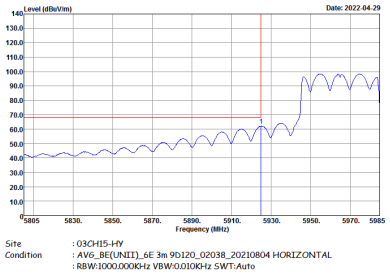
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH02 5935MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

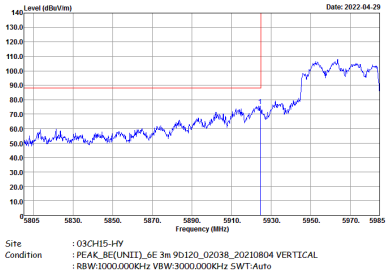
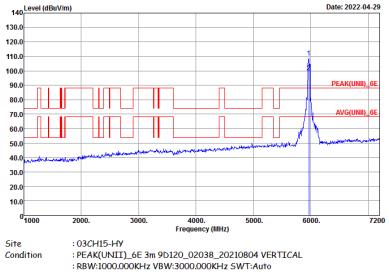
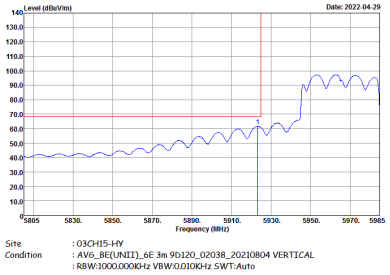
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH02 5935MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

<SDM Mode>

Band 5 5925~6425MHz

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

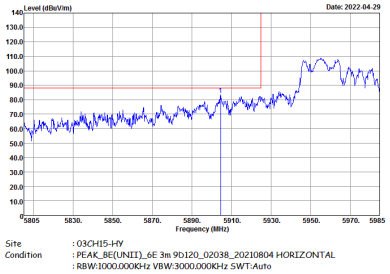
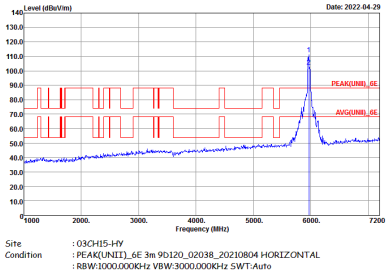
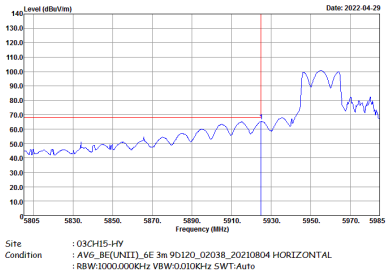
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

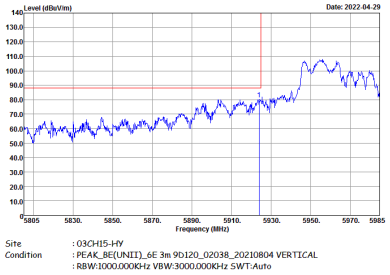
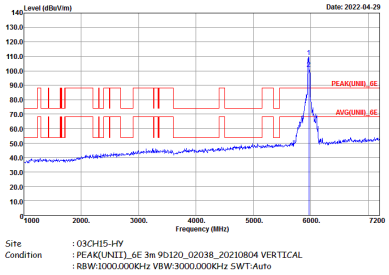
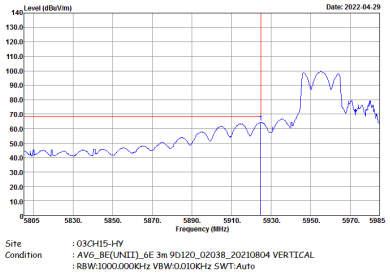
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

<SDM Mode>

Band 5 5925~6425MHz

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

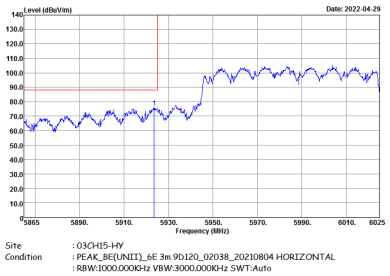
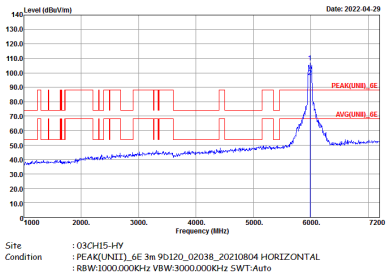
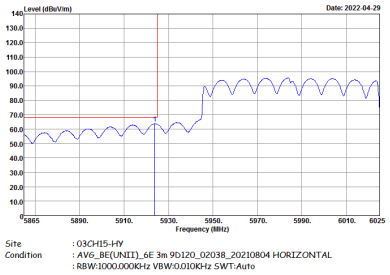
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 5965MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

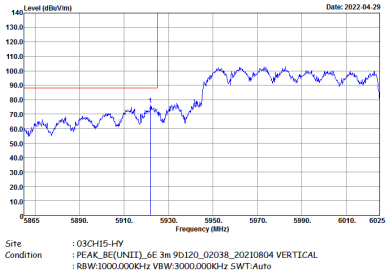
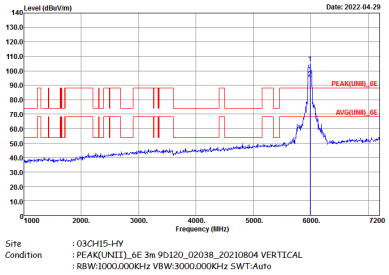
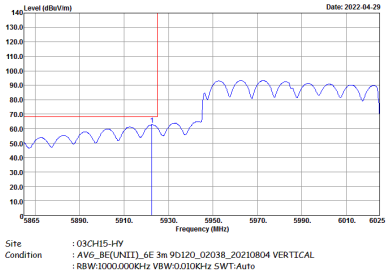
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 5965MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank

<SDM Mode>

Band 5 5925~6425MHz

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

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
9+8	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
9+8	Vertical	Fundamental
Peak		
Avg.		Left blank