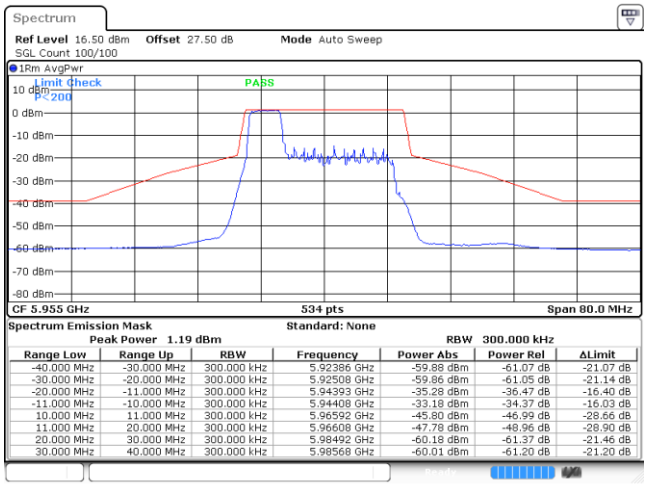
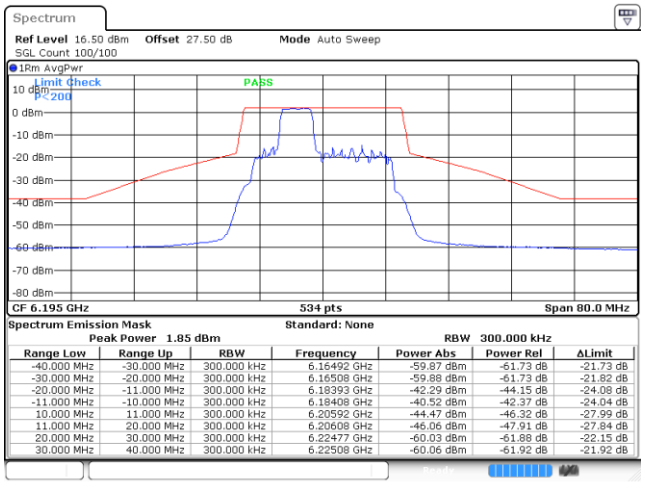
EUT Mode :	802.11ax HE20 52RU

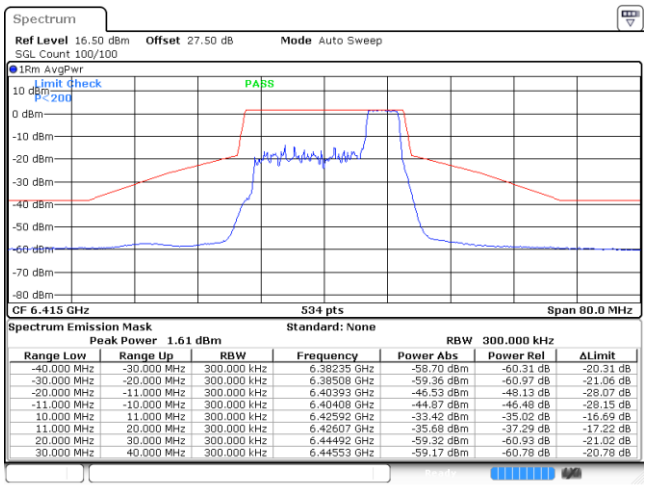
Plot on Channel 5955MHz



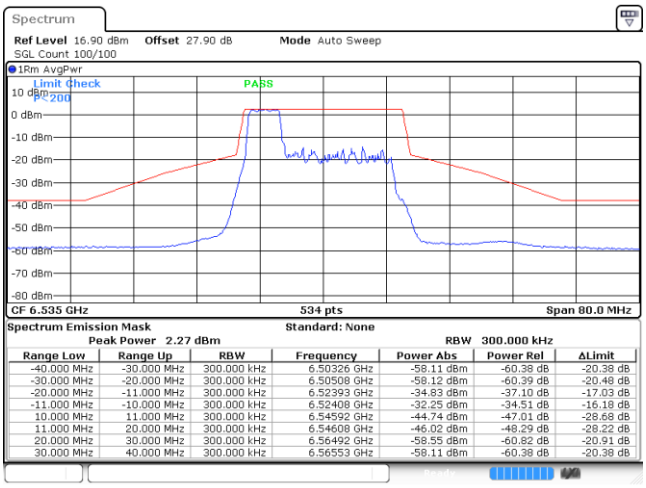
Plot on Channel 6195MHz



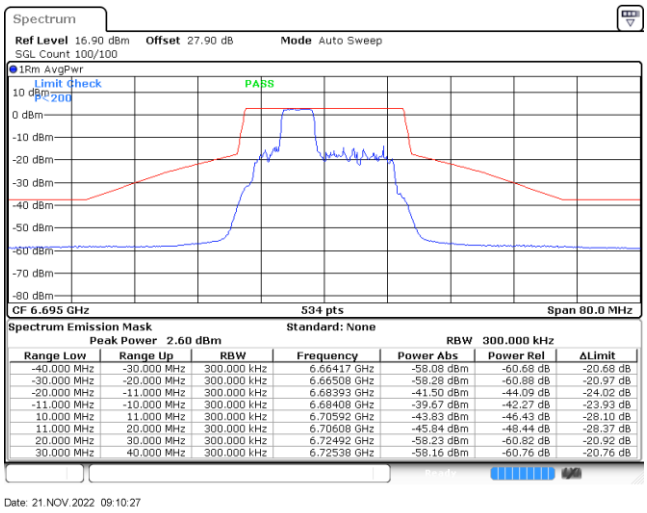
Plot on Channel 6415MHz



Plot on Channel 6535MHz



Plot on Channel 6695MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.66417 GHz	-58.08 dBm	-60.68 dB	-20.68 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.66508 GHz	-58.28 dBm	-60.88 dB	-20.97 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.68393 GHz	-41.50 dBm	-44.09 dB	-24.02 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.68408 GHz	-39.67 dBm	-42.27 dB	-23.93 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.70592 GHz	-43.83 dBm	-46.43 dB	-28.10 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.70608 GHz	-45.84 dBm	-48.44 dB	-28.37 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.72492 GHz	-58.23 dBm	-60.82 dB	-20.92 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.72538 GHz	-58.16 dBm	-60.76 dB	-20.76 dB

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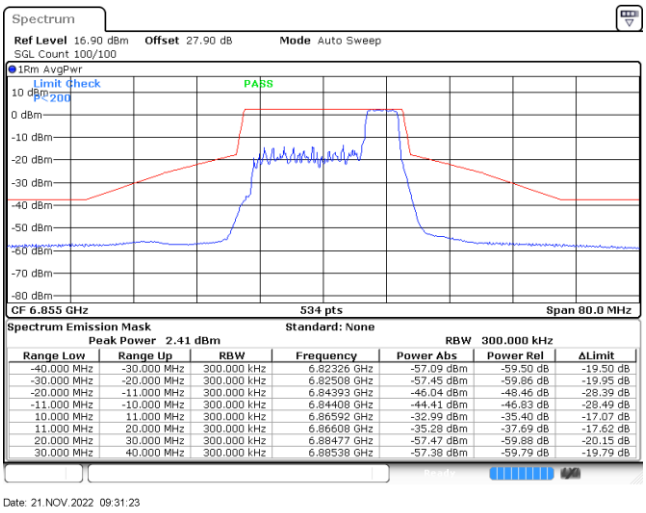
Plot on Channel 6855MHz

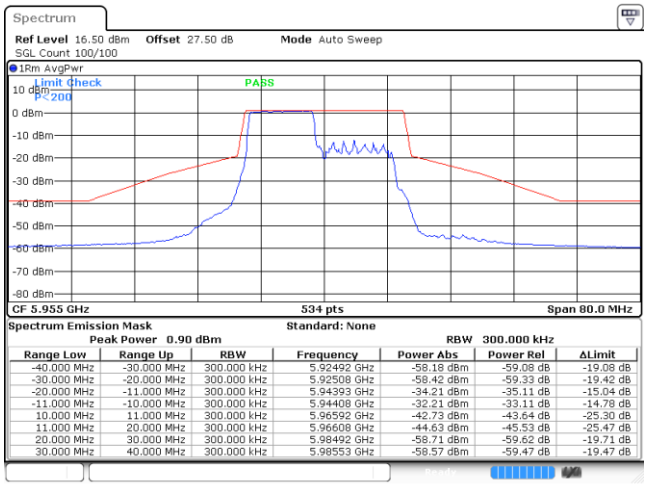


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.82326 GHz	-57.09 dBm	-59.50 dB	-19.50 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.82508 GHz	-57.45 dBm	-59.86 dB	-19.95 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.84393 GHz	-46.04 dBm	-48.46 dB	-28.39 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.84408 GHz	-44.41 dBm	-46.83 dB	-28.49 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.86592 GHz	-32.99 dBm	-35.40 dB	-17.07 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.86608 GHz	-35.28 dBm	-37.69 dB	-17.62 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.88477 GHz	-57.47 dBm	-59.88 dB	-20.15 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.88538 GHz	-57.38 dBm	-59.79 dB	-19.79 dB

Date: 21.NOV.2022 09:31:23

EUT Mode :	802.11ax HE20 106RU

Plot on Channel 5955MHz



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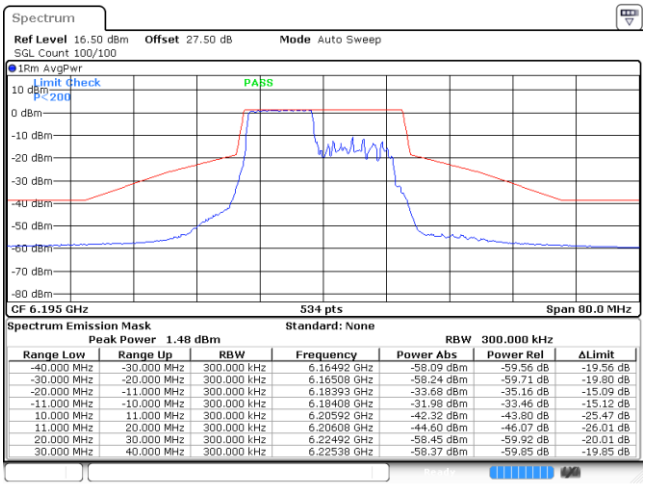
Plot on Channel 6195MHz



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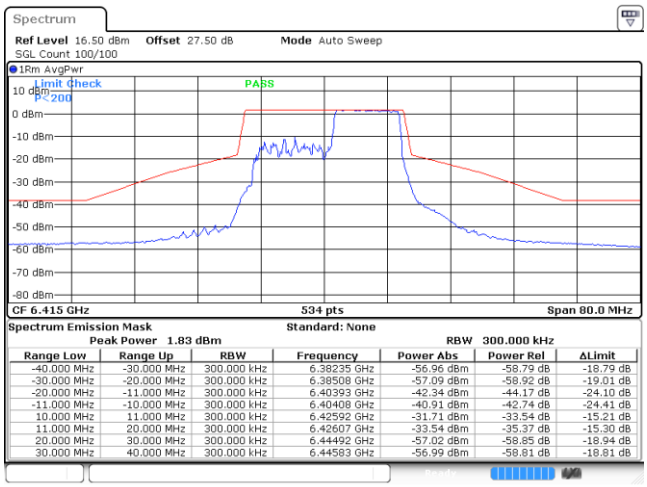
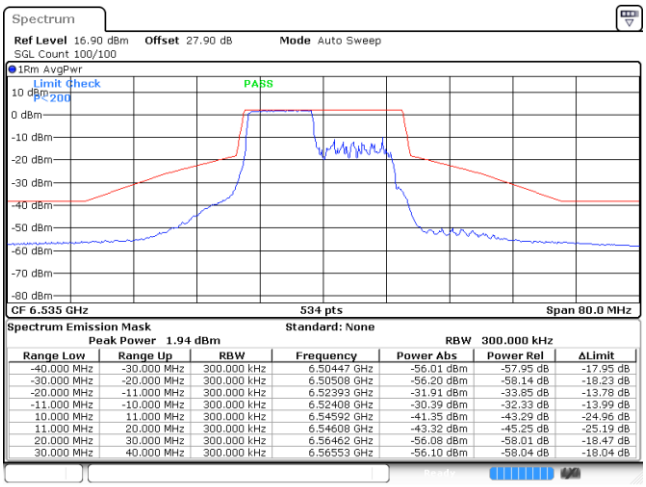
Plot on Channel 6415MHz



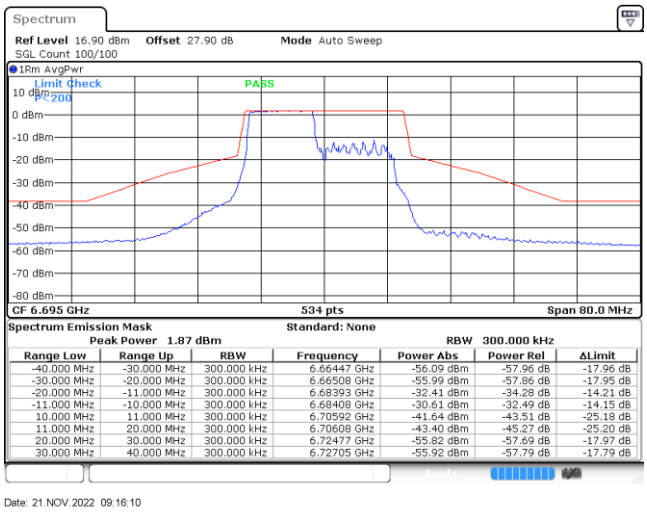
Date: 18.NOV.2022 19:18:19

Plot on Channel 6535MHz



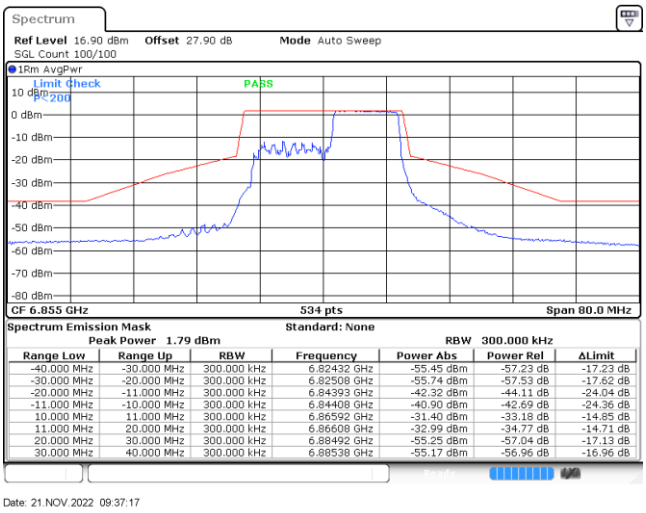
Date: 21.NOV.2022 08:36:10

Plot on Channel 6695MHz



Date: 21.NOV.2022 09:16:10

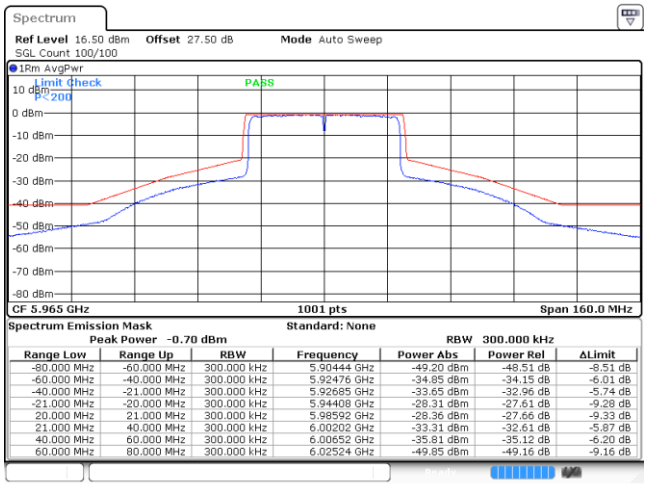
Plot on Channel 6855MHz



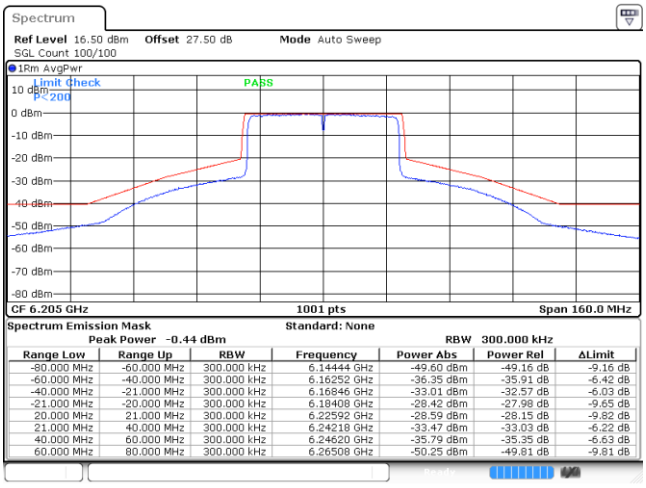
Date: 21.NOV.2022 09:37:17

EUT Mode :	802.11ax HE40 Full RU

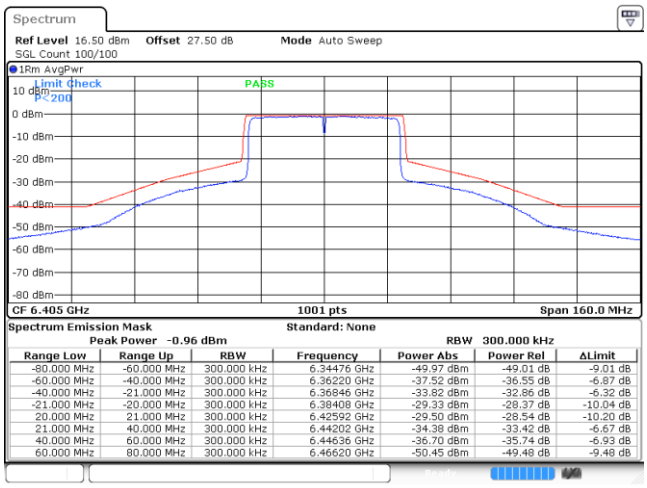
Plot on Channel 5965MHz



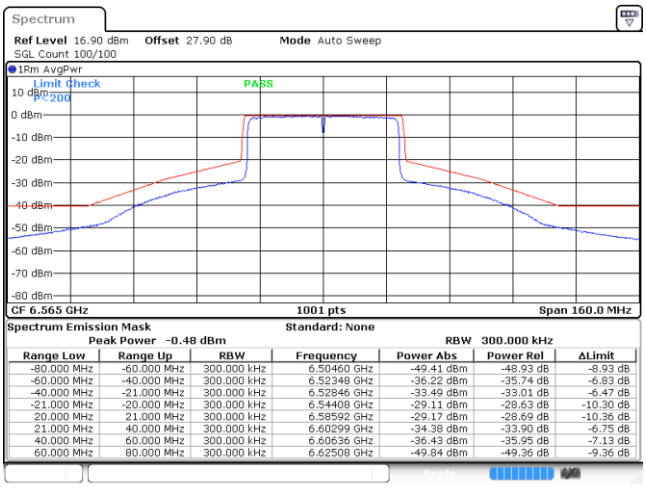
Plot on Channel 6205MHz



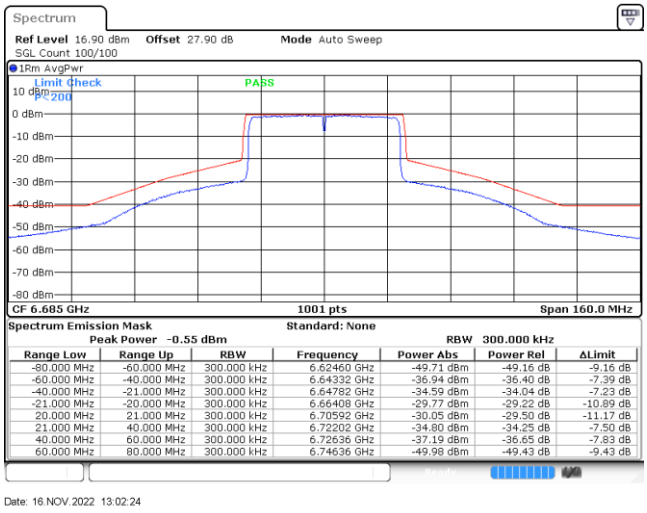
Plot on Channel 6405MHz



Plot on Channel 6565MHz



Plot on Channel 6685MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.62460 GHz	-49.71 dBm	-49.16 dB	-9.16 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.64332 GHz	-36.94 dBm	-36.40 dB	-7.39 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.64782 GHz	-34.59 dBm	-34.04 dB	-7.23 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.66408 GHz	-29.77 dBm	-29.22 dB	-10.89 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.70592 GHz	-30.05 dBm	-29.50 dB	-11.17 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.72202 GHz	-34.80 dBm	-34.25 dB	-7.50 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.72636 GHz	-37.19 dBm	-36.65 dB	-7.83 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.74636 GHz	-49.98 dBm	-49.43 dB	-9.43 dB

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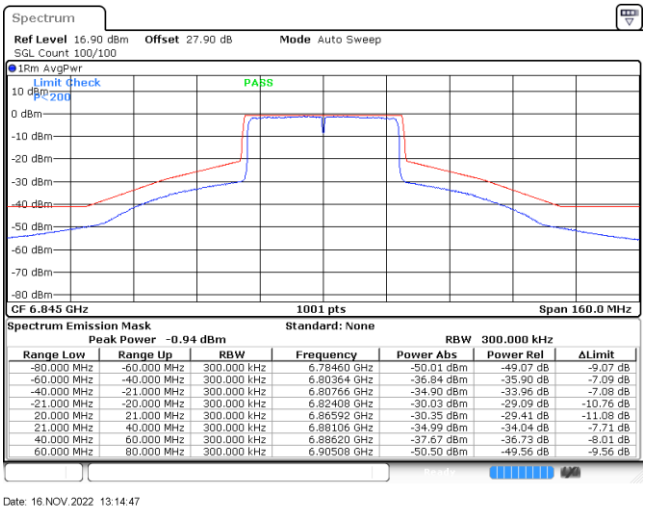
Plot on Channel 6845MHz

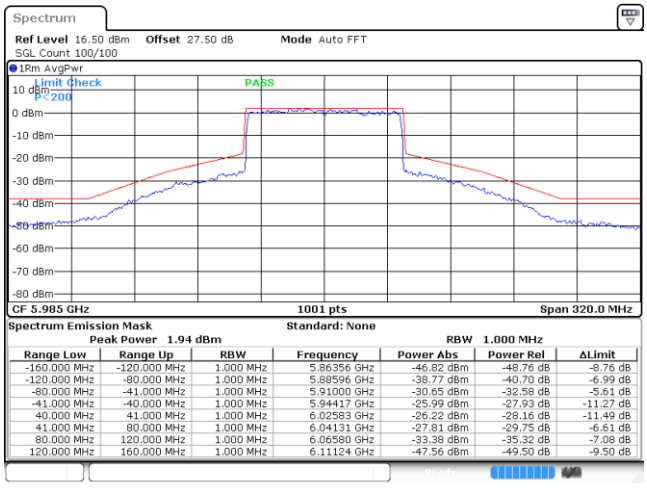


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.78460 GHz	-50.01 dBm	-49.07 dB	-9.07 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.80364 GHz	-36.84 dBm	-35.90 dB	-7.09 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.80766 GHz	-34.90 dBm	-33.96 dB	-7.08 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.82408 GHz	-30.03 dBm	-29.09 dB	-10.76 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.86592 GHz	-30.35 dBm	-29.41 dB	-11.08 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.88106 GHz	-34.99 dBm	-34.04 dB	-7.71 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.88620 GHz	-37.67 dBm	-36.73 dB	-8.01 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.90508 GHz	-50.50 dBm	-49.56 dB	-9.56 dB

Date: 16.NOV.2022 13:14:47

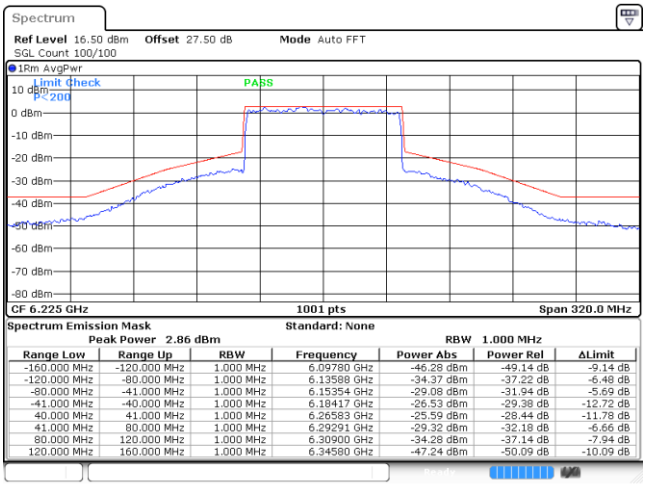
EUT Mode :	802.11ax HE80 Full RU

Plot on Channel 5985MHz



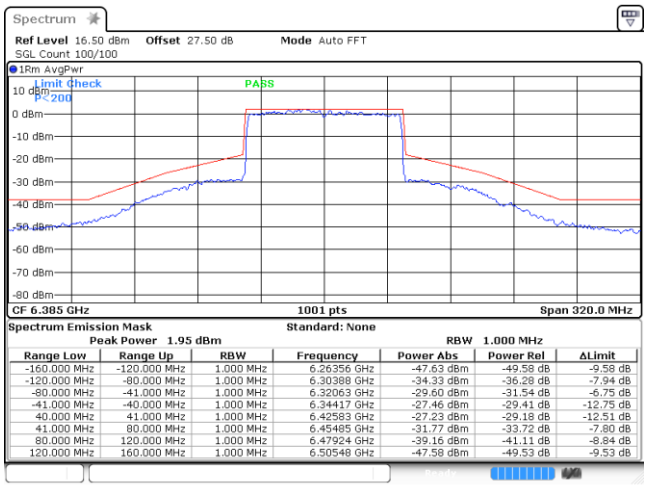
Date: 16.NOV.2022 13:28:28

Plot on Channel 6225MHz



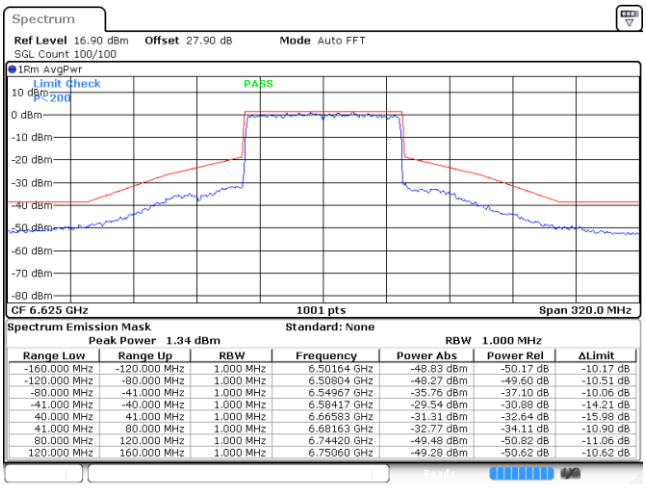
Date: 16.NOV.2022 13:38:42

Plot on Channel 6385MHz



Date: 16.NOV.2022 13:50:39

Plot on Channel 6625MHz



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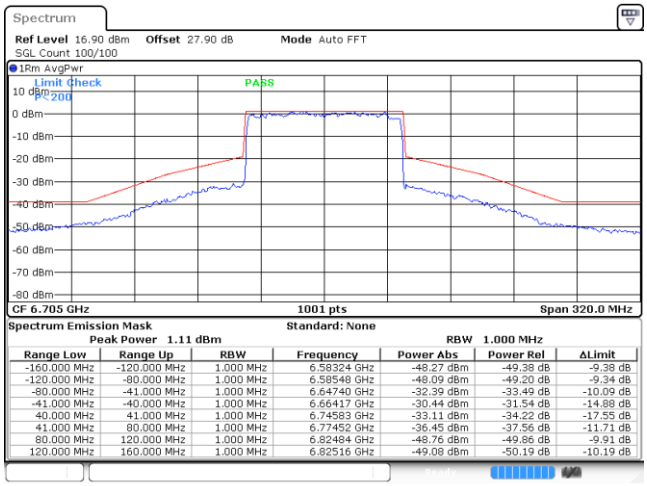
Plot on Channel 6705MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.58324 GHz	-48.27 dBm	-49.38 dB	-9.38 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.58548 GHz	-48.09 dBm	-49.20 dB	-9.34 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.64740 GHz	-32.39 dBm	-33.49 dB	-10.09 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.66417 GHz	-30.44 dBm	-31.54 dB	-14.88 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.74583 GHz	-33.11 dBm	-34.22 dB	-17.55 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.77452 GHz	-36.45 dBm	-37.56 dB	-11.71 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.82484 GHz	-48.76 dBm	-49.86 dB	-9.91 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.82516 GHz	-49.08 dBm	-50.19 dB	-10.19 dB

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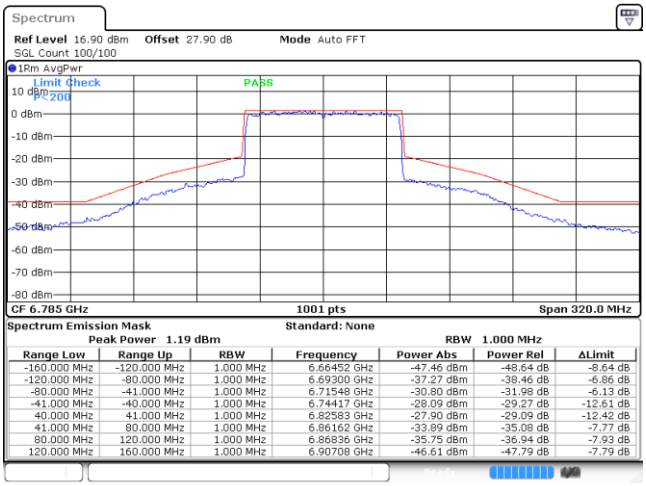
Plot on Channel 6785MHz

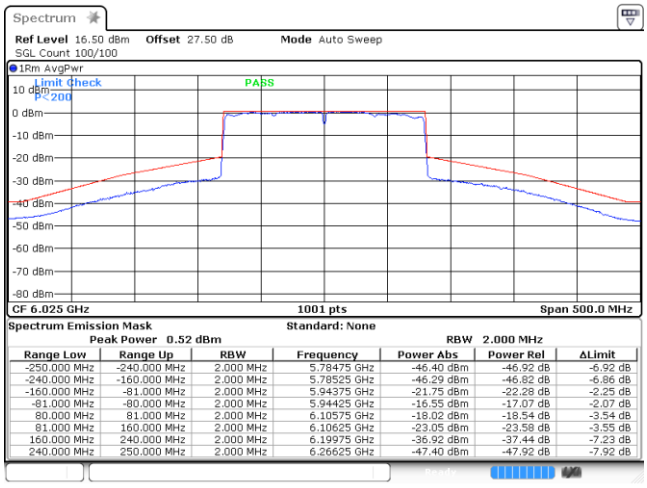


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.66452 GHz	-47.46 dBm	-48.64 dB	-8.64 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.69300 GHz	-37.27 dBm	-38.46 dB	-6.86 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.71548 GHz	-30.80 dBm	-31.98 dB	-6.13 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.74417 GHz	-28.09 dBm	-29.27 dB	-12.61 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.82583 GHz	-27.90 dBm	-29.09 dB	-12.42 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.86162 GHz	-33.89 dBm	-35.08 dB	-7.77 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.86836 GHz	-35.75 dBm	-36.94 dB	-7.93 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.90708 GHz	-46.61 dBm	-47.79 dB	-7.79 dB

Date: 16.NOV.2022 15:21:12

EUT Mode :	802.11ax HE160 Full RU

Plot on Channel 6025MHz



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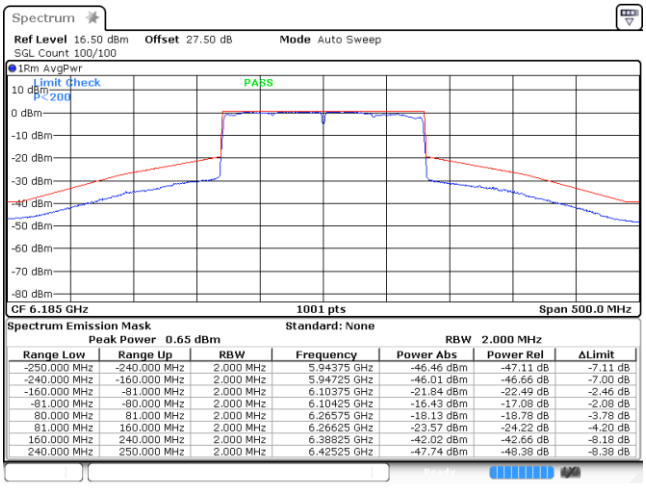
Plot on Channel 6185MHz



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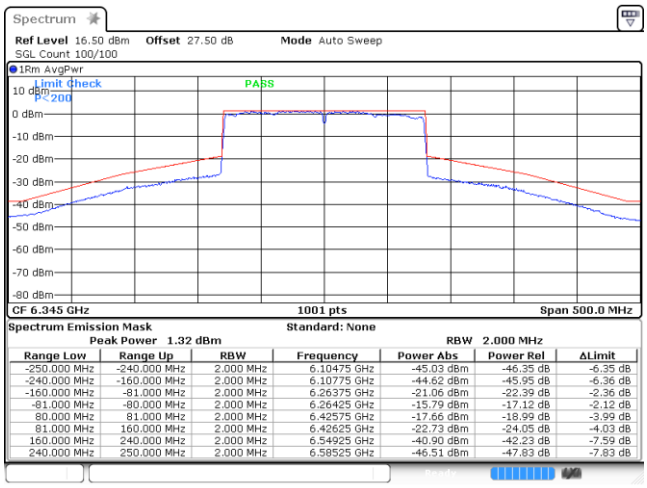
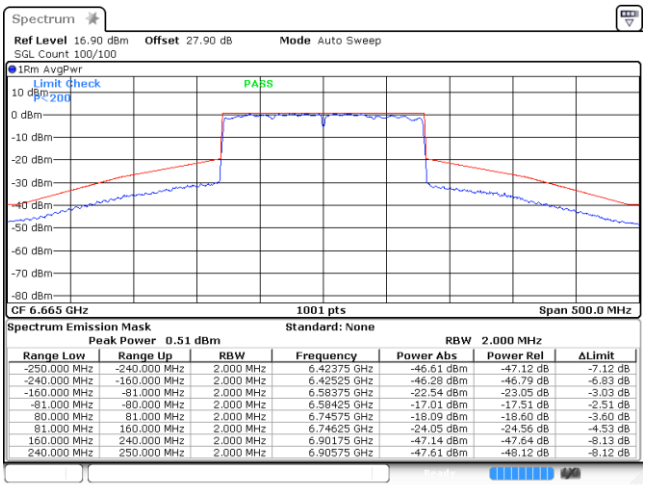
Plot on Channel 6345MHz



Date: 18.NOV.2022 17:09:05

Plot on Channel 6665MHz



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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

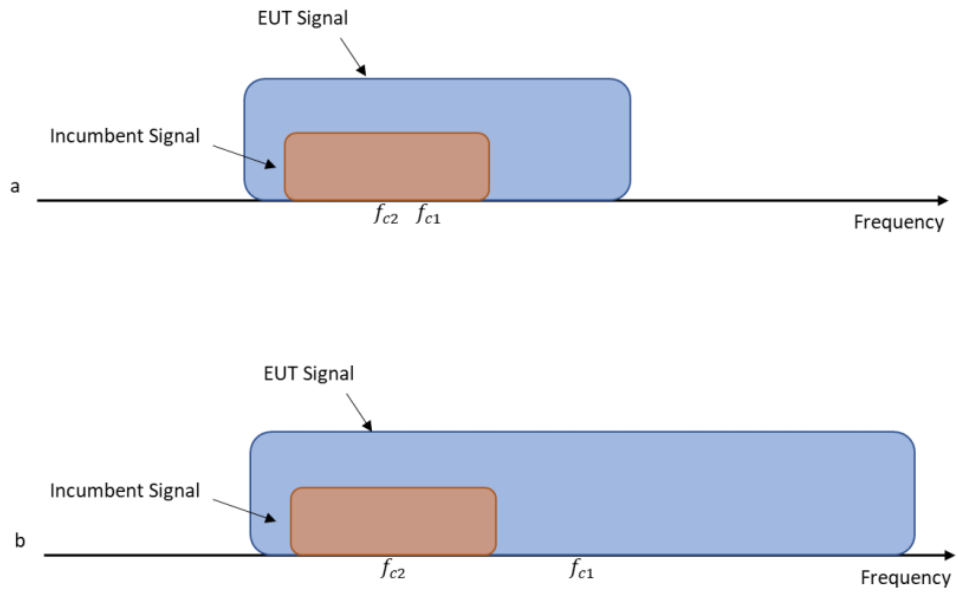


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

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

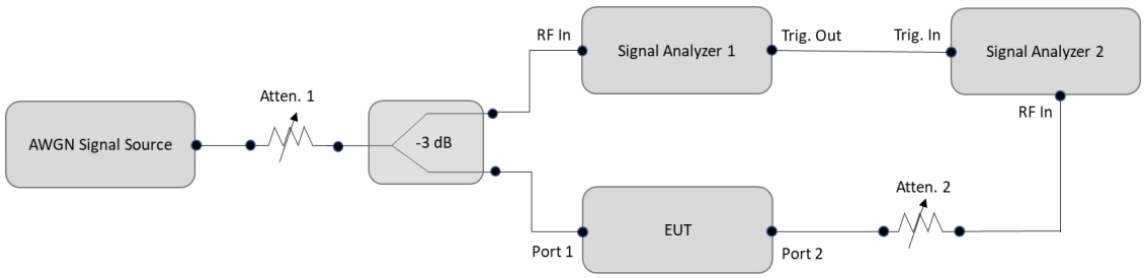


Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

3.5.5 Support Unit used in test configuration and system

Remark: The CBP test result has been done in the original filing FR0D2942-05G report.

3.5.6 Test Summary of Contention Based Protocol Test

Remark: The CBP test result has been done in the original filing FR0D2942-05G report.

3.5.7 Test Plots of Contention Based Protocol Test

Remark: The CBP test result has been done in the original filing FR0D2942-05G report.

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

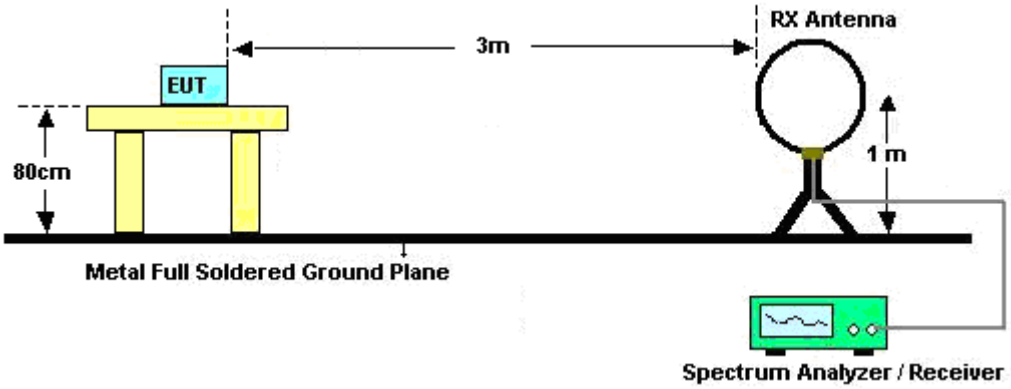
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

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 "-".

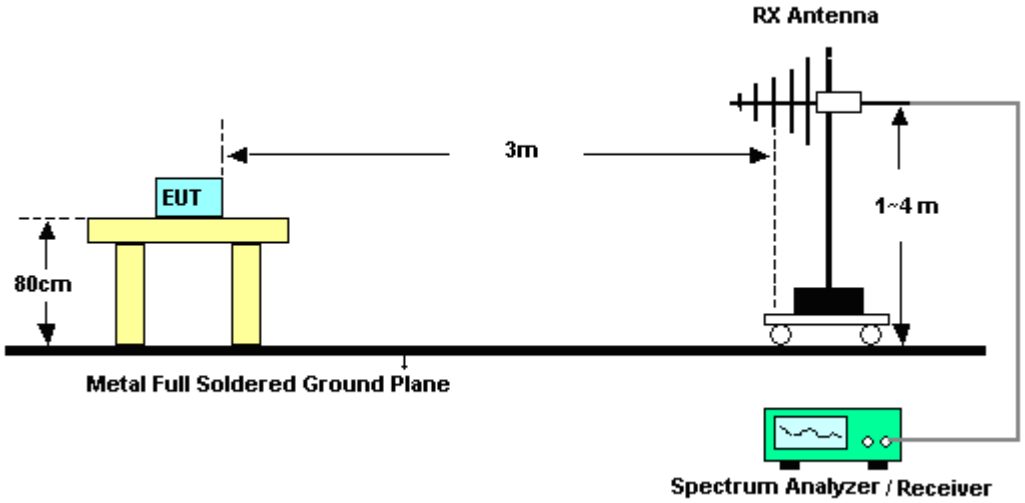
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with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

3.6.4 Test Setup

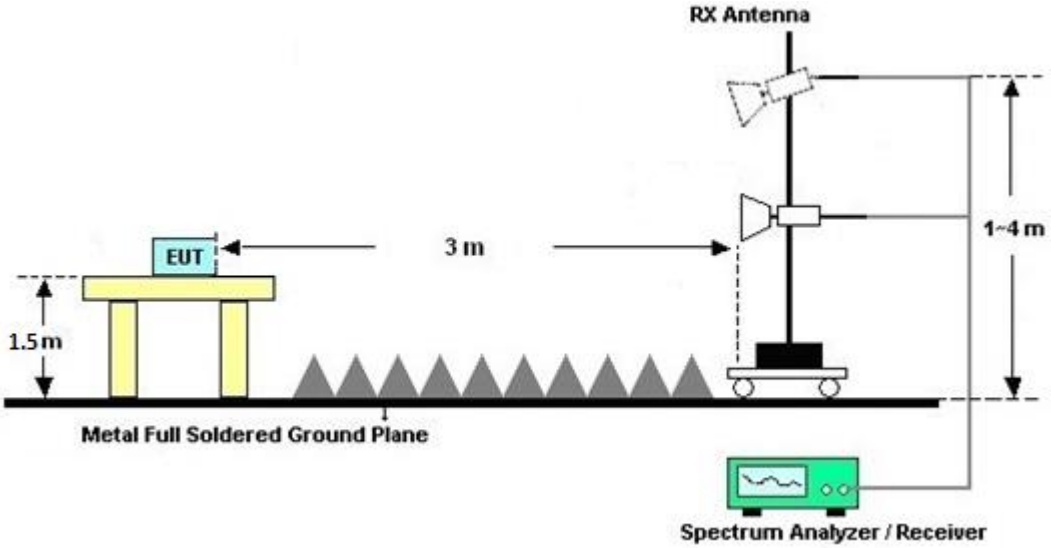
For radiated emissions below 30MHz



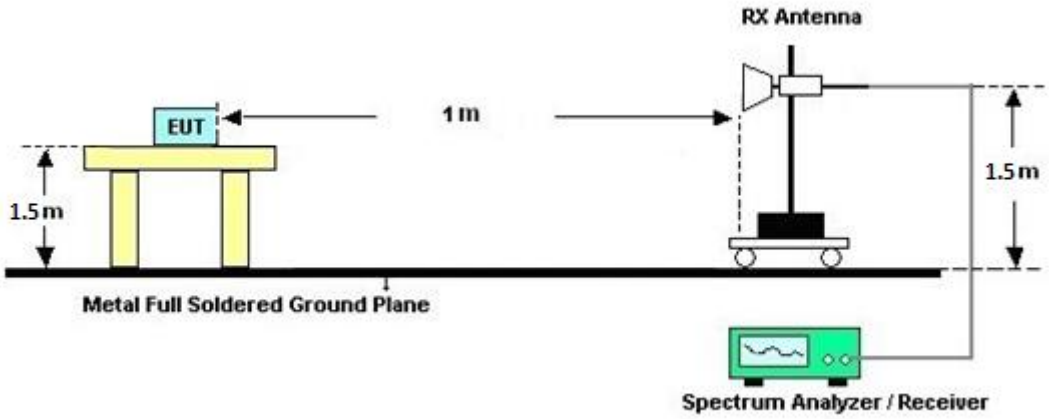
For radiated emissions from 30MHz to 1GHz



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.

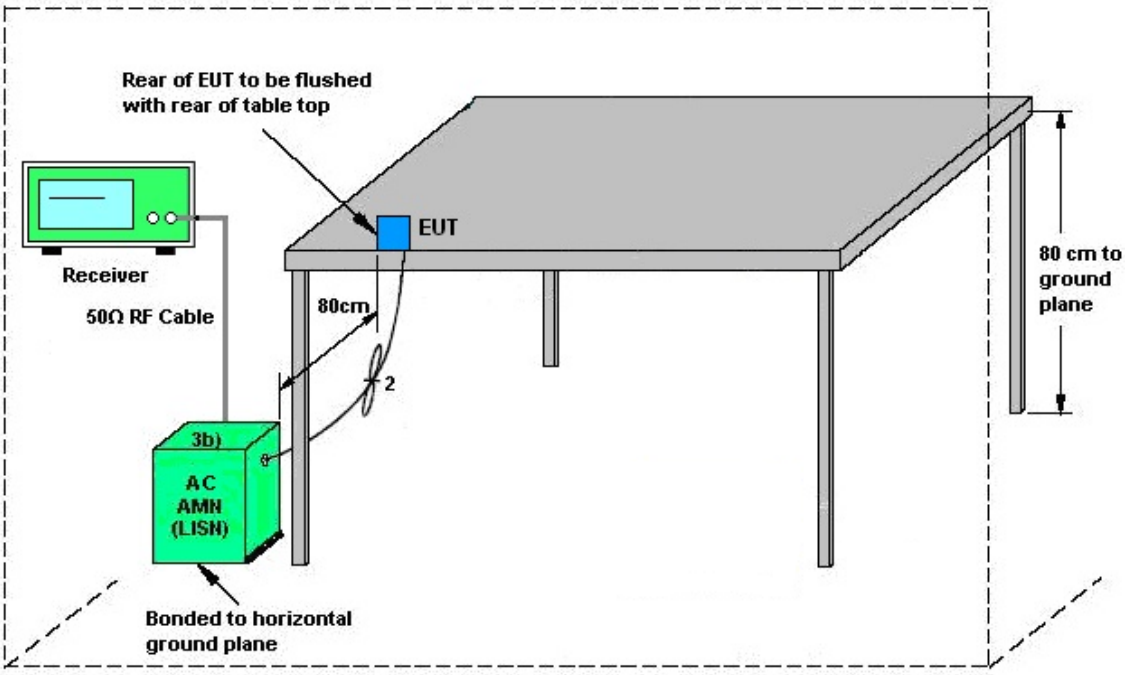
3.7.2 Measuring Instruments

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 Standard Applicable

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

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Nov. 05, 2022~ Nov. 15, 2022	Sep. 19, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Nov. 05, 2022~ Nov. 15, 2022	Jun. 27, 2023	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 30, 2021	Nov. 05, 2022~ Nov. 15, 2022	Nov. 29, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 15, 2022	Mar. 09, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 08, 2022	Nov. 05, 2022~ Nov. 15, 2022	Oct. 07, 2023	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2021	Nov. 05, 2022~ Nov. 15, 2022	Dec. 14, 2022	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 07, 2022	Nov. 05, 2022~ Nov. 15, 2022	Mar. 06, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	805935/4	N/A	Aug. 09, 2022	Nov. 05, 2022~ Nov. 15, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	802434/4	N/A	Aug. 09, 2022	Nov. 05, 2022~ Nov. 15, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	N/A	Aug. 09, 2022	Nov. 05, 2022~ Nov. 15, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 04, 2022	Nov. 05, 2022~ Nov. 15, 2022	Jul. 03, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 27, 2021	Nov. 05, 2022~ Nov. 15, 2022	Dec. 26, 2022	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Nov. 05, 2022~ Nov. 15, 2022	Dec. 08, 2022	Radiation (03CH16-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 05, 2022~ Nov. 15, 2022	N/A	Radiation (03CH16-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 05, 2022~ Nov. 15, 2022	N/A	Radiation (03CH16-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 05, 2022~ Nov. 15, 2022	N/A	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Nov. 05, 2022~ Nov. 15, 2022	N/A	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP200735	N/A	Mar. 22, 2022	Nov. 15, 2022~ Dec. 15, 2022	Mar. 21, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-2101 002(NO:123)	10MHz~8GHz	Jan. 13, 2022	Nov. 15, 2022~ Dec. 15, 2022	Jan. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz (amp)	Aug. 03, 2022	Nov. 15, 2022~ Dec. 15, 2022	Aug. 02, 2023	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jun. 29, 2021	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 29, 2021	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 02, 2020	Jun. 29, 2021	Nov. 01, 2021	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 17, 2021	Jun. 29, 2021	Mar. 16, 2022	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 01, 2021	Jun. 29, 2021	Jan. 31, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Jun. 29, 2021	Sep. 10, 2021	Conduction (CO07-HY)
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Jan. 11, 2021	Jul. 12, 2021~ Jul. 13, 2021	Jan. 10, 2022	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	Apr. 20, 2021	Jul. 12, 2021~ Jul. 13, 2021	Apr. 19, 2022	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A1	0.5GHz-18GHz	Calibration from System	Jul. 12, 2021~ Jul. 13, 2021	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A2	0.5GHz-18GHz	Calibration from System	Jul. 12, 2021~ Jul. 13, 2021	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A1	0.5-18GHz	Calibration from System	Jul. 12, 2021~ Jul. 13, 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	Jul. 12, 2021~ Jul. 13, 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	Mar. 31, 2022	Calibration from System	CBP (DF02-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 29, 2020	Jun. 11, 2021~ Jul. 07, 2021	Sep. 28, 2021	Duty Cycle (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 10, 2020	Jun. 11, 2021~ Jul. 07, 2021	Dec. 09, 2021	Duty Cycle (03CH16-HY)
EMI Test Receiver	Keysight	N9010B	MY60240520	3Hz ~40GHz	Dec. 02, 2020	Jun. 11, 2021~ Jul. 07, 2021	Dec. 01, 2021	Duty Cycle (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 29, 2020	Jun. 11, 2021~ Jul. 07, 2021	Aug. 28, 2021	Duty Cycle (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 29, 2020	Jun. 11, 2021~ Jul. 07, 2021	Aug. 28, 2021	Duty Cycle (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 29, 2020	Jun. 11, 2021~ Jul. 07, 2021	Aug. 28, 2021	Duty Cycle (03CH16-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.2 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.6 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	ERIC WU	Temperature:	21~25	°C
Test Date:	2022/11/15~2022/12/15	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	001	5955	17.53	17.43	29.80	27.95	320.00	Pass
11a	6Mbps	2	049	6195	17.98	17.38	33.80	30.70	320.00	Pass
11a	6Mbps	2	093	6415	17.58	17.13	30.75	25.25	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	19.80	20.20	23.01	-0.10		22.91	30.00	Pass
11a	6Mbps	2	049	6195	20.10	20.40	23.26	-0.10		23.16	30.00	Pass
11a	6Mbps	2	093	6415	19.80	19.90	22.86	-0.10		22.76	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	0.29	0.30			10.69	2.47		13.17	17.00	Pass
11a	6Mbps	2	049	6195	0.29	0.30			10.94	2.47		13.41	17.00	Pass
11a	6Mbps	2	093	6415	0.29	0.30			10.46	2.47		12.93	17.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	117	6535	17.43	17.28	25.40	26.15	320.00	Pass
11a	6Mbps	2	149	6695	17.33	17.18	25.45	24.35	320.00	Pass
11a	6Mbps	2	181	6855	17.33	17.28	25.50	27.65	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	117	6535	20.30	20.20	23.26	-1.40		21.86	30.00	Pass
11a	6Mbps	2	149	6695	19.60	20.00	22.81	-1.40		21.41	30.00	Pass
11a	6Mbps	2	181	6855	19.10	19.60	22.37	-1.40		20.97	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	117	6535	0.29	0.30			10.75	1.56		12.31	17.00	Pass
11a	6Mbps	2	149	6695	0.29	0.30			10.48	1.56		12.04	17.00	Pass
11a	6Mbps	2	181	6855	0.29	0.30			10.10	1.56		11.66	17.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	001	5955	Full	19.28	19.28	26.65	28.25	320.00	Pass
HE20	MCS0	2	049	6195	Full	19.43	19.33	34.75	30.00	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.48	19.33	37.70	28.45	320.00	Pass
HE40	MCS0	2	003	5965	Full	38.16	37.96	56.25	43.83	320.00	Pass
HE40	MCS0	2	051	6205	Full	38.26	38.06	56.70	44.91	320.00	Pass
HE40	MCS0	2	091	6405	Full	38.16	38.06	54.18	44.55	320.00	Pass
HE80	MCS0	2	007	5985	Full	77.44	77.08	111.52	105.12	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.20	77.20	100.32	95.04	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.08	77.20	90.40	88.80	320.00	Pass
HE160	MCS0	2	015	6025	Full	157.04	156.56	226.56	256.32	320.00	Pass
HE160	MCS0	2	047	6185	Full	156.80	156.80	179.52	186.24	320.00	Pass
HE160	MCS0	2	079	6345	Full	157.04	156.80	242.24	201.92	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	19.80	19.80	22.81	-0.10		22.71	30.00	Pass
HE20	MCS0	2	001	5955	26/0	9.50	10.50	13.04	-0.10		12.94	30.00	Pass
HE20	MCS0	2	001	5955	52/37	12.50	12.90	15.71	-0.10		15.61	30.00	Pass
HE20	MCS0	2	001	5955	106/53	15.50	15.90	18.71	-0.10		18.61	30.00	Pass
HE20	MCS0	2	049	6195	Full	20.00	20.40	23.21	-0.10		23.11	30.00	Pass
HE20	MCS0	2	049	6195	26/4	10.90	11.70	14.33	-0.10		14.23	30.00	Pass
HE20	MCS0	2	049	6195	52/38	12.90	13.40	16.17	-0.10		16.07	30.00	Pass
HE20	MCS0	2	049	6195	106/53	15.40	16.10	18.77	-0.10		18.67	30.00	Pass
HE20	MCS0	2	093	6415	Full	20.20	20.10	23.16	-0.10		23.06	30.00	Pass
HE20	MCS0	2	093	6415	26/8	10.90	11.00	13.96	-0.10		13.86	30.00	Pass
HE20	MCS0	2	093	6415	52/40	13.50	13.40	16.46	-0.10		16.36	30.00	Pass
HE20	MCS0	2	093	6415	106/54	16.60	16.80	19.71	-0.10		19.61	30.00	Pass
HE40	MCS0	2	003	5965	Full	19.40	19.60	22.51	-0.10		22.41	30.00	Pass
HE40	MCS0	2	051	6205	Full	19.20	19.40	22.31	-0.10		22.21	30.00	Pass
HE40	MCS0	2	091	6405	Full	19.50	19.40	22.46	-0.10		22.36	30.00	Pass
HE80	MCS0	2	007	5985	Full	19.20	19.50	22.36	-0.10		22.26	30.00	Pass
HE80	MCS0	2	055	6225	Full	19.00	19.80	22.43	-0.10		22.33	30.00	Pass
HE80	MCS0	2	087	6385	Full	18.80	19.40	22.12	-0.10		22.02	30.00	Pass
HE160	MCS0	2	015	6025	Full	19.00	19.30	22.16	-0.10		22.06	30.00	Pass
HE160	MCS0	2	047	6185	Full	18.50	19.10	21.82	-0.10		21.72	30.00	Pass
HE160	MCS0	2	079	6345	Full	18.90	19.60	22.27	-0.10		22.17	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	0.21	0.21			9.93	2.47		12.41	17.00	Pass
HE20	MCS0	2	001	5955	26/0	0.48	0.48			9.86	2.47		12.33	17.00	Pass
HE20	MCS0	2	001	5955	52/37	0.52	0.52			9.80	2.47		12.27	17.00	Pass
HE20	MCS0	2	001	5955	106/53	0.58	0.58			9.36	2.47		11.83	17.00	Pass
HE20	MCS0	2	049	6195	Full	0.21	0.21			10.80	2.47		13.27	17.00	Pass
HE20	MCS0	2	049	6195	26/4	0.48	0.48			10.12	2.47		12.59	17.00	Pass
HE20	MCS0	2	049	6195	52/38	0.52	0.52			10.19	2.47		12.66	17.00	Pass
HE20	MCS0	2	049	6195	106/53	0.58	0.58			10.03	2.47		12.50	17.00	Pass
HE20	MCS0	2	093	6415	Full	0.21	0.21			10.96	2.47		13.43	17.00	Pass
HE20	MCS0	2	093	6415	26/8	0.48	0.48			10.62	2.47		13.09	17.00	Pass
HE20	MCS0	2	093	6415	52/40	0.52	0.52			10.30	2.47		12.77	17.00	Pass
HE20	MCS0	2	093	6415	106/54	0.58	0.58			10.74	2.47		13.21	17.00	Pass
HE40	MCS0	2	003	5965	Full	0.34	0.34			7.82	2.47		10.29	17.00	Pass
HE40	MCS0	2	051	6205	Full	0.34	0.34			7.75	2.47		10.22	17.00	Pass
HE40	MCS0	2	091	6405	Full	0.34	0.34			7.59	2.47		10.06	17.00	Pass
HE80	MCS0	2	007	5985	Full	0.65	0.65			4.92	2.47		7.39	17.00	Pass
HE80	MCS0	2	055	6225	Full	0.65	0.65			5.06	2.47		7.53	17.00	Pass
HE80	MCS0	2	087	6385	Full	0.65	0.65			4.87	2.47		7.35	17.00	Pass
HE160	MCS0	2	015	6025	Full	0.65	0.65			1.44	2.47		3.91	17.00	Pass
HE160	MCS0	2	047	6185	Full	0.65	0.65			0.95	2.47		3.43	17.00	Pass
HE160	MCS0	2	079	6345	Full	0.65	0.65			1.34	2.47		3.81	17.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	117	6535	Full	19.38	19.38	33.90	37.50	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.33	19.28	28.35	31.30	320.00	Pass
HE20	MCS0	2	181	6855	Full	19.33	19.38	32.80	34.65	320.00	Pass
HE40	MCS0	2	123	6565	Full	38.06	38.06	41.31	42.21	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.96	37.96	46.80	50.13	320.00	Pass
HE40	MCS0	2	179	6845	Full	37.86	38.06	42.84	39.87	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.32	77.20	86.40	81.92	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.20	77.08	83.68	81.92	320.00	Pass
HE80	MCS0	2	167	6785	Full	77.32	77.20	84.16	82.24	320.00	Pass
HE160	MCS0	2	143	6665	Full	156.56	156.56	165.76	165.76	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	20.70	20.50	23.61	-1.40		22.21	30.00	Pass
HE20	MCS0	2	117	6535	26/0	11.70	11.90	14.81	-1.40		13.41	30.00	Pass
HE20	MCS0	2	117	6535	52/37	14.60	14.70	17.66	-1.40		16.26	30.00	Pass
HE20	MCS0	2	117	6535	106/53	17.20	17.50	20.36	-1.40		18.96	30.00	Pass
HE20	MCS0	2	149	6695	Full	20.30	20.60	23.46	-1.40		22.06	30.00	Pass
HE20	MCS0	2	149	6695	26/4	11.90	12.60	15.27	-1.40		13.87	30.00	Pass
HE20	MCS0	2	149	6695	52/38	14.30	14.60	17.46	-1.40		16.06	30.00	Pass
HE20	MCS0	2	149	6695	106/53	16.90	17.30	20.11	-1.40		18.71	30.00	Pass
HE20	MCS0	2	181	6855	Full	19.80	20.10	22.96	-1.40		21.56	30.00	Pass
HE20	MCS0	2	181	6855	26/8	10.80	11.30	14.07	-1.40		12.67	30.00	Pass
HE20	MCS0	2	181	6855	52/40	13.50	14.20	16.87	-1.40		15.47	30.00	Pass
HE20	MCS0	2	181	6855	106/54	16.20	17.00	19.63	-1.40		18.23	30.00	Pass
HE40	MCS0	2	123	6565	Full	19.60	19.70	22.66	-1.40		21.26	30.00	Pass
HE40	MCS0	2	147	6685	Full	19.50	19.80	22.66	-1.40		21.26	30.00	Pass
HE40	MCS0	2	179	6845	Full	18.60	19.20	21.92	-1.40		20.52	30.00	Pass
HE80	MCS0	2	135	6625	Full	19.10	18.60	21.87	-1.40		20.47	30.00	Pass
HE80	MCS0	2	151	6705	Full	18.80	18.50	21.66	-1.40		20.26	30.00	Pass
HE80	MCS0	2	167	6785	Full	19.00	19.20	22.11	-1.40		20.71	30.00	Pass
HE160	MCS0	2	143	6665	Full	18.50	19.00	21.77	-1.40		20.37	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

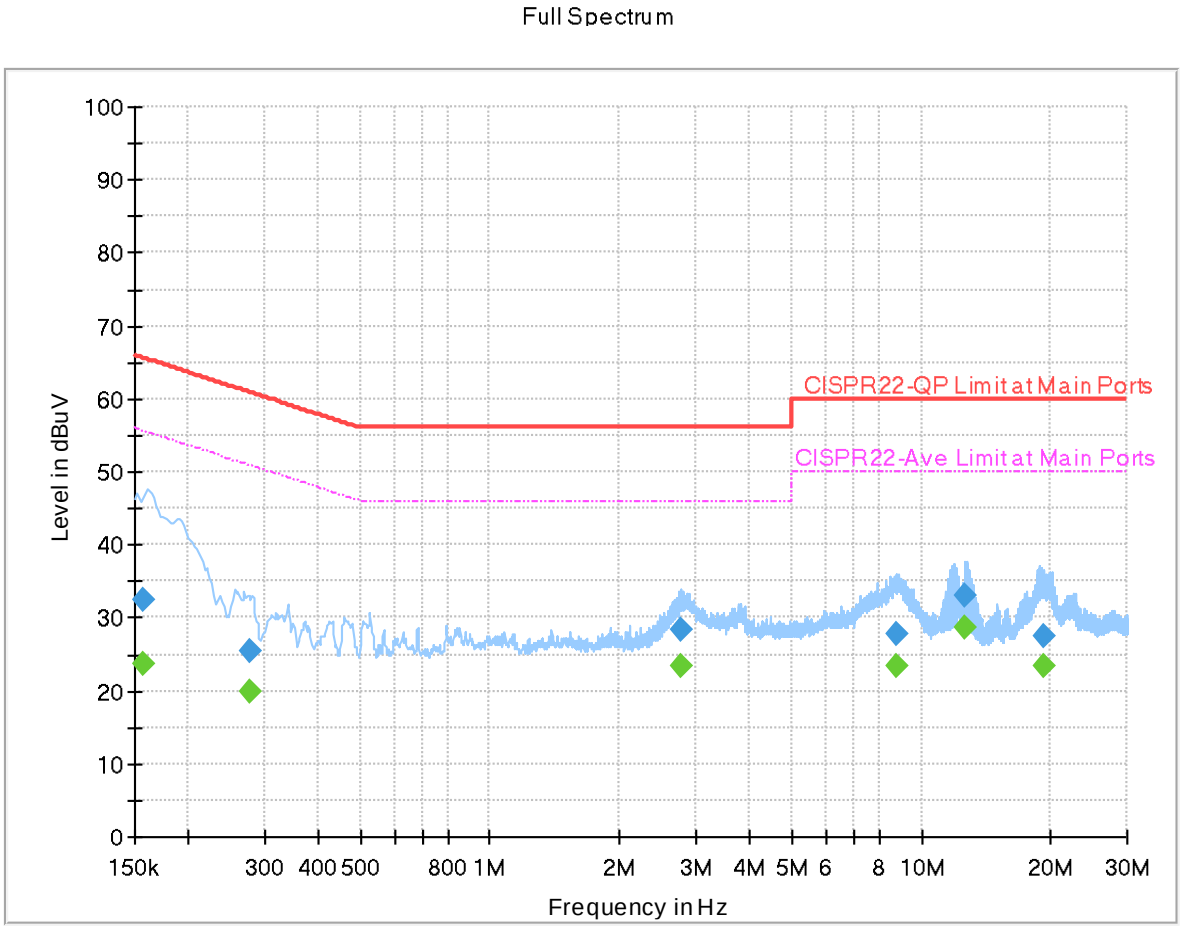
U-NII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	0.21	0.21			11.16	1.56		12.72	17.00	Pass
HE20	MCS0	2	117	6535	26/0	0.48	0.48			11.07	1.56		12.63	17.00	Pass
HE20	MCS0	2	117	6535	52/37	0.52	0.52			10.89	1.56		12.45	17.00	Pass
HE20	MCS0	2	117	6535	106/53	0.58	0.58			10.76	1.56		12.32	17.00	Pass
HE20	MCS0	2	149	6695	Full	0.21	0.21			11.10	1.56		12.66	17.00	Pass
HE20	MCS0	2	149	6695	26/4	0.48	0.48			10.67	1.56		12.23	17.00	Pass
HE20	MCS0	2	149	6695	52/38	0.52	0.52			11.05	1.56		12.61	17.00	Pass
HE20	MCS0	2	149	6695	106/53	0.58	0.58			10.69	1.56		12.25	17.00	Pass
HE20	MCS0	2	181	6855	Full	0.21	0.21			10.71	1.56		12.27	17.00	Pass
HE20	MCS0	2	181	6855	26/8	0.48	0.48			10.54	1.56		12.10	17.00	Pass
HE20	MCS0	2	181	6855	52/40	0.52	0.52			10.42	1.56		11.98	17.00	Pass
HE20	MCS0	2	181	6855	106/54	0.58	0.58			10.37	1.56		11.93	17.00	Pass
HE40	MCS0	2	123	6565	Full	0.34	0.34			7.68	1.56		9.24	17.00	Pass
HE40	MCS0	2	147	6685	Full	0.34	0.34			7.76	1.56		9.32	17.00	Pass
HE40	MCS0	2	179	6845	Full	0.34	0.34			7.15	1.56		8.71	17.00	Pass
HE80	MCS0	2	135	6625	Full	0.65	0.65			4.30	1.56		5.86	17.00	Pass
HE80	MCS0	2	151	6705	Full	0.65	0.65			4.10	1.56		5.66	17.00	Pass
HE80	MCS0	2	167	6785	Full	0.65	0.65			4.57	1.56		6.13	17.00	Pass
HE160	MCS0	2	143	6665	Full	0.65	0.65			0.91	1.56		2.47	17.00	Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

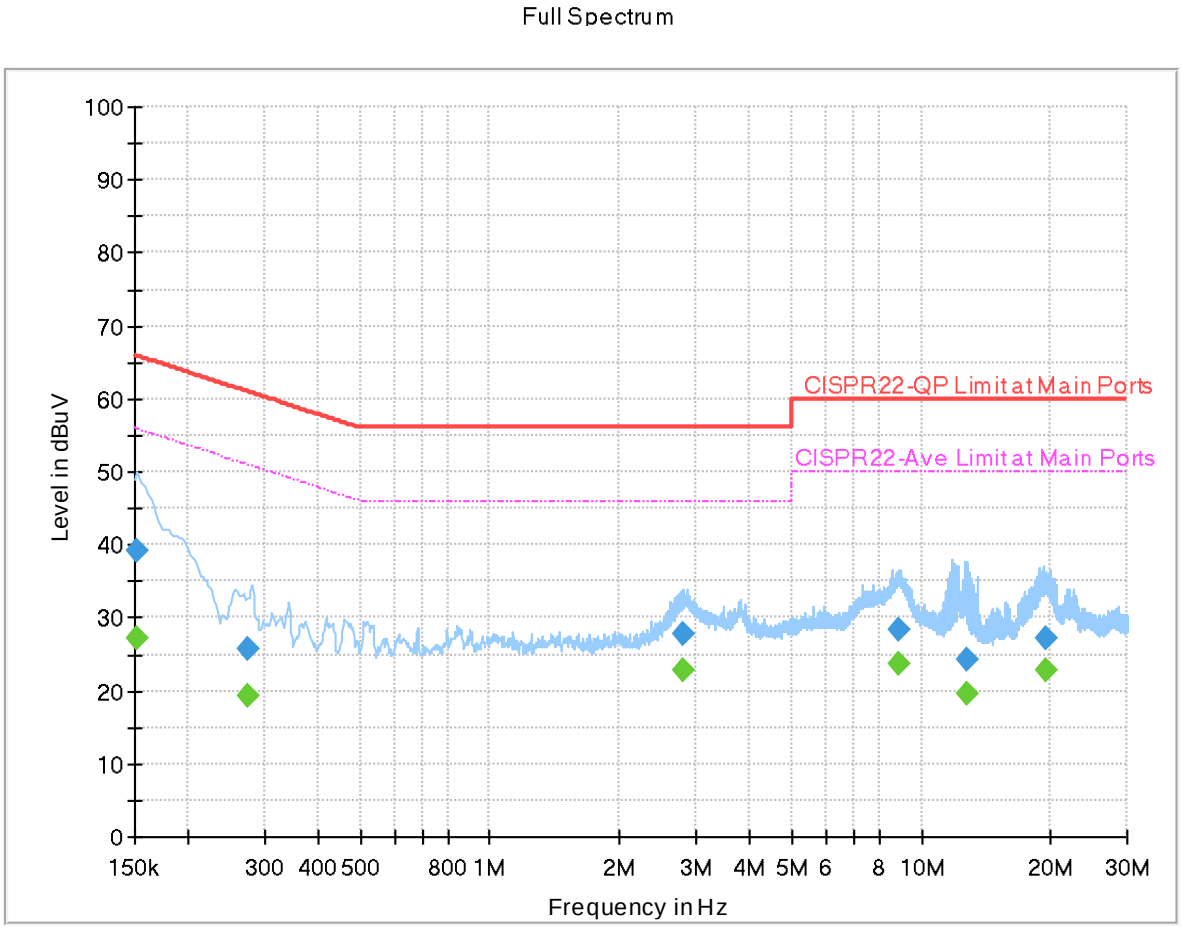


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	32.54	---	65.63	33.09	L1	OFF	20.0
0.156750	---	23.54	55.63	32.09	L1	OFF	20.0
0.277080	25.56	---	60.90	35.34	L1	OFF	20.0
0.277080	---	19.83	50.90	31.07	L1	OFF	20.0
2.763330	28.24	---	56.00	27.76	L1	OFF	20.1
2.763330	---	23.48	46.00	22.52	L1	OFF	20.1
8.800350	27.85	---	60.00	32.15	L1	OFF	20.1
8.800350	---	23.42	50.00	26.58	L1	OFF	20.1
12.682680	32.95	---	60.00	27.05	L1	OFF	20.2
12.682680	---	28.55	50.00	21.45	L1	OFF	20.2
19.239000	27.45	---	60.00	32.55	L1	OFF	20.2
19.239000	---	23.25	50.00	26.75	L1	OFF	20.2

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152363	---	27.11	55.87	28.76	N	OFF	20.0
0.152363	39.14	---	65.87	26.73	N	OFF	20.0
0.275640	---	19.30	50.95	31.65	N	OFF	20.0
0.275640	25.65	---	60.95	35.30	N	OFF	20.0
2.810400	---	22.79	46.00	23.21	N	OFF	20.1
2.810400	27.84	---	56.00	28.16	N	OFF	20.1
8.855250	---	23.73	50.00	26.27	N	OFF	20.1
8.855250	28.42	---	60.00	31.58	N	OFF	20.1
12.754500	---	19.56	50.00	30.44	N	OFF	20.2
12.754500	24.29	---	60.00	35.71	N	OFF	20.2
19.452570	---	22.94	50.00	27.06	N	OFF	20.3
19.452570	27.24	---	60.00	32.76	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5917.48	64.11	-24.09	88.2	47.57	34.3	11.89	29.65	100	311	P	H
		5924.84	51.61	-16.59	68.2	35.07	34.3	11.89	29.65	100	311	A	H
	*	5955	112.6	-	-	96.05	34.28	11.92	29.65	100	311	P	H
	*	5955	104.57	-	-	88.02	34.28	11.92	29.65	100	311	A	H
													H
													H
		5920.04	66.05	-22.15	88.2	49.51	34.3	11.89	29.65	391	137	P	V
		5925	52.94	-15.26	68.2	36.4	34.3	11.89	29.65	391	137	A	V
	*	5955	114.15	-	-	97.6	34.28	11.92	29.65	391	137	P	V
	*	5955	106.19	-	-	89.64	34.28	11.92	29.65	391	137	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 49 6195MHz		5808.375	55.24	-32.96	88.2	39.13	33.93	11.81	29.63	100	306	P	H
		5858.525	44.77	-23.43	68.2	28.43	34.13	11.84	29.63	100	306	A	H
	*	6195	110.69	-	-	94.08	34.2	12.19	29.78	100	306	P	H
	*	6195	103.3	-	-	86.69	34.2	12.19	29.78	100	306	A	H
													H
													H
		5900.175	56.43	-31.77	88.2	39.89	34.3	11.88	29.64	374	135	P	V
		5911.225	45.03	-23.17	68.2	28.49	34.3	11.88	29.64	374	135	A	V
	*	6195	113.27	-	-	96.66	34.2	12.19	29.78	374	135	P	V
	*	6195	104.55	-	-	87.94	34.2	12.19	29.78	374	135	A	V
													V
													V
802.11a CH 93 6415MHz		5915.29	55.5	-32.7	88.2	38.95	34.3	11.89	29.64	102	313	P	H
		5862.4	44.51	-23.69	68.2	28.15	34.15	11.85	29.64	102	313	A	H
	*	6415	111.78	-	-	94.54	34.86	12.31	29.93	102	313	P	H
	*	6415	104.13	-	-	86.89	34.86	12.31	29.93	102	313	A	H
													H
													H
		5908.195	55.4	-32.8	88.2	38.86	34.3	11.88	29.64	363	137	P	V
		5879.815	44.66	-23.54	68.2	28.22	34.22	11.86	29.64	363	137	A	V
	*	6415	113.15	-	-	95.91	34.86	12.31	29.93	363	137	P	V
	*	6415	104.97	-	-	87.73	34.86	12.31	29.93	363	137	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11910	47.32	-26.68	74	57.03	38.83	17.67	66.21	-	-	P	H
		17865	58.36	-15.64	74	60.04	41.85	21.78	65.31	150	312	P	H
		17865	44.19	-9.81	54	45.87	41.85	21.78	65.31	150	312	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 01 5955MHz													H
		11910	47.9	-26.1	74	57.61	38.83	17.67	66.21	-	-	P	V
		17865	64.67	-9.33	74	66.35	41.85	21.78	65.31	150	85	P	V
		17865	48.88	-5.12	54	50.56	41.85	21.78	65.31	150	85	A	V
													V
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													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12390	47.93	-26.07	74	56.66	39.11	18.07	65.91	-	-	P	H
		18585	60.23	-13.77	74	80.89	37.97	-3.08	55.55	150	79	P	H
		18585	49.39	-4.61	54	70.05	37.97	-3.08	55.55	150	79	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 49 6195MHz													H
		12390	47.88	-26.12	74	56.61	39.11	18.07	65.91	-	-	P	V
		18585	63.45	-10.55	74	84.11	37.97	-3.08	55.55	150	341	P	V
		18585	50.44	-3.56	54	71.1	37.97	-3.08	55.55	150	341	A	V
													V
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													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12830	50.1	-38.1	88.2	57.54	39.83	18.45	65.72	-	-	P	H
		19245	64.99	-9.01	74	84.92	38.1	-2.83	55.2	150	356	P	H
		19245	50.01	-3.99	54	69.94	38.1	-2.83	55.2	150	356	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 93 6415MHz		12830	52.23	-35.97	88.2	59.67	39.83	18.45	65.72	-	-	P	V
		19245	60.89	-13.11	74	80.82	38.1	-2.83	55.2	150	353	P	V
		19245	46.99	-7.01	54	66.92	38.1	-2.83	55.2	150	353	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 5 5925~6425MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5911.72	66.99	-21.21	88.2	50.45	34.3	11.88	29.64	311	69	P	H
		5924.84	54.34	-13.86	68.2	37.8	34.3	11.89	29.65	311	69	A	H
	*	5955	110.18	-	-	93.63	34.28	11.92	29.65	311	69	P	H
	*	5955	103.1	-	-	86.55	34.28	11.92	29.65	311	69	A	H
802.11ax													H
HE20 Full													H
CH 01		5924.2	67.44	-20.76	88.2	50.9	34.3	11.89	29.65	343	117	P	V
5955MHz		5925	54.6	-13.6	68.2	38.06	34.3	11.89	29.65	343	117	A	V
	*	5955	111.37	-	-	94.82	34.28	11.92	29.65	343	117	P	V
	*	5955	103.8	-	-	87.25	34.28	11.92	29.65	343	117	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5900.6	56.47	-31.73	88.2	39.93	34.3	11.88	29.64	302	67	P	H
		5896.775	44.95	-23.25	68.2	28.43	34.29	11.87	29.64	302	67	A	H
	*	6195	113.33	-	-	96.72	34.2	12.19	29.78	302	67	P	H
	*	6195	102.59	-	-	85.98	34.2	12.19	29.78	302	67	A	H
802.11ax													H
HE20 Full													H
CH 49		5890.825	55.97	-32.23	88.2	39.48	34.26	11.87	29.64	347	140	P	V
6195MHz		5871.275	45.09	-23.11	68.2	28.69	34.19	11.85	29.64	347	140	A	V
	*	6195	113.68	-	-	97.07	34.2	12.19	29.78	347	140	P	V
	*	6195	102.68	-	-	86.07	34.2	12.19	29.78	347	140	A	V
													V
													V
		5839.18	56.47	-31.73	88.2	40.21	34.06	11.83	29.63	300	77	P	H
		5915.935	44.46	-23.74	68.2	27.91	34.3	11.89	29.64	300	77	A	H
	*	6415	111.86	-	-	94.62	34.86	12.31	29.93	300	77	P	H
	*	6415	100.84	-	-	83.6	34.86	12.31	29.93	300	77	A	H
802.11ax													H
HE20 Full													H
CH 93		5897.23	55.6	-32.6	88.2	39.08	34.29	11.87	29.64	350	135	P	V
6415MHz		5915.29	44.53	-23.67	68.2	27.98	34.3	11.89	29.64	350	135	A	V
	*	6415	113.07	-	-	95.83	34.86	12.31	29.93	350	135	P	V
	*	6415	103.05	-	-	85.81	34.86	12.31	29.93	350	135	A	V
													V
													V

Remark

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

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11912	47.67	-26.33	74	57.37	38.84	17.67	66.21	-	-	P	H
		17865	59.85	-14.15	74	61.53	41.85	21.78	65.31	100	303	P	H
		17865	44.83	-9.17	54	46.51	41.85	21.78	65.31	100	303	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 01		11910	47.7	-26.3	74	57.41	38.83	17.67	66.21	-	-	P	V
5955MHz		17865	65	-9	74	66.68	41.85	21.78	65.31	100	86	P	V
		17865	50.27	-3.73	54	51.95	41.85	21.78	65.31	100	86	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12390	47.44	-26.56	74	56.17	39.11	18.07	65.91	-	-	P	H
		18585	62.41	-11.59	74	83.07	37.97	-3.08	55.55	150	265	P	H
		18585	48.73	-5.27	54	69.39	37.97	-3.08	55.55	150	265	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 49		12390	47.99	-26.01	74	56.72	39.11	18.07	65.91	-	-	P	V
6195MHz		18585	63.62	-10.38	74	84.28	37.97	-3.08	55.55	150	343	P	V
		18585	49.2	-4.8	54	69.86	37.97	-3.08	55.55	150	343	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12830	49.35	-38.85	88.2	56.79	39.83	18.45	65.72	-	-	P	H
		19245	62.67	-11.33	74	82.6	38.1	-2.83	55.2	150	355	P	H
		19245	50.08	-3.92	54	70.01	38.1	-2.83	55.2	150	355	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 93		12830	52.17	-36.03	88.2	59.61	39.83	18.45	65.72	-	-	P	V
6415MHz		19245	61.16	-12.84	74	81.09	38.1	-2.83	55.2	150	355	P	V
		19245	47.96	-6.04	54	67.89	38.1	-2.83	55.2	150	355	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 5 5925~6425MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5923.24	73.72	-14.48	88.2	57.18	34.3	11.89	29.65	310	69	P	H
		5924.84	63.66	-4.54	68.2	47.12	34.3	11.89	29.65	310	69	A	H
	*	5965	111.08	-	-	94.57	34.24	11.92	29.65	310	69	P	H
	*	5965	100.38	-	-	83.87	34.24	11.92	29.65	310	69	A	H
802.11ax													H
HE40 Full													H
CH 03		5924.2	74.77	-13.43	88.2	58.23	34.3	11.89	29.65	344	120	P	V
5965MHz		5925	63.59	-4.61	68.2	47.05	34.3	11.89	29.65	344	120	A	V
	*	5965	110.03	-	-	93.52	34.24	11.92	29.65	344	120	P	V
	*	5965	99.75	-	-	83.24	34.24	11.92	29.65	344	120	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5846.625	55.46	-32.74	88.2	39.17	34.09	11.83	29.63	300	68	P	H
		5912.925	44.94	-23.26	68.2	28.4	34.3	11.88	29.64	300	68	A	H
	*	6205	108.85	-	-	92.22	34.22	12.2	29.79	300	68	P	H
	*	6205	98.84	-	-	82.21	34.22	12.2	29.79	300	68	A	H
802.11ax													H
HE40 Full													H
CH 51		5919.725	55.23	-32.97	88.2	38.69	34.3	11.89	29.65	372	141	P	V
6205MHz		5916.75	45.06	-23.14	68.2	28.52	34.3	11.89	29.65	372	141	A	V
	*	6205	110.28	-	-	93.65	34.22	12.2	29.79	372	141	P	V
	*	6205	99.38	-	-	82.75	34.22	12.2	29.79	372	141	A	V
													V
													V
		5862.4	56.7	-31.5	88.2	40.34	34.15	11.85	29.64	300	78	P	H
		5887.555	44.43	-23.77	68.2	27.95	34.25	11.87	29.64	300	78	A	H
	*	6405	106.55	-	-	89.36	34.82	12.29	29.92	300	78	P	H
	*	6405	96.61	-	-	79.42	34.82	12.29	29.92	300	78	A	H
802.11ax													H
HE40 Full													H
CH 91		5912.71	56.06	-32.14	88.2	39.52	34.3	11.88	29.64	348	132	P	V
6405MHz		5874.655	44.43	-23.77	68.2	28.01	34.2	11.86	29.64	348	132	A	V
	*	6405	109.8	-	-	92.61	34.82	12.29	29.92	348	132	P	V
	*	6405	99.39	-	-	82.2	34.82	12.29	29.92	348	132	A	V
													V
													V

Remark

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

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11930	46.53	-27.47	74	56.17	38.89	17.68	66.21	-	-	P	H
		17895	52.02	-21.98	74	53.34	42.15	21.79	65.26	100	314	P	H
		17895	42.7	-11.3	54	44.02	42.15	21.79	65.26	100	314	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 03		11930	46.39	-27.61	74	56.03	38.89	17.68	66.21	-	-	P	V
5965MHz		17895	57.64	-16.36	74	58.96	42.15	21.79	65.26	100	86	P	V
		17895	45.36	-8.64	54	46.68	42.15	21.79	65.26	100	86	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12410	45.41	-28.59	74	54.12	39.1	18.09	65.9	-	-	P	H
		18615	56.75	-17.25	74	77.34	37.99	-3.05	55.53	150	75	P	H
		18615	43.55	-10.45	54	64.14	37.99	-3.05	55.53	150	75	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 51		12410	45.45	-28.55	74	54.16	39.1	18.09	65.9	-	-	P	V
6205MHz		18615	57.19	-16.81	74	77.78	37.99	-3.05	55.53	150	342	P	V
		18615	44.08	-9.92	54	64.67	37.99	-3.05	55.53	150	342	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12810	48.3	-39.9	88.2	55.78	39.81	18.44	65.73	-	-	P	H
		19215	56.96	-17.04	74	76.89	38.09	-2.81	55.21	150	355	P	H
		19215	44.45	-9.55	54	64.38	38.09	-2.81	55.21	150	355	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 91		12810	49.25	-38.95	88.2	56.73	39.81	18.44	65.73	-	-	P	V
6405MHz		19215	47.18	-26.82	74	67.11	38.09	-2.81	55.21	-	-	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.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 5 5925~6425MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5922.6	75.61	-12.59	88.2	59.07	34.3	11.89	29.65	311	69	P	H
		5920.36	64.67	-3.53	68.2	48.13	34.3	11.89	29.65	311	69	A	H
	*	5985	107.17	-	-	90.73	34.16	11.94	29.66	311	69	P	H
	*	5985	97.66	-	-	81.22	34.16	11.94	29.66	311	69	A	H
802.11ax													H
HE80 Full													H
CH 07		5921.96	74.28	-13.92	88.2	57.74	34.3	11.89	29.65	344	116	P	V
5985MHz		5923.24	65.55	-2.65	68.2	49.01	34.3	11.89	29.65	344	116	A	V
	*	5985	107.54	-	-	91.1	34.16	11.94	29.66	344	116	P	V
	*	5985	97.12	-	-	80.68	34.16	11.94	29.66	344	116	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5915.475	56.08	-32.12	88.2	39.53	34.3	11.89	29.64	300	67	P	H
		5921.425	46.5	-21.7	68.2	29.96	34.3	11.89	29.65	300	67	A	H
	*	6225	106.2	-	-	89.49	34.3	12.21	29.8	300	67	P	H
	*	6225	96.37	-	-	79.66	34.3	12.21	29.8	300	67	A	H
802.11ax													H
HE80 Full													H
CH 55		5923.975	55.91	-32.29	88.2	39.37	34.3	11.89	29.65	373	140	P	V
6225MHz		5917.175	47.13	-21.07	68.2	30.59	34.3	11.89	29.65	373	140	A	V
	*	6225	108.44	-	-	91.73	34.3	12.21	29.8	373	140	P	V
	*	6225	97.37	-	-	80.66	34.3	12.21	29.8	373	140	P	V
													V
													V
		5918.515	55.8	-32.4	88.2	39.26	34.3	11.89	29.65	296	72	P	H
		5881.75	45.84	-22.36	68.2	29.39	34.23	11.86	29.64	296	72	A	H
	*	6385	104.16	-	-	87.09	34.71	12.27	29.91	296	72	P	H
	*	6385	94.54	-	-	77.47	34.71	12.27	29.91	296	72	A	H
802.11ax													H
HE80 Full													H
CH 87		5912.065	55.56	-32.64	88.2	39.02	34.3	11.88	29.64	383	133	P	V
6385MHz		5870.785	45.68	-22.52	68.2	29.29	34.18	11.85	29.64	383	133	A	V
	*	6385	106.52	-	-	89.45	34.71	12.27	29.91	383	133	P	V
	*	6385	97.1	-	-	80.03	34.71	12.27	29.91	383	133	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. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11970	46.78	-27.22	74	56.26	39.01	17.72	66.21	-	-	P	H
		17955	53.1	-20.9	74	54.08	42.37	21.82	65.17	399	43	P	H
		17955	43.61	-10.39	54	44.59	42.37	21.82	65.17	399	43	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 07		11970	47.33	-26.67	74	56.81	39.01	17.72	66.21	-	-	P	V
5985MHz		17955	56.13	-17.87	74	57.11	42.37	21.82	65.17	100	86	P	V
		17955	44.87	-9.13	54	45.85	42.37	21.82	65.17	100	86	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12450	47.03	-26.97	74	55.67	39.1	18.13	65.87	-	-	P	H
		18675	52.76	-21.24	74	73.2	38.04	-2.99	55.49	150	10	P	H
		18675	41.46	-12.54	54	61.9	38.04	-2.99	55.49	150	10	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 55		12450	45.98	-28.02	74	54.62	39.1	18.13	65.87	-	-	P	V
6225MHz		18675	47.87	-26.13	74	68.31	38.04	-2.99	55.49	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12570	47.49	-26.51	74	55.83	39.24	18.23	65.81	-	-	P	H
		19155	46.37	-27.63	74	66.32	38.06	-2.77	55.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 87		12570	47.88	-26.12	74	56.22	39.24	18.23	65.81	-	-	P	V
6385MHz		19155	44.8	-29.2	74	64.75	38.06	-2.77	55.24	-	-	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.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 5 5925~6425MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5921.96	73.94	-14.26	88.2	57.4	34.3	11.89	29.65	306	69	P	H
		5921.32	64.2	-4	68.2	47.66	34.3	11.89	29.65	306	69	A	H
	*	6025	104.32	-	-	87.87	34.15	11.98	29.68	306	69	P	H
	*	6025	94.86	-	-	78.41	34.15	11.98	29.68	306	69	A	H
802.11ax													H
HE160 Full													H
CH 15		5908.52	75.71	-12.49	88.2	59.17	34.3	11.88	29.64	399	120	P	V
6025MHz		5908.84	66.24	-1.96	68.2	49.7	34.3	11.88	29.64	399	120	A	V
	*	6025	103.11	-	-	86.66	34.15	11.98	29.68	399	120	P	V
	*	6025	94.15	-	-	77.7	34.15	11.98	29.68	399	120	A	V
													V
													V
		5909.95	57.37	-30.83	88.2	40.83	34.3	11.88	29.64	300	68	P	H
		5924.825	47.47	-20.73	68.2	30.93	34.3	11.89	29.65	300	68	A	H
	*	6185	103.01	-	-	86.41	34.2	12.18	29.78	300	68	P	H
	*	6185	93.85	-	-	77.25	34.2	12.18	29.78	300	68	A	H
802.11ax													H
HE160 Full													H
CH 47		5923.55	56.96	-31.24	88.2	40.42	34.3	11.89	29.65	400	128	P	V
6185MHz		5922.275	47.62	-20.58	68.2	31.08	34.3	11.89	29.65	400	128	A	V
	*	6185	104.15	-	-	87.55	34.2	12.18	29.78	400	128	P	V
	*	6185	94.53	-	-	77.93	34.2	12.18	29.78	400	128	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5918.515	55.29	-32.91	88.2	38.75	34.3	11.89	29.65	300	68	P	H
		5918.515	46.28	-21.92	68.2	29.74	34.3	11.89	29.65	300	68	A	H
	*	6345	102.11	-	-	85.24	34.49	12.26	29.88	300	68	P	H
	*	6345	92.86	-	-	75.99	34.49	12.26	29.88	300	68	A	H
802.11ax													H
HE160 Full													H
CH 79		5855.305	55.56	-32.64	88.2	39.23	34.12	11.84	29.63	367	129	P	V
6345MHz		5912.71	46.12	-22.08	68.2	29.58	34.3	11.88	29.64	367	129	A	V
	*	6345	103.48	-	-	86.61	34.49	12.26	29.88	367	129	P	V
	*	6345	94.04	-	-	77.17	34.49	12.26	29.88	367	129	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. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12050	46.93	-27.07	74	56.16	39.15	17.79	66.17	-	-	P	H
		18075	45.92	-28.08	74	67.62	37.62	-3.47	55.85	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 15		12050	47.31	-26.69	74	56.54	39.15	17.79	66.17	-	-	P	V
6025MHz		18075	42.51	-31.49	74	64.21	37.62	-3.47	55.85	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12370	46.08	-27.92	74	54.82	39.13	18.06	65.93	-	-	P	H
		18555	50.66	-23.34	74	71.4	37.94	-3.11	55.57	150	260	P	H
		18555	40.54	-13.46	54	61.28	37.94	-3.11	55.57	150	260	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 47		12370	47.25	-26.75	74	55.99	39.13	18.06	65.93	-	-	P	V
6185MHz		18555	45.59	-28.41	74	66.33	37.94	-3.11	55.57	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12690	47.99	-26.01	74	55.95	39.48	18.33	65.77	-	-	P	H
		19035	52.52	-21.48	74	72.49	38.01	-2.69	55.29	150	133	P	H
		19035	43.69	-10.31	54	63.66	38.01	-2.69	55.29	150	133	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 79		12690	47.93	-26.07	74	55.89	39.48	18.33	65.77	-	-	P	V
6345MHz		19035	45.95	-28.05	74	65.92	38.01	-2.69	55.29	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 7 - 6525~6875MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 117 6535MHz	*	6535	113.31	-	-	95.26	35.51	12.52	29.98	100	304	P	H
	*	6535	105.73	-	-	87.68	35.51	12.52	29.98	100	304	A	H
		7132.2	58.35	-29.85	88.2	38.69	36.69	13.06	30.09	100	304	P	H
		7224.275	49.46	-18.74	68.2	29.41	37.1	13.07	30.12	100	304	A	H
													H
													H
	*	6535	113.37	-	-	95.32	35.51	12.52	29.98	319	135	P	V
	*	6535	106.05	-	-	88	35.51	12.52	29.98	319	135	A	V
		7185.85	59.37	-28.83	88.2	39.46	36.94	13.08	30.11	319	135	P	V
		7211.225	49.71	-18.49	68.2	29.7	37.04	13.08	30.11	319	135	A	V
													V
													V
802.11a CH 149 6695MHz	*	6695	114.94	-	-	96.27	36	12.68	30.01	100	305	P	H
	*	6695	106.97	-	-	88.3	36	12.68	30.01	100	305	A	H
		7209.775	59.5	-28.7	88.2	39.49	37.04	13.08	30.11	100	305	P	H
		7217.75	49.72	-18.48	68.2	29.69	37.07	13.08	30.12	100	305	A	H
													H
													H
	*	6695	113.83	-	-	95.16	36	12.68	30.01	347	133	P	V
	*	6695	106.32	-	-	87.65	36	12.68	30.01	347	133	A	V
		7161.925	58.18	-30.02	88.2	38.36	36.85	13.07	30.1	347	133	P	V
		7126.4	49.75	-18.45	68.2	30.12	36.66	13.06	30.09	347	133	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 181 6855MHz	*	6855	116.14	-	-	97.47	35.9	12.8	30.03	100	304	P	H
	*	6855	108.08	-	-	89.41	35.9	12.8	30.03	100	304	A	H
		7168.45	59.13	-29.07	88.2	39.28	36.87	13.08	30.1	100	304	P	H
		7180.05	49.71	-18.49	68.2	29.81	36.92	13.08	30.1	100	304	A	H
													H
													H
	*	6855	112.66	-	-	93.99	35.9	12.8	30.03	346	135	P	V
	*	6855	105.42	-	-	86.75	35.9	12.8	30.03	346	135	A	V
		7136.55	59.16	-29.04	88.2	39.47	36.72	13.06	30.09	346	135	P	V
		7211.225	49.72	-18.48	68.2	29.71	37.04	13.08	30.11	346	135	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 117 6535MHz		13070	48.09	-40.11	88.2	55.14	39.96	18.66	65.67	-	-	P	H
		19605	64.6	-9.4	74	84.88	37.74	-2.96	55.06	150	357	P	H
		19605	50.64	-3.36	54	70.92	37.74	-2.96	55.06	150	357	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		13070	48.83	-39.37	88.2	55.88	39.96	18.66	65.67	-	-	P	V
		19605	47.17	-26.83	74	67.45	37.74	-2.96	55.06	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13390	47.9	-26.1	74	54.08	40.47	19	65.65	-	-	P	H
		20085	60.35	-13.65	74	80.72	37.6	-3.07	54.9	150	70	P	H
		20085	46.99	-7.01	54	67.36	37.6	-3.07	54.9	150	70	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 149 6695MHz		13390	47.96	-26.04	74	54.14	40.47	19	65.65	-	-	P	V
		20085	57.85	-16.15	74	78.22	37.6	-3.07	54.9	150	328	P	V
		20085	44.86	-9.14	54	65.23	37.6	-3.07	54.9	150	328	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13710	49.67	-38.53	88.2	55.44	40.6	19.32	65.69	-	-	P	H
		20565	62.12	-11.88	74	83.05	37.95	-3.99	54.89	150	157	P	H
		20565	48.8	-5.2	54	69.73	37.95	-3.99	54.89	150	157	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 181 6855MHz		13710	49.61	-38.59	88.2	55.38	40.6	19.32	65.69	-	-	P	V
		20565	60.15	-13.85	74	81.08	37.95	-3.99	54.89	150	342	P	V
		20565	46.99	-7.01	54	67.92	37.95	-3.99	54.89	150	342	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 7 - 6525~6875MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6535	113.65	-	-	95.6	35.51	12.52	29.98	100	310	P	H
	*	6535	104.04	-	-	85.99	35.51	12.52	29.98	100	310	A	H
		7179.325	59.39	-28.81	88.2	39.49	36.92	13.08	30.1	100	310	P	H
		7148.15	50	-18.2	68.2	30.23	36.79	13.07	30.09	100	310	A	H
802.11ax													H
HE20 Full													H
CH 117	*	6535	114.91	-	-	96.86	35.51	12.52	29.98	335	135	P	V
6535MHz	*	6535	104.24	-	-	86.19	35.51	12.52	29.98	335	135	A	V
		7203.25	58.82	-29.38	88.2	38.83	37.01	13.09	30.11	335	135	P	V
		7210.5	49.99	-18.21	68.2	29.98	37.04	13.08	30.11	335	135	A	V
													V
													V
	*	6695	115.18	-	-	96.51	36	12.68	30.01	108	324	P	H
	*	6695	104.59	-	-	85.92	36	12.68	30.01	108	324	P	H
		7182.225	58.99	-29.21	88.2	39.08	36.93	13.08	30.1	108	324	P	H
		7210.5	50	-18.2	68.2	29.99	37.04	13.08	30.11	108	324	A	H
802.11ax													H
HE20 Full													H
CH 149	*	6695	113.12	-	-	94.45	36	12.68	30.01	350	133	P	V
6695MHz	*	6695	103.36	-	-	84.69	36	12.68	30.01	350	133	A	V
		7197.45	59.76	-28.44	88.2	39.79	36.99	13.09	30.11	350	133	P	V
		7204.7	49.99	-18.21	68.2	29.99	37.02	13.09	30.11	350	133	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6855	115.65	-	-	96.98	35.9	12.8	30.03	100	304	P	H
	*	6855	105.47	-	-	86.8	35.9	12.8	30.03	100	304	A	H
		7194.55	60.54	-27.66	88.2	40.58	36.98	13.09	30.11	100	304	P	H
		7219.2	50.25	-17.95	68.2	30.22	37.08	13.07	30.12	100	304	A	H
802.11ax													H
HE20 Full													H
CH 181	*	6855	112.53	-	-	93.86	35.9	12.8	30.03	346	135	P	V
6855MHz	*	6855	102.83	-	-	84.16	35.9	12.8	30.03	346	135	A	V
		7188.025	59.18	-29.02	88.2	39.26	36.95	13.08	30.11	346	135	P	V
		7224.275	49.95	-18.25	68.2	29.9	37.1	13.07	30.12	346	135	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13070	50.21	-37.99	88.2	57.26	39.96	18.66	65.67	-	-	P	H
		19605	61.08	-12.92	74	81.36	37.74	-2.96	55.06	150	356	P	H
		19605	49.86	-4.14	54	70.14	37.74	-2.96	55.06	150	356	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 117		13070	50.6	-37.6	88.2	57.65	39.96	18.66	65.67	-	-	P	V
6535MHz		19605	54.68	-19.32	74	74.96	37.74	-2.96	55.06	150	355	P	V
		19605	41.04	-12.96	54	61.32	37.74	-2.96	55.06	150	355	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13390	47.78	-26.22	74	53.96	40.47	19	65.65	-	-	P	H
		20085	55.6	-18.4	74	75.97	37.6	-3.07	54.9	150	153	P	H
		20085	44.17	-9.83	54	64.54	37.6	-3.07	54.9	150	153	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		13390	47.75	-26.25	74	53.93	40.47	19	65.65	-	-	P	V
6695MHz		20085	57.51	-16.49	74	77.88	37.6	-3.07	54.9	150	327	P	V
		20085	43.72	-10.28	54	64.09	37.6	-3.07	54.9	150	327	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13710	49.28	-38.92	88.2	55.05	40.6	19.32	65.69	-	-	P	H
		20565	60.21	-13.79	74	81.14	37.95	-3.99	54.89	150	156	P	H
		20565	47.19	-6.81	54	68.12	37.95	-3.99	54.89	150	156	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 181		13710	50.2	-38	88.2	55.97	40.6	19.32	65.69	-	-	P	V
6855MHz		20565	58.08	-15.92	74	79.01	37.95	-3.99	54.89	150	340	P	V
		20565	46.29	-7.71	54	67.22	37.95	-3.99	54.89	150	340	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 7 - 6525~6875MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6565	110.62	-	-	92.34	35.69	12.58	29.99	100	319	P	H
	*	6565	100.82	-	-	82.54	35.69	12.58	29.99	100	319	A	H
		7188.75	60.27	-27.93	88.2	40.35	36.95	13.08	30.11	100	319	P	H
		7206.15	49.85	-18.35	68.2	29.85	37.02	13.09	30.11	100	319	A	H
802.11ax													H
HE40 Full													H
CH 123	*	6565	109.75	-	-	91.47	35.69	12.58	29.99	330	138	P	V
6565MHz	*	6565	100.87	-	-	82.59	35.69	12.58	29.99	330	138	A	V
		7174.25	59.54	-28.66	88.2	39.66	36.9	13.08	30.1	330	138	P	V
		7140.9	49.83	-18.37	68.2	30.11	36.75	13.06	30.09	330	138	A	V
													V
													V
	*	6685	111.35	-	-	92.69	36	12.67	30.01	100	306	P	H
	*	6685	101	-	-	82.34	36	12.67	30.01	100	306	A	H
		7187.3	59.2	-29	88.2	39.28	36.95	13.08	30.11	100	306	P	H
		7202.525	50.11	-18.09	68.2	30.12	37.01	13.09	30.11	100	306	A	H
802.11ax													H
HE40 Full													H
CH 147	*	6685	108.77	-	-	90.11	36	12.67	30.01	300	137	P	V
6685MHz	*	6685	99.43	-	-	80.77	36	12.67	30.01	300	137	A	V
		7138	59.47	-28.73	88.2	39.77	36.73	13.06	30.09	300	137	P	V
		7218.475	49.75	-18.45	68.2	29.72	37.07	13.08	30.12	300	137	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6845	111.49	-	-	92.83	35.91	12.78	30.03	100	303	P	H
	*	6845	100.97	-	-	82.31	35.91	12.78	30.03	100	303	A	H
		7212.675	59.38	-28.82	88.2	39.36	37.05	13.08	30.11	100	303	P	H
		7217.025	50.11	-18.09	68.2	30.08	37.07	13.08	30.12	100	303	A	H
802.11ax													H
HE40 Full													H
CH 179	*	6845	107.26	-	-	88.6	35.91	12.78	30.03	342	135	P	V
6845MHz	*	6845	98.14	-	-	79.48	35.91	12.78	30.03	342	135	A	V
		7197.45	59.3	-28.9	88.2	39.33	36.99	13.09	30.11	342	135	P	V
		7161.2	49.93	-18.27	68.2	30.12	36.84	13.07	30.1	342	135	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13130	48.65	-39.55	88.2	55.62	39.96	18.73	65.66	-	-	P	H
		19695	53.59	-20.41	74	73.77	37.78	-2.94	55.02	150	10	P	H
		19695	43.29	-10.71	54	63.47	37.78	-2.94	55.02	150	10	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 123		13130	49.98	-38.22	88.2	56.95	39.96	18.73	65.66	-	-	P	V
6565MHz		19695	42.71	-31.29	74	62.89	37.78	-2.94	55.02	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13370	47.94	-26.06	74	54.22	40.41	18.97	65.66	-	-	P	H
		20056	45.05	-28.95	74	65.37	37.57	-2.99	54.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 147		13370	47.97	-26.03	74	54.25	40.41	18.97	65.66	-	-	P	V
6685MHz		20040	44.86	-29.14	74	65.16	37.55	-2.95	54.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13690	50.74	-37.46	88.2	56.51	40.61	19.3	65.68	-	-	P	H
		20535	53.27	-20.73	74	74.24	37.97	-4.05	54.89	150	56	P	H
		20535	41.41	-12.59	54	62.38	37.97	-4.05	54.89	150	56	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 179		13690	50.6	-37.6	88.2	56.37	40.61	19.3	65.68	-	-	P	V
6845MHz		20535	51.07	-22.93	74	72.04	37.97	-4.05	54.89	150	341	P	V
		20535	40.73	-13.27	54	61.7	37.97	-4.05	54.89	150	341	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 7 - 6525~6875MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6625	107.49	-	-	88.89	35.95	12.65	30	100	305	P	H
	*	6625	97.45	-	-	78.85	35.95	12.65	30	100	305	A	H
		7141.625	60.07	-28.13	88.2	40.35	36.75	13.06	30.09	100	305	P	H
		7209.775	50.1	-18.1	68.2	30.09	37.04	13.08	30.11	100	305	A	H
802.11ax													H
HE80 Full													H
CH 135	*	6625	105.98	-	-	87.38	35.95	12.65	30	355	135	P	V
6625MHz	*	6625	96.89	-	-	78.29	35.95	12.65	30	355	135	A	V
		7135.1	58.76	-29.44	88.2	39.08	36.71	13.06	30.09	355	135	P	V
		7223.55	50.19	-18.01	68.2	30.15	37.09	13.07	30.12	355	135	A	V
													V
													V
	*	6705	106.4	-	-	87.72	36.01	12.68	30.01	100	305	P	H
	*	6705	97.57	-	-	78.89	36.01	12.68	30.01	100	305	A	H
		7213.4	58.99	-29.21	88.2	38.97	37.05	13.08	30.11	100	305	P	H
		7199.625	49.89	-18.31	68.2	29.91	37	13.09	30.11	100	305	A	H
802.11ax													H
HE80 Full													H
CH 151	*	6705	105.06	-	-	86.38	36.01	12.68	30.01	350	133	P	V
6705MHz	*	6705	96.05	-	-	77.37	36.01	12.68	30.01	350	133	A	V
		7156.85	59.14	-29.06	88.2	39.34	36.83	13.07	30.1	350	133	P	V
		7204.7	50.05	-18.15	68.2	30.05	37.02	13.09	30.11	350	133	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6785	108.7	-	-	89.98	36.03	12.71	30.02	100	302	P	H
	*	6785	98.57	-	-	79.85	36.03	12.71	30.02	100	302	A	H
		7212.675	59.04	-29.16	88.2	39.02	37.05	13.08	30.11	100	302	P	H
		7222.1	50.06	-18.14	68.2	30.02	37.09	13.07	30.12	100	302	A	H
802.11ax													H
HE80 Full													H
CH 167	*	6785	105.33	-	-	86.61	36.03	12.71	30.02	337	137	P	V
6785MHz	*	6785	96.04	-	-	77.32	36.03	12.71	30.02	337	137	A	V
		7130.75	58.97	-29.23	88.2	39.32	36.68	13.06	30.09	337	137	P	V
		7217.75	49.8	-18.4	68.2	29.77	37.07	13.08	30.12	337	137	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13250	47.9	-26.1	74	54.56	40.15	18.85	65.66	-	-	P	H
		19875	44.64	-29.36	74	64.82	37.65	-2.88	54.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 135		13250	47.99	-26.01	74	54.65	40.15	18.85	65.66	-	-	P	V
6625MHz		19875	40.65	-33.35	74	60.83	37.65	-2.88	54.95	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13410	50.25	-37.95	88.2	56.37	40.51	19.02	65.65	-	-	P	H
		20115	44.3	-29.7	74	64.7	37.64	-3.14	54.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 151		13410	49.26	-38.94	88.2	55.38	40.51	19.02	65.65	-	-	P	V
6705MHz		20115	41.89	-32.11	74	62.29	37.64	-3.14	54.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13570	49.89	-38.31	88.2	55.71	40.67	19.17	65.66	-	-	P	H
		20355	46.73	-27.27	74	67.5	37.88	-3.75	54.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 167		13570	50.25	-37.95	88.2	56.07	40.67	19.17	65.66	-	-	P	V
6785MHz		20368	46.52	-27.48	74	67.31	37.89	-3.78	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 7 - 6525~6875MHz

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	6665	104.96	-	-	86.29	36	12.67	30	100	306	P	H
	*	6665	95.28	-	-	76.61	36	12.67	30	100	306	A	H
		7181.5	59.59	-28.61	88.2	39.68	36.93	13.08	30.1	100	306	P	H
		7151.775	50.28	-17.92	68.2	30.5	36.81	13.07	30.1	100	306	A	H
802.11ax													H
HE160 Full													H
CH 143	*	6665	103.28	-	-	84.61	36	12.67	30	300	139	P	V
6665MHz	*	6665	93.73	-	-	75.06	36	12.67	30	300	139	A	V
		7225	59.46	-28.74	88.2	39.41	37.1	13.07	30.12	300	139	P	V
		7194.55	50	-18.2	68.2	30.04	36.98	13.09	30.11	300	139	A	V
													V
													V

Remark

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

Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13330	47.95	-26.05	74	54.39	40.29	18.93	65.66	-	-	P	H
		19995	46.48	-27.52	74	66.72	37.51	-2.85	54.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 143		13330	47.92	-26.08	74	54.36	40.29	18.93	65.66	-	-	P	V
6665MHz		19995	41.55	-32.45	74	61.79	37.51	-2.85	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.

Emission below 1GHz

WIFI 802.11ax HE160 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full LF		97.9	32.07	-11.43	43.5	47.12	15.67	1.52	32.24	-	-	P	H
		187.14	24.94	-18.56	43.5	40.21	14.91	2.14	32.32	-	-	P	H
		206.54	25.06	-18.44	43.5	40.1	15.04	2.23	32.31	-	-	P	H
		321	23.56	-22.44	46	33.6	19.59	2.74	32.37	-	-	P	H
		613.94	27.13	-18.87	46	30.36	25.55	3.84	32.62	-	-	P	H
		901.06	33.6	-12.4	46	32.04	28.61	4.67	31.72	-	-	P	H
													H
													H
													H
													H
													H
													H
		97.9	35.41	-8.09	43.5	50.46	15.67	1.52	32.24	-	-	P	V
		130.88	24.54	-18.96	43.5	37.62	17.47	1.73	32.28	-	-	P	V
		489.78	25.96	-20.04	46	31.37	23.73	3.39	32.53	-	-	P	V
		746.83	30.19	-15.81	46	30.78	27.58	4.25	32.42	-	-	P	V
		834.13	31.4	-14.6	46	30.71	28.38	4.5	32.19	-	-	P	V
		954.41	34.72	-11.28	46	30.97	30.24	4.81	31.3	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -24.66(dB)

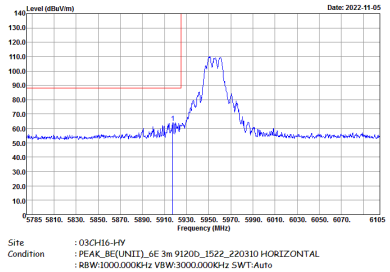
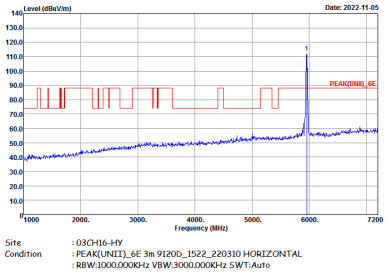
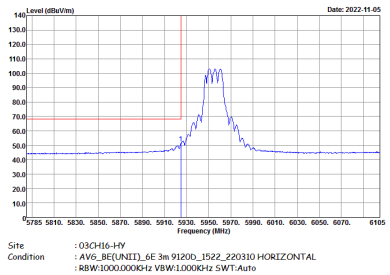
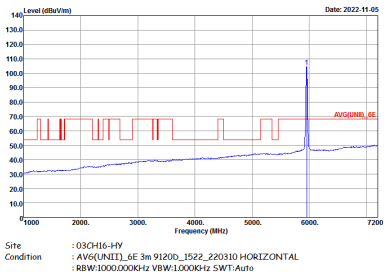
Both peak and average measured complies with the limit line, so test result is "PASS".

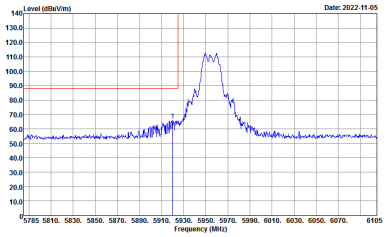
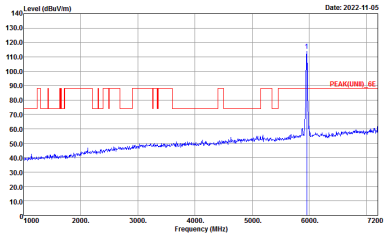
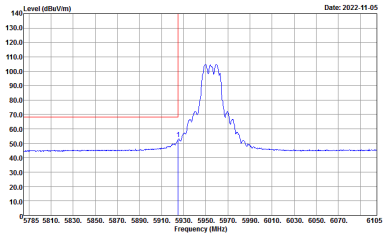
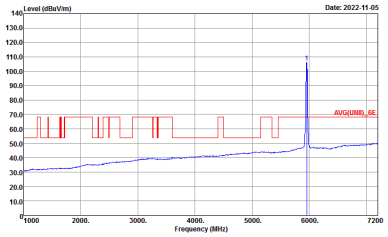
Appendix D. Radiated Spurious Emission Plots

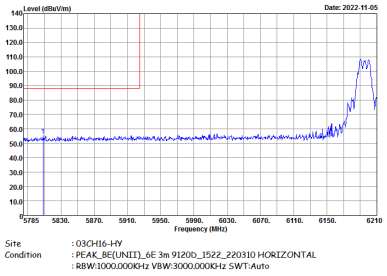
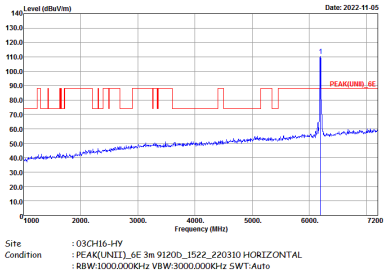
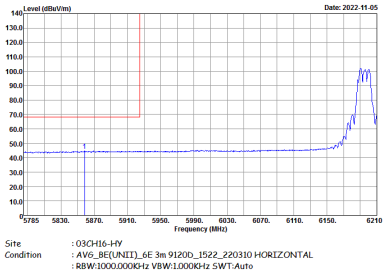
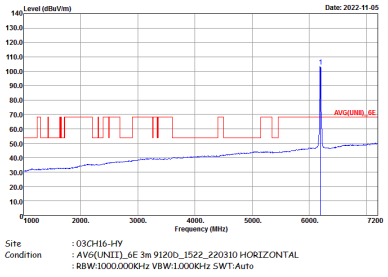
Test Engineer :	Karl Hou and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

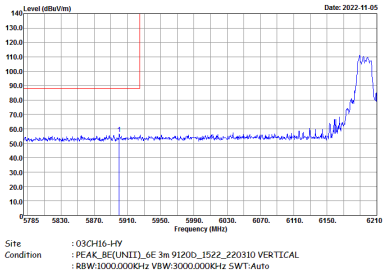
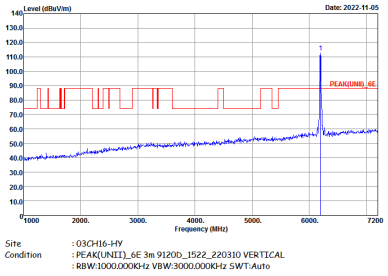
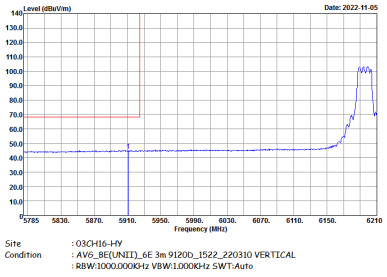
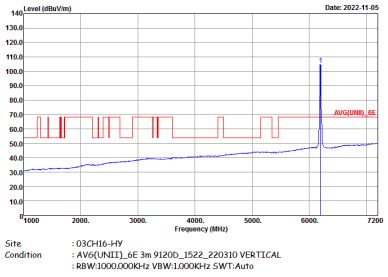
Band 5 - 5925~6425MHz

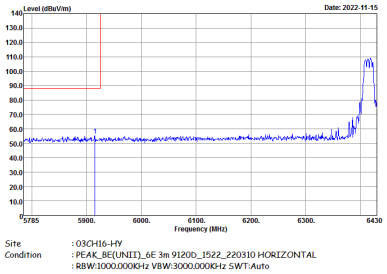
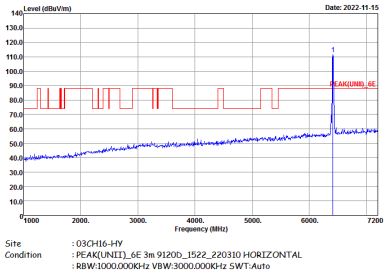
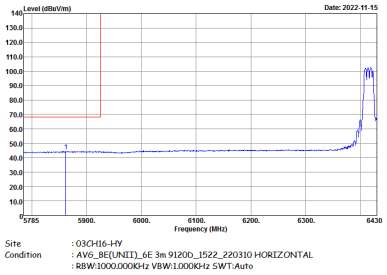
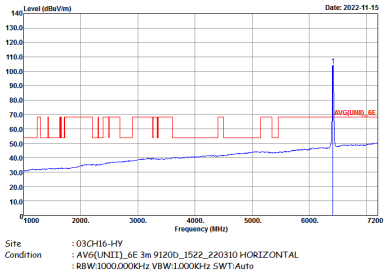
WIFI 802.11a (Band Edge @ 3m)

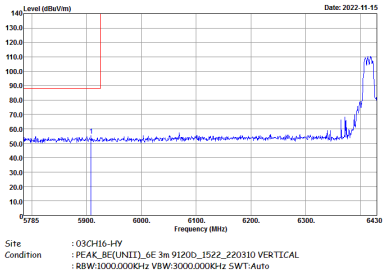
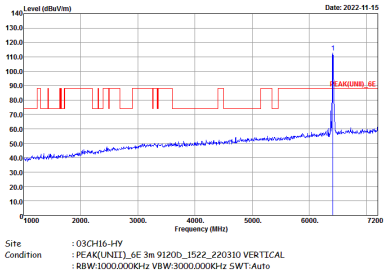
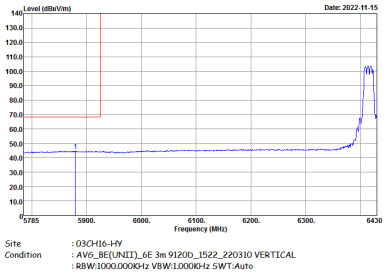
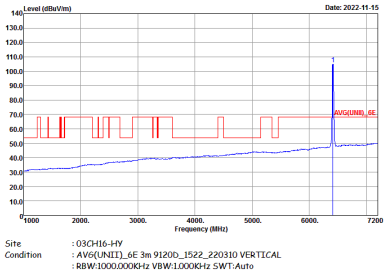
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Horizontal	Fundamental
Peak		
Avg		

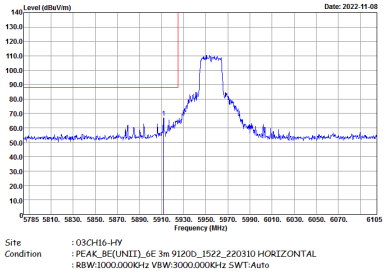
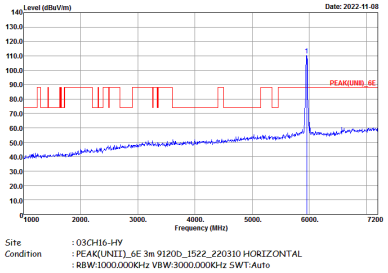
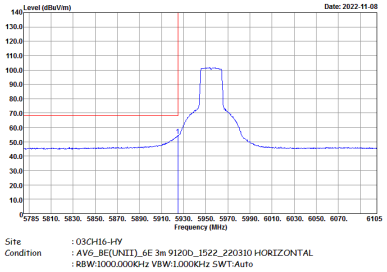
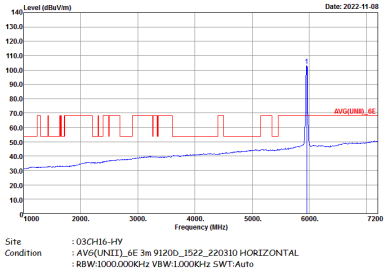
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Vertical	Fundamental
Peak		
Avg		

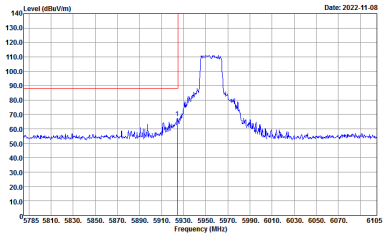
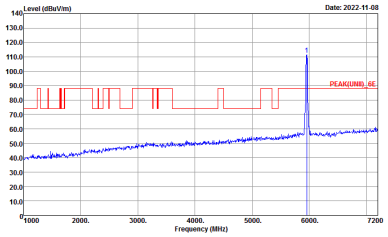
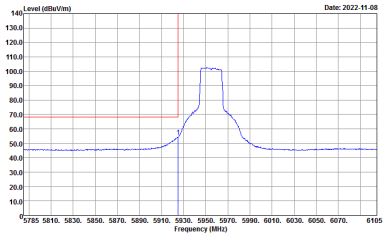
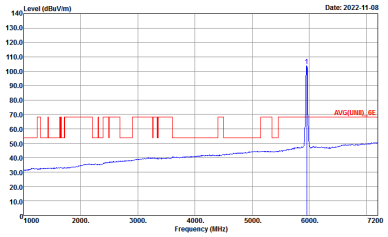
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Horizontal	Fundamental
Peak		
Avg		

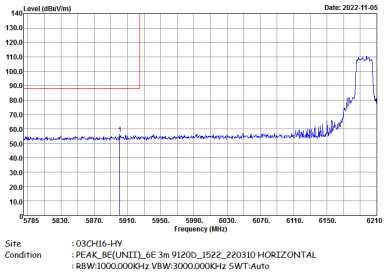
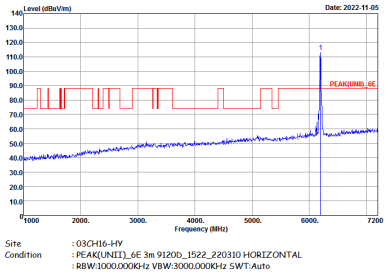
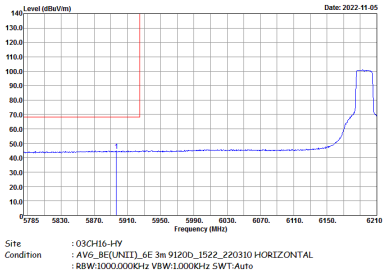
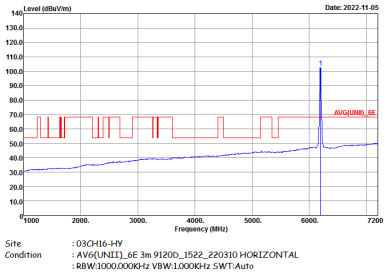
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Vertical	Fundamental
Peak		
Avg		

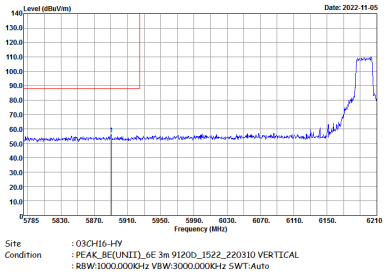
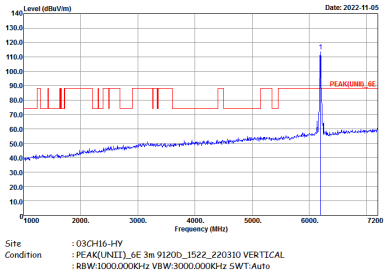
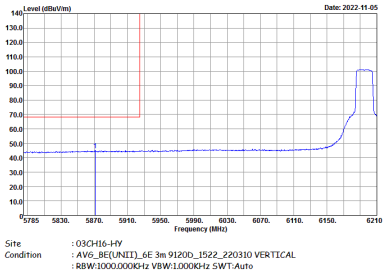
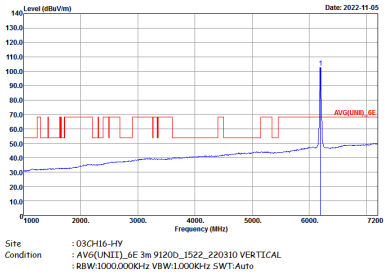
Band 5 5925~6425MHz

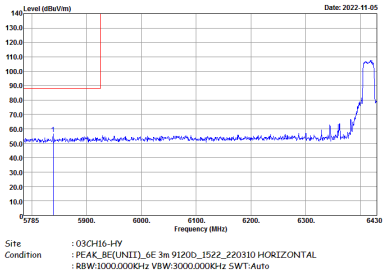
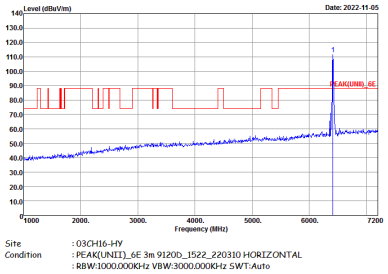
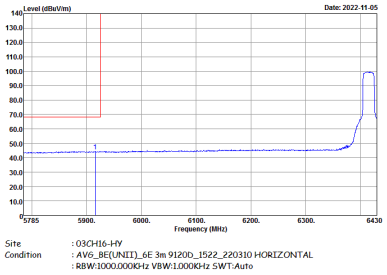
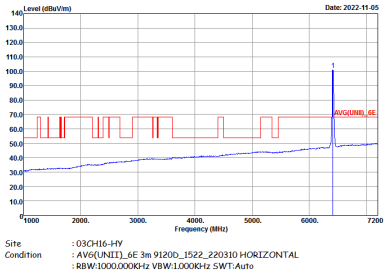
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

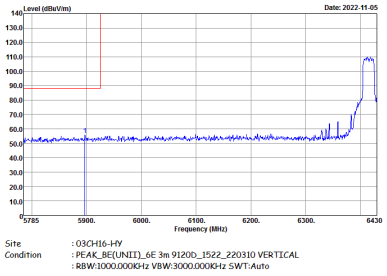
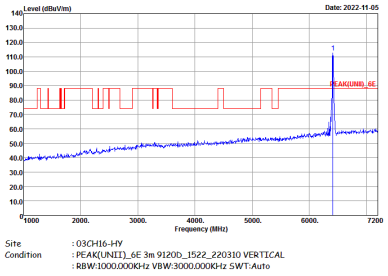
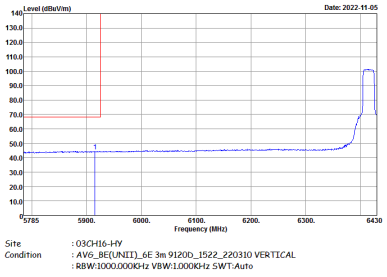
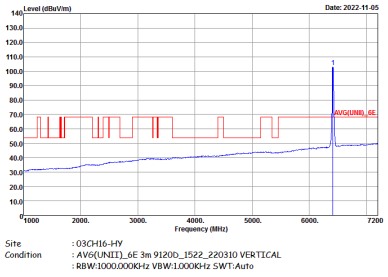
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Horizontal	Fundamental
Peak		
Avg		

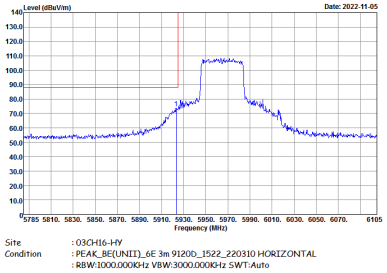
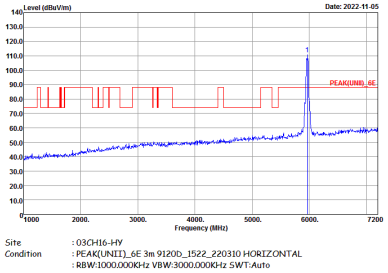
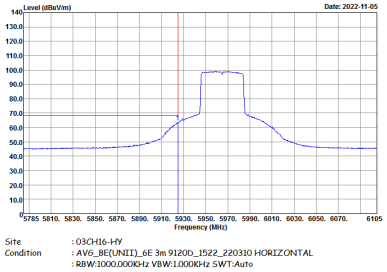
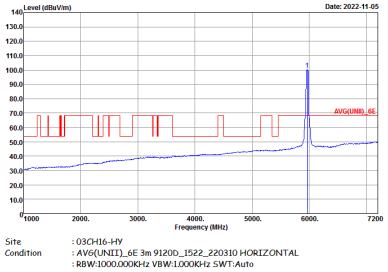
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Vertical	Fundamental
Peak		
Avg		

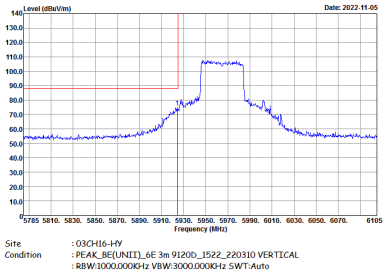
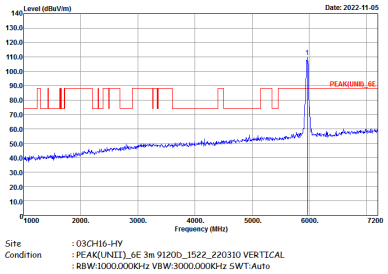
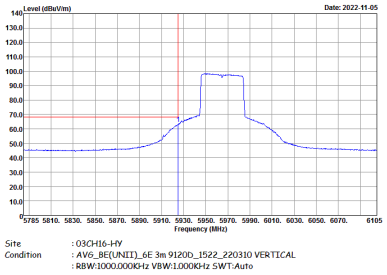
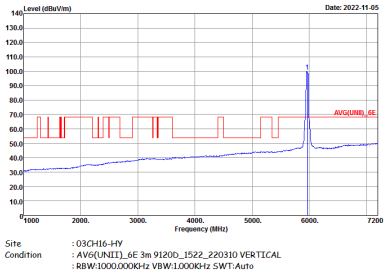
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Horizontal	Fundamental
Peak		
Avg		

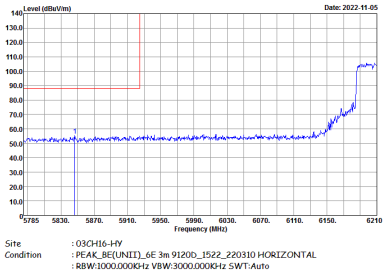
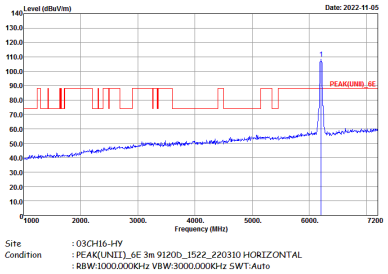
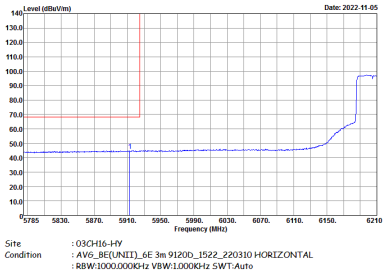
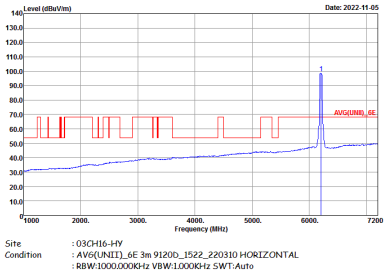
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Vertical	Fundamental
Peak		
Avg		

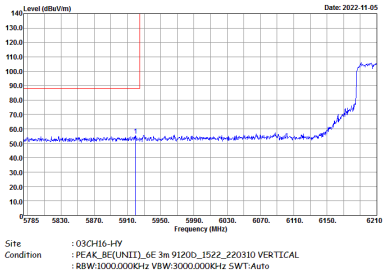
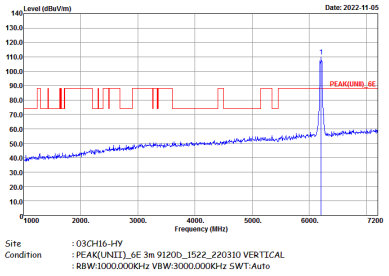
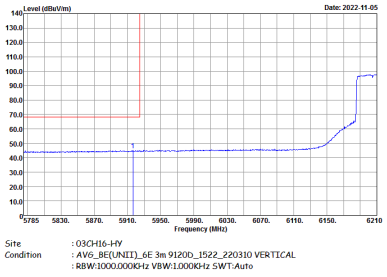
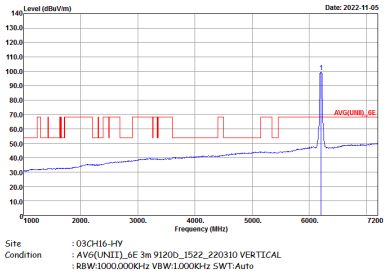
Band 5 5925~6425MHz

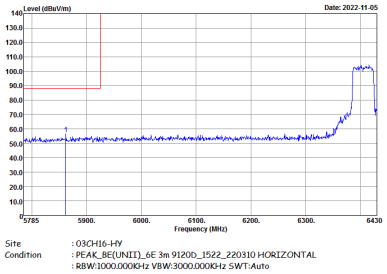
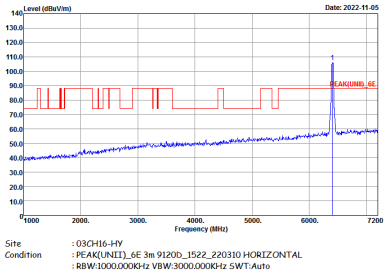
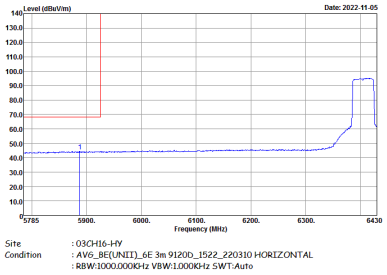
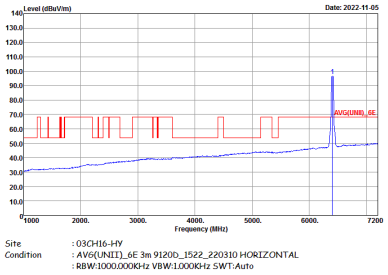
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

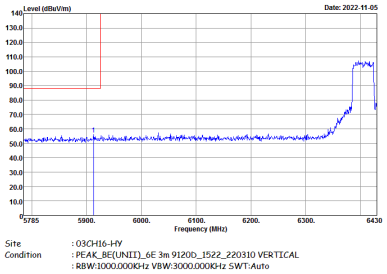
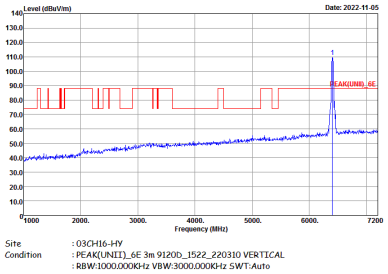
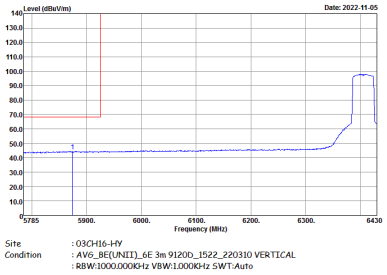
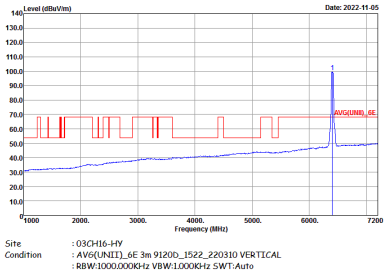
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

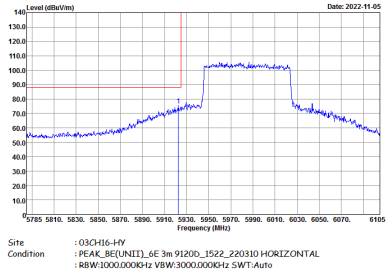
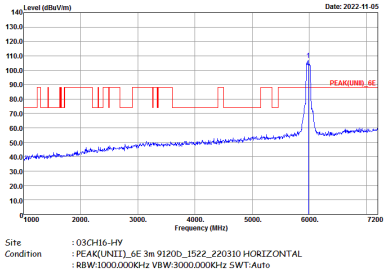
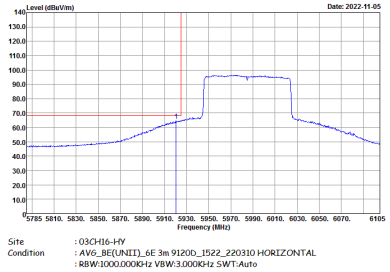
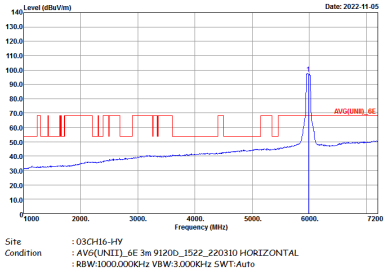
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Horizontal	Fundamental
Peak.		
Avg		

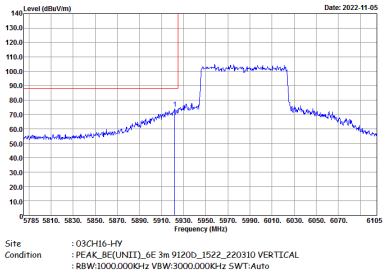
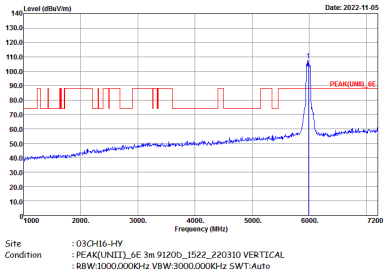
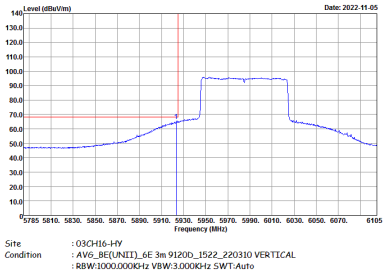
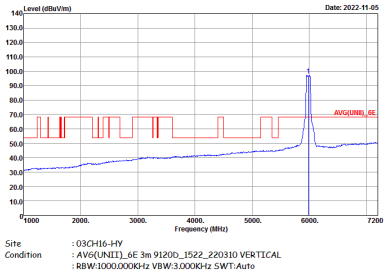
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Vertical	Fundamental
Peak.		
Avg		

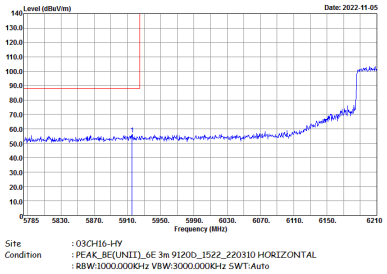
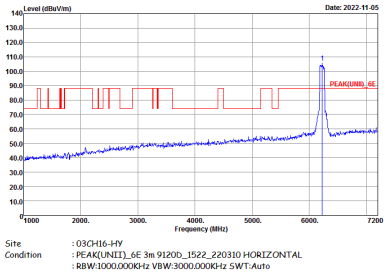
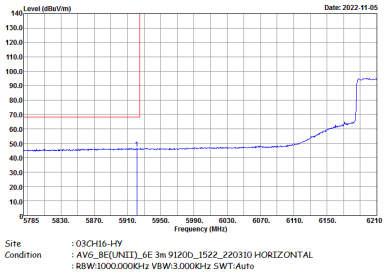
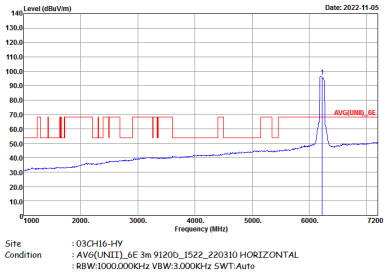
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Horizontal	Fundamental
Peak		
Avg		

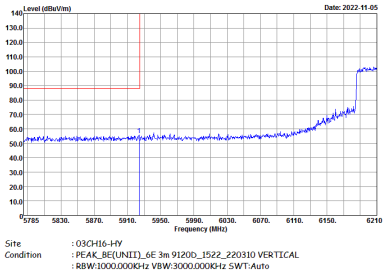
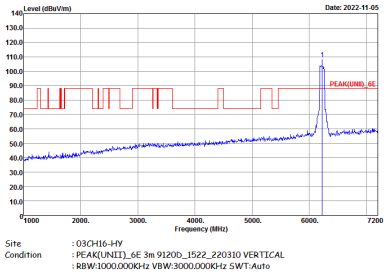
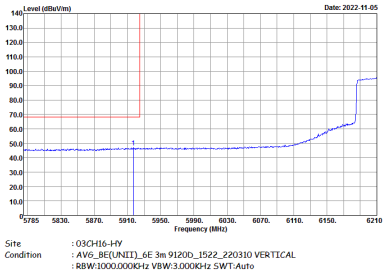
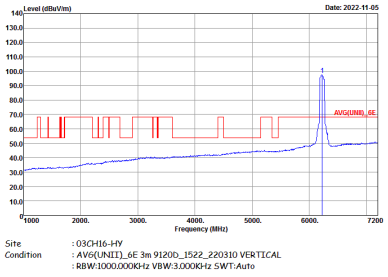
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Vertical	Fundamental
Peak		
Avg		

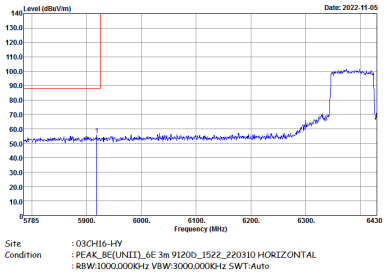
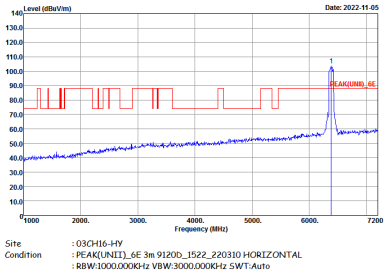
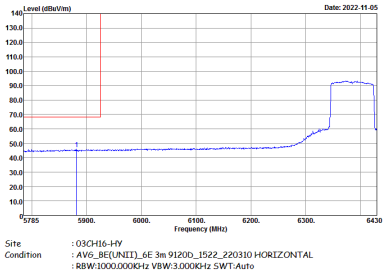
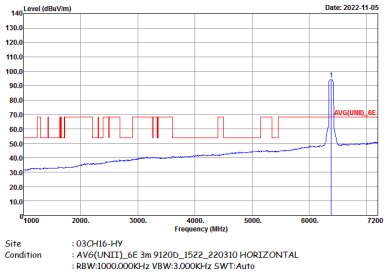
Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

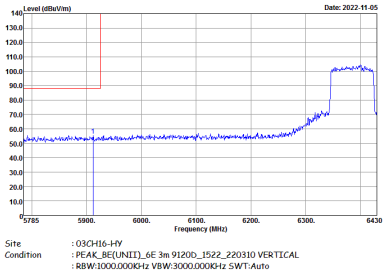
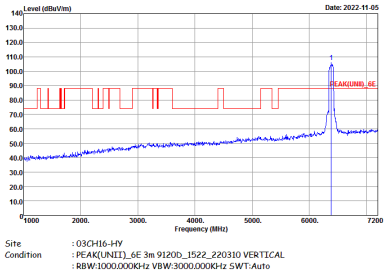
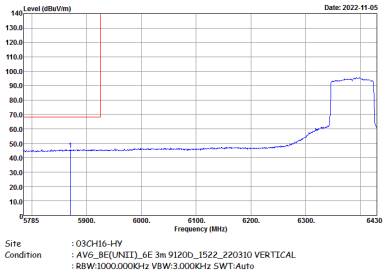
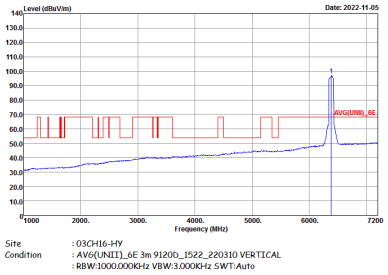
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

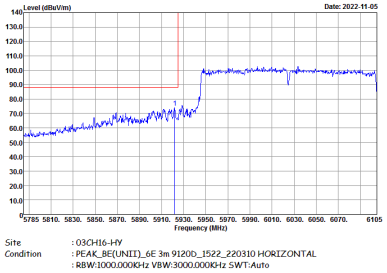
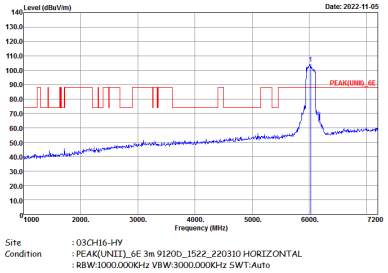
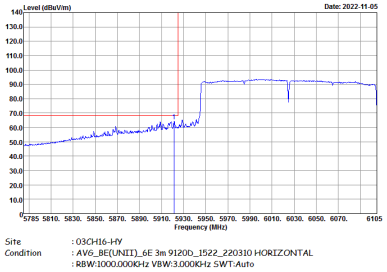
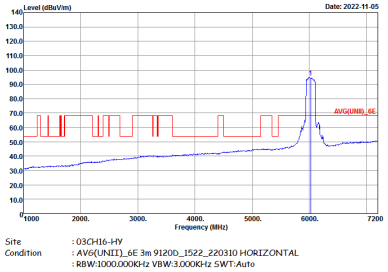
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII)_6E 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_BE(UNII)_6E 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6(UNII)_6E 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto

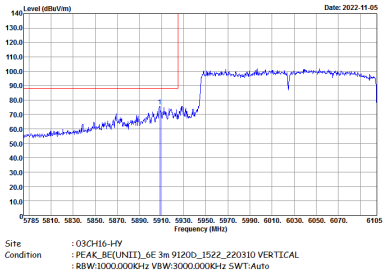
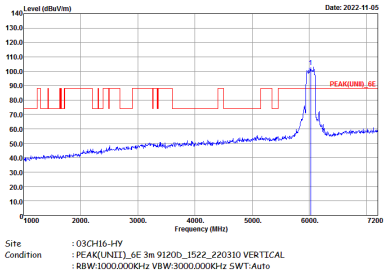
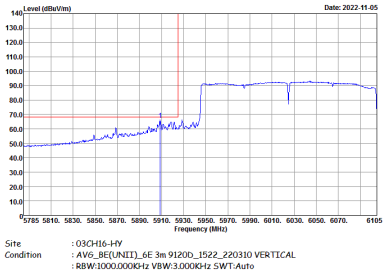
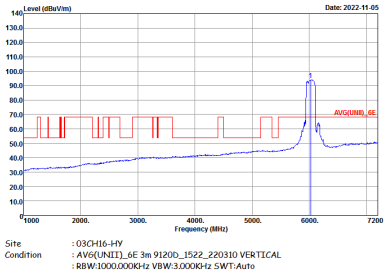
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

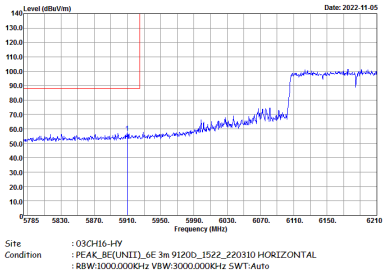
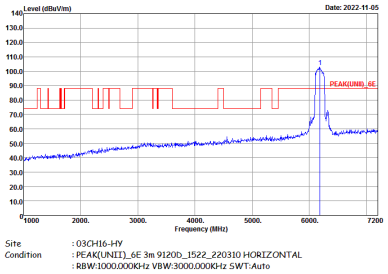
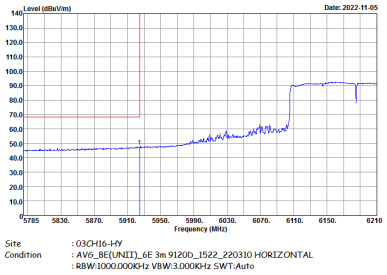
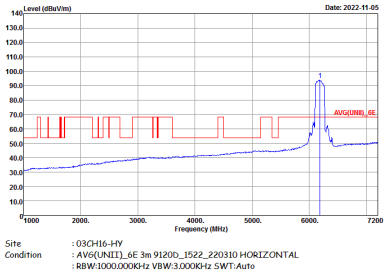
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

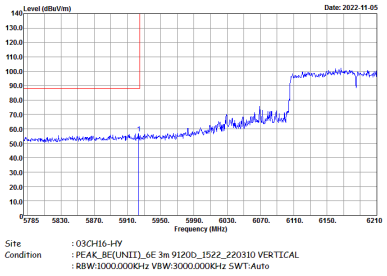
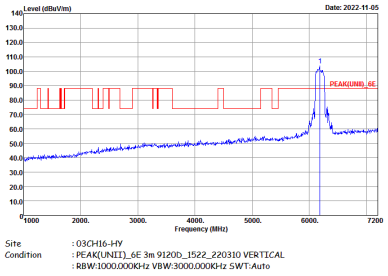
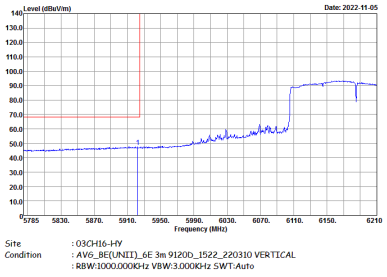
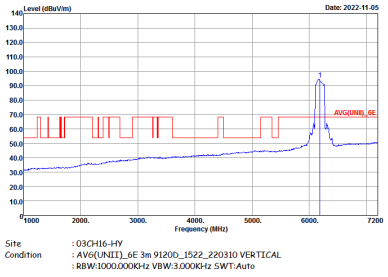
Band 5 5925~6425MHz

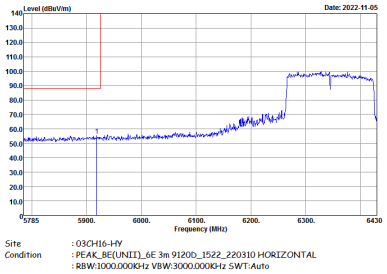
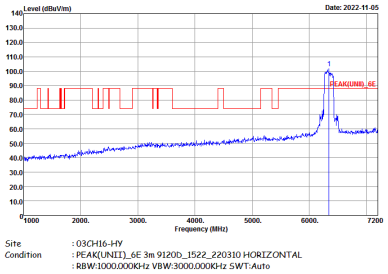
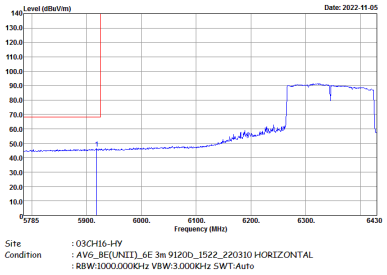
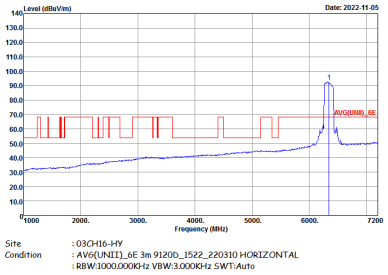
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

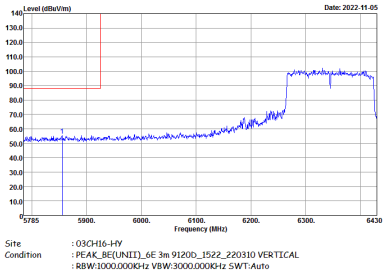
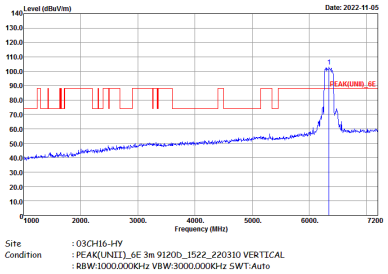
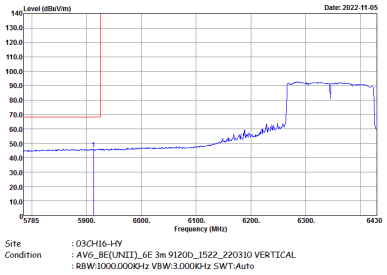
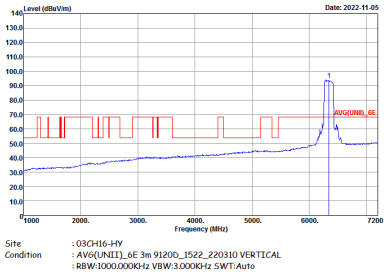
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

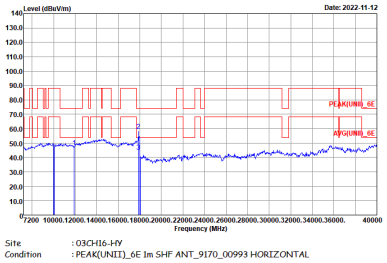
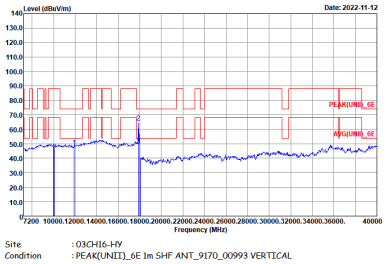
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

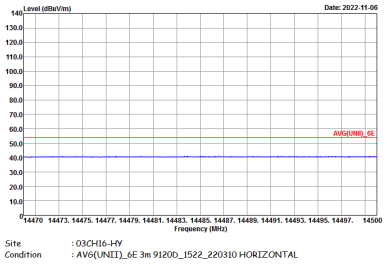
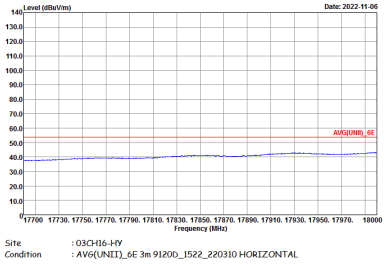
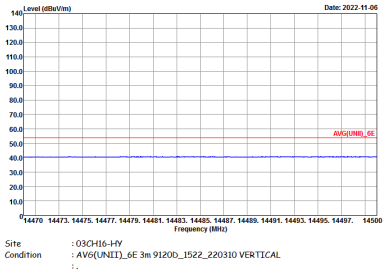
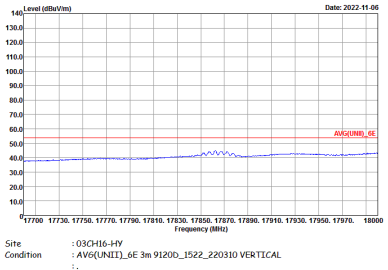
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

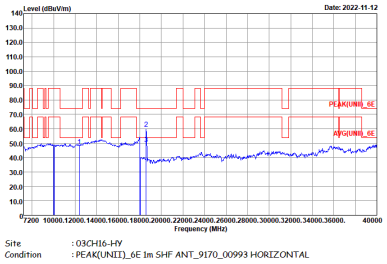
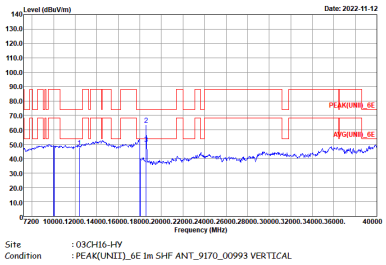
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

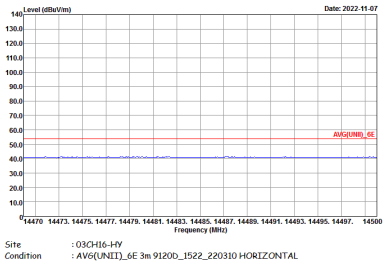
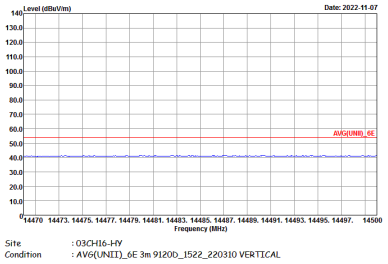
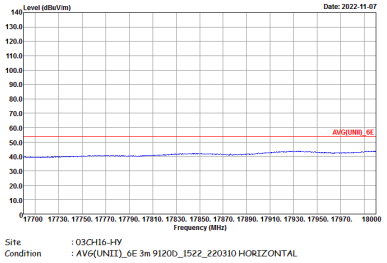
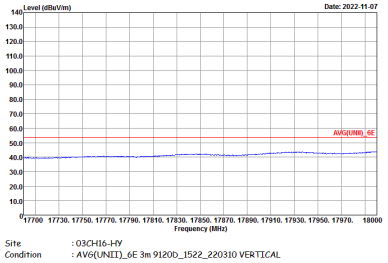
Band 5 - 5925~6425MHz

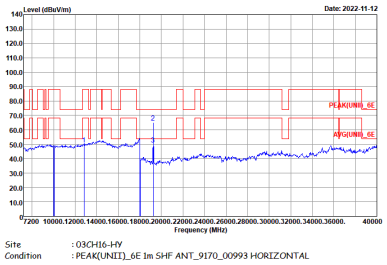
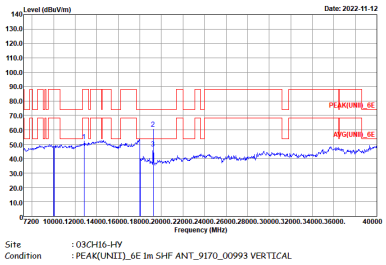
WIFI 802.11a (Harmonic @ 3m)

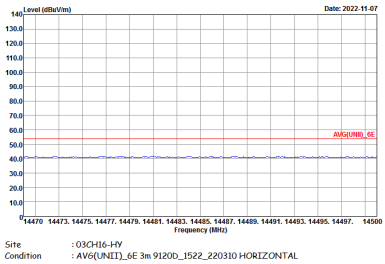
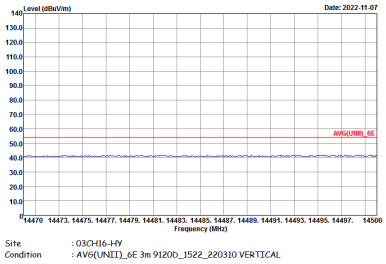
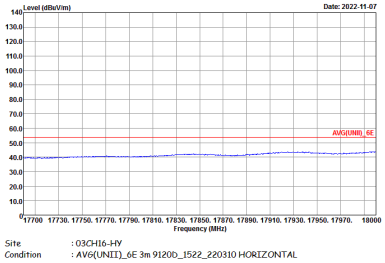
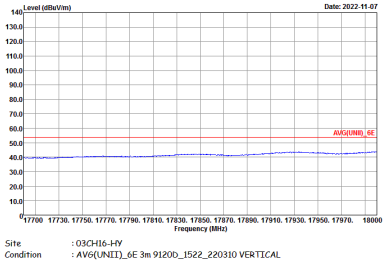
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Horizontal	Vertical
Peak Avg.		

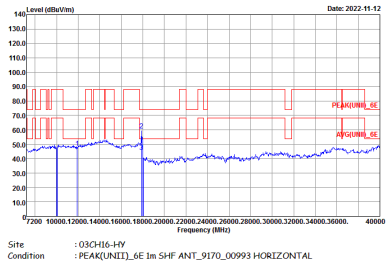
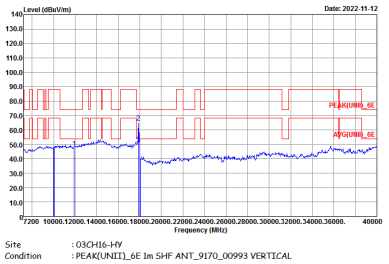
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

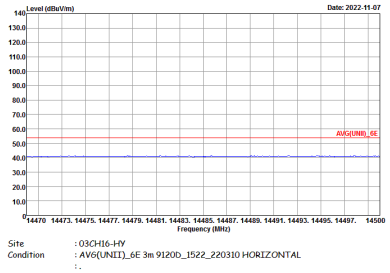
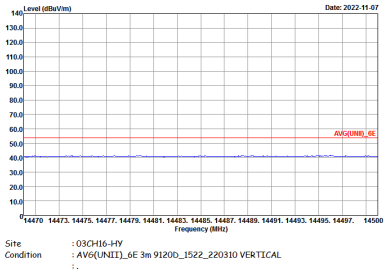
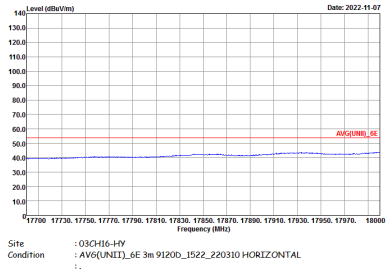
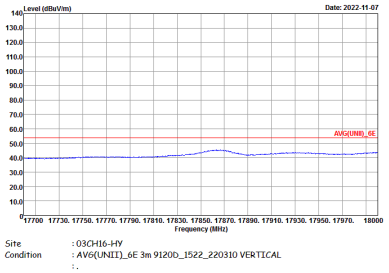
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Horizontal	Vertical
Peak Avg.		

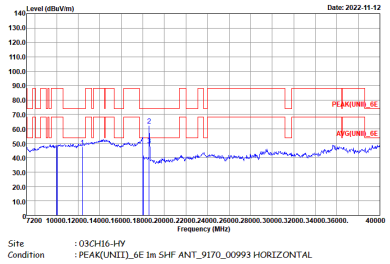
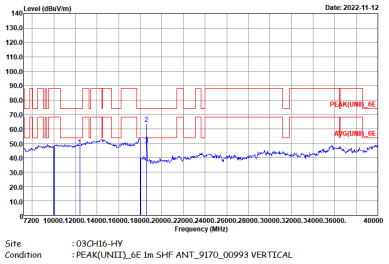
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

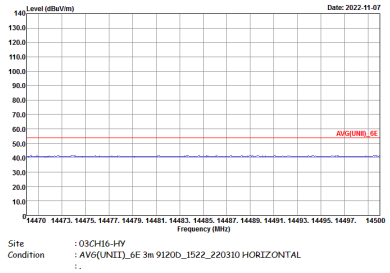
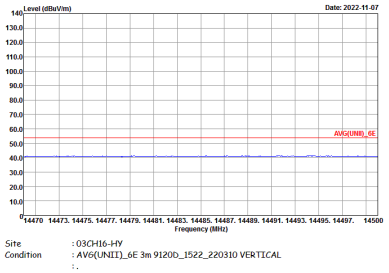
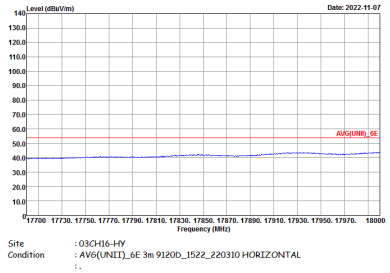
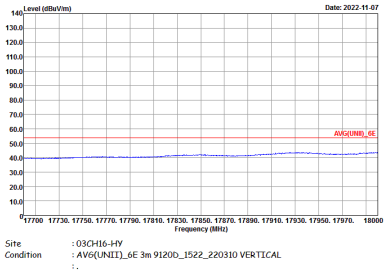
Band 5 5925~6425MHz

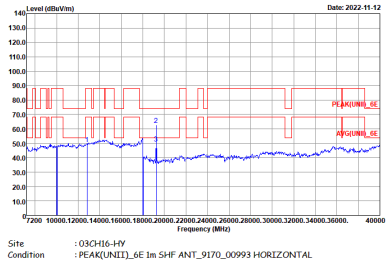
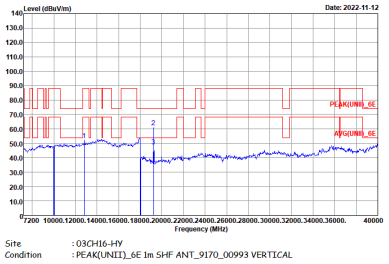
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

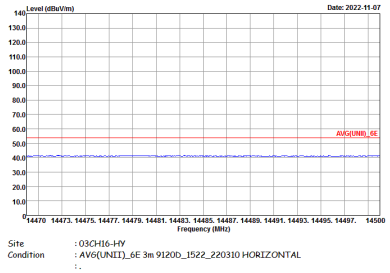
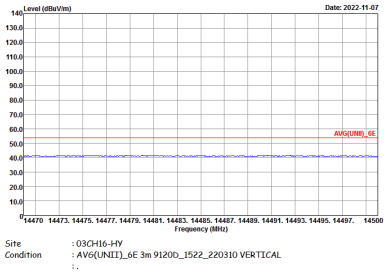
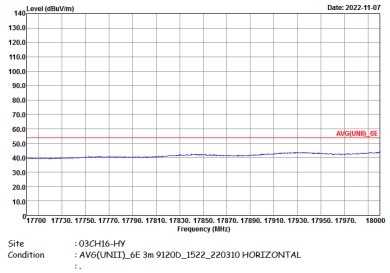
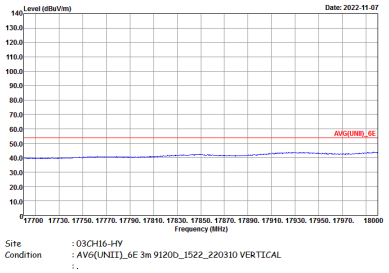
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Horizontal	Vertical
Peak Avg.		

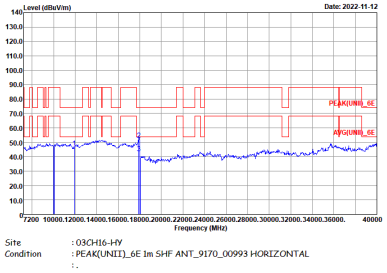
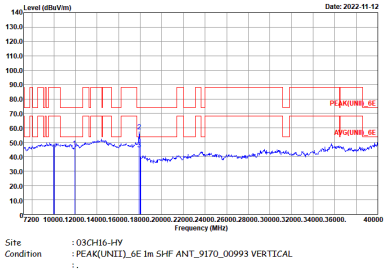
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

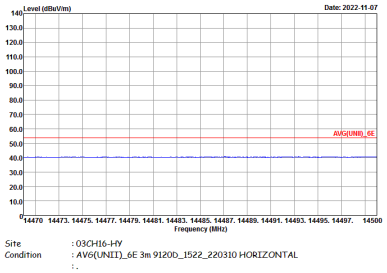
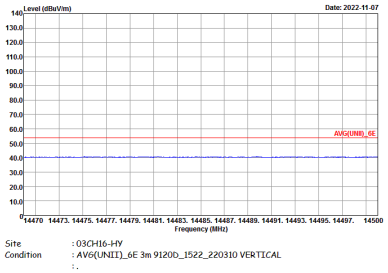
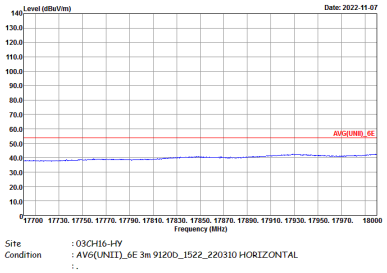
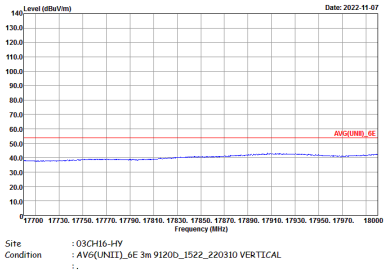
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Horizontal	Vertical
Peak Avg.		

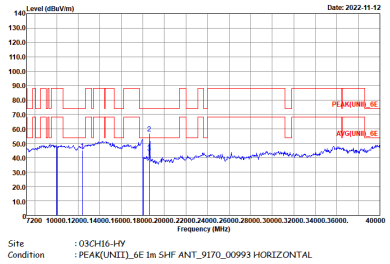
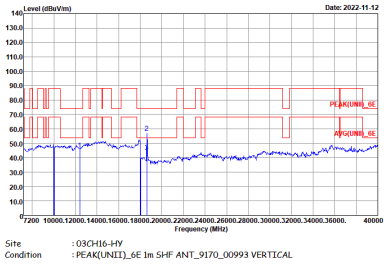
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

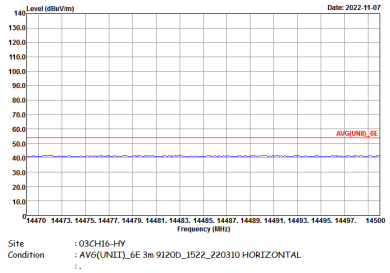
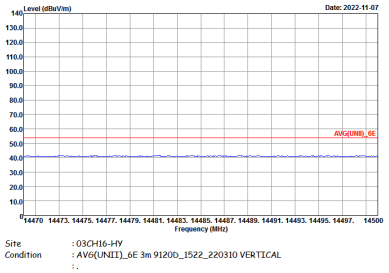
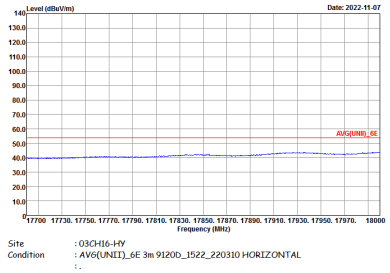
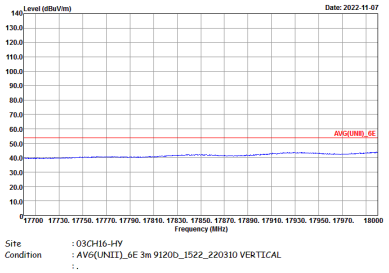
Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Horizontal	Vertical
Peak Avg.