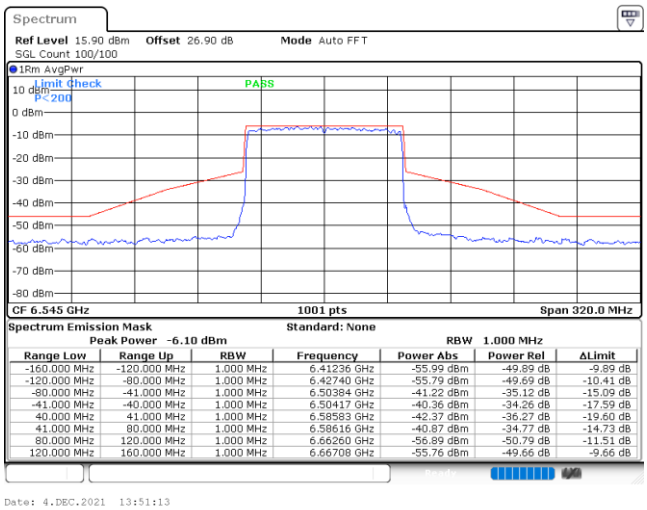
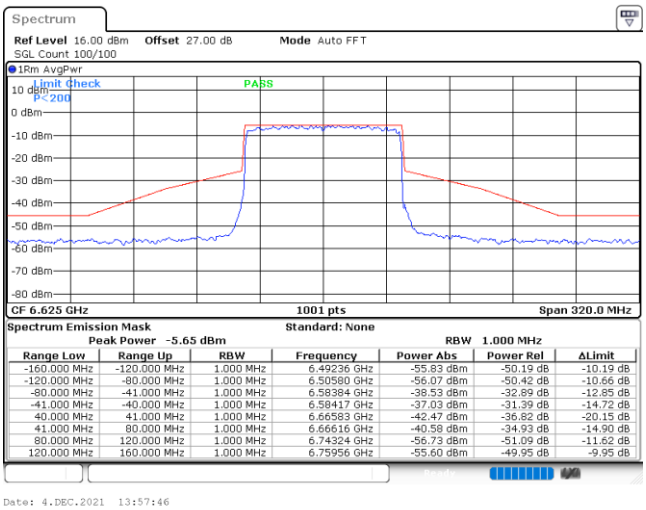
Plot on Channel 6545MHz



Date: 4.DEC.2021 13:51:13

Plot on Channel 6625MHz



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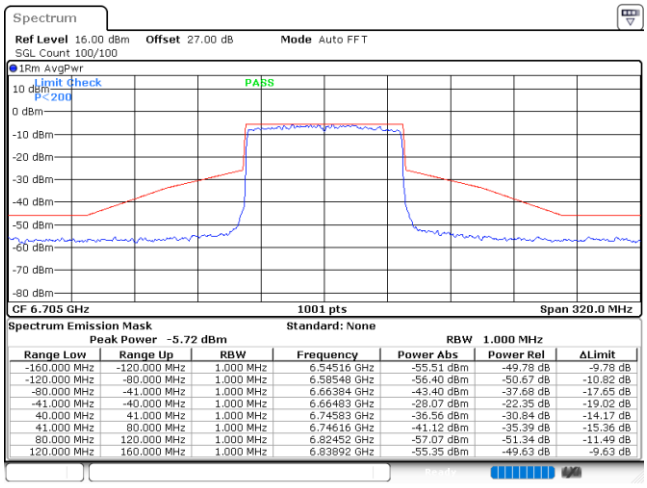
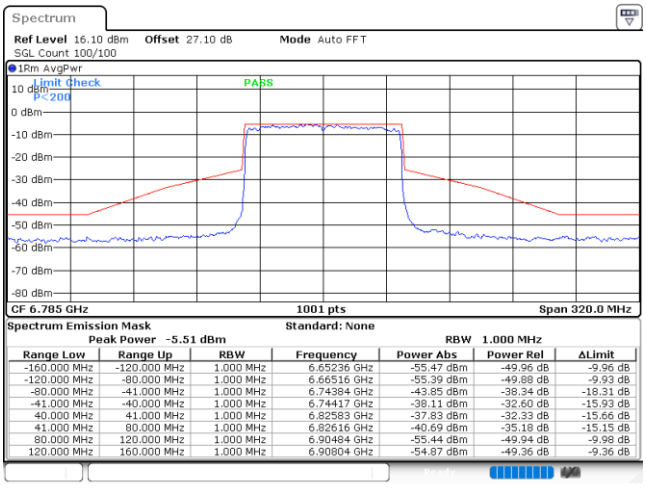
Plot on Channel 6705MHz



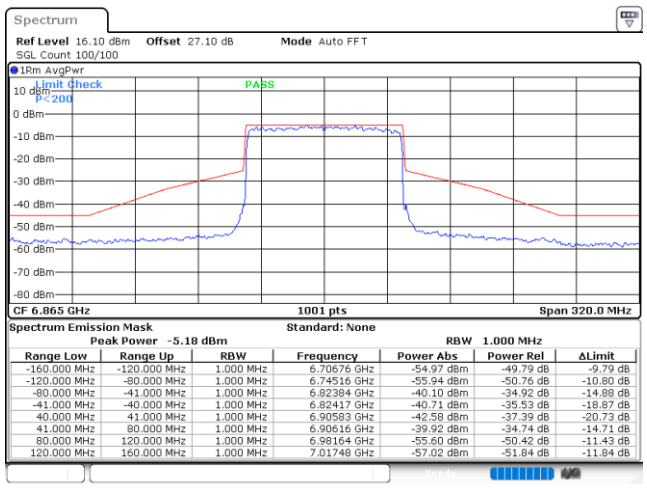
Date: 4.DEC.2021 14:02:19

Plot on Channel 6785MHz



Date: 4.DEC.2021 14:12:42

Plot on Channel 6865MHz



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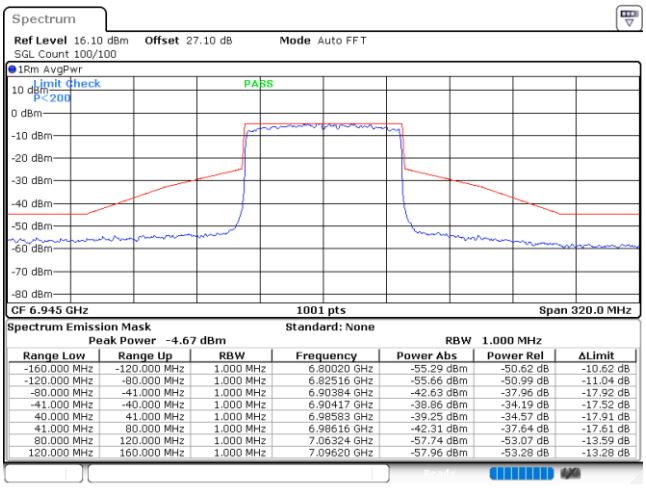
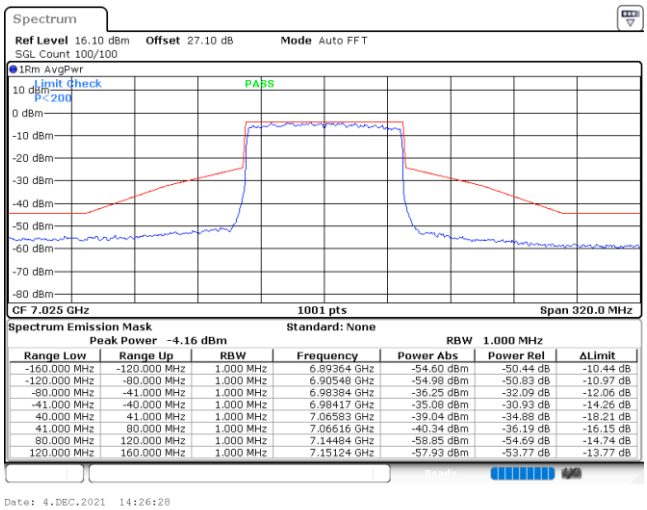
Plot on Channel 6945MHz



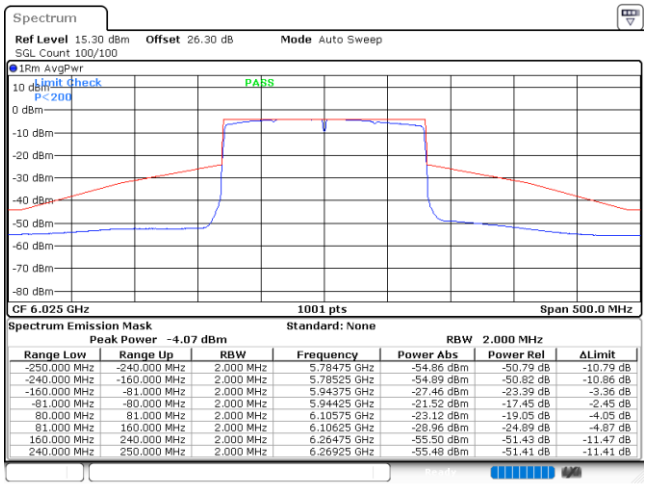
Date: 4.DEC.2021 14:21:50

Plot on Channel 7025MHz

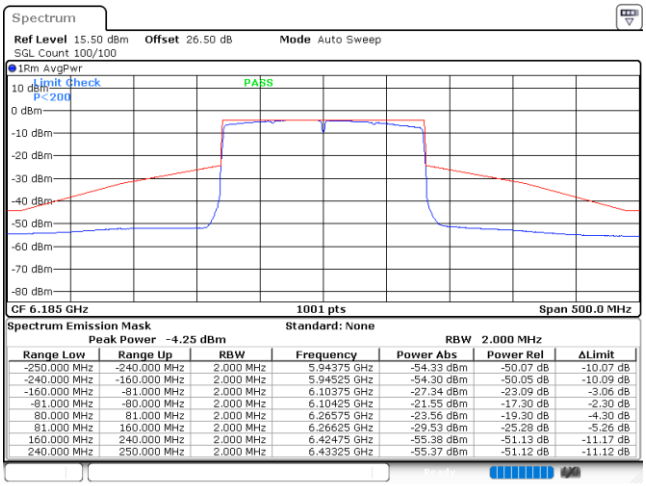


EUT Mode :	802.11ax HE160

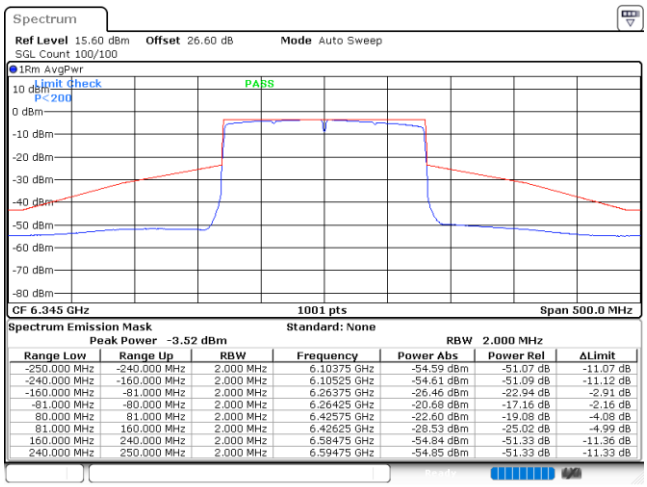
Plot on Channel 6025MHz



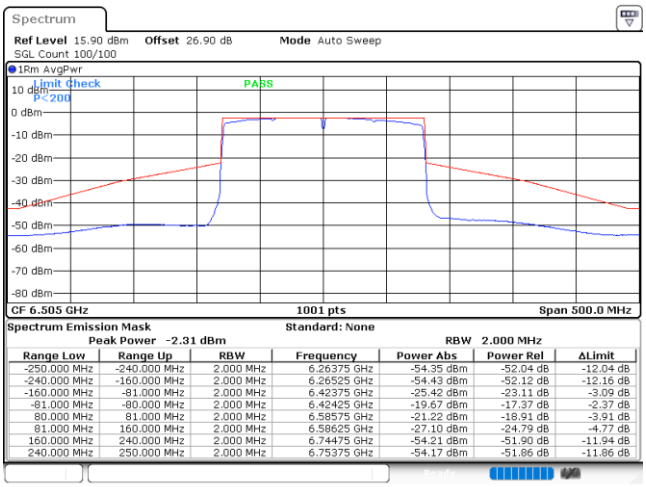
Plot on Channel 6185MHz



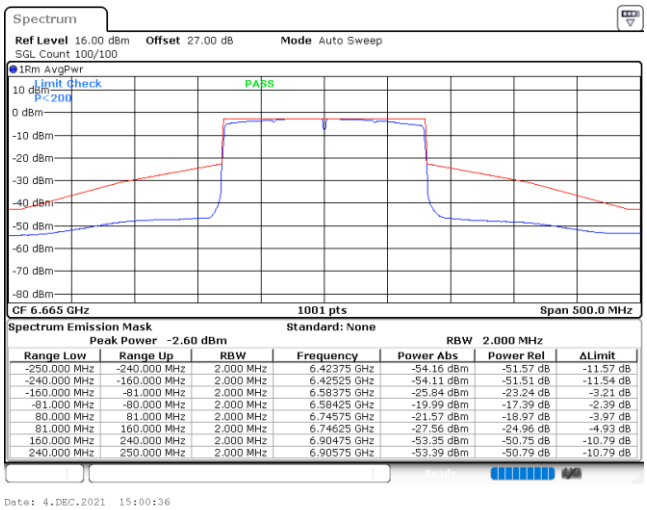
Plot on Channel 6345MHz



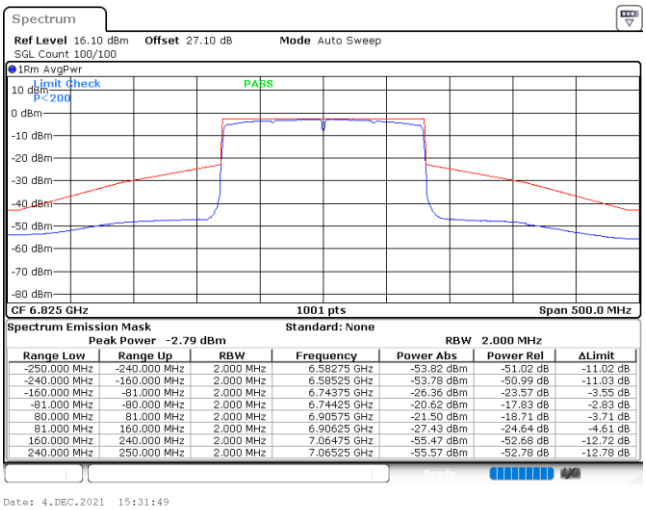
Plot on Channel 6505MHz



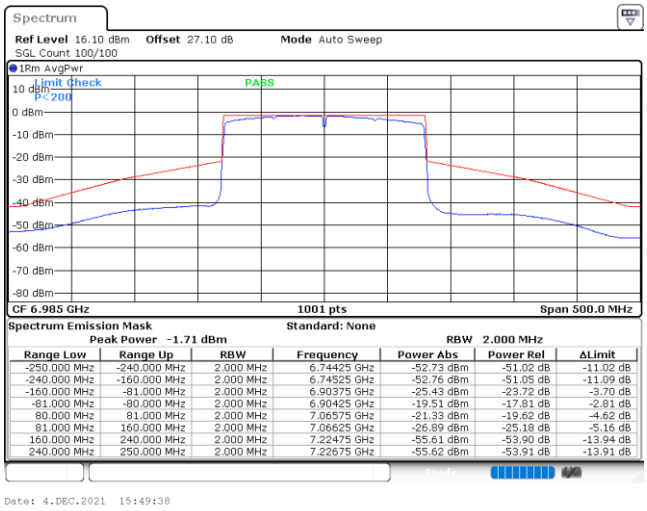
Plot on Channel 6665MHz



Plot on Channel 6825MHz



Plot on Channel 6985MHz



3.5 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

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

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

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

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

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

where:

$BWEUT$: Transmission bandwidth of EUT signal

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

$fc1$: Center frequency of EUT transmission

$fc2$: Center frequency of simulated incumbent signal

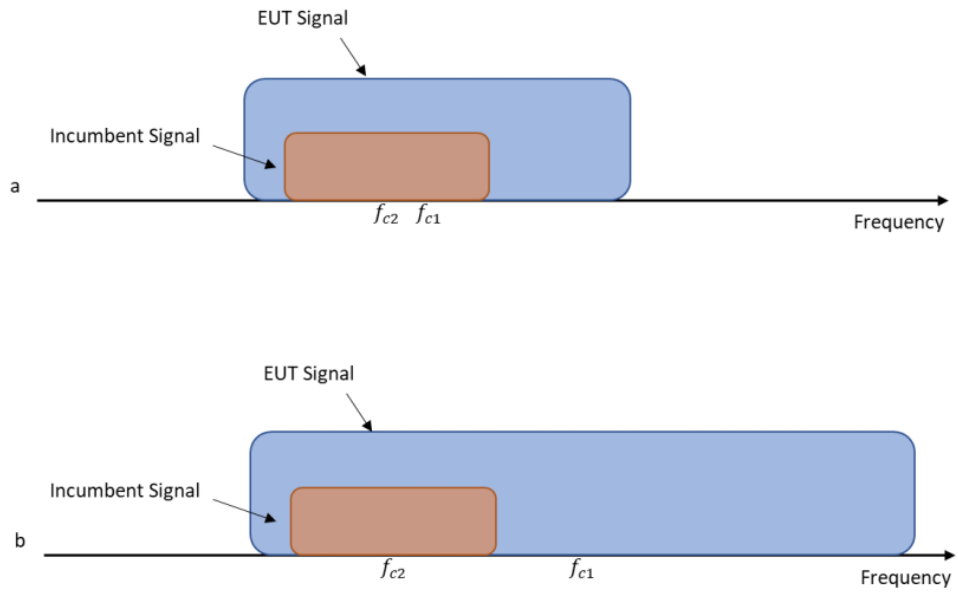


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

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

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

3.5.4 Test Setup

Conducted Setup

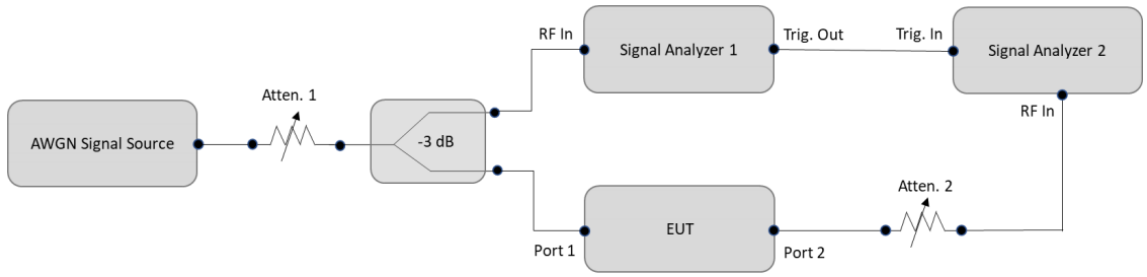


Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

3.5.5 Support Unit used in test configuration and system

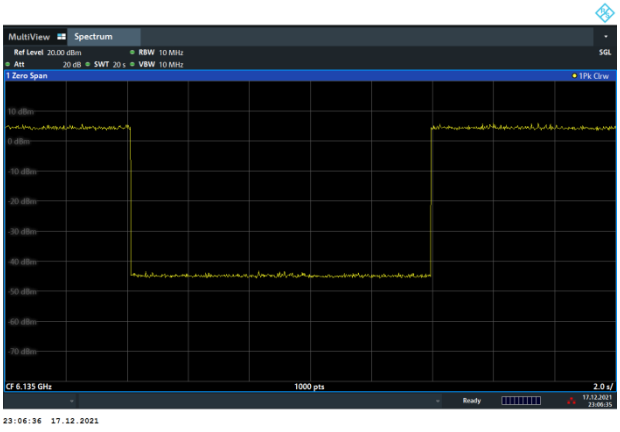
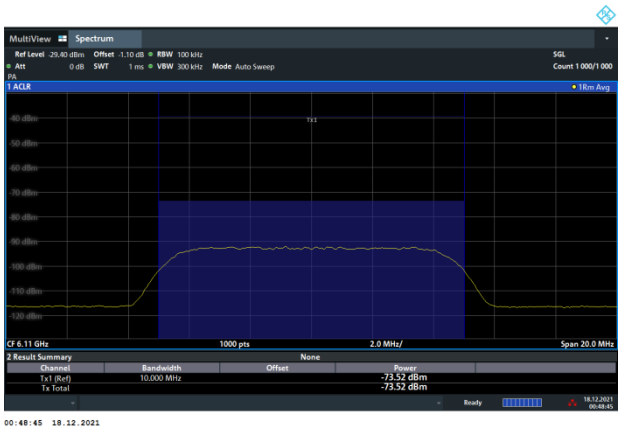
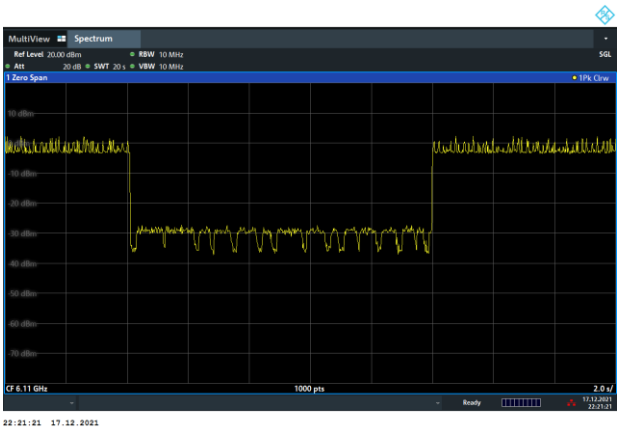
Instrument	Brand Name	Model No.	Characteristics
WLAN AP	ASUS	GT-AXE11000	Dual Band AP
Notebook	Acer	N15C1	LAN

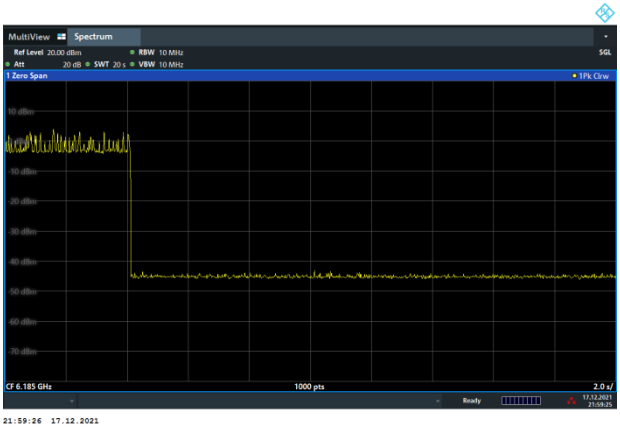
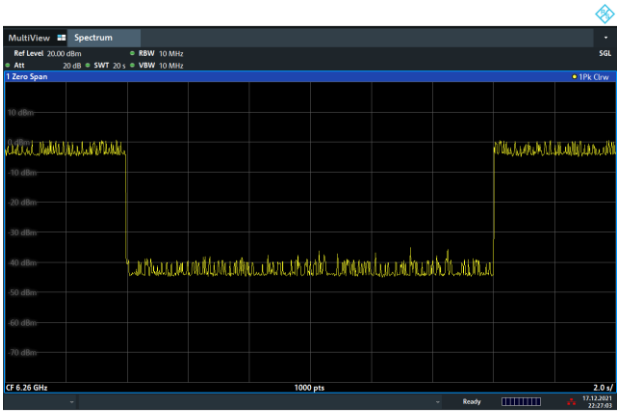
3.5.6 Test Summary of Contention Based Protocol Test

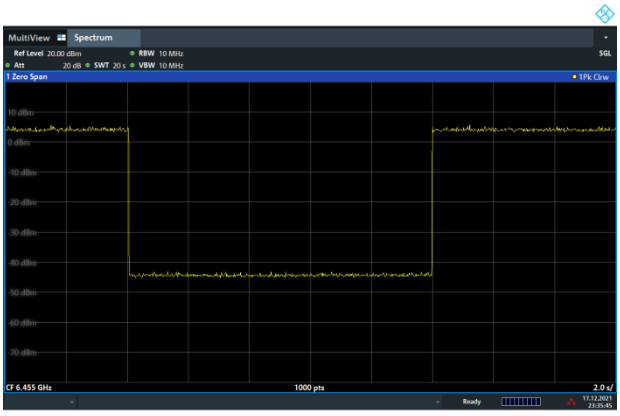
Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Measured Detection level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Margin (dB)
UNII Band 5	6135	20	6135	-68.65	100	-67	1.65
	6185	160	6110	-73.52	100	-67	6.52
			6185	-72.67	100	-67	5.67
			6260	-74.81	100	-67	7.81
UNII Band 6	6455	20	6455	-68.21	100	-67.7	0.51
	6505	160	6430	-72.95	100	-67.7	5.25
			6505	-70.43	100	-67.7	2.73
			6580	-74.24	100	-67.7	6.54
UNII Band 7	6695	20	6695	-68.12	100	-68	0.12
	6665	160	6590	-78.07	100	-68	10.07
			6665	-73.08	100	-68	5.08
			6740	-76.46	100	-68	8.46
UNII Band 8	7015	20	7015	-69.06	100	-68.8	0.26
	6985	160	6910	-75.18	100	-68.8	6.38
			6985	-70.07	100	-68.8	1.27
			7060	-75.03	100	-68.8	6.23

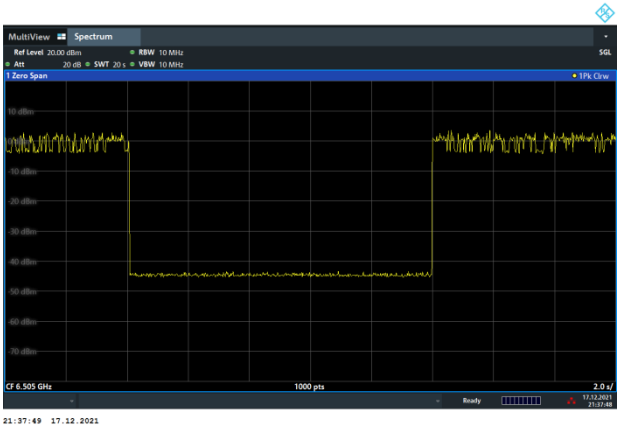
Note: Threshold Level (TL) = -62dBm + minimum antenna gain

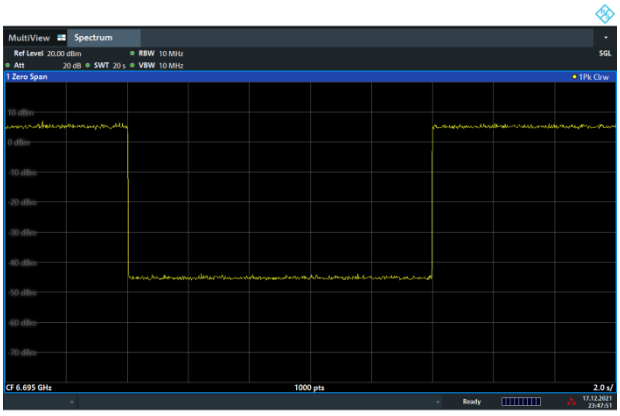
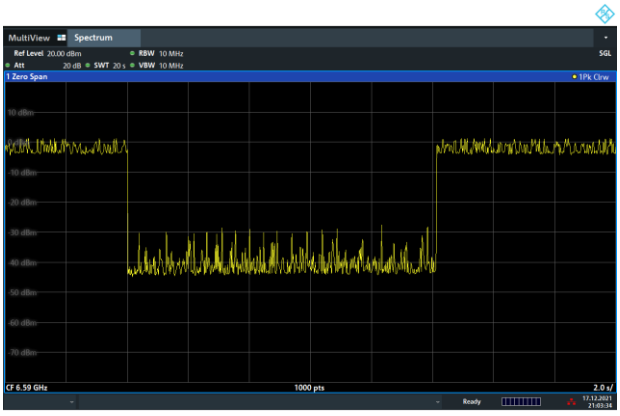
3.5.7 Test Plots of Contention Based Protocol Test

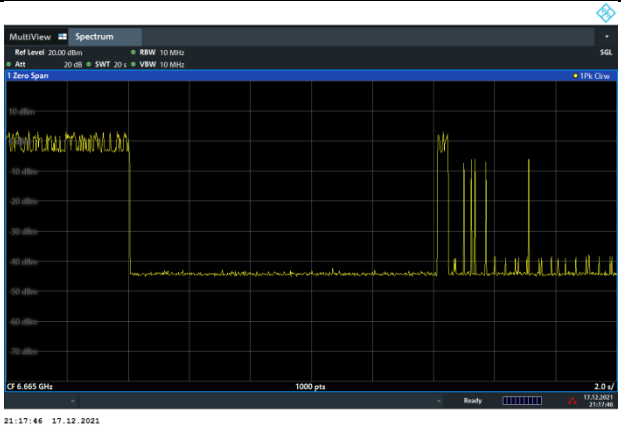
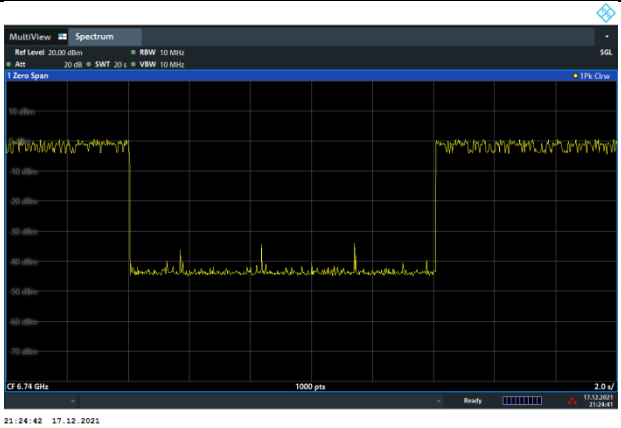
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -68.65dBm/MHz	802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6110MHz (Lower edge) Threshold Level (TL) = -73.52dBm/MHz	802.11ax (HE160) / CH47 (Lower edge) Test result is pass due to no transmission occur.
	

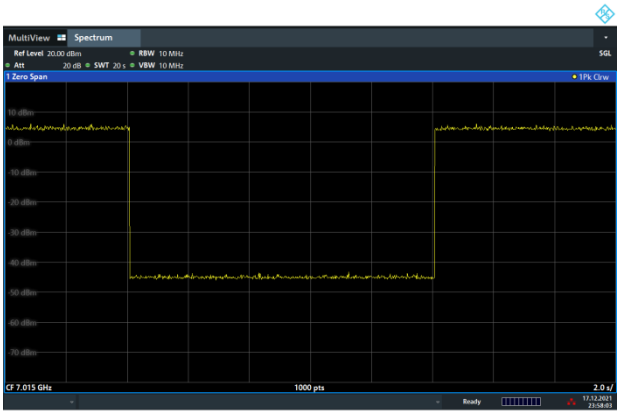
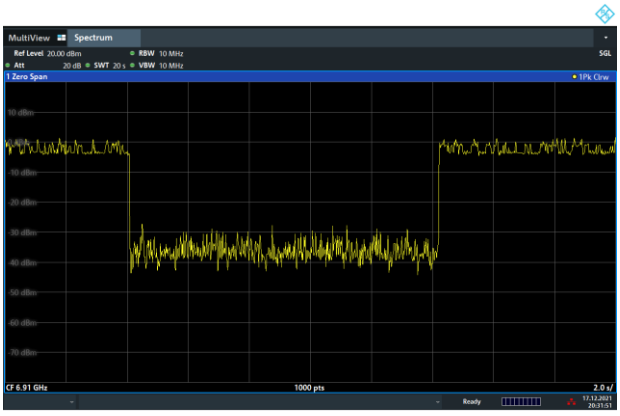
802.11ax (HE160) / 6185MHz (Middle) Threshold Level (TL) = -72.67dBm/MHz	802.11ax (HE160) / CH47 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6260MHz (Upper edge) Threshold Level (TL) = -74.81dBm/MHz	802.11ax (HE160) / CH47 (Upper edge) Test result is pass due to no transmission occur.
	

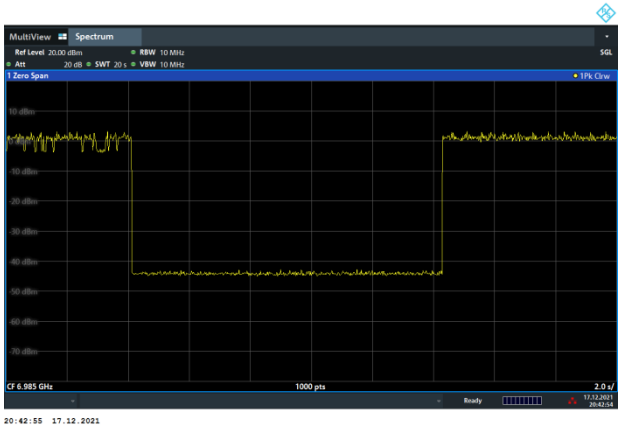
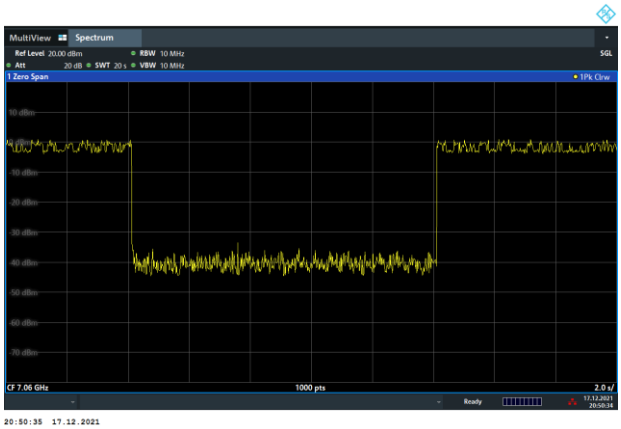
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE20) / 6455MHz Threshold Level (TL) = -68.21dBm/MHz	802.11ax (HE20) / CH101 Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6430MHz (Lower edge) Threshold Level (TL) = -72.95dBm/MHz	802.11ax (HE160) / CH111 (Lower edge) Test result is pass due to no transmission occur.
	

802.11ax (HE160) / 6505MHz (Middle) Threshold Level (TL) = -70.43dBm/MHz	802.11ax (HE160) / CH111 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6580MHz (Upper edge) Threshold Level (TL) = -74.24dBm/MHz	802.11ax (HE160) / CH111 (Upper edge) Test result is pass due to no transmission occur.
	

Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE20) / 6695MHz Threshold Level (TL) = -68.12dBm/MHz	802.11ax (HE20) / CH149 Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6590MHz (Lower edge) Threshold Level (TL) = -78.07dBm/MHz	802.11ax (HE160) / CH143 (Lower edge) Test result is pass due to no transmission occur.
	

802.11ax (HE160) / 6665MHz (Middle) Threshold Level (TL) = -73.08dBm/MHz	802.11ax (HE160) / CH143 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6740MHz (Upper edge) Threshold Level (TL) = -76.46dBm/MHz	802.11ax (HE160) / CH143 (Upper edge) Test result is pass due to no transmission occur.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE20) / 7015MHz Threshold Level (TL) = -69.06dBm/MHz	802.11ax (HE20) / CH213 Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 6910MHz (Lower edge) Threshold Level (TL) = -75.18dBm/MHz	802.11ax (HE160) / CH207 (Lower edge) Test result is pass due to no transmission occur.
	

802.11ax (HE160) / 6985MHz (Middle) Threshold Level (TL) = -70.07dBm/MHz	802.11ax (HE160) / CH207 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE160) / 7060MHz (Upper edge) Threshold Level (TL) = -75.03dBm/MHz	802.11ax (HE160) / CH207 (Upper edge) Test result is pass due to no transmission occur.
	

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.

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

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

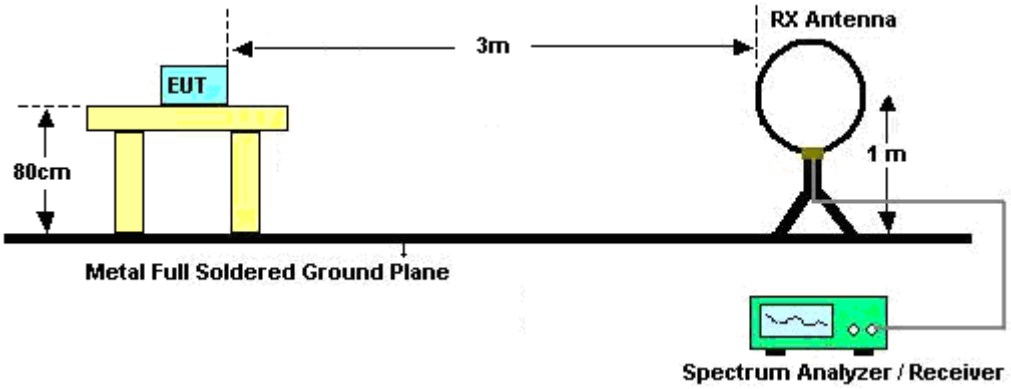
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

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

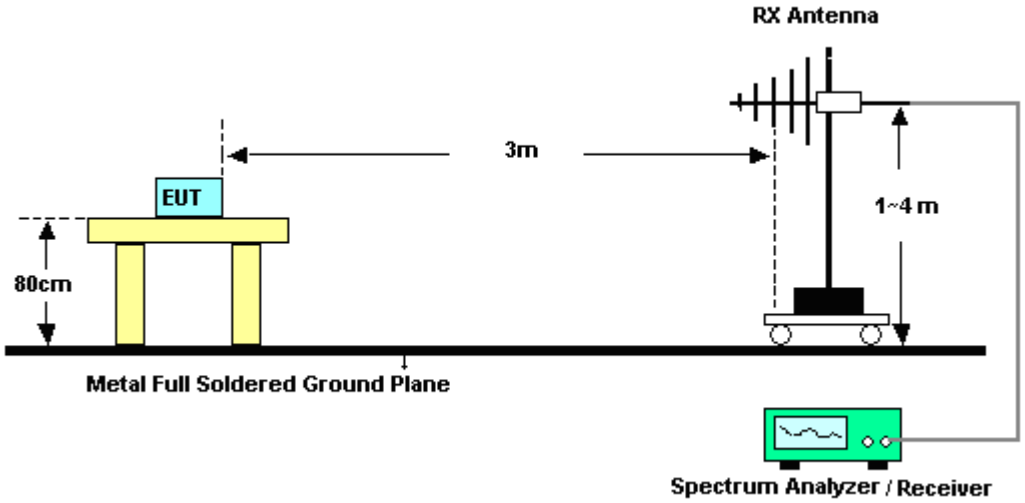
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with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

3.6.4 Test Setup

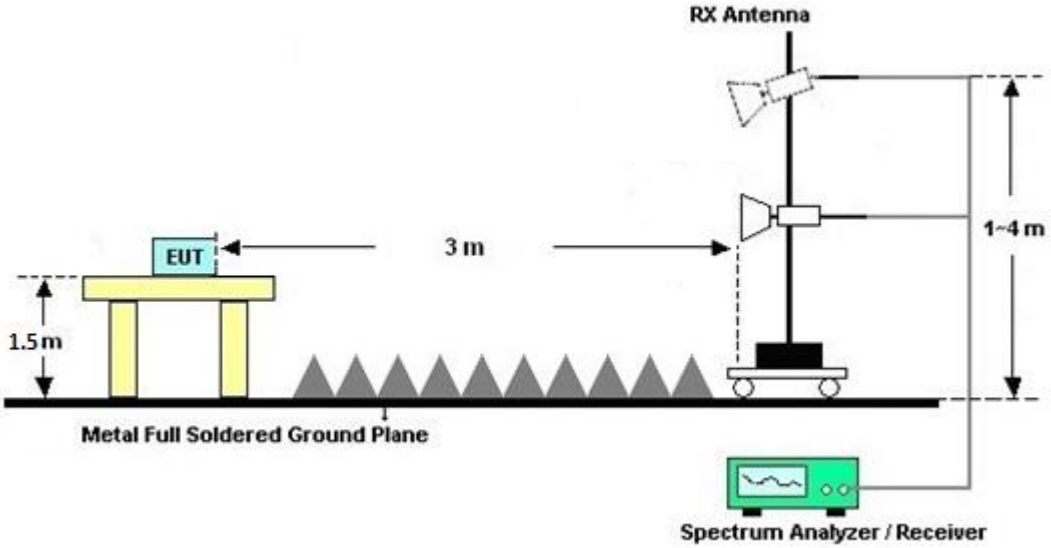
For radiated emissions below 30MHz



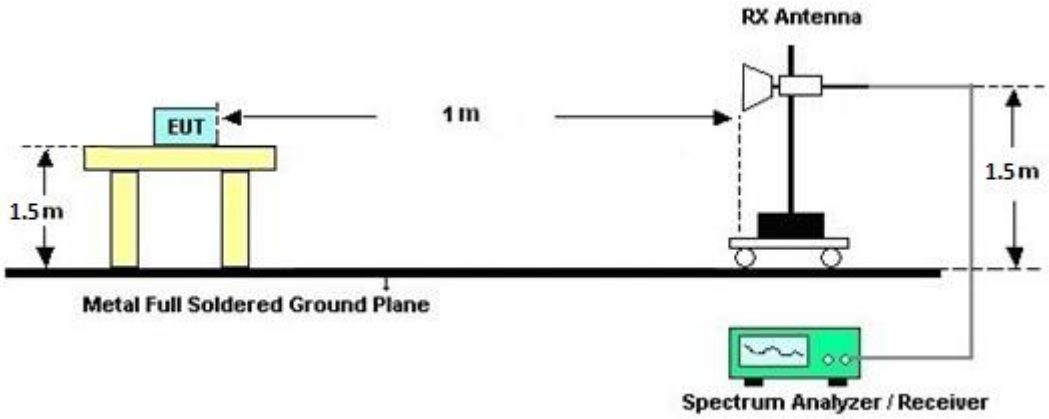
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.6.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

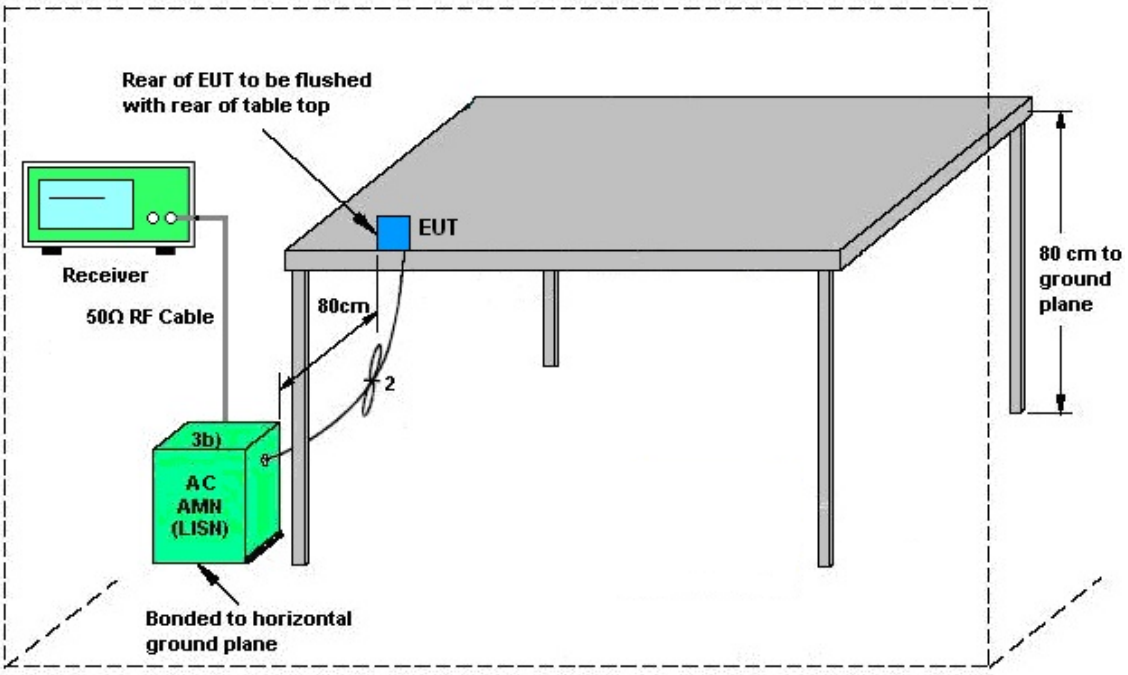
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

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

3.7.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.8 Antenna Requirements

3.8.1 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.2 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(N_{ANT}/N_{SS}=1) dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

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

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

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

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.

	Ant. 17 (dBi)	Ant. 18 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
5925 MHz ~ 6425 MHz	-0.40	-5.00	-0.40	0.61
6425 MHz ~ 6525 MHz	-1.60	-5.70	-1.60	-0.40
6525 MHz ~ 6875 MHz	-2.00	-6.00	-2.00	-0.76
6875 MHz ~ 7125 MHz	-2.90	-6.80	-2.90	-1.62

Calculation example:

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

10 x log { { [10^ (-0.4 dBi / 20) + 10^ (-5 dBi / 20)] ^ 2 } / 2 }

= 0.61 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receicver	Keysight	N9010B	MY60241055	10Hz~44GHz	Jul. 12, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jul. 11, 2022	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 04, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 15, 2021	Nov. 22, 2021~ Dec. 04, 2021	Nov. 14, 2022	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jun. 21, 2022	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 17, 2021	Nov. 22, 2021~ Dec. 04, 2021	Oct. 16, 2022	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jun. 22, 2022	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00991	18GHz-40GHz	May 12, 2021	Nov. 22, 2021~ Dec. 04, 2021	May 11, 2022	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 09, 2021	Nov. 22, 2021~ Dec. 04, 2021	Mar. 08, 2022	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804015/2,804027/2	N/A	Jan. 20, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jan. 19, 2022	Radiation (03CH20-HY)
1.53GHz Low Pass Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN27	N/A	May 25, 2021	Nov. 22, 2021~ Dec. 04, 2021	May 24, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN8	N/A	Mar. 26, 2021	Nov. 22, 2021~ Dec. 04, 2021	Mar. 25, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX8-6090-7000-18000-40SS	SN99	N/A	Nov. 04, 2021	Nov. 22, 2021~ Dec. 04, 2021	Nov. 03, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WRCQV14-5425-5825-6525-6925-60SS	SN2	N/A	Jan. 08, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jan. 07, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WRCQV14-6025-6425-7125-7525-60SS	SN1	N/A	Jan. 08, 2021	Nov. 22, 2021~ Dec. 04, 2021	Jan. 07, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHW2-7100-10000-18000-40CC	SN3	N/A	May 25, 2021	Nov. 22, 2021~ Dec. 04, 2021	May 24, 2022	Radiation (03CH20-HY)
Software	Audix	E3 6.2009-8-24	RK-002156	N/A	N/A	Nov. 22, 2021~ Dec. 04, 2021	N/A	Radiation (03CH20-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 22, 2021~ Dec. 04, 2021	N/A	Radiation (03CH20-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 22, 2021~ Dec. 04, 2021	N/A	Radiation (03CH20-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 22, 2021~ Dec. 04, 2021	N/A	Radiation (03CH20-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Nov. 24, 2021~ Dec. 06, 2021	Nov. 15, 2022	Conducted (TH05-HY)
USB Power Meter	Raditeg	RPR3006W #010	RPR6W-2101 002(NO:123)	10MHz~8GHz	Feb. 03, 2021	Nov. 24, 2021~ Dec. 06, 2021	Feb. 02, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Nov. 24, 2021~ Dec. 06, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Jan. 07, 2021	Nov. 24, 2021~ Dec. 06, 2021	Jan. 06, 2022	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 26, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Nov. 26, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP201973	N/A	Oct. 22, 2021	Nov. 26, 2021	Oct. 21, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Nov. 26, 2021	Nov. 30, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 26, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Nov. 26, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Nov. 26, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Jan. 11, 2021	Dec. 17, 2021~ Dec. 18, 2021	Jan. 10, 2022	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	Apr. 20, 2021	Dec. 17, 2021~ Dec. 18, 2021	Apr. 19, 2022	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A 1	0.5GHz-18GHz	Calibration from System	Dec. 17, 2021~ Dec. 18, 2021	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A 2	0.5GHz-18GHz	Calibration from System	Dec. 17, 2021~ Dec. 18, 2021	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A 1	0.5-18GHz	Calibration from System	Dec. 17, 2021~ Dec. 18, 2021	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	STI08-0010 (#2)	2GHz-8GHz	Calibration from System	Dec. 17, 2021~ Dec. 18, 2021	Calibration from System	CBP (DF02-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.9 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.7 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu	Temperature:	22.2~24.1	°C
Test Date:	2021/11/24-2021/12/6	Relative Humidity:	48.2~52.2	%

TEST RESULTS DATA
26dB and 99% OBW

Band V MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	5955	Full	19.03	19.08	21.90	22.05	320.00	Pass
HE20	MCS0	2	6175	Full	18.98	19.03	21.55	21.40	320.00	Pass
HE20	MCS0	2	6415	Full	19.03	19.03	21.75	21.70	320.00	Pass
HE40	MCS0	2	5965	Full	38.06	38.06	40.59	40.77	320.00	Pass
HE40	MCS0	2	6165	Full	38.06	38.06	40.86	40.05	320.00	Pass
HE40	MCS0	2	6405	Full	38.06	38.06	40.68	40.21	320.00	Pass
HE80	MCS0	2	5985	Full	77.32	77.32	83.84	82.40	320.00	Pass
HE80	MCS0	2	6145	Full	77.32	77.32	82.88	82.52	320.00	Pass
HE80	MCS0	2	6385	Full	77.32	77.32	83.36	83.04	320.00	Pass
HE160	MCS0	2	6025	Full	156.08	156.08	166.08	165.44	320.00	Pass
HE160	MCS0	2	6185	Full	156.32	155.84	165.76	165.44	320.00	Pass
HE160	MCS0	2	6345	Full	156.32	156.08	166.72	166.08	320.00	Pass

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TEST RESULTS DATA
EIRP Power Table

Band V MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	5955	Full	4.50	4.30	7.41	-0.40		7.01	24.00	Pass
HE20	MCS0	2	5955	26/0	-4.40	-5.20	-1.77	-0.40		-2.17	24.00	Pass
HE20	MCS0	2	5955	52/37	-1.50	-2.30	1.13	-0.40		0.73	24.00	Pass
HE20	MCS0	2	5955	106/53	1.40	1.20	4.31	-0.40		3.91	24.00	Pass
HE20	MCS0	2	6175	Full	6.10	4.60	8.42	-0.40		8.02	24.00	Pass
HE20	MCS0	2	6175	26/4	-2.10	-4.50	-0.13	-0.40		-0.53	24.00	Pass
HE20	MCS0	2	6175	52/39	0.00	-2.40	1.97	-0.40		1.57	24.00	Pass
HE20	MCS0	2	6175	106/53	2.10	2.10	5.11	-0.40		4.71	24.00	Pass
HE20	MCS0	2	6415	Full	4.20	5.00	7.63	-0.40		7.23	24.00	Pass
HE20	MCS0	2	6415	26/8	-4.90	-5.10	-1.99	-0.40		-2.39	24.00	Pass
HE20	MCS0	2	6415	52/40	-1.90	-2.10	1.01	-0.40		0.61	24.00	Pass
HE20	MCS0	2	6415	106/54	0.70	1.50	4.13	-0.40		3.73	24.00	Pass
HE40	MCS0	2	5965	Full	8.20	7.80	11.01	-0.40		10.61	24.00	Pass
HE40	MCS0	2	6165	Full	8.00	8.60	11.32	-0.40		10.92	24.00	Pass
HE40	MCS0	2	6405	Full	7.70	8.30	11.02	-0.40		10.62	24.00	Pass
HE80	MCS0	2	5985	Full	11.20	10.80	14.01	-0.40		13.61	24.00	Pass
HE80	MCS0	2	6145	Full	10.50	11.00	13.77	-0.40		13.37	24.00	Pass
HE80	MCS0	2	6385	Full	10.10	11.70	13.98	-0.40		13.58	24.00	Pass
HE160	MCS0	2	6025	Full	14.20	13.90	17.06	-0.40		16.66	24.00	Pass
HE160	MCS0	2	6185	Full	13.60	13.50	16.56	-0.40		16.16	24.00	Pass
HE160	MCS0	2	6345	Full	12.90	14.30	16.67	-0.40		16.27	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

Band V MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	5955	Full			-3.45	0.61		-2.84	-1.00	Pass
HE20	MCS0	2	5955	26/0			-3.71	0.61		-3.10	-1.00	Pass
HE20	MCS0	2	5955	52/37			-3.70	0.61		-3.08	-1.00	Pass
HE20	MCS0	2	5955	106/53			-3.54	0.61		-2.93	-1.00	Pass
HE20	MCS0	2	6175	Full			-2.48	0.61		-1.87	-1.00	Pass
HE20	MCS0	2	6175	26/4			-2.81	0.61		-2.20	-1.00	Pass
HE20	MCS0	2	6175	52/39			-2.65	0.61		-2.04	-1.00	Pass
HE20	MCS0	2	6175	106/53			-2.53	0.61		-1.92	-1.00	Pass
HE20	MCS0	2	6415	Full			-3.15	0.61		-2.54	-1.00	Pass
HE20	MCS0	2	6415	26/8			-3.48	0.61		-2.86	-1.00	Pass
HE20	MCS0	2	6415	52/40			-3.44	0.61		-2.83	-1.00	Pass
HE20	MCS0	2	6415	106/54			-3.44	0.61		-2.83	-1.00	Pass
HE40	MCS0	2	5965	Full			-2.50	0.61		-1.89	-1.00	Pass
HE40	MCS0	2	6165	Full			-2.19	0.61		-1.57	-1.00	Pass
HE40	MCS0	2	6405	Full			-2.54	0.61		-1.92	-1.00	Pass
HE80	MCS0	2	5985	Full			-2.17	0.61		-1.56	-1.00	Pass
HE80	MCS0	2	6145	Full			-2.53	0.61		-1.92	-1.00	Pass
HE80	MCS0	2	6385	Full			-2.25	0.61		-1.64	-1.00	Pass
HE160	MCS0	2	6025	Full			-2.12	0.61		-1.51	-1.00	Pass
HE160	MCS0	2	6185	Full			-2.54	0.61		-1.93	-1.00	Pass
HE160	MCS0	2	6345	Full			-2.39	0.61		-1.77	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band VI MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	6435	Full	18.98	18.98	21.65	21.49	320.00	Pass
HE20	MCS0	2	6475	Full	18.98	18.98	21.75	21.74	320.00	Pass
HE20	MCS0	2	6515	Full	18.98	19.03	21.40	21.75	320.00	Pass
HE40	MCS0	2	6445	Full	37.96	38.06	40.68	40.23	320.00	Pass
HE40	MCS0	2	6485	Full	38.06	38.06	40.50	40.23	320.00	Pass
HE80	MCS0	2	6465	Full	77.32	77.32	83.04	82.56	320.00	Pass

Band VI straddle channel MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 17	Ant 18	Ant 17	Ant 18		
HE40	MCS0	2	6525	Full	38.06	38.06	40.77	40.41	320.00	Pass
HE80	MCS0	2	6545	Full	77.32	77.20	83.20	83.04	320.00	Pass

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TEST RESULTS DATA
EIRP Power Table

Band VI MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6435	Full	4.80	6.70	8.86	-1.60		7.26	24.00	Pass
HE20	MCS0	2	6435	26/0	-3.40	-2.40	0.14	-1.60		-1.46	24.00	Pass
HE20	MCS0	2	6435	52/37	-1.00	-0.10	2.48	-1.60		0.88	24.00	Pass
HE20	MCS0	2	6435	106/53	0.90	2.90	5.02	-1.60		3.42	24.00	Pass
HE20	MCS0	2	6475	Full	5.70	7.00	9.41	-1.60		7.81	24.00	Pass
HE20	MCS0	2	6475	26/4	-2.00	-2.40	0.81	-1.60		-0.79	24.00	Pass
HE20	MCS0	2	6475	52/39	-0.90	-0.30	2.42	-1.60		0.82	24.00	Pass
HE20	MCS0	2	6475	106/54	2.00	3.10	5.60	-1.60		4.00	24.00	Pass
HE20	MCS0	2	6515	Full	5.40	6.60	9.05	-1.60		7.45	24.00	Pass
HE20	MCS0	2	6515	26/8	-3.70	-3.10	-0.38	-1.60		-1.98	24.00	Pass
HE20	MCS0	2	6515	52/40	-0.80	-0.10	2.57	-1.60		0.97	24.00	Pass
HE20	MCS0	2	6515	106/54	1.90	3.30	5.67	-1.60		4.07	24.00	Pass
HE40	MCS0	2	6445	Full	8.70	9.60	12.18	-1.60		10.58	24.00	Pass
HE40	MCS0	2	6485	Full	8.20	8.90	11.57	-1.60		9.97	24.00	Pass
HE80	MCS0	2	6465	Full	11.60	12.50	15.08	-1.60		13.48	24.00	Pass

Band VI straddle channel MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE40	MCS0	2	6525	Full	8.50	9.30	11.93	-1.60		10.33	24.00	Pass
HE80	MCS0	2	6545	Full	12.00	11.60	14.81	-1.60		13.21	24.00	Pass

Report Number : FR1N0901I

TEST RESULTS DATA
EIRP Power Spectral Density

Band VI MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6435	Full			-1.54	-0.40		-1.94	-1.00	Pass
HE20	MCS0	2	6435	26/0			-1.63	-0.40		-2.03	-1.00	Pass
HE20	MCS0	2	6435	52/37			-1.99	-0.40		-2.39	-1.00	Pass
HE20	MCS0	2	6435	106/53			-1.81	-0.40		-2.21	-1.00	Pass
HE20	MCS0	2	6475	Full			-1.41	-0.40		-1.81	-1.00	Pass
HE20	MCS0	2	6475	26/4			-1.87	-0.40		-2.27	-1.00	Pass
HE20	MCS0	2	6475	52/39			-1.78	-0.40		-2.18	-1.00	Pass
HE20	MCS0	2	6475	106/54			-1.69	-0.40		-2.09	-1.00	Pass
HE20	MCS0	2	6515	Full			-1.55	-0.40		-1.95	-1.00	Pass
HE20	MCS0	2	6515	26/8			-1.56	-0.40		-1.96	-1.00	Pass
HE20	MCS0	2	6515	52/40			-1.66	-0.40		-2.05	-1.00	Pass
HE20	MCS0	2	6515	106/54			-1.57	-0.40		-1.97	-1.00	Pass
HE40	MCS0	2	6445	Full			-1.14	-0.40		-1.54	-1.00	Pass
HE40	MCS0	2	6485	Full			-1.49	-0.40		-1.88	-1.00	Pass
HE80	MCS0	2	6465	Full			-1.14	-0.40		-1.54	-1.00	Pass

Band VI straddle channel MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE40	MCS0	2	6525	Full			-1.31	-0.40		-1.71	-1.00	Pass
HE80	MCS0	2	6545	Full			-1.43	-0.40		-1.83	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band VII MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	6535	Full	18.98	18.98	21.75	21.70	320.00	Pass
HE20	MCS0	2	6695	Full	18.98	19.03	21.45	21.75	320.00	Pass
HE20	MCS0	2	6855	Full	18.98	18.98	21.20	21.65	320.00	Pass
HE40	MCS0	2	6565	Full	38.06	38.06	40.50	40.32	320.00	Pass
HE40	MCS0	2	6685	Full	38.06	38.06	41.04	40.68	320.00	Pass
HE40	MCS0	2	6845	Full	38.06	38.06	40.66	40.23	320.00	Pass
HE80	MCS0	2	6625	Full	77.32	77.32	83.20	82.88	320.00	Pass
HE80	MCS0	2	6705	Full	77.32	77.32	83.04	82.24	320.00	Pass
HE80	MCS0	2	6785	Full	77.32	77.32	82.68	82.88	320.00	Pass
HE160	MCS0	2	6665	Full	156.32	156.08	165.76	166.08	320.00	Pass

Band VII straddle channel MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	6875	Full	18.98	19.03	21.50	21.70	320.00	Pass
HE80	MCS0	2	6865	Full	77.44	77.32	83.04	82.72	320.00	Pass
HE160	MCS0	2	6505	Full	156.32	156.08	166.72	165.76	320.00	Pass
HE160	MCS0	2	6825	Full	156.32	156.08	166.40	166.40	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

Band VII MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6535	Full	6.10	6.70	9.42	-2.00		7.42	24.00	Pass
HE20	MCS0	2	6535	26/0	-2.60	-2.90	0.26	-2.00		-1.74	24.00	Pass
HE20	MCS0	2	6535	52/37	-0.20	-0.50	2.66	-2.00		0.66	24.00	Pass
HE20	MCS0	2	6535	106/53	2.70	3.50	6.13	-2.00		4.13	24.00	Pass
HE20	MCS0	2	6695	Full	7.00	7.10	10.06	-2.00		8.06	24.00	Pass
HE20	MCS0	2	6695	26/4	-1.50	-3.50	0.62	-2.00		-1.38	24.00	Pass
HE20	MCS0	2	6695	52/38	0.90	-1.00	3.06	-2.00		1.06	24.00	Pass
HE20	MCS0	2	6695	106/53	3.50	1.80	5.74	-2.00		3.74	24.00	Pass
HE20	MCS0	2	6855	Full	7.20	6.40	9.83	-2.00		7.83	24.00	Pass
HE20	MCS0	2	6855	26/8	-2.20	-4.30	-0.11	-2.00		-2.11	24.00	Pass
HE20	MCS0	2	6855	52/40	0.90	-1.10	3.02	-2.00		1.02	24.00	Pass
HE20	MCS0	2	6855	106/54	3.90	2.40	6.22	-2.00		4.22	24.00	Pass
HE40	MCS0	2	6565	Full	9.30	9.30	12.31	-2.00		10.31	24.00	Pass
HE40	MCS0	2	6685	Full	9.90	8.90	12.44	-2.00		10.44	24.00	Pass
HE40	MCS0	2	6845	Full	9.80	9.00	12.43	-2.00		10.43	24.00	Pass
HE80	MCS0	2	6625	Full	12.20	12.10	15.16	-2.00		13.16	24.00	Pass
HE80	MCS0	2	6705	Full	12.50	12.10	15.31	-2.00		13.31	24.00	Pass
HE80	MCS0	2	6785	Full	12.40	12.10	15.26	-2.00		13.26	24.00	Pass
HE160	MCS0	2	6665	Full	14.70	15.30	18.02	-2.00		16.02	24.00	Pass

Band VII straddle channel MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6875	Full	7.20	6.10	9.70	-2.00		7.70	24.00	Pass
HE20	MCS0	2	6875	26/8	-2.20	-4.10	-0.04	-2.00		-2.04	24.00	Pass
HE20	MCS0	2	6875	52/40	1.00	-1.00	3.12	-2.00		1.12	24.00	Pass
HE20	MCS0	2	6875	106/54	3.50	2.40	6.00	-2.00		4.00	24.00	Pass
HE80	MCS0	2	6865	Full	13.20	12.30	15.78	-2.00		13.78	24.00	Pass
HE160	MCS0	2	6505	Full	15.10	15.60	18.37	-2.00		16.37	24.00	Pass
HE160	MCS0	2	6825	Full	15.70	15.00	18.37	-2.00		16.37	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

Band VII MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6535	Full			-1.16	-0.76		-1.92	-1.00	Pass
HE20	MCS0	2	6535	26/0			-1.19	-0.76		-1.95	-1.00	Pass
HE20	MCS0	2	6535	52/37			-1.64	-0.76		-2.40	-1.00	Pass
HE20	MCS0	2	6535	106/53			-1.25	-0.76		-2.01	-1.00	Pass
HE20	MCS0	2	6695	Full			-1.15	-0.76		-1.91	-1.00	Pass
HE20	MCS0	2	6695	26/4			-1.50	-0.76		-2.26	-1.00	Pass
HE20	MCS0	2	6695	52/38			-1.18	-0.76		-1.94	-1.00	Pass
HE20	MCS0	2	6695	106/53			-1.39	-0.76		-2.15	-1.00	Pass
HE20	MCS0	2	6855	Full			-1.12	-0.76		-1.88	-1.00	Pass
HE20	MCS0	2	6855	26/8			-1.57	-0.76		-2.33	-1.00	Pass
HE20	MCS0	2	6855	52/40			-1.29	-0.76		-2.05	-1.00	Pass
HE20	MCS0	2	6855	106/54			-1.29	-0.76		-2.06	-1.00	Pass
HE40	MCS0	2	6565	Full			-1.05	-0.76		-1.81	-1.00	Pass
HE40	MCS0	2	6685	Full			-0.90	-0.76		-1.66	-1.00	Pass
HE40	MCS0	2	6845	Full			-0.81	-0.76		-1.57	-1.00	Pass
HE80	MCS0	2	6625	Full			-1.00	-0.76		-1.77	-1.00	Pass
HE80	MCS0	2	6705	Full			-0.96	-0.76		-1.72	-1.00	Pass
HE80	MCS0	2	6785	Full			-1.06	-0.76		-1.82	-1.00	Pass
HE160	MCS0	2	6665	Full			-1.18	-0.76		-1.94	-1.00	Pass

Band VII straddle channel MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6875	Full			-1.15	-0.76		-1.92	-1.00	Pass
HE20	MCS0	2	6875	26/8			-1.59	-0.76		-2.35	-1.00	Pass
HE20	MCS0	2	6875	52/40			-1.29	-0.76		-2.05	-1.00	Pass
HE20	MCS0	2	6875	106/54			-1.45	-0.76		-2.21	-1.00	Pass
HE80	MCS0	2	6865	Full			-0.81	-0.76		-1.57	-1.00	Pass
HE160	MCS0	2	6505	Full			-0.81	-0.76		-1.57	-1.00	Pass
HE160	MCS0	2	6825	Full			-0.91	-0.76		-1.67	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

Band VIII MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	6895	Full	19.03	19.03	21.65	21.35	320.00	Pass
HE20	MCS0	2	6995	Full	18.98	18.98	21.55	21.50	320.00	Pass
HE20	MCS0	2	7115	Full	18.93	18.88	21.48	21.48	320.00	Pass
HE40	MCS0	2	6925	Full	37.96	38.06	40.23	40.32	320.00	Pass
HE40	MCS0	2	6965	Full	37.96	37.96	40.32	40.68	320.00	Pass
HE40	MCS0	2	7085	Full	37.96	38.16	40.50	40.23	320.00	Pass
HE80	MCS0	2	6945	Full	77.32	77.20	83.36	83.20	320.00	Pass
HE80	MCS0	2	7025	Full	77.32	77.08	82.72	83.20	320.00	Pass
HE160	MCS0	2	6985	Full	155.84	155.84	166.00	165.12	320.00	Pass

Band VIII straddle channel MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 17	Ant 18	Ant 17	Ant 18		
HE40	MCS0	2	6885	Full	37.96	38.06	40.66	40.41	320.00	Pass

Report Number : FR1N0901I

TEST RESULTS DATA
EIRP Power Table

Band VIII MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6895	Full	8.30	7.60	10.97	-2.90		8.07	24.00	Pass
HE20	MCS0	2	6895	26/0	-1.10	-3.10	1.02	-2.90		-1.88	24.00	Pass
HE20	MCS0	2	6895	52/37	2.00	-0.10	4.09	-2.90		1.19	24.00	Pass
HE20	MCS0	2	6895	106/53	4.30	3.50	6.93	-2.90		4.03	24.00	Pass
HE20	MCS0	2	6995	Full	7.50	8.10	10.82	-2.90		7.92	24.00	Pass
HE20	MCS0	2	6995	26/4	-0.10	-1.60	2.22	-2.90		-0.68	24.00	Pass
HE20	MCS0	2	6995	52/38	1.60	0.30	4.01	-2.90		1.11	24.00	Pass
HE20	MCS0	2	6995	106/53	4.10	3.60	6.87	-2.90		3.97	24.00	Pass
HE20	MCS0	2	7115	Full	-1.60	-3.60	0.52	-2.90		-2.38	24.00	Pass
HE20	MCS0	2	7115	26/8	-11.30	-13.30	-9.18	-2.90		-12.08	24.00	Pass
HE20	MCS0	2	7115	52/40	-8.30	-10.10	-6.10	-2.90		-9.00	24.00	Pass
HE20	MCS0	2	7115	106/54	-4.90	-6.80	-2.74	-2.90		-5.64	24.00	Pass
HE40	MCS0	2	6925	Full	10.80	9.80	13.34	-2.90		10.44	24.00	Pass
HE40	MCS0	2	6965	Full	10.20	10.50	13.36	-2.90		10.46	24.00	Pass
HE40	MCS0	2	7085	Full	11.10	11.10	14.11	-2.90		11.21	24.00	Pass
HE80	MCS0	2	6945	Full	13.90	12.70	16.35	-2.90		13.45	24.00	Pass
HE80	MCS0	2	7025	Full	13.70	13.90	16.81	-2.90		13.91	24.00	Pass
HE160	MCS0	2	6985	Full	15.60	16.30	18.97	-2.90		16.07	24.00	Pass

Band VIII straddle channel MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE40	MCS0	2	6885	Full	11.00	9.90	13.50	-2.90		10.60	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

Band VIII MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE20	MCS0	2	6895	Full			0.05	-1.62		-1.57	-1.00	Pass
HE20	MCS0	2	6895	26/0			-0.37	-1.62		-1.99	-1.00	Pass
HE20	MCS0	2	6895	52/37			-0.32	-1.62		-1.94	-1.00	Pass
HE20	MCS0	2	6895	106/53			-0.03	-1.62		-1.65	-1.00	Pass
HE20	MCS0	2	6995	Full			-0.14	-1.62		-1.76	-1.00	Pass
HE20	MCS0	2	6995	26/4			-0.19	-1.62		-1.82	-1.00	Pass
HE20	MCS0	2	6995	52/38			-0.49	-1.62		-2.12	-1.00	Pass
HE20	MCS0	2	6995	106/53			-0.49	-1.62		-2.12	-1.00	Pass
HE20	MCS0	2	7115	Full			-10.56	-1.62		-12.18	-1.00	Pass
HE20	MCS0	2	7115	26/8			-11.03	-1.62		-12.65	-1.00	Pass
HE20	MCS0	2	7115	52/40			-10.93	-1.62		-12.55	-1.00	Pass
HE20	MCS0	2	7115	106/54			-10.77	-1.62		-12.40	-1.00	Pass
HE40	MCS0	2	6925	Full			-0.15	-1.62		-1.77	-1.00	Pass
HE40	MCS0	2	6965	Full			-0.29	-1.62		-1.91	-1.00	Pass
HE40	MCS0	2	7085	Full			0.06	-1.62		-1.56	-1.00	Pass
HE80	MCS0	2	6945	Full			-0.18	-1.62		-1.81	-1.00	Pass
HE80	MCS0	2	7025	Full			-0.12	-1.62		-1.75	-1.00	Pass
HE160	MCS0	2	6985	Full			-0.28	-1.62		-1.91	-1.00	Pass

Band VIII MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	SUM		
HE40	MCS0	2	6885	Full			-0.18	-1.62		-1.80	-1.00	Pass

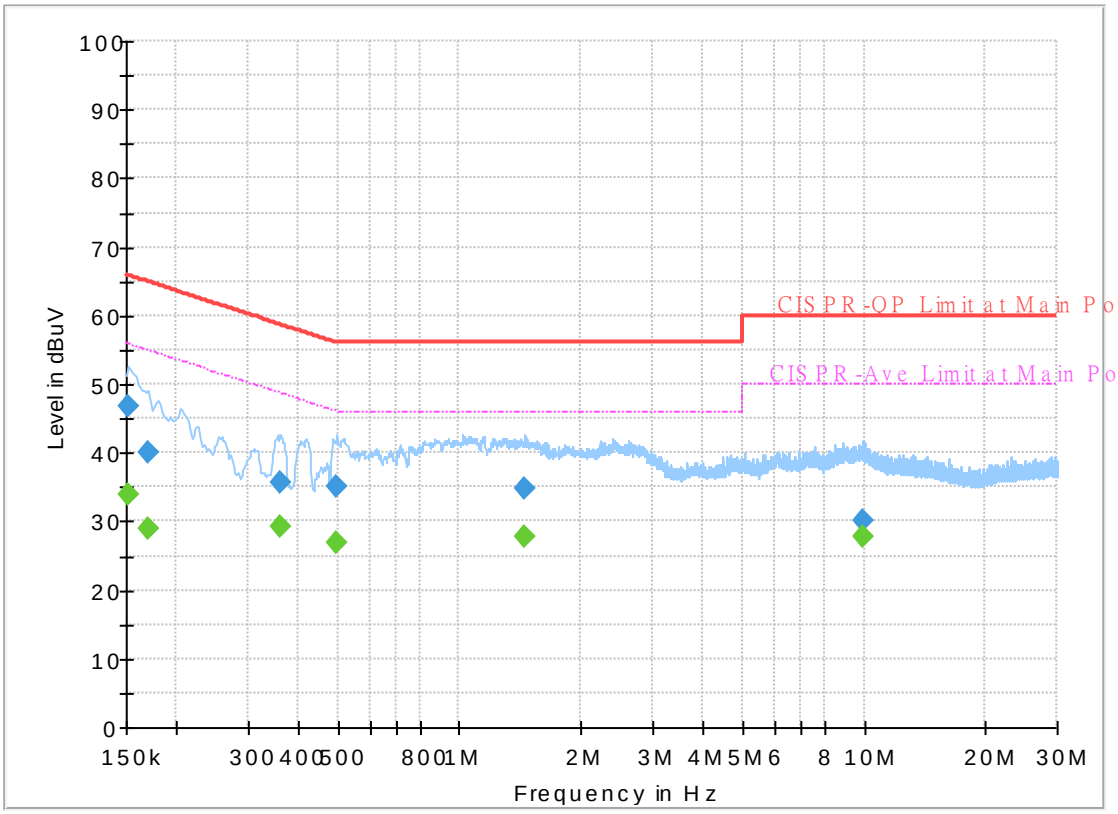
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	1N0901
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



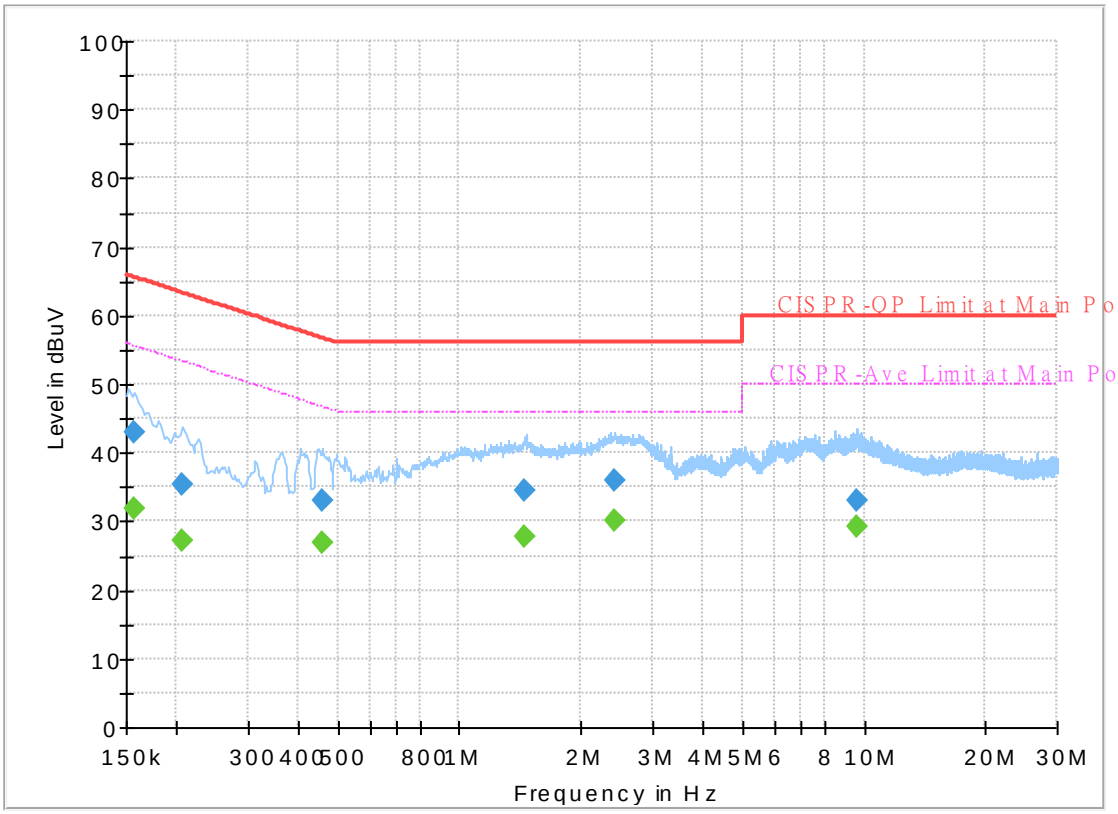
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	46.72	---	65.88	19.16	L1	OFF	19.7
0.152250	---	33.94	55.88	21.94	L1	OFF	19.7
0.170250	40.20	---	64.95	24.75	L1	OFF	19.7
0.170250	---	29.04	54.95	25.91	L1	OFF	19.7
0.361500	35.76	---	58.69	22.93	L1	OFF	19.7
0.361500	---	29.16	48.69	19.53	L1	OFF	19.7
0.496500	35.07	---	56.06	20.99	L1	OFF	19.8
0.496500	---	26.99	46.06	19.07	L1	OFF	19.8
1.455000	34.80	---	56.00	21.20	L1	OFF	20.2
1.455000	---	27.84	46.00	18.16	L1	OFF	20.2
9.937500	30.20	---	60.00	29.80	L1	OFF	20.1
9.937500	---	27.65	50.00	22.35	L1	OFF	20.1

EUT Information

Report NO :	1N0901
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)
0.156750	---	31.76	55.63	23.87	N	OFF	19.7
0.156750	43.11	---	65.63	22.52	N	OFF	19.7
0.206250	---	27.21	53.36	26.15	N	OFF	19.7
0.206250	35.48	---	63.36	27.88	N	OFF	19.7
0.458250	---	26.81	46.72	19.91	N	OFF	19.8
0.458250	33.13	---	56.72	23.59	N	OFF	19.8
1.455000	---	27.64	46.00	18.36	N	OFF	20.2
1.455000	34.64	---	56.00	21.36	N	OFF	20.2
2.427000	---	30.06	46.00	15.94	N	OFF	20.1
2.427000	35.98	---	56.00	20.02	N	OFF	20.1
9.602250	---	29.37	50.00	20.63	N	OFF	20.2
9.602250	33.01	---	60.00	26.99	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Bill Chang, JC Liang and Nick Yu	Temperature :	18~20°C
		Relative Humidity :	65~68%

Band 5 - 5925~6425MHz

WIFI 802.11ax HE20 Full (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.
17+18		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5848.24	48.42	-39.78	88.2	38.93	34.1	13.34	37.95	100	117	P	H
		5918.94	37.92	-30.28	68.2	28.22	34.24	13.42	37.96	100	117	A	H
	*	5955	98.71	-	-	88.93	34.28	13.47	37.97	100	117	P	H
	*	5955	88.6	-	-	78.82	34.28	13.47	37.97	100	117	A	H
802.11ax													H
HE20 Full													H
CH 01		5848.8	48.27	-39.93	88.2	38.78	34.1	13.34	37.95	245	67	P	V
5955MHz		5908.02	37.84	-30.36	68.2	28.17	34.22	13.41	37.96	245	67	A	V
	*	5955	94.95	-	-	85.17	34.28	13.47	37.97	245	67	P	V
	*	5955	85.4	-	-	75.62	34.28	13.47	37.97	245	67	A	V
													V
													V

Remark

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

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 17+18	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)
802.11ax HE20 Partial 26/0 CH 01 5955MHz		5848.52	48.29	-39.91	88.2	38.8	34.1	13.34	37.95	100	288	P	H
		5911.94	37.84	-30.36	68.2	28.17	34.22	13.41	37.96	100	288	A	H
	*	5955	102.66	-	-	92.88	34.28	13.47	37.97	100	288	P	H
	*	5955	94.4	-	-	84.62	34.28	13.47	37.97	100	288	A	H
													H
													H
		5842.36	47.64	-40.56	88.2	38.18	34.08	13.33	37.95	356	55	P	V
		5916.56	37.85	-30.35	68.2	28.16	34.23	13.42	37.96	356	55	A	V
	*	5955	104.46	-	-	94.68	34.28	13.47	37.97	356	55	P	V
	*	5955	95.4	-	-	85.62	34.28	13.47	37.97	356	55	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

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

WIFI Ant. 17+18	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)
		5814.36	47.91	-40.29	88.2	38.52	34.03	13.3	37.94	100	116	P	H
		5923.98	38.1	-30.1	68.2	28.38	34.25	13.43	37.96	100	116	A	H
	*	5965	99.28	-	-	89.53	34.24	13.48	37.97	100	116	P	H
	*	5965	88.37	-	-	78.62	34.24	13.48	37.97	100	116	A	H
802.11ax													H
HE40 Full													H
CH 03		5827.32	47.99	-40.21	88.2	38.57	34.05	13.31	37.94	251	69	P	V
5965MHz		5924.88	37.91	-30.29	68.2	28.19	34.25	13.43	37.96	251	69	A	V
	*	5965	95	-	-	85.25	34.24	13.48	37.97	251	69	P	V
	*	5965	85.37	-	-	75.62	34.24	13.48	37.97	251	69	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

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

WIFI Ant. 17+18	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)
		5881.48	48.4	-39.8	88.2	38.81	34.16	13.38	37.95	198	117	P	H
		5924.68	38.29	-29.91	68.2	28.57	34.25	13.43	37.96	198	117	A	H
	*	5985	98.42	-	-	88.74	34.16	13.5	37.98	198	117	P	H
	*	5985	88.12	-	-	78.44	34.16	13.5	37.98	198	117	A	H
802.11ax													H
HE80 Full													H
CH 07		5904.36	48.52	-39.68	88.2	38.86	34.21	13.41	37.96	249	67	P	V
5985MHz		5923.4	37.97	-30.23	68.2	28.25	34.25	13.43	37.96	249	67	A	V
	*	5985	95.57	-	-	85.89	34.16	13.5	37.98	249	67	P	V
	*	5985	85.51	-	-	75.83	34.16	13.5	37.98	249	67	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

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

WIFI Ant. 17+18	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)
		5919.4	49.26	-38.94	88.2	39.56	34.24	13.42	37.96	100	116	P	H
		5922.28	39.47	-28.73	68.2	29.76	34.24	13.43	37.96	100	116	A	H
	*	6025	99.31	-	-	89.53	34.2	13.55	37.97	100	116	P	H
	*	6025	88.29	-	-	78.51	34.2	13.55	37.97	100	116	A	H
802.11ax													H
HE160 Full													H
CH 15		5874.6	47.68	-40.52	88.2	38.11	34.15	13.37	37.95	246	66	P	V
6025MHz		5925	38.61	-29.59	68.2	28.89	34.25	13.43	37.96	246	66	A	V
	*	6025	95.97	-	-	86.19	34.2	13.55	37.97	246	66	P	V
	*	6025	85.5	-	-	75.72	34.2	13.55	37.97	246	66	A	V
													V
													V

Remark

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

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 17+18	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)
		12050	49.55	-24.45	74	34.09	39.1	19.42	43.06	100	155	P	H
		12050	39.84	-14.16	54	24.38	39.1	19.42	43.06	100	155	A	H
		18075	39.21	-34.79	74	61.37	37.39	-3.72	55.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 15		12050	48.93	-25.07	74	33.47	39.1	19.42	43.06	322	17	P	V
6025MHz		12050	39.98	-14.02	54	24.52	39.1	19.42	43.06	322	17	A	V
		18075	38.08	-35.92	74	60.24	37.39	-3.72	55.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 17+18	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)
		12370	49.12	-24.88	74	33.65	39.03	19.67	43.23	122	138	P	H
		12370	39.93	-14.07	54	24.46	39.03	19.67	43.23	122	138	A	H
		18555	38.75	-35.25	74	60.11	37.61	-3.6	55.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 47		12370	49.54	-24.46	74	34.07	39.03	19.67	43.23	311	258	P	V
6185MHz		12370	39.85	-14.15	54	24.38	39.03	19.67	43.23	311	258	A	V
		18555	37.27	-36.73	74	58.63	37.61	-3.6	55.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 17+18	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)
		12690	50.27	-23.73	74	34.09	39.48	19.92	43.22	100	138	P	H
		12690	41.31	-12.69	54	25.13	39.48	19.92	43.22	100	138	A	H
		19035	37.53	-36.47	74	58.3	37.99	-3.67	55.09	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 79		12690	49.45	-24.55	74	33.27	39.48	19.92	43.22	289	25	P	V
6345MHz		12690	41.81	-12.19	54	25.63	39.48	19.92	43.22	289	25	A	V
		19035	37.29	-36.71	74	58.06	37.99	-3.67	55.09	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 6 - 6425~6525MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 17+18	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)
		13010	50.49	-37.71	88.2	33.71	39.69	20.19	43.1	-	-	P	H
		19515	38.42	-35.58	74	59.34	37.71	-3.63	55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 111		13010	50.51	-37.69	88.2	33.73	39.69	20.19	43.1	-	-	P	V
6505MHz		19515	39.07	-34.93	74	59.99	37.71	-3.63	55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		13330	50.73	-23.27	74	33.3	39.86	20.73	43.16	100	128	P	H
		13330	42.81	-11.19	54	25.38	39.86	20.73	43.16	100	128	A	H
		19995	38.9	-35.1	74	59.63	37.7	-3.53	54.9			P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 143		13330	50.93	-23.07	74	33.5	39.86	20.73	43.16	300	248	P	V
6665MHz		13330	42.93	-11.07	54	25.5	39.86	20.73	43.16	300	248	A	V
		19995	38.47	-35.53	74	59.2	37.7	-3.53	54.9			P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 17+18	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)
		13650	51.66	-36.54	88.2	33.84	40	21.28	43.46	-	-	P	H
		20475	38.79	-35.21	74	59.32	37.87	-3.5	54.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 175		13650	51.74	-36.46	88.2	33.92	40	21.28	43.46	-	-	P	V
6825MHz		20475	40.54	-33.46	74	61.07	37.87	-3.5	54.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 8 - 6875~7125MHz

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

WIFI Ant. 17+18	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)
	*	7115	84.6	-	-	71.84	36.39	14.73	38.36	105	319	P	H
	*	7115	75.87	-	-	63.11	36.39	14.73	38.36	105	319	A	H
		7125.02	69.52	-18.68	88.2	56.7	36.45	14.74	38.37	105	319	P	H
		7125.02	64.59	-3.61	68.2	51.77	36.45	14.74	38.37	105	319	A	H
802.11ax													H
HE20 Full													H
CH 233	*	7115	86.9	-	-	74.14	36.39	14.73	38.36	361	351	P	V
7115MHz	*	7115	76.6	-	-	63.84	36.39	14.73	38.36	361	351	A	V
		7125.02	68.57	-19.63	88.2	55.75	36.45	14.74	38.37	361	351	P	V
		7125.02	65.04	-3.16	68.2	52.22	36.45	14.74	38.37	361	351	A	V
													V
													V

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

Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 17+18	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)
802.11ax HE20 Partial 26/8 CH 233 7115MHz	*	7115	84.79	-	-	72.03	36.39	14.73	38.36	100	339	P	H
	*	7115	76.3	-	-	63.54	36.39	14.73	38.36	100	339	A	H
		7125.02	69.59	-18.61	88.2	56.77	36.45	14.74	38.37	100	339	P	H
		7125.02	64.29	-3.91	68.2	51.47	36.45	14.74	38.37	100	339	A	H
													H
													H
	*	7115	86.3	-	-	73.54	36.39	14.73	38.36	104	143	P	V
	*	7115	77.89	-	-	65.13	36.39	14.73	38.36	104	143	A	V
		7125.02	67.87	-20.33	88.2	55.05	36.45	14.74	38.37	104	143	P	V
		7125.02	65.03	-3.17	68.2	52.21	36.45	14.74	38.37	104	143	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

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

WIFI Ant. 17+18	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	98.62	-	-	86.03	36.24	14.69	38.34	100	237	P	H
	*	7085	87.64	-	-	75.05	36.24	14.69	38.34	100	237	A	H
		7225.56	52.06	-36.14	88.2	38.77	36.9	14.84	38.45	100	237	P	H
		7245	41.44	-26.76	68.2	28.07	36.98	14.86	38.47	100	237	A	H
802.11ax													H
HE40 Full													H
CH 227	*	7085	97.27	-	-	84.68	36.24	14.69	38.34	100	144	P	V
7085MHz	*	7085	85.4	-	-	72.81	36.24	14.69	38.34	100	144	A	V
		7199.82	51.02	-37.18	88.2	37.83	36.8	14.82	38.43	100	144	P	V
		7244.1	41.43	-26.77	68.2	28.06	36.98	14.86	38.47	100	144	A	V
													V
													V

Remark

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

Band 8 - 6875~7125MHz

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

WIFI Ant. 17+18	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	96.95	-	-	84.66	35.95	14.63	38.29	100	112	P	H
	*	7025	86.6	-	-	74.31	35.95	14.63	38.29	100	112	A	H
		7217.7	51.68	-36.52	88.2	38.42	36.87	14.84	38.45	100	112	P	H
		7239.54	41.46	-26.74	68.2	28.12	36.96	14.85	38.47	100	112	P	H
802.11ax													H
HE80 Full													H
CH 215	*	7025	94.13	-	-	81.84	35.95	14.63	38.29	100	149	P	V
7025MHz	*	7025	84.92	-	-	72.63	35.95	14.63	38.29	100	149	A	V
		7169.08	52.26	-35.94	88.2	39.2	36.68	14.79	38.41	100	149	P	V
		7244.48	41.48	-26.72	68.2	28.11	36.98	14.86	38.47	100	149	P	V
													V
													V

Remark

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

Band 8 - 6875~7125MHz

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

WIFI Ant. 17+18	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	97.35	-	-	85.21	35.8	14.59	38.25	103	114	P	H
	*	6985	87.56	-	-	75.42	35.8	14.59	38.25	103	114	A	H
		7132.52	53.24	-34.96	88.2	40.37	36.5	14.75	38.38	103	114	P	H
		7127.08	43.71	-24.49	68.2	30.88	36.46	14.74	38.37	103	114	A	H
802.11ax													H
HE160 Full													H
CH 207	*	6985	94.71	-	-	82.57	35.8	14.59	38.25	100	149	P	V
6985MHz	*	6985	83.45	-	-	71.31	35.8	14.59	38.25	100	149	A	V
		7135.4	53.33	-34.87	88.2	40.45	36.51	14.75	38.38	100	149	P	V
		7134.12	43.03	-25.17	68.2	30.16	36.5	14.75	38.38	100	149	A	V
													V
													V

Remark

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

Band 8 - 6875~7125MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 17+18	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)
		13970	51.69	-36.51	88.2	33.7	40.21	21.83	44.05	-	-	P	H
		20955	37.68	-36.32	74	57.68	38.08	-3.36	54.72	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 207		13970	51.75	-36.45	88.2	33.76	40.21	21.83	44.05	-	-	P	V
6985MHz		20955	37.63	-36.37	74	57.63	38.08	-3.36	54.72	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full LF		30	23.14	-16.86	40	33.54	24.37	0.95	35.72	-	-	P	H
		156.1	21.12	-22.38	43.5	37.8	16.7	2.17	35.55	-	-	P	H
		206.54	23.82	-19.68	43.5	41.7	15.09	2.49	35.46	-	-	P	H
		793.39	30.7	-15.3	46	31.68	27.72	5.03	33.73	-	-	P	H
		866.14	32.67	-13.33	46	31.99	28.81	5.34	33.47	-	-	P	H
		946.65	34.03	-11.97	46	31.28	30.31	5.6	33.16	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	33.74	-6.26	40	44.59	23.9	0.97	35.72	-	-	P	V
		44.55	33.9	-6.1	40	51.65	16.86	1.11	35.72	-	-	P	V
		168.71	23.96	-19.54	43.5	41.64	15.6	2.25	35.53	-	-	P	V
		790.48	30.92	-15.08	46	31.9	27.74	5.02	33.74	-	-	P	V
		864.2	33.29	-12.71	46	32.6	28.84	5.33	33.48	-	-	P	V
		959.26	34.2	-11.8	46	30.94	30.72	5.65	33.11	-	-	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 with sufficient margin against limit line or noise floor only.

<WPC Charging Mode>

Band 8 - 6875~7125MHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
17+18		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	7115	84.49	-	-	71.73	36.39	14.73	38.36	104	320	P	H
	*	7115	75.52	-	-	62.76	36.39	14.73	38.36	104	320	A	H
		7125.02	67.65	-20.55	88.2	54.83	36.45	14.74	38.37	104	320	P	H
		7125.02	63.72	-4.48	68.2	50.9	36.45	14.74	38.37	104	320	A	H
802.11ax													H
HE20 Full													H
CH 233	*	7115	86.64	-	-	73.88	36.39	14.73	38.36	339	346	P	V
7115MHz	*	7115	76.42	-	-	63.66	36.39	14.73	38.36	339	346	A	V
		7125.02	67.79	-20.41	88.2	54.97	36.45	14.74	38.37	339	346	P	V
		7125.02	63.74	-4.46	68.2	50.92	36.45	14.74	38.37	339	346	A	V
													V
													V

Remark

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

Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 17+18	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)
		14230	52.34	-35.86	88.2	34.25	40.17	21.76	44.14	-	-	P	H
		21345	38.63	-35.37	74	96.7	0	6.27	54.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 233		14230	51.64	-36.56	88.2	33.55	40.17	21.76	44.14	-	-	P	V
7115MHz		21345	37.59	-36.41	74	95.66	0	6.27	54.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
17+18		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full LF		30	23.14	-16.86	40	33.54	24.37	0.95	35.72	-	-	P	H
		156.1	21.12	-22.38	43.5	37.8	16.7	2.17	35.55	-	-	P	H
		206.54	23.82	-19.68	43.5	41.7	15.09	2.49	35.46	-	-	P	H
		793.39	30.7	-15.3	46	31.68	27.72	5.03	33.73	-	-	P	H
		866.14	32.67	-13.33	46	31.99	28.81	5.34	33.47	-	-	P	H
		946.65	34.03	-11.97	46	31.28	30.31	5.6	33.16	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	33.74	-6.26	40	44.59	23.9	0.97	35.72	-	-	P	V
		44.55	33.9	-6.1	40	51.65	16.86	1.11	35.72	-	-	P	V
		168.71	23.96	-19.54	43.5	41.64	15.6	2.25	35.53	-	-	P	V
		790.48	30.92	-15.08	46	31.9	27.74	5.02	33.74	-	-	P	V
		864.2	33.29	-12.71	46	32.6	28.84	5.33	33.48	-	-	P	V
		959.26	34.2	-11.8	46	30.94	30.72	5.65	33.11	-	-	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 with sufficient margin against limit line or 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.	
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	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 @ 2390MHz:

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)

= -18.55(dB)

For Average Limit @ 2390MHz:

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)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

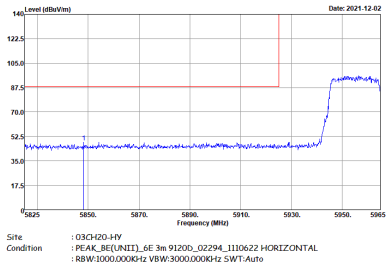
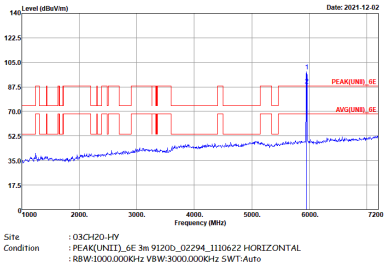
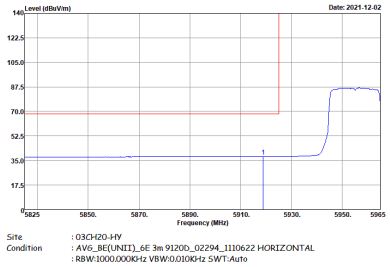
Test Engineer :	Bill Chang, JC Liang and Nick Yu	**Temperature :**	18~20°C
		Relative Humidity :	65~68%

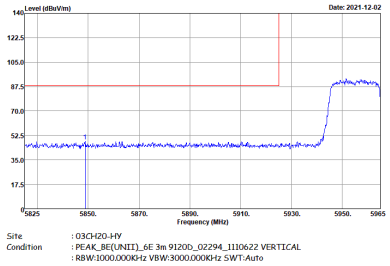
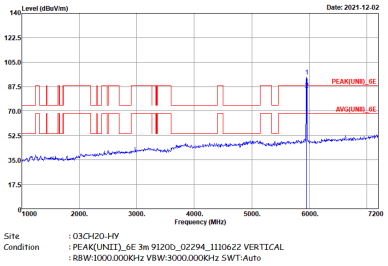
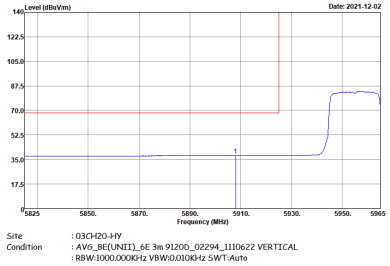
Note symbol

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

Band 5 - 5925~6425MHz

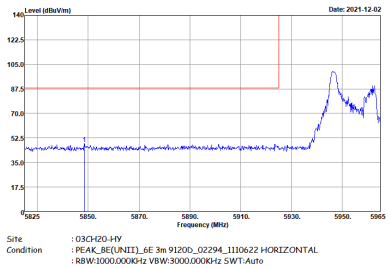
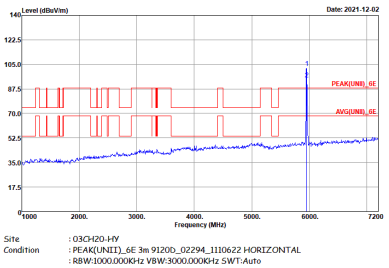
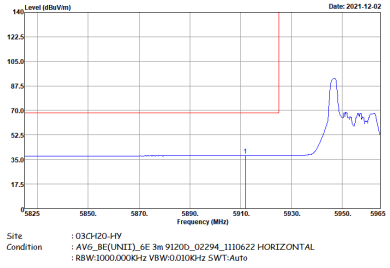
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

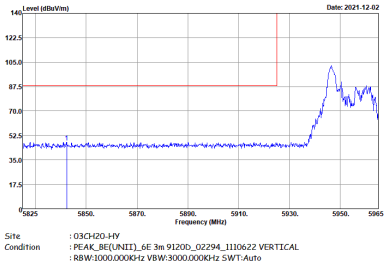
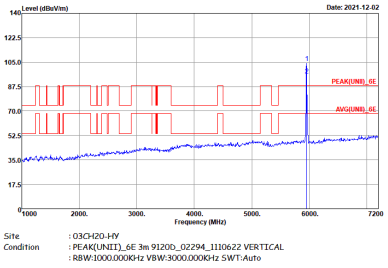
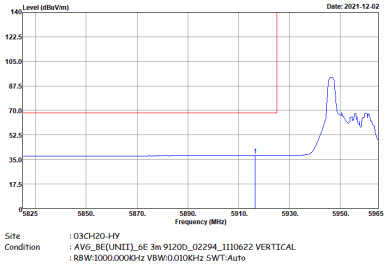
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
17+18	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 5 5925~6425MHz

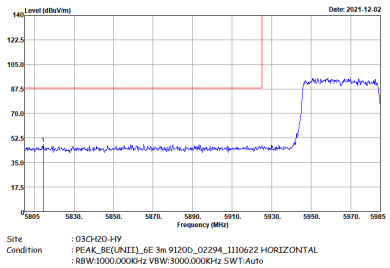
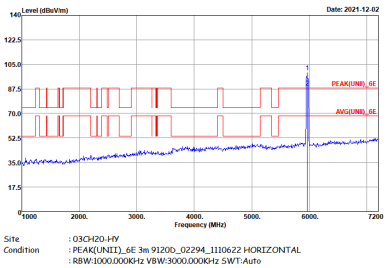
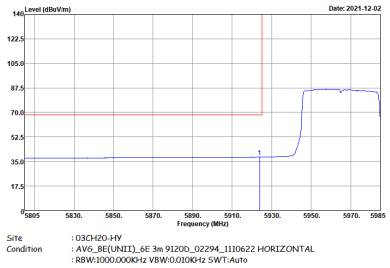
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

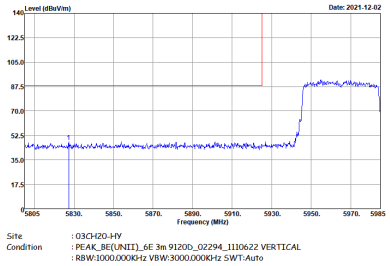
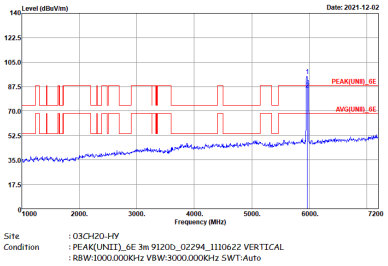
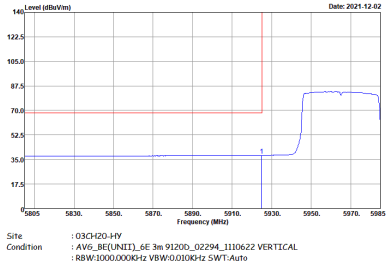
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH01 5955MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH01 5955MHz	
17+18	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 5 5925~6425MHz

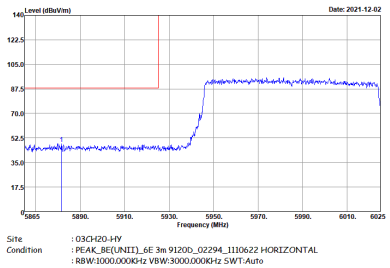
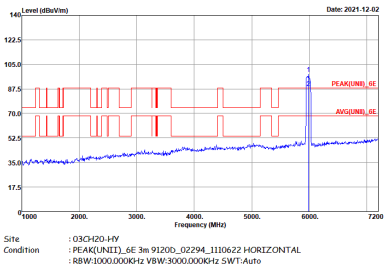
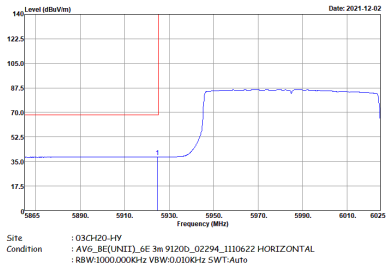
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

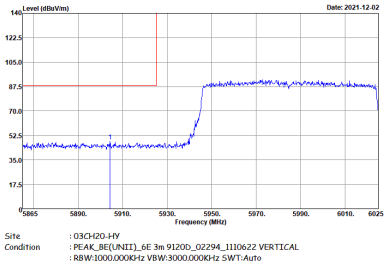
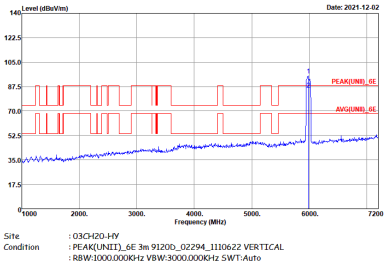
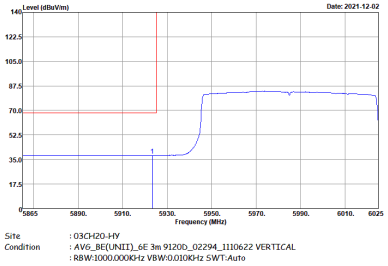
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
17+18	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 5 5925~6425MHz

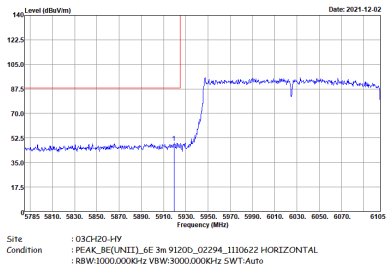
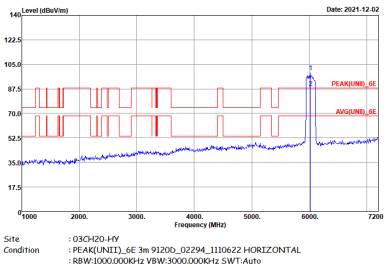
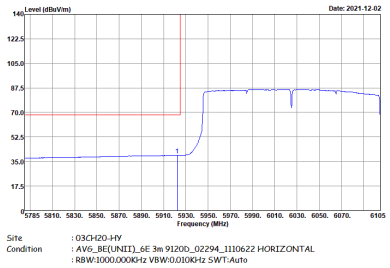
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

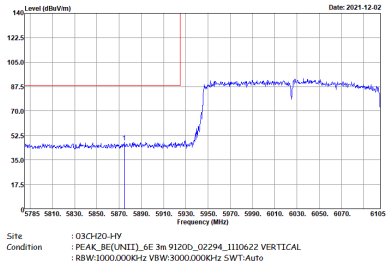
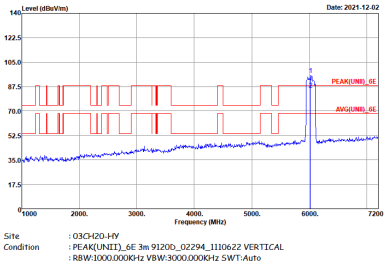
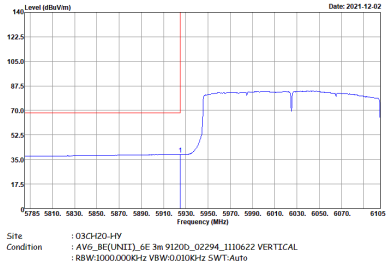
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
17+18	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 5 5925~6425MHz

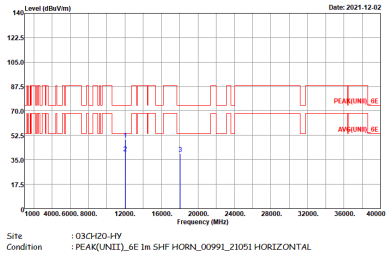
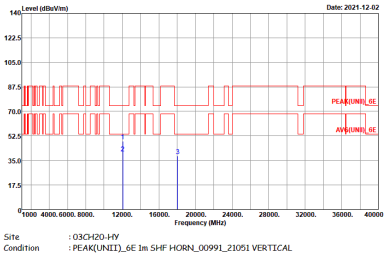
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

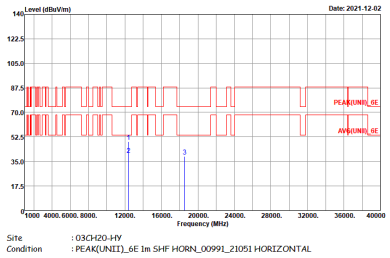
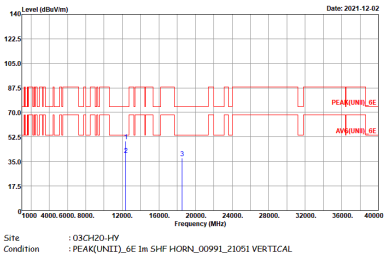
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

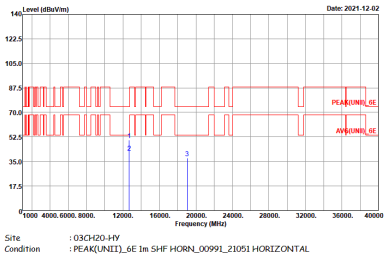
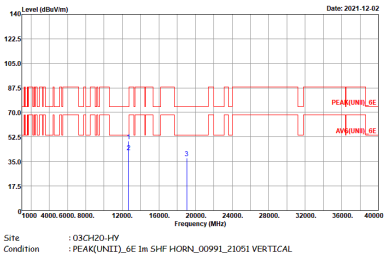
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
17+18	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 5 - 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

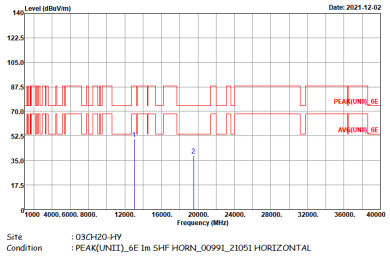
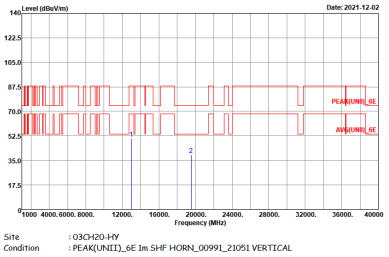
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
17+18	Horizontal	Vertical
Peak Avg.		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
17+18	Horizontal	Vertical
Peak Avg.		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
17+18	Horizontal	Vertical
Peak Avg.		

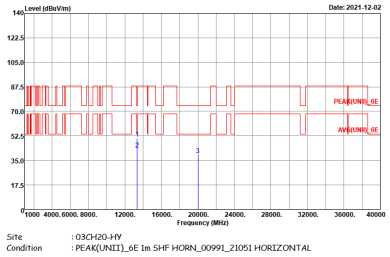
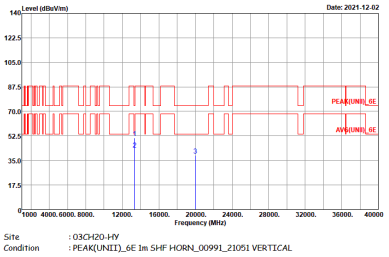
Band 6 - 6425~6525MHz

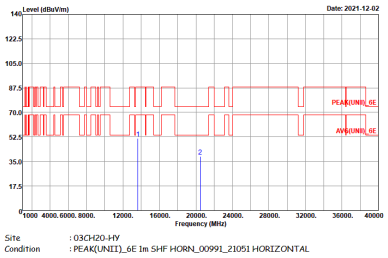
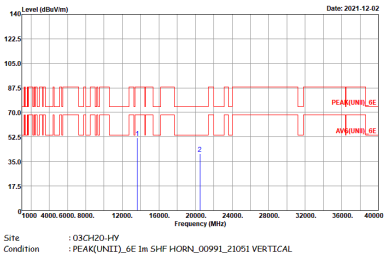
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 6 6425~6525MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH111 6505MHz	
17+18	Horizontal	Vertical
Peak Avg.		

Band 7 - 6525~6875MHz

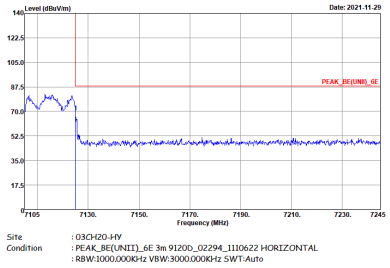
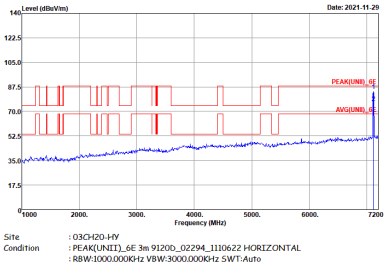
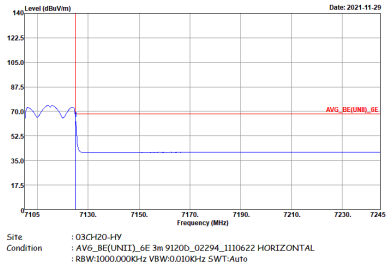
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

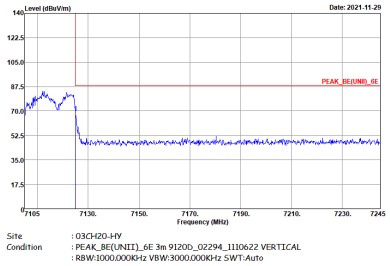
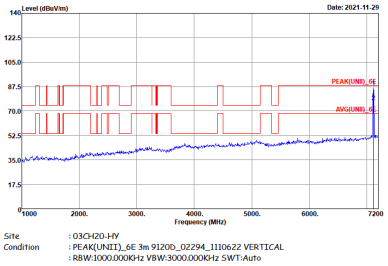
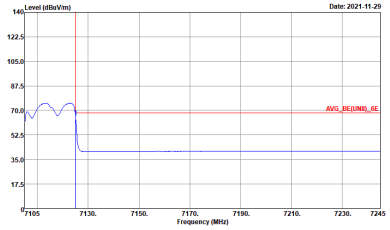
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH143 6665MHz	
17+18	Horizontal	Vertical
Peak Avg.		

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH175 6825MHz	
17+18	Horizontal	Vertical
Peak Avg.		

Band 8 - 6875~7125MHz

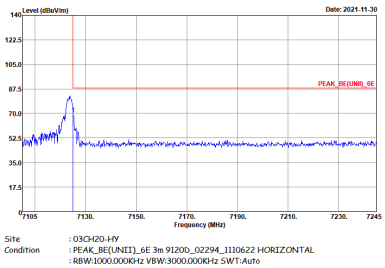
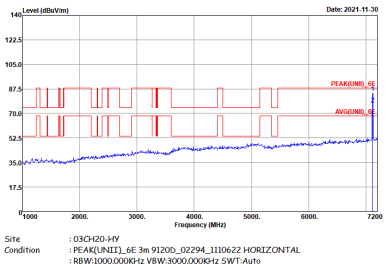
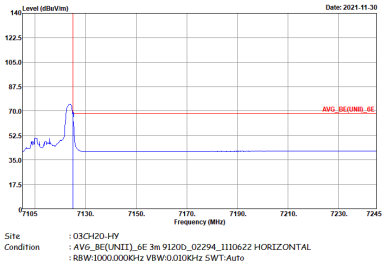
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

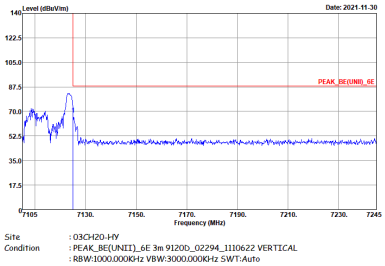
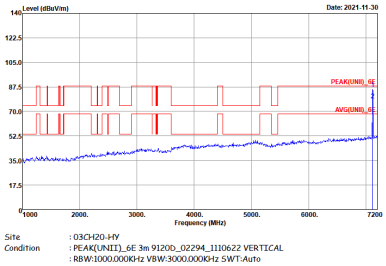
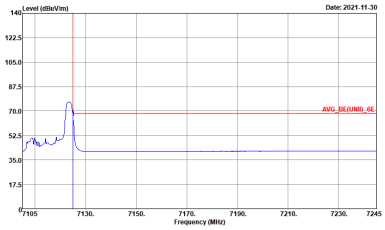
WIFI	Band 8 6875~7115MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH233 7125MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH233 7115MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 8 - 6875~7125MHz

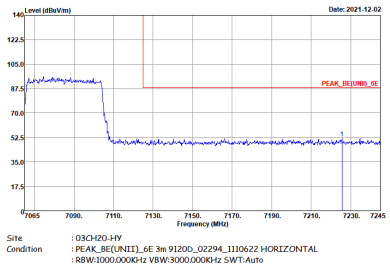
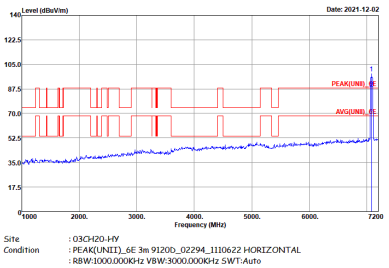
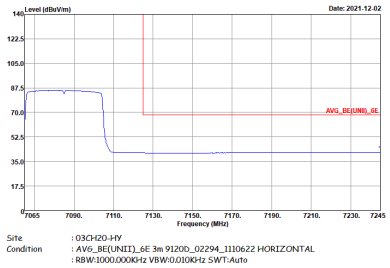
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

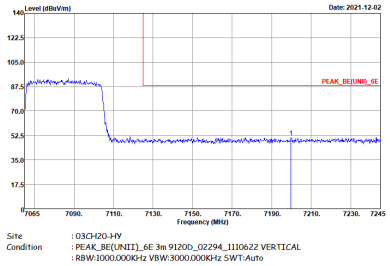
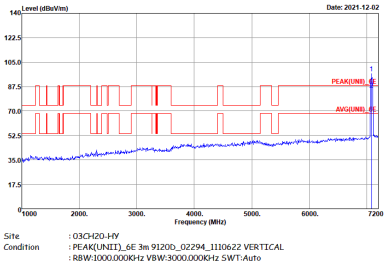
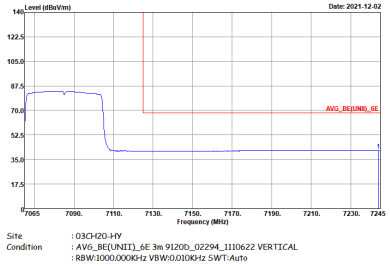
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH233 7115MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH233 7115MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 8 - 6875~7125MHz

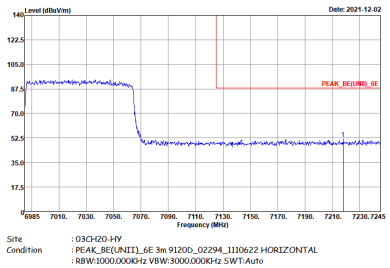
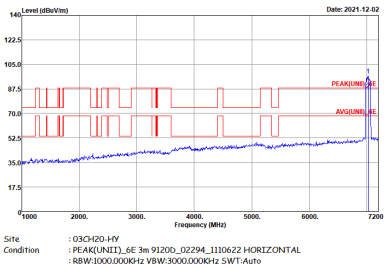
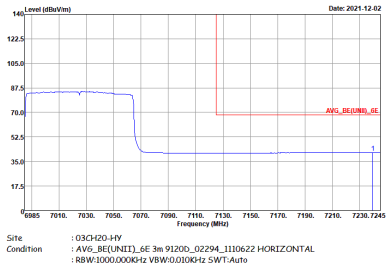
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

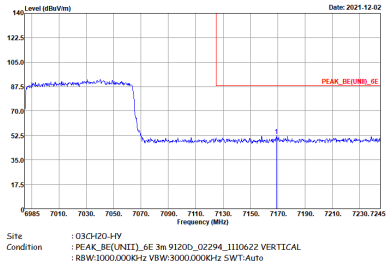
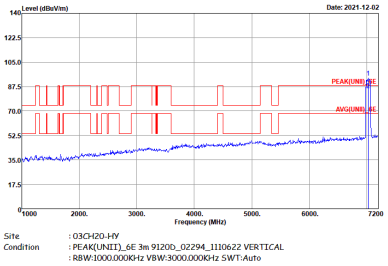
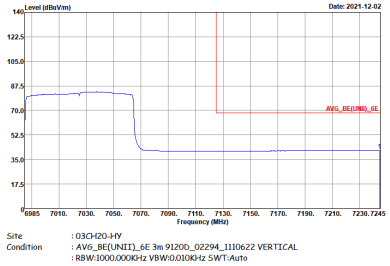
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 8 - 6875~7125MHz

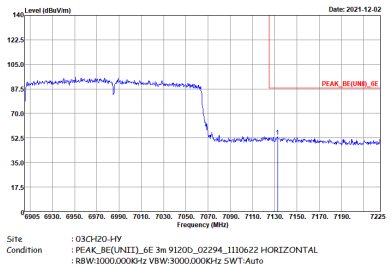
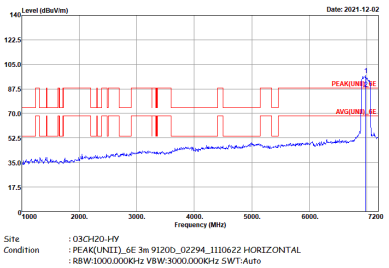
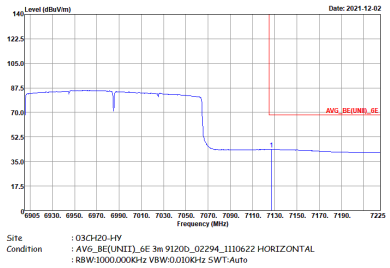
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

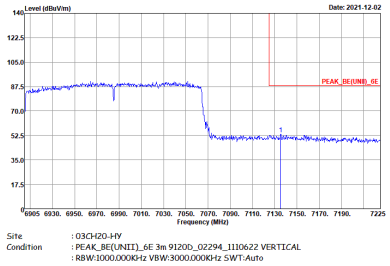
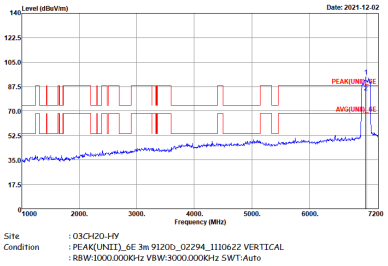
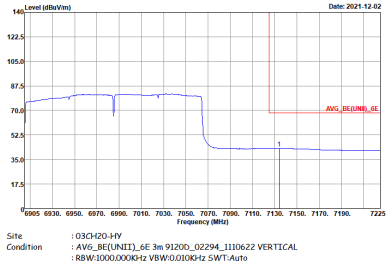
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
17+18	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 8 - 6875~7125MHz

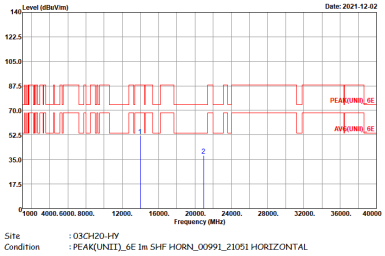
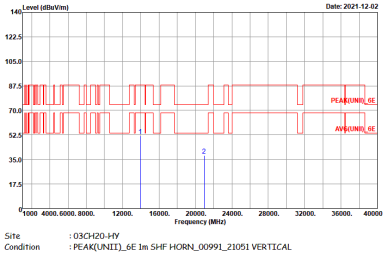
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

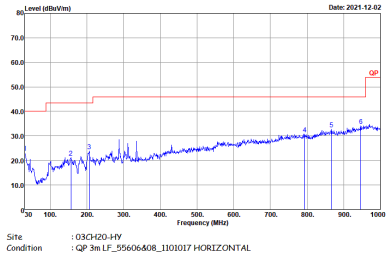
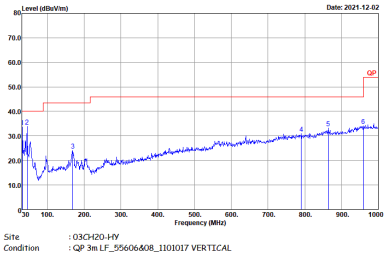
Band 8 - 6875~7125MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 8 6875~7125MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
17+18	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

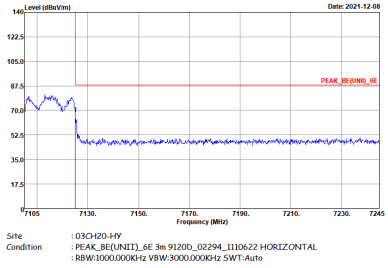
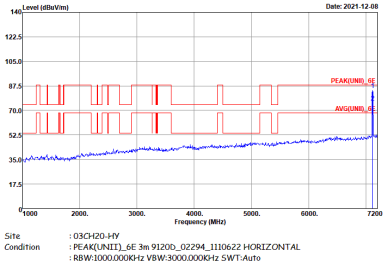
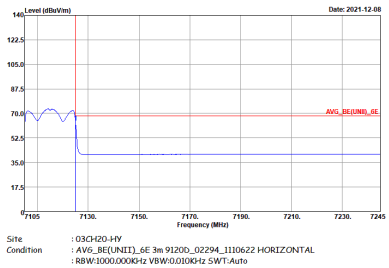
5GHz WIFI 802.11ax HE20 Full (LF)

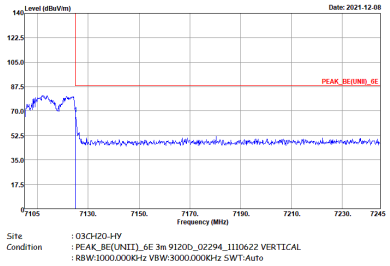
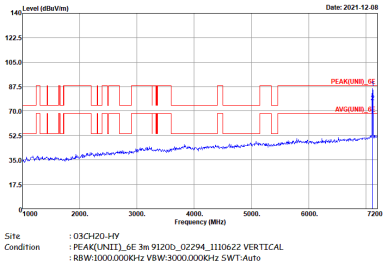
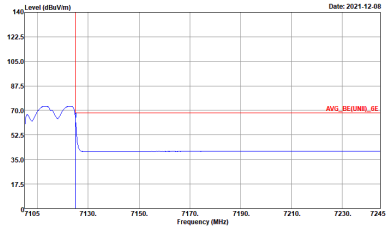
WIFI	5GHz WIFI	
ANT	802.11ax HE20 Full LF	
17+18	Horizontal	Vertical
QP / Peak		

<WPC Charging Mode>

Band 8 - 6875~7125MHz

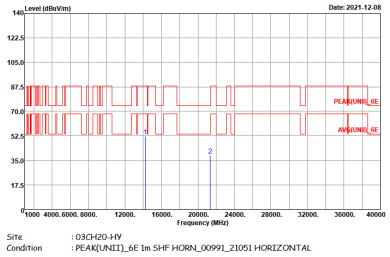
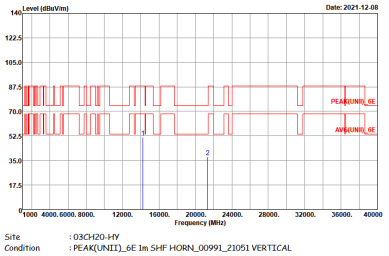
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH233 7115MHz	
17+18	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH233 7115MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

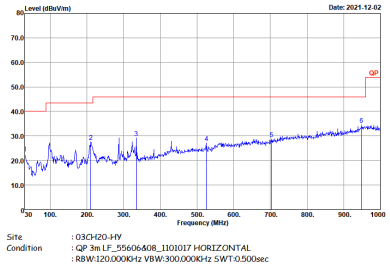
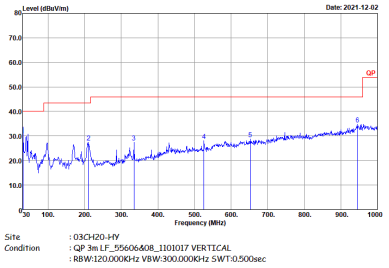
Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 8 6875~7125MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH233 7115MHz	
17+18	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11ax HE20 Full (LF)

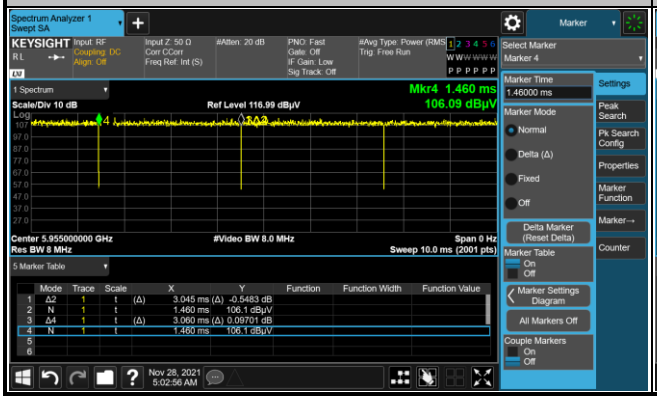
WIFI	5GHz WIFI	
ANT	802.11ax HE20 Full LF	
17+18	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

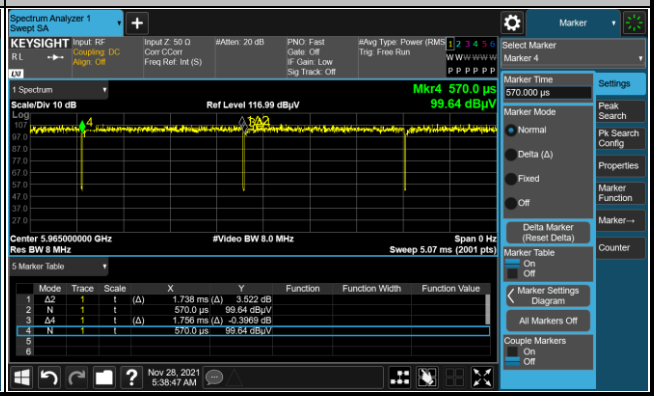
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
17+18	5GHz 802.11ax HE20 Full RU	99.51	-	-	10Hz
17+18	5GHz 802.11ax HE40 Full RU	98.97	-	-	10Hz
17+18	5GHz 802.11ax HE80 Full RU	98.95	-	-	10Hz
17+18	5GHz 802.11ax HE160 Full RU	99.64	-	-	10Hz

MIMO <Ant. 17+18>

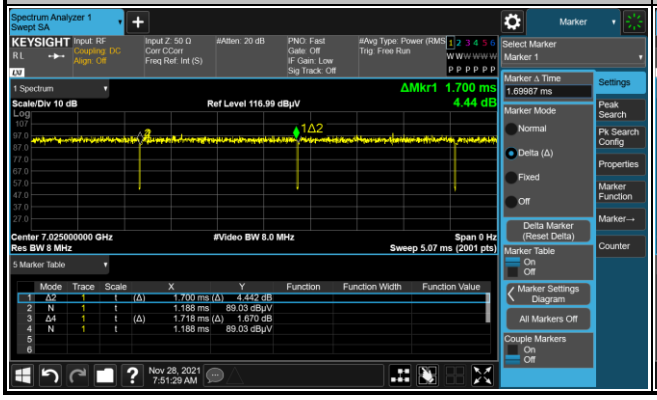
802.11ax HE20 Full RU



802.11ax HE40 Full RU



802.11ax HE80 Full RU



802.11ax HE160 Full RU