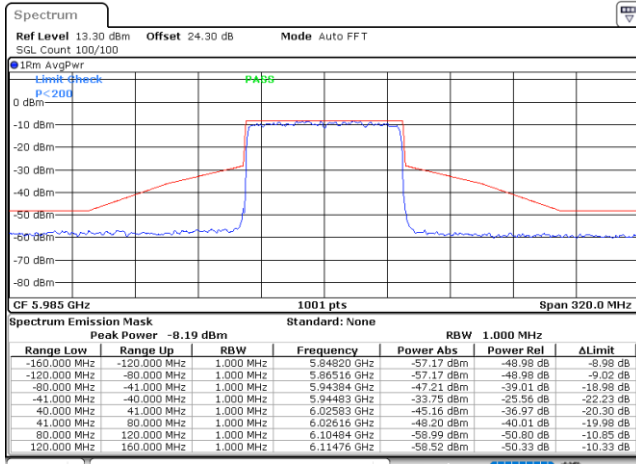




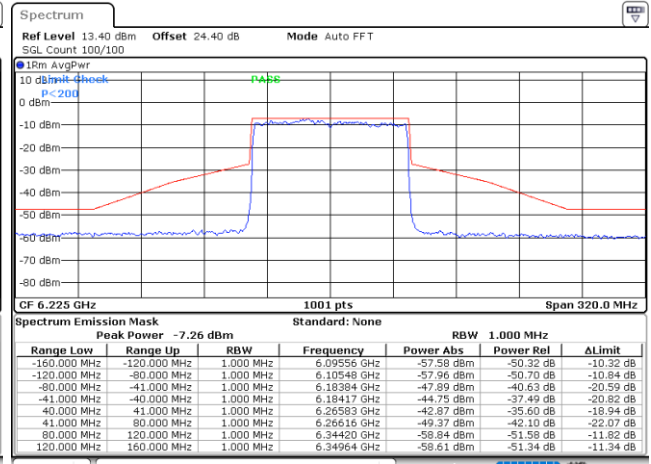
EUT Mode : 802.11ax HE80

Plot on Channel 5985MHz



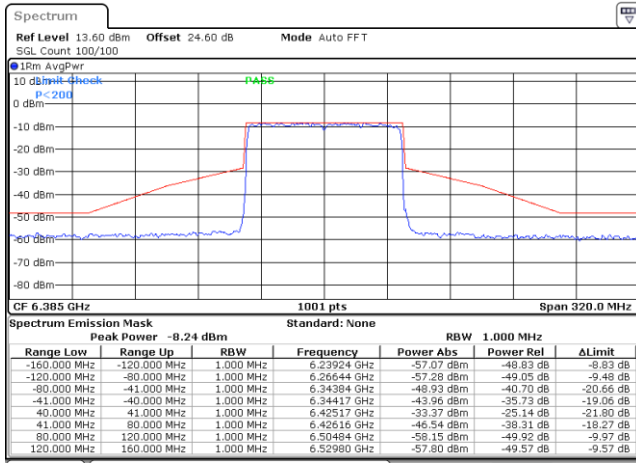
Date: 26.JUN.2021 14:42:06

Plot on Channel 6225MHz



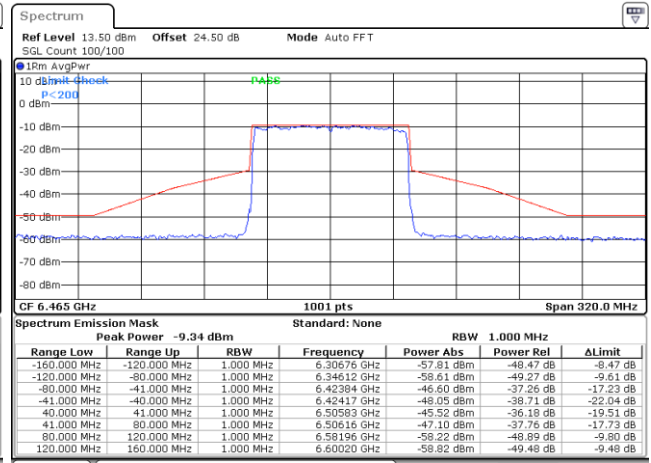
Date: 26.JUN.2021 14:40:40

Plot on Channel 6385MHz



Date: 26.JUN.2021 14:39:40

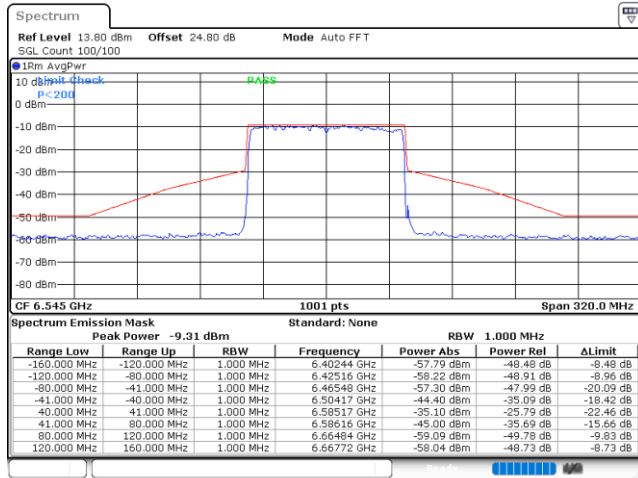
Plot on Channel 6465MHz



Date: 26.JUN.2021 14:37:55

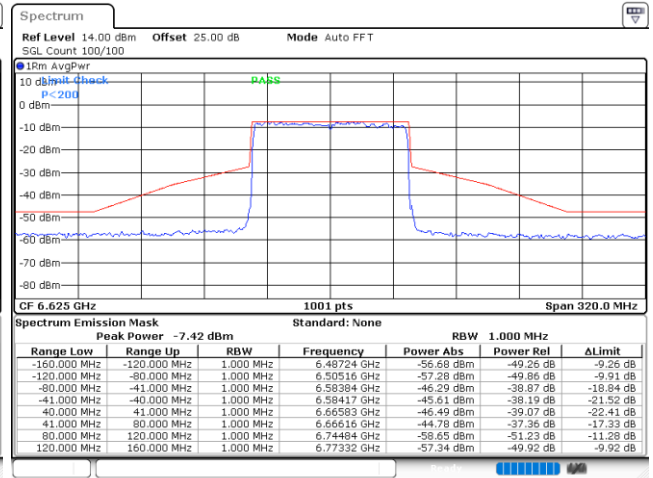


Plot on Channel 6545MHz



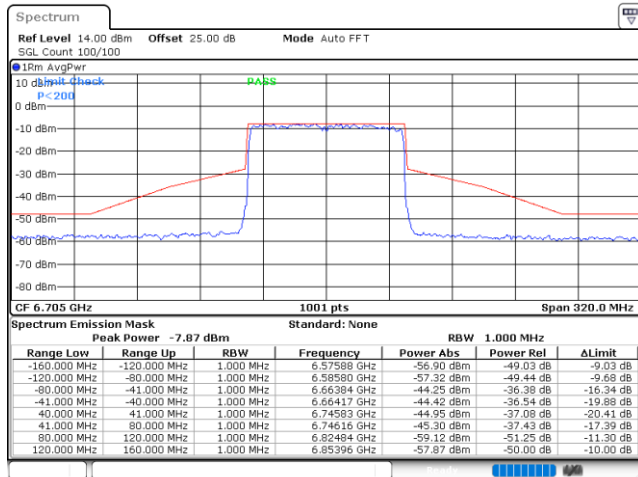
Date: 26.JUN.2021 14:36:44

Plot on Channel 6625MHz



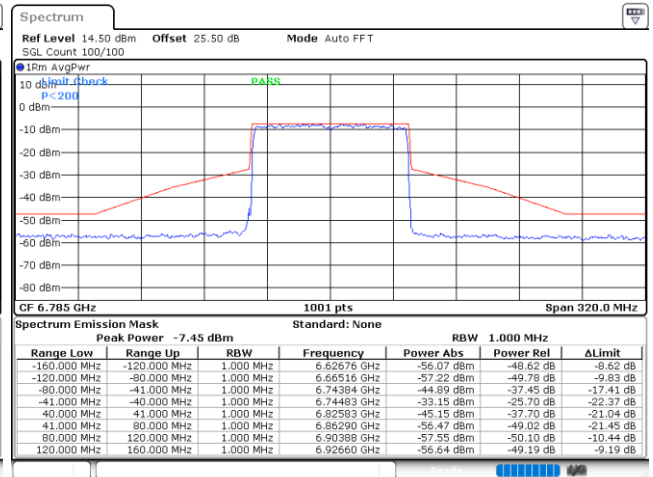
Date: 26.JUN.2021 14:34:46

Plot on Channel 6705MHz



Date: 26.JUN.2021 14:32:03

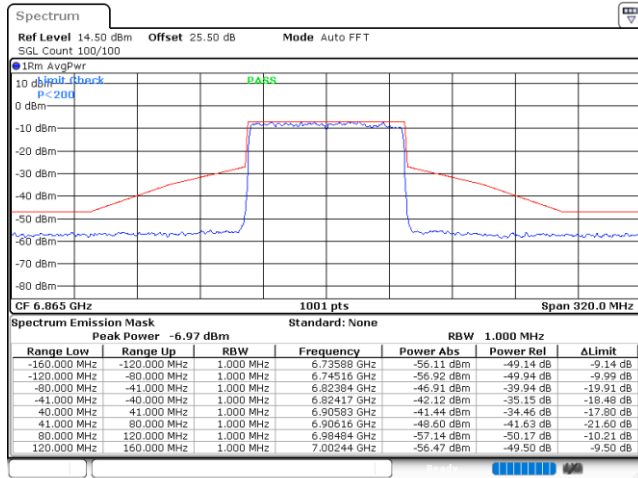
Plot on Channel 6785MHz



Date: 26.JUN.2021 14:30:06

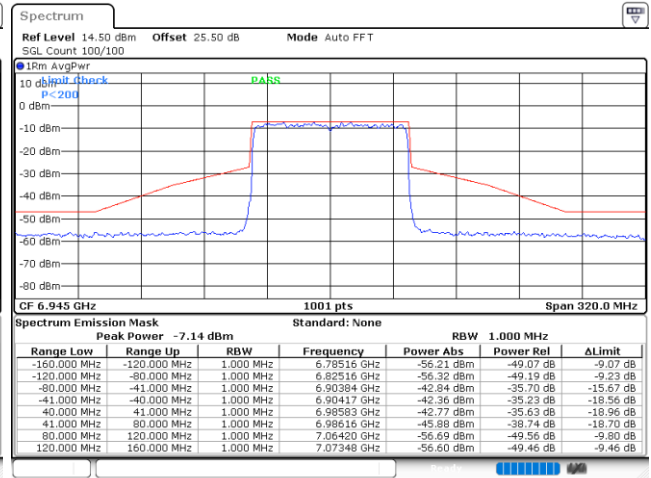


Plot on Channel 6865MHz



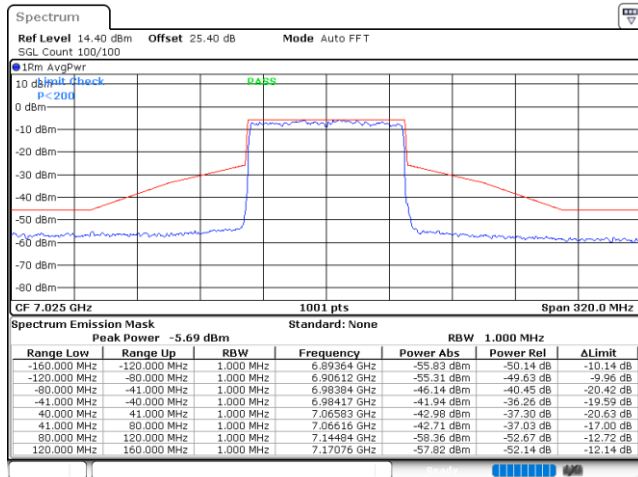
Date: 26.JUN.2021 14:29:01

Plot on Channel 6945MHz



Date: 26.JUN.2021 14:25:29

Plot on Channel 7025MHz

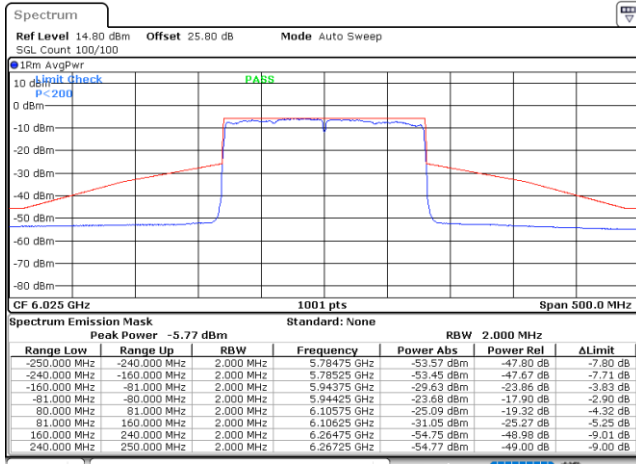


Date: 26.JUN.2021 14:21:58



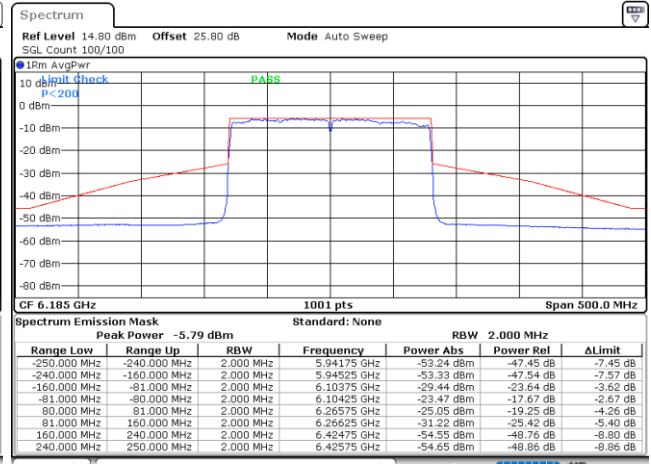
EUT Mode : 802.11ax HE160

Plot on Channel 6025MHz



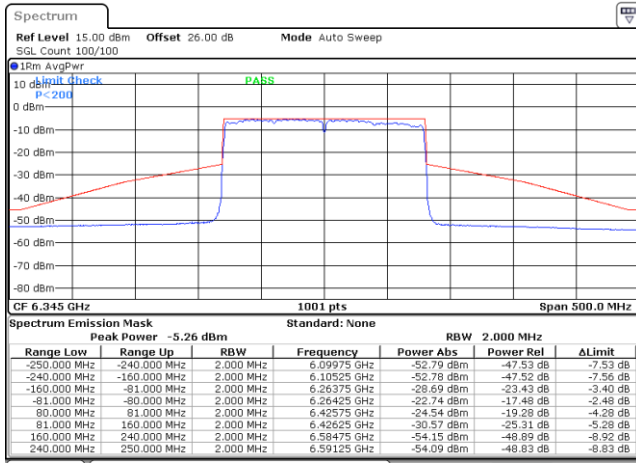
Date: 23.AUG.2021 18:01:56

Plot on Channel 6185MHz



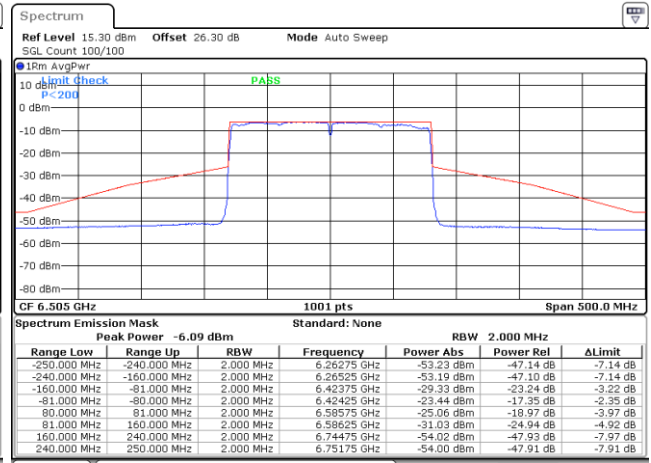
Date: 23.AUG.2021 18:13:29

Plot on Channel 6345MHz



Date: 23.AUG.2021 18:25:02

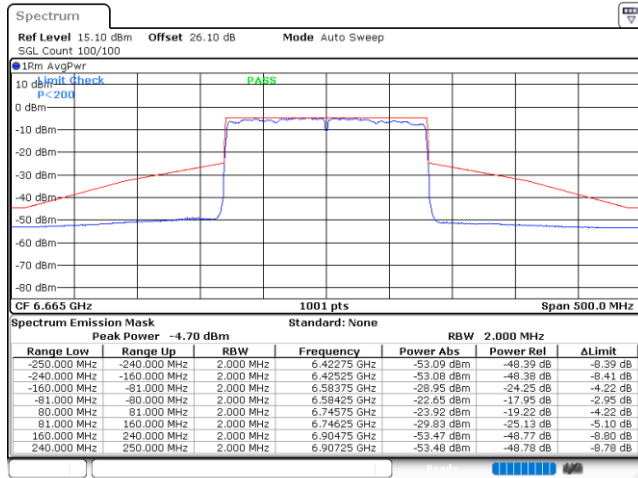
Plot on Channel 6505MHz



Date: 23.AUG.2021 18:35:25

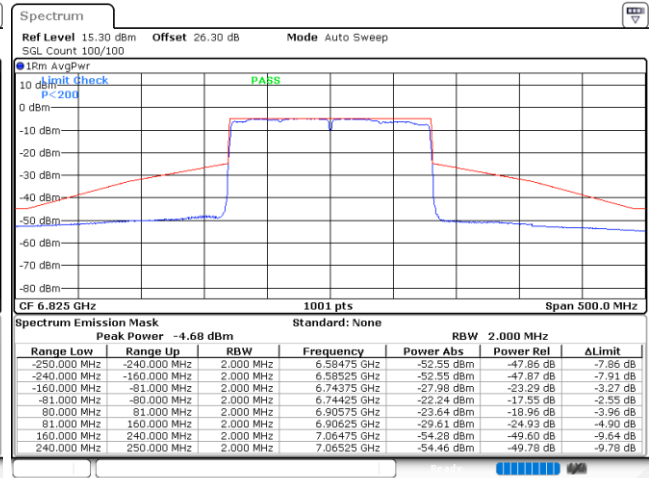


Plot on Channel 6665MHz



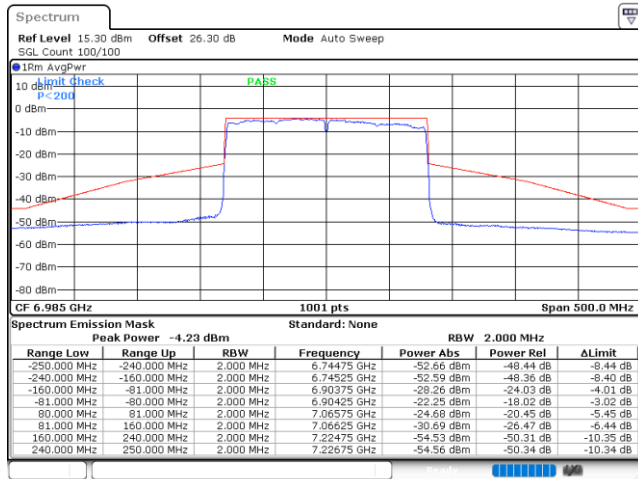
Date: 23.AUG.2021 16:44:00

Plot on Channel 6825MHz



Date: 23.AUG.2021 19:04:01

Plot on Channel 6985MHz



Date: 23.AUG.2021 19:12:17



3.5 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

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

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

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

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

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

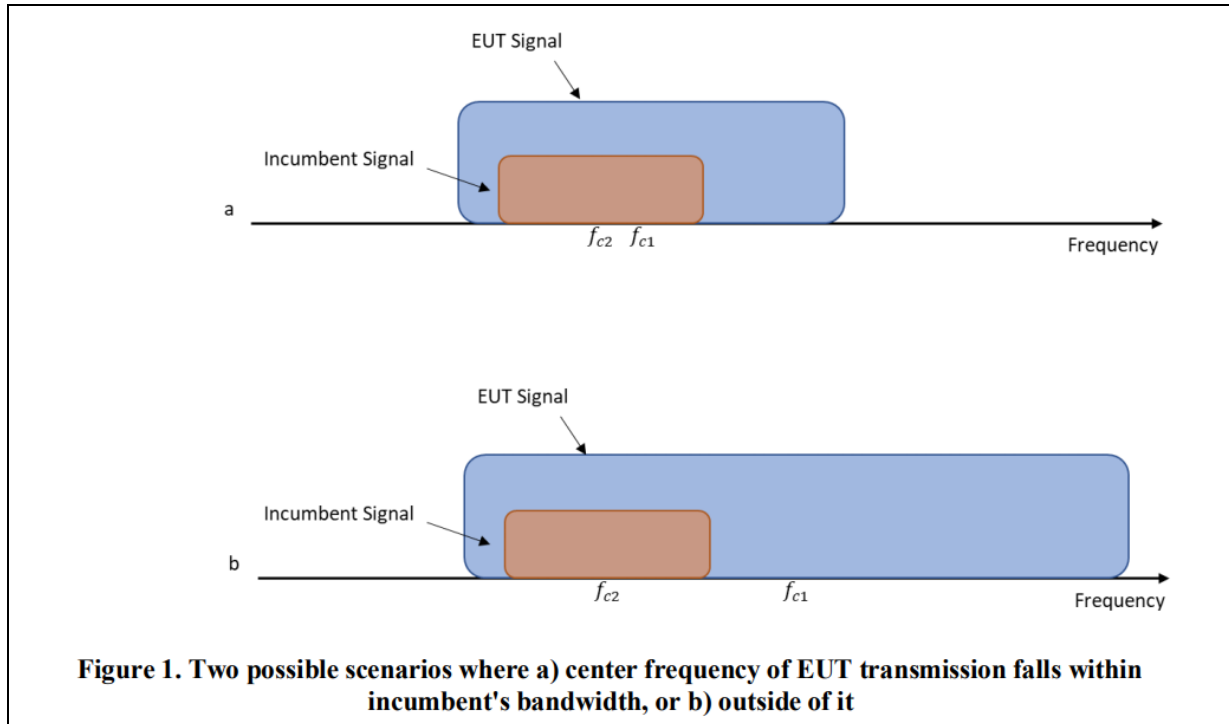
where:

BW_{EUT} : Transmission bandwidth of EUT signal

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

f_{c1} : Center frequency of EUT transmission

f_{c2} : Center frequency of simulated incumbent signal



3.5.2 Measuring Instruments

See list of measuring equipment of this test report.



3.5.3 Test Procedures

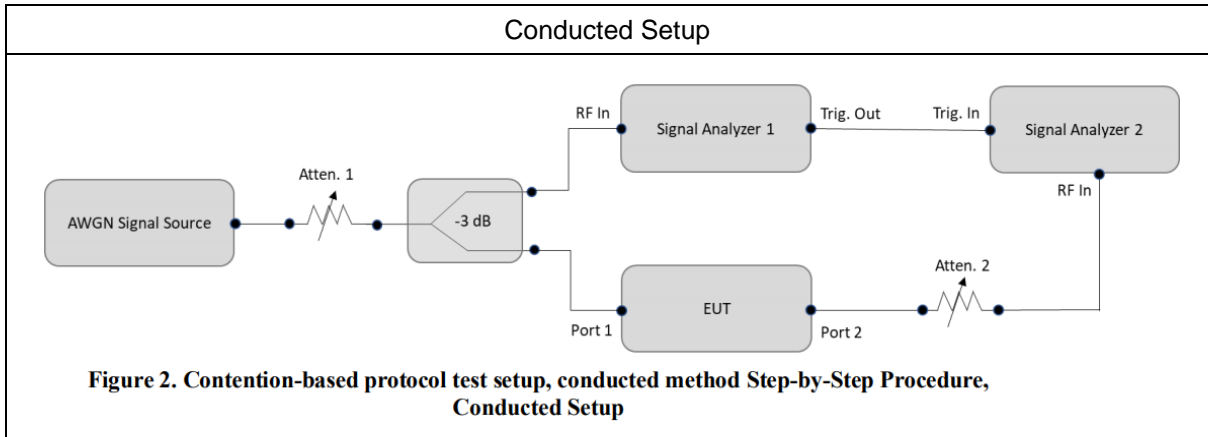
The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

Section I) Contention Based Protocol

Conducted method Step-by-Step Procedure, Conducted Setup

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in test setup Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in test setup Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.
12. For the contention-based protocol test where only one channel in each supported sub-band needs to be tested. The narrowest and widest bandwidth in each channel shall be measured EUT was driven in MIMO mode, the interferer level was injected to both chains to monitor the performance, while the interferer level is determined according the lowest antenna gain among both antennas (i.e, lower interferer level).

3.5.4 Test Setup



3.5.5 Support Unit used in test configuration and system

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



3.5.6 Test Summary of Contention Based Protocol Test

| Band | Channel Freq. (MHz) | Channel BW (MHz) | Incumbent freq. (MHz) | Measured Detection level (dBm) | Detection Rate (%) | Regulated Threshold level (dBm) | Margin (dB) |
|-------------|---------------------|------------------|-----------------------|--------------------------------|--------------------|---------------------------------|-------------|
| UNII Band 5 | 6135 | 20 | 6135 | -64.32 | 100 | -63 | 1.32 |
| | 6185 | 160 | 6110 | -67.02 | 100 | -63 | 4.02 |
| | | | 6185 | -66.87 | 100 | -63 | 3.87 |
| | | | 6260 | -67 | 100 | -63 | 4 |
| UNII Band 6 | 6455 | 20 | 6455 | -65.97 | 100 | -61.9 | 4.07 |
| | 6505 | 160 | 6430 | -66.7 | 100 | -61.9 | 4.8 |
| | | | 6505 | -66.6 | 100 | -61.9 | 4.7 |
| | | | 6580 | -66.8 | 100 | -61.9 | 4.9 |
| UNII Band 7 | 6695 | 20 | 6695 | -64.94 | 100 | -63.5 | 1.44 |
| | 6665 | 160 | 6590 | -67.23 | 100 | -63.5 | 3.73 |
| | | | 6665 | -67.36 | 100 | -63.5 | 3.86 |
| | | | 6740 | -68.29 | 100 | -63.5 | 4.79 |
| UNII Band 8 | 7015 | 20 | 7015 | -66.45 | 100 | -64.8 | 1.65 |
| | 6985 | 160 | 6910 | -68.51 | 100 | -64.8 | 3.71 |
| | | | 6985 | -67.47 | 100 | -64.8 | 2.67 |
| | | | 7060 | -67.55 | 100 | -64.8 | 2.75 |

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

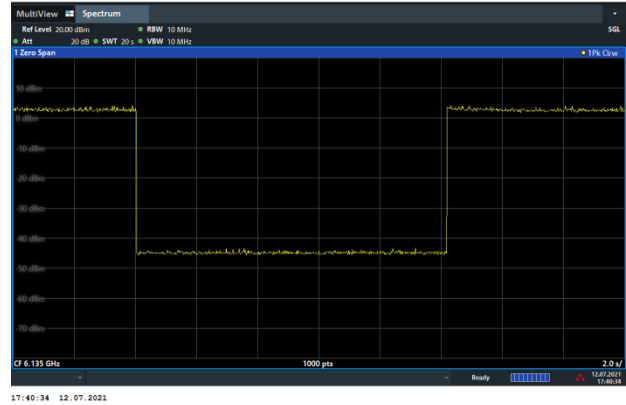
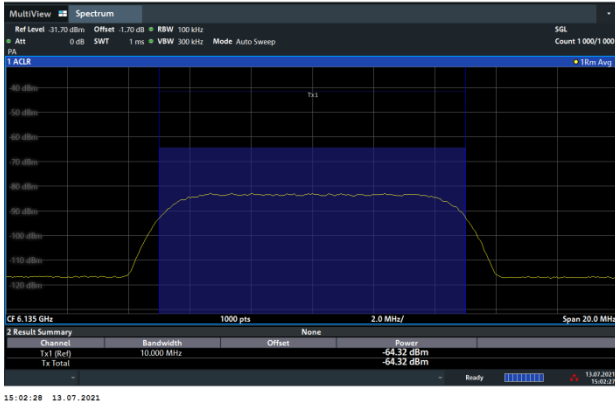


3.5.7 Test Plots of Contention Based Protocol Test

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

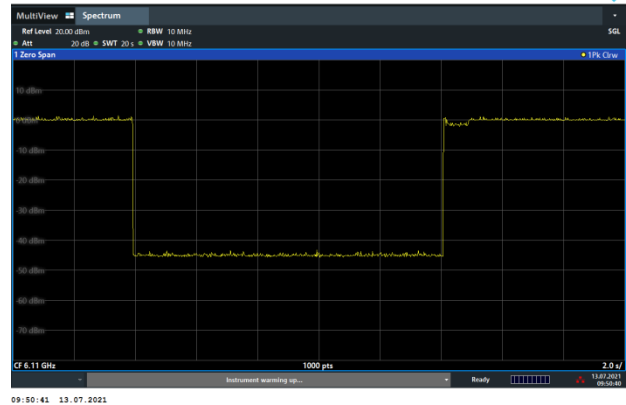
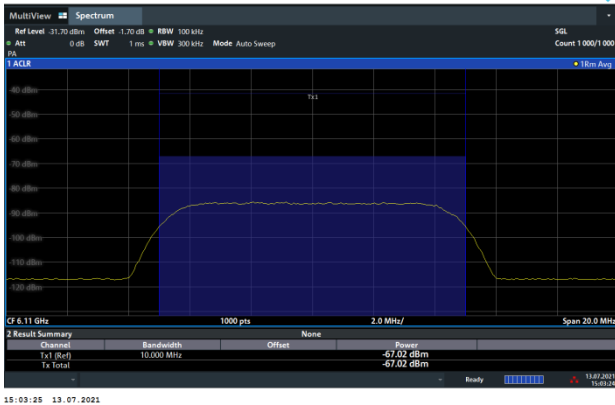
802.11ax (HE20) / 6135MHz
Threshold Level (TL) = -64.32dBm/MHz

802.11ax (HE20) / CH37
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -67.02dBm/MHz

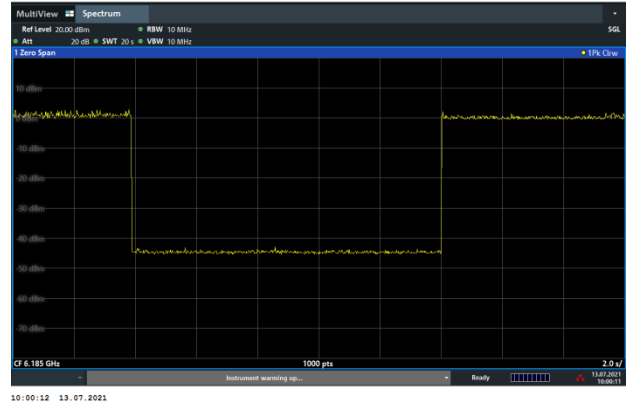
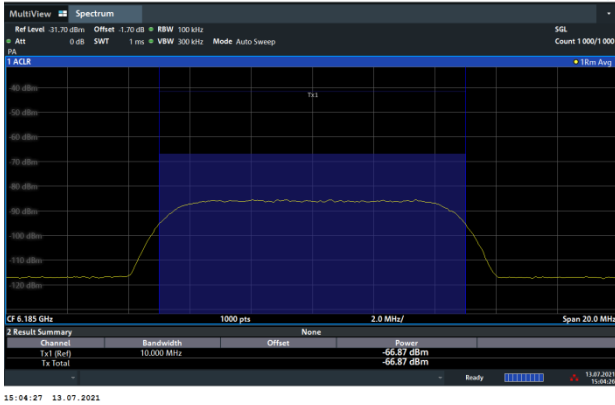
802.11ax (HE160) / CH47 (Lower edge)
Test result is pass due to no transmission occur.





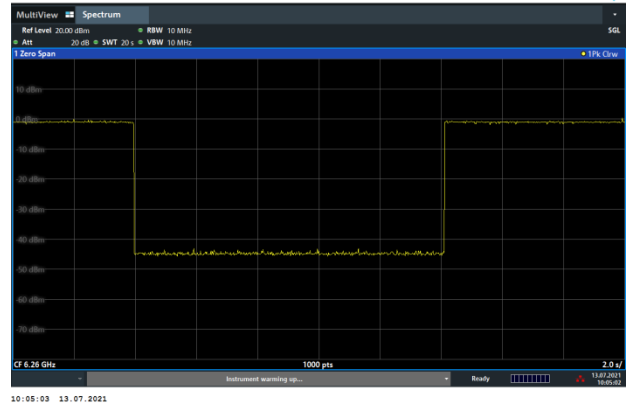
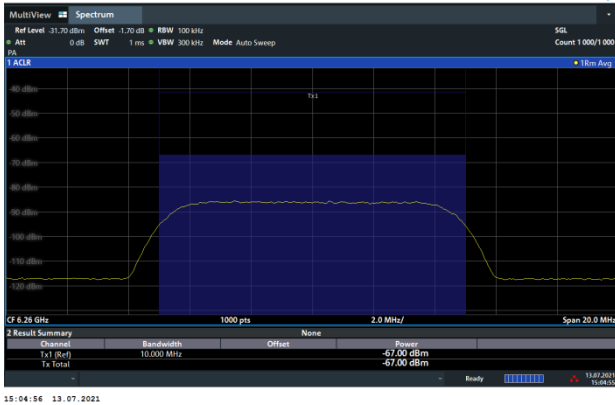
802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -66.87dBm/MHz

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



802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -67dBm/MHz

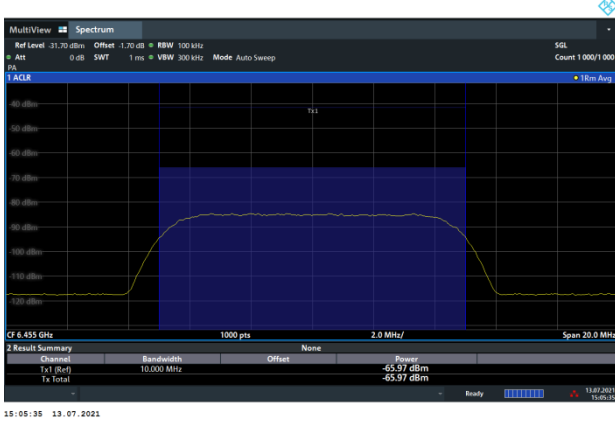
802.11ax (HE160) / CH47 (Upper edge)
Test result is pass due to no transmission occur.



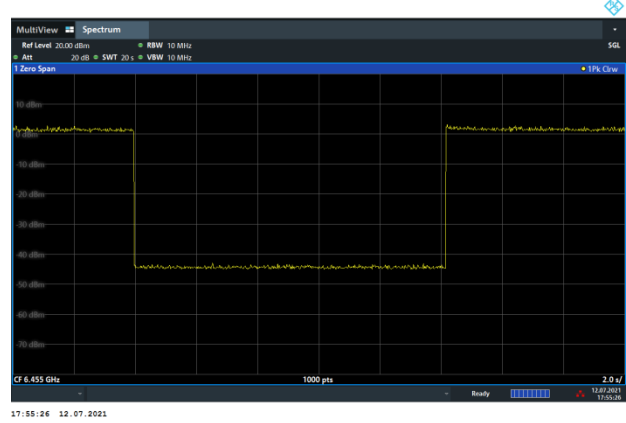


Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

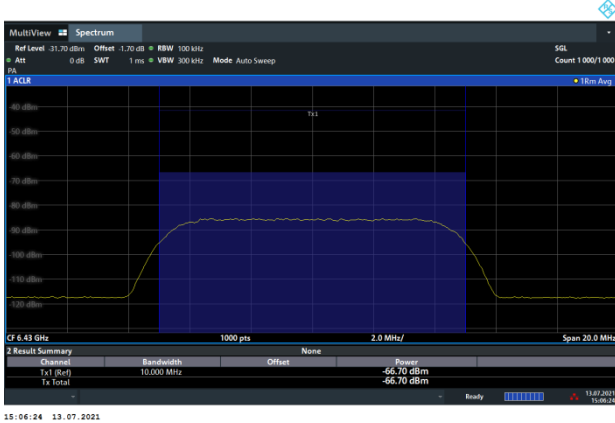
802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -65.97dBm/MHz



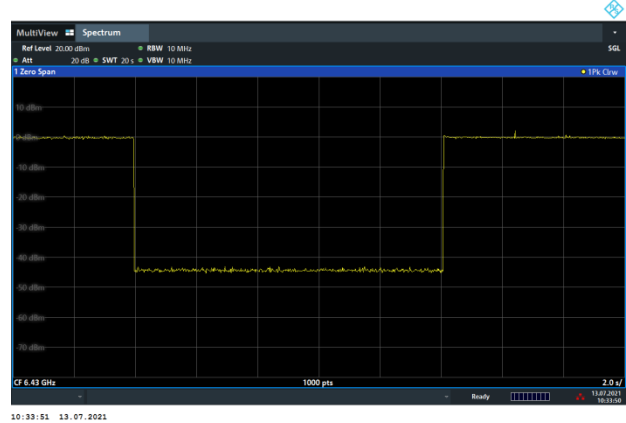
802.11ax (HE20) / CH101
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -66.7dBm/MHz



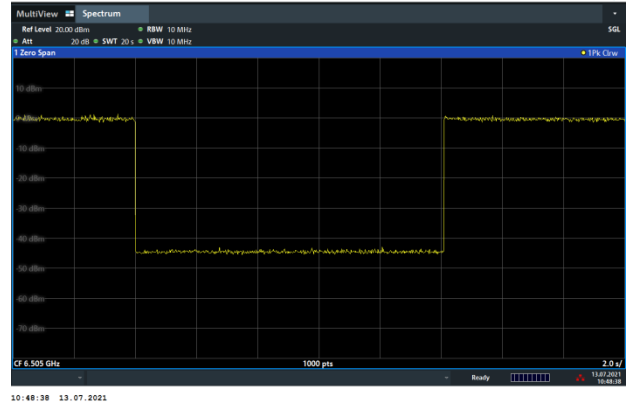
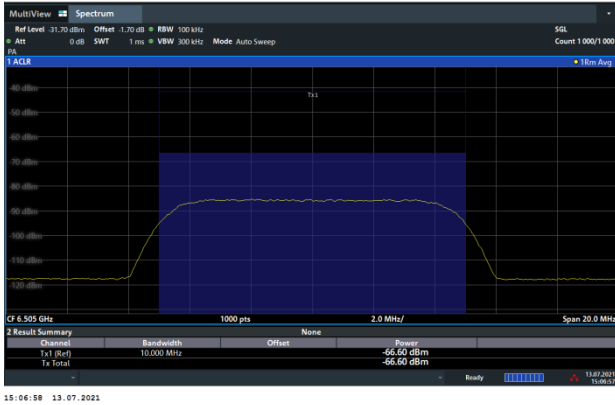
802.11ax (HE160) / CH111 (Lower edge)
Test result is pass due to no transmission occur.





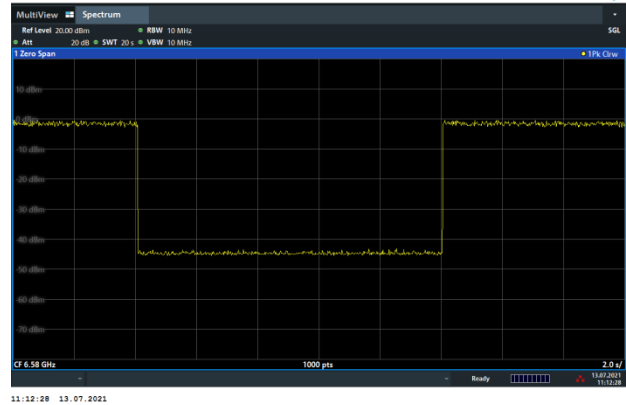
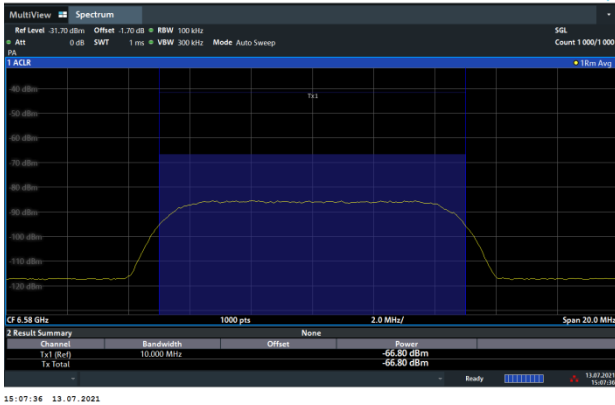
802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -66.6dBm/MHz

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



802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -66.8dBm/MHz

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



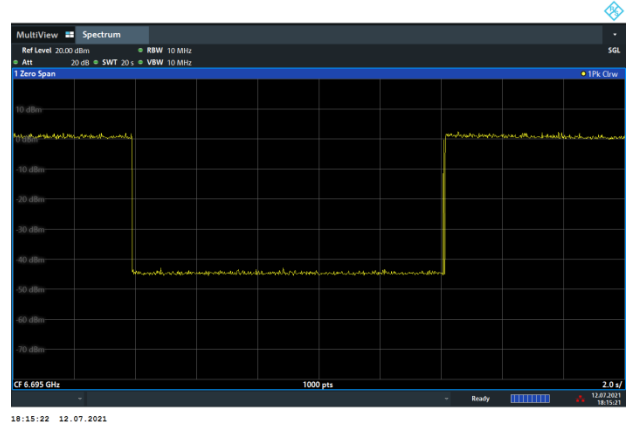


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -64.94dBm/MHz



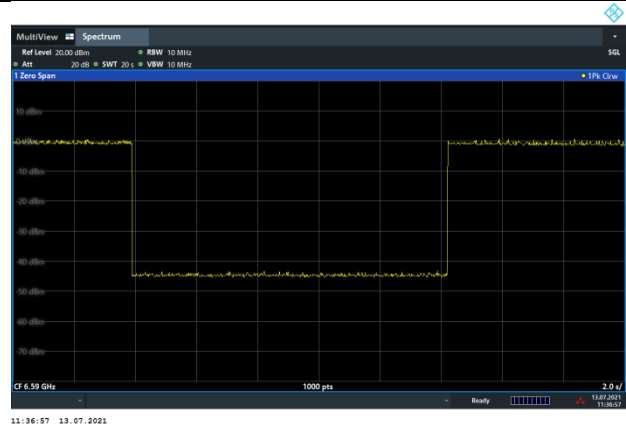
802.11ax (HE20) / CH149
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -67.23dBm/MHz



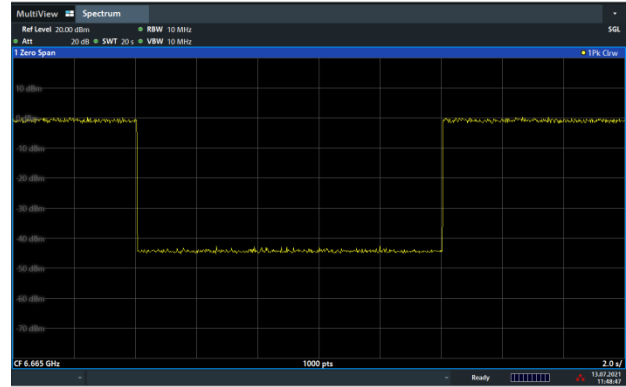
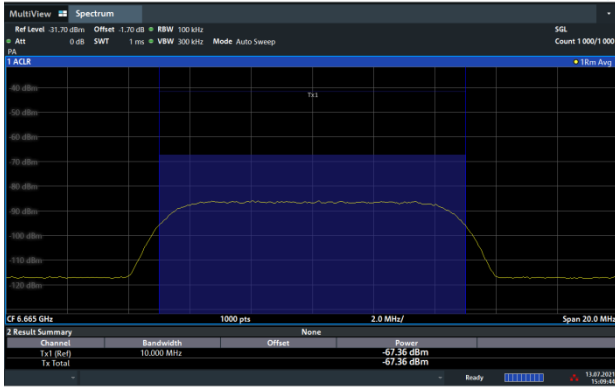
802.11ax (HE160) / CH143 (Lower edge)
Test result is pass due to no transmission occur.





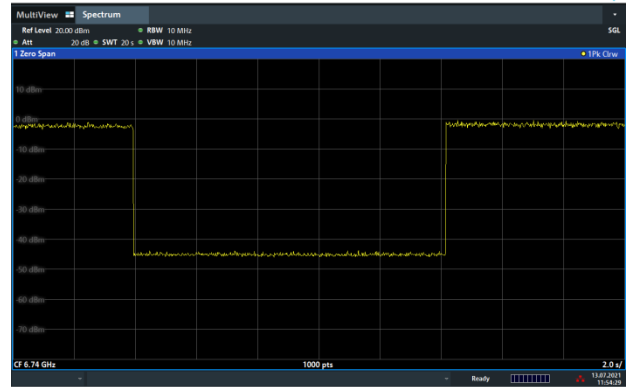
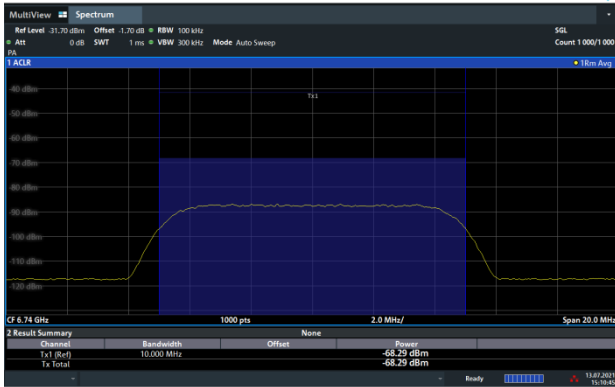
802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -67.36dBm/MHz

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



802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -68.29dBm/MHz

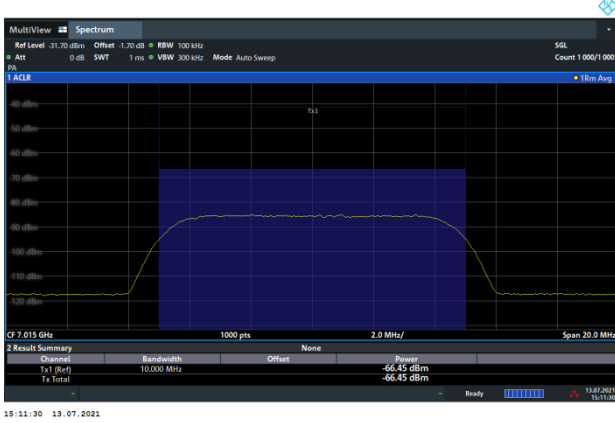
802.11ax (HE160) / CH143 (Upper edge)
Test result is pass due to no transmission occur.



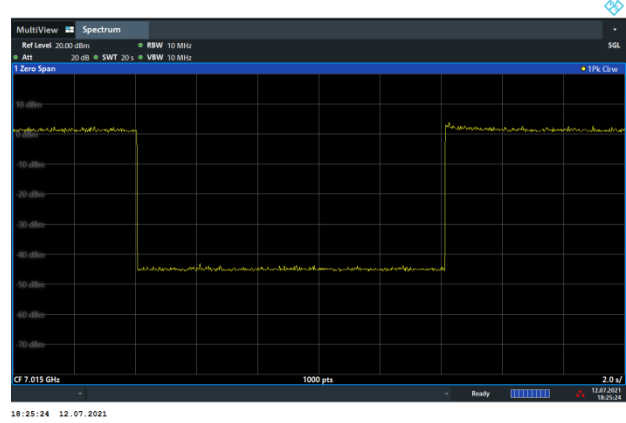


Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

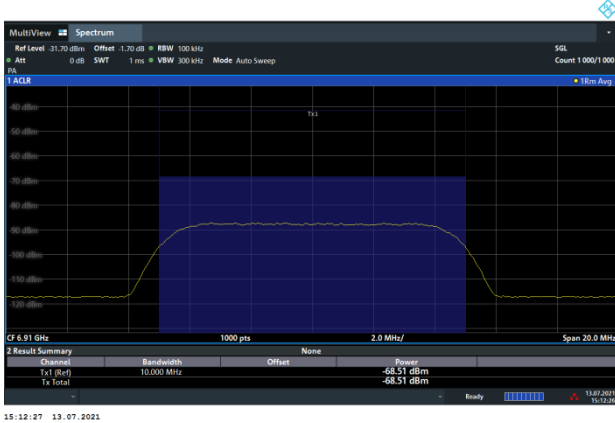
802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -66.45dBm/MHz



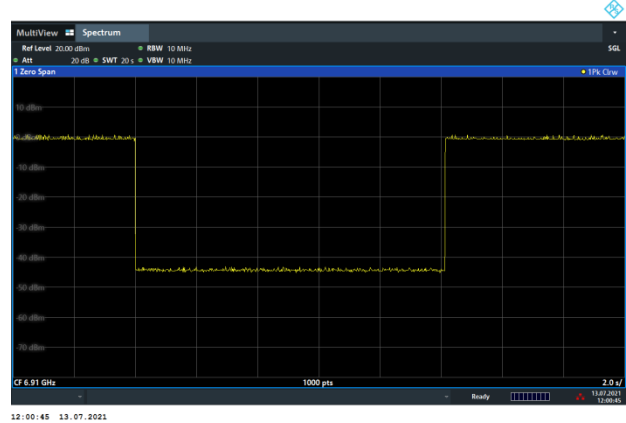
802.11ax (HE20) / CH213
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -68.51dBm/MHz



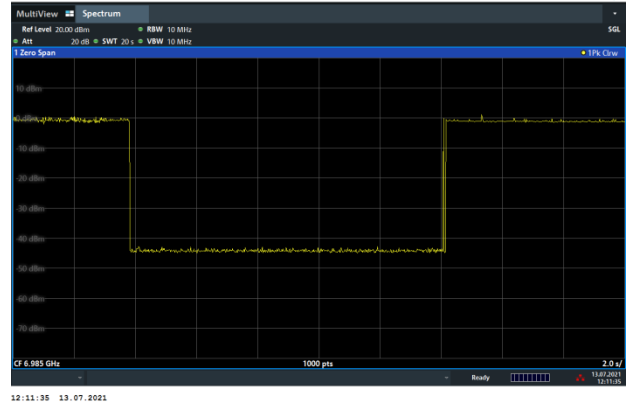
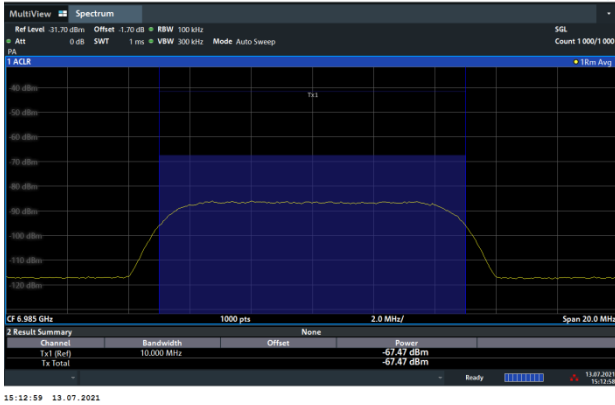
802.11ax (HE160) / CH207 (Lower edge)
Test result is pass due to no transmission occur.





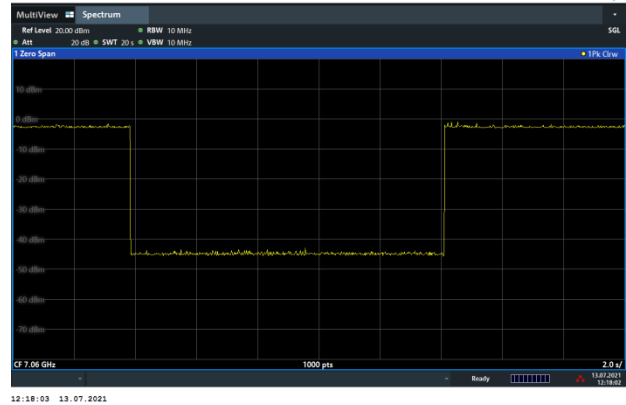
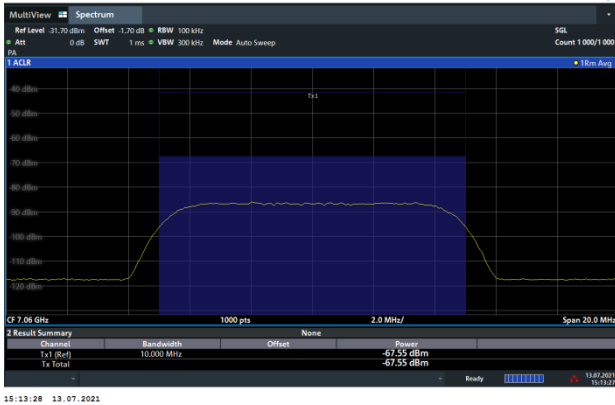
802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -67.47dBm/MHz

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



802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -67.55dBm/MHz

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



3.6 Unwanted Emissions Measurement

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

3.6.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.



3.6.3 Test Procedures

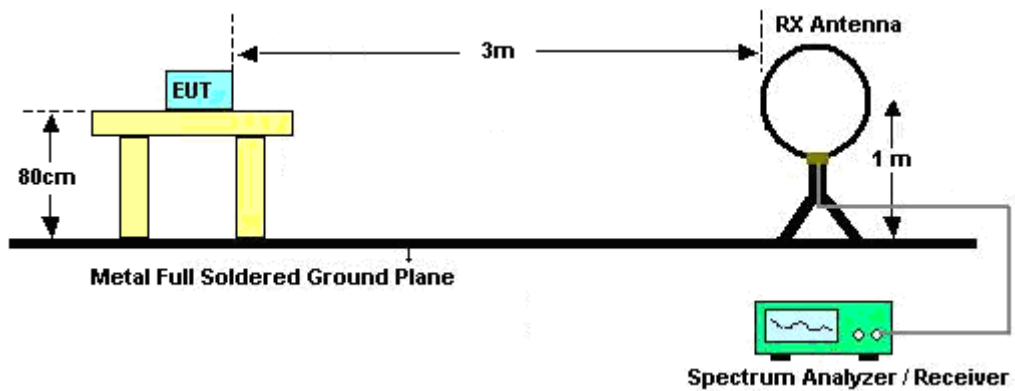
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak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

7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0degree to 360 degree to find the peak maximum hold reading for scanning all frequencies.

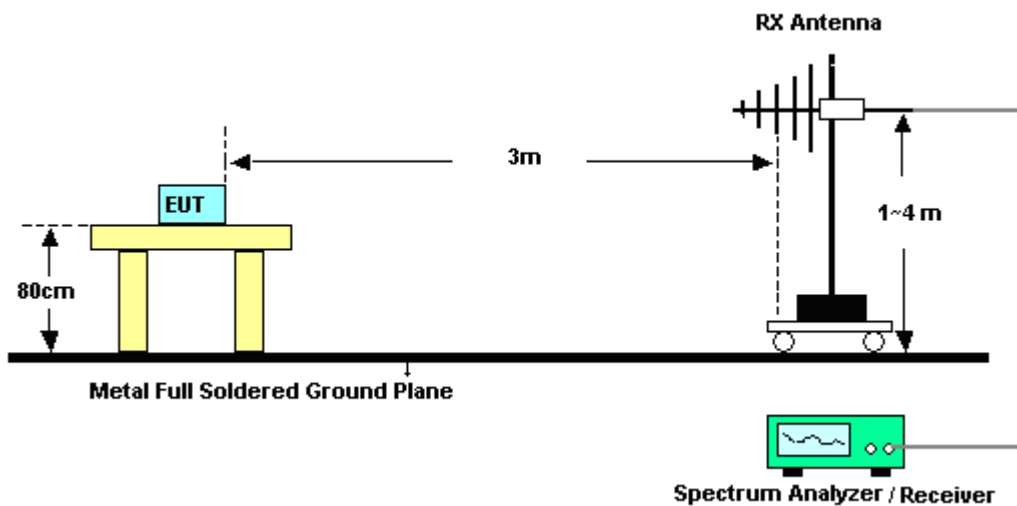
When there is no suspected emission found and the harmonic emission level is with at least 6dB margin against average limit line, the position is marked as “-”.

3.6.4 Test Setup

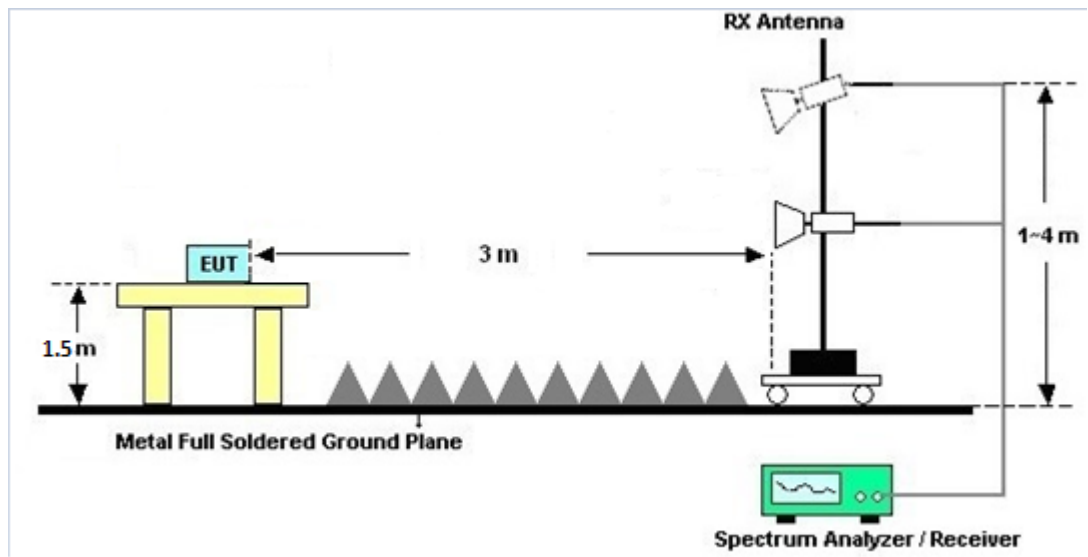
For radiated emissions below 30MHz



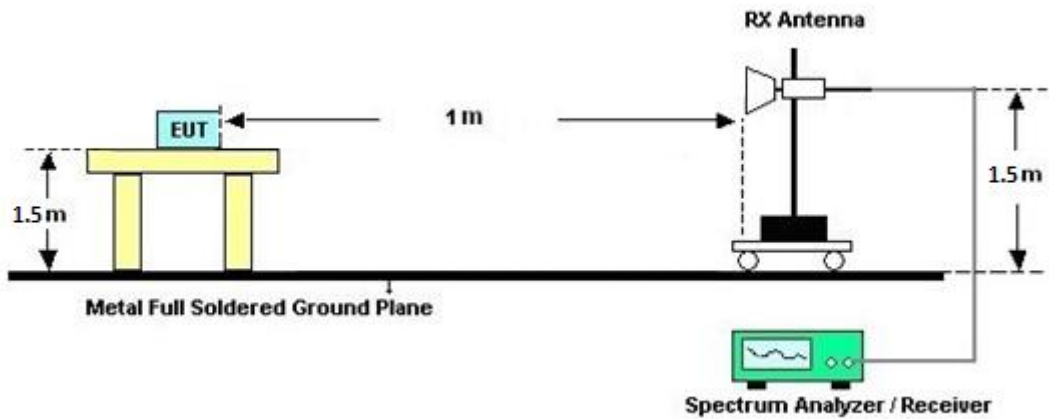
For radiated emissions from 30MHz to 1GHz



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 started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

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

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.6.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

3.7.2 Measuring Instruments

See list of measuring equipment of this test report.

3.7.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was 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 sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.7.4 Test Setup



3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.8 Antenna Requirements

3.8.1 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.2 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

where

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

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

N_{ANT} = the total number of antennas

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

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



| | Ant. 4 (dBi) | Ant. 3 (dBi) | DG for Power (dBi) | DG for PSD (dBi) |
|---------------------|-----------------|-----------------|-----------------------------|---------------------------|
| 5925 MHz ~ 6425 MHz | -1.00 | -0.10 | -0.10 | 2.47 |
| 6425 MHz ~ 6525 MHz | 0.50 | 0.10 | 0.50 | 3.31 |
| 6525 MHz ~ 6875 MHz | -1.50 | -1.40 | -1.40 | 1.56 |
| 6875 MHz ~ 7125 MHz | -0.80 | -2.80 | -0.80 | 1.27 |

Calculation example:

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

$$10 \times \log \left\{ \left[10^{(-1.0 \text{ dBi} / 20)} + 10^{(-0.1 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

= 2.47 dBi



4 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-------------------------|-------------------|-----------------------------------|----------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100488 | 9 kHz~30 MHz | Jul. 14, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Jul. 13, 2021 | Radiation (03CH16-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00802N1D01 N-06 | 47020 & 06 | 30MHz to 1GHz | Oct. 11, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Oct. 10, 2021 | Radiation (03CH16-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-152 2 | 1G~18GHz | Sep. 29, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Sep. 28, 2021 | Radiation (03CH16-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA 9170 | 00993 | 18GHz ~40GHz | Nov. 19, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Nov. 18, 2021 | Radiation (03CH16-HY) |
| Amplifier | SONOMA | 310N | 371607 | 9kHz~1G | Sep. 30, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Sep. 29, 2021 | Radiation (03CH16-HY) |
| Amplifier | EMCI | EMC051845S E | 980729 | 1-18GHz | Jul. 10, 2020 | Jun. 11, 2021~ Jun. 30, 2021 | Jul. 09, 2021 | Radiation (03CH16-HY) |
| Preamplifier | Jet-Power | JPA0118-55-3 03 | 171000180 0054001 | 1-18GHz | Jun. 16, 2021 | Jul. 01, 2021~ Jul. 07, 2021 | Jun. 15, 2022 | Radiation (03CH16-HY) |
| Preamplifier | Keysight | 83017A | MY532702 64 | 1GHz~26.5GHz | Dec. 10, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Dec. 09, 2021 | Radiation (03CH16-HY) |
| Preamplifier | EMEC | EM18G40G | 060715 | 18GHz~40GHz | Dec. 11, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Dec. 10, 2021 | Radiation (03CH16-HY) |
| EMI Test Receiver | Keysight | N9038A(MXE) | MY572901 11 | 3Hz~26.5GHz | Dec. 11, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Dec. 10, 2021 | Radiation (03CH16-HY) |
| EMI Test Receiver | Keysight | N9010B | MY602405 20 | 3Hz ~40GHz | Dec. 02, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Dec. 01, 2021 | Radiation (03CH16-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY11680/ 4PE | NA | Aug. 29, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Aug. 28, 2021 | Radiation (03CH16-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY11688/ 4PE | NA | Aug. 29, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Aug. 28, 2021 | Radiation (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 | Radiation (03CH16-HY) |
| Hygrometer | TECPEL | DTM-303B | TP200881 | QA-3-031 | Oct. 22, 2020 | Jun. 11, 2021~ Jul. 07, 2021 | Oct. 21, 2021 | Radiation (03CH16-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-001136 | N/A | N/A | Jun. 11, 2021~ Jul. 07, 2021 | N/A | Radiation (03CH16-HY) |
| Controller | ChainTek | 3000-1 | N/A | Control Turn table & Ant Mast | N/A | Jun. 11, 2021~ Jul. 07, 2021 | N/A | Radiation (03CH16-HY) |
| Antenna Mast | ChainTek | MBS-520-1 | N/A | 1m~4m | N/A | Jun. 11, 2021~ Jul. 07, 2021 | N/A | Radiation (03CH16-HY) |
| Turn Table | ChainTek | T-200-S-1 | N/A | 0~360 Degree | N/A | Jun. 11, 2021~ Jul. 07, 2021 | N/A | Radiation (03CH16-HY) |



| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-------------------------------|-----------------|--|--------------------|-----------------|-------------------------|---------------------------------|-------------------------|-------------------------|
| Hygrometer | Testo | 608-H1 | 34893241 | N/A | Mar. 03, 2021 | Jun. 25, 2021~ Aug. 23, 2021 | Mar. 02, 2022 | Conducted (TH05-HY) |
| Power Sensor | DARE | RPR3006W | 16I00054S NO10 | 10MHz~6GHz | Dec. 09, 2020 | Jun. 25, 2021~ Aug. 23, 2021 | Dec. 08, 2021 | Conducted (TH05-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101566 | 10Hz ~ 40GHz | Jul. 22, 2020 | Jun. 25, 2021~ Jul. 06, 2021 | Jul. 21, 2021 | Conducted (TH05-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101565 | 10Hz ~ 40GHz | Nov. 13, 2020 | Aug. 23, 2021 | Nov. 12, 2021 | Conducted (TH05-HY) |
| Switch Box & RF Cable | EM Electronics | EMSW18SE | SW200302 | N/A | Mar. 17, 2021 | Jun. 25, 2021~ Aug. 23, 2021 | Mar. 16, 2022 | Conducted (TH05-HY) |
| AC Power Source | ACPOWER | AFC-11003G | F3170400 33 | 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 | DCMB1K W7A1 | 0.5GHz-18GHz | Calibration from System | Jul. 12, 2021~ Jul. 13, 2021 | Calibration from System | CBP (DF02-HY) |
| Power Divider | Woken | 2Way Divider | DCMB1K W7A2 | 0.5GHz-18GHz | Calibration from System | Jul. 12, 2021~ Jul. 13, 2021 | Calibration from System | CBP (DF02-HY) |
| Coupler | Woken | 10dB 30W SMA | DOM5CIW 3A1 | 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 | STI08-001 0(#2) | 2GHz-8GHz | Calibration from System | Jul. 12, 2021~ Jul. 13, 2021 | Calibration from System | CBP (DF02-HY) |



5 Uncertainty of Evaluation

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

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

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.1 dB |
|---|--------|

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 6.8 dB |
|---|--------|

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

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

Appendix A. Test Result of Conducted Test Items

| | | | | |
|----------------|---------------------|--------------------|-----------|----|
| Test Engineer: | Richard Qiu | Temperature: | 23.9~25.2 | °C |
| Test Date: | 2021/6/25~2021/8/23 | Relative Humidity: | 50.5~58.7 | % |

TEST RESULTS DATA
26dB and 99% OBW

| Band V MIMO | | | | | | | | | |
|-------------|-----------|-----|-------------|------------|---------------------|--------|-----------------------|--------|------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 4 | Ant 3 | Ant 4 | Ant 3 | |
| HE20 | MCS0 | 2 | 5955 | Full | 19.13 | 19.18 | 21.80 | 21.80 | |
| HE20 | MCS0 | 2 | 6195 | Full | 19.13 | 19.08 | 21.75 | 21.75 | |
| HE20 | MCS0 | 2 | 6415 | Full | 19.13 | 19.13 | 21.90 | 21.95 | |
| HE40 | MCS0 | 2 | 5965 | Full | 37.66 | 37.76 | 40.41 | 39.78 | |
| HE40 | MCS0 | 2 | 6205 | Full | 37.76 | 37.86 | 39.69 | 40.05 | |
| HE40 | MCS0 | 2 | 6405 | Full | 37.86 | 37.76 | 39.87 | 39.60 | |
| HE80 | MCS0 | 2 | 5985 | Full | 77.32 | 77.20 | 82.08 | 81.44 | |
| HE80 | MCS0 | 2 | 6225 | Full | 77.20 | 77.20 | 81.76 | 81.28 | |
| HE80 | MCS0 | 2 | 6385 | Full | 77.20 | 77.08 | 81.92 | 81.60 | |
| HE160 | MCS0 | 2 | 6025 | Full | 156.56 | 156.56 | 165.76 | 165.12 | |
| HE160 | MCS0 | 2 | 6185 | Full | 156.80 | 156.56 | 165.44 | 165.12 | |
| HE160 | MCS0 | 2 | 6345 | Full | 156.56 | 156.56 | 165.76 | 168.31 | |

TEST RESULTS DATA
EIRP Power Table

| FCC Band V MIMO | | | | | | | | | | | | |
|-----------------|-----------|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 5955 | Full | 4.70 | 3.10 | 6.98 | -0.10 | | 6.88 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 5955 | 26/0 | -5.30 | -6.10 | -2.67 | -0.10 | | -2.77 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 5955 | 52/37 | -2.10 | -3.00 | 0.48 | -0.10 | | 0.38 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 5955 | 106/53 | 0.20 | -0.20 | 3.01 | -0.10 | | 2.91 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6195 | Full | 5.00 | 3.90 | 7.50 | -0.10 | | 7.40 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6195 | 26/4 | -4.40 | -5.00 | -1.68 | -0.10 | | -1.78 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6195 | 52/39 | -2.70 | -3.00 | 0.16 | -0.10 | | 0.06 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6195 | 106/53 | 0.30 | 0.20 | 3.26 | -0.10 | | 3.16 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6415 | Full | 4.40 | 3.80 | 7.12 | -0.10 | | 7.02 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6415 | 26/8 | -5.60 | -6.40 | -2.97 | -0.10 | | -3.07 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6415 | 52/40 | -3.00 | -3.80 | -0.37 | -0.10 | | -0.47 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6415 | 106/54 | 0.40 | -0.40 | 3.03 | -0.10 | | 2.93 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 5965 | Full | 7.60 | 6.20 | 9.97 | -0.10 | | 9.87 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6205 | Full | 6.90 | 6.40 | 9.67 | -0.10 | | 9.57 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6405 | Full | 6.90 | 6.00 | 9.48 | -0.10 | | 9.38 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 5985 | Full | 9.80 | 9.00 | 12.43 | -0.10 | | 12.33 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6225 | Full | 9.50 | 9.70 | 12.61 | -0.10 | | 12.51 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6385 | Full | 9.60 | 9.90 | 12.76 | -0.10 | | 12.66 | 24.00 | Pass |
| HE160 | MCS0 | 2 | 6025 | Full | 13.10 | 12.30 | 15.73 | -0.10 | | 15.63 | 24.00 | Pass |
| HE160 | MCS0 | 2 | 6185 | Full | 12.80 | 12.40 | 15.61 | -0.10 | | 15.51 | 24.00 | Pass |
| HE160 | MCS0 | 2 | 6345 | Full | 12.20 | 12.60 | 15.41 | -0.10 | | 15.31 | 24.00 | Pass |

TEST RESULTS DATA
EIRP Power Spectral Density

| FCC Band V MIMO | | | | | | | | | | | | |
|-----------------|-----------|-----|-------------|------------|-----------------------------------|-------|-------|----------|-------|------------------------------|--------------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 5955 | Full | | | -3.86 | 2.47 | -1.38 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 5955 | 26/0 | | | -3.96 | 2.47 | -1.49 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 5955 | 52/37 | | | -3.93 | 2.47 | -1.46 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 5955 | 106/53 | | | -3.95 | 2.47 | -1.48 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6195 | Full | | | -3.58 | 2.47 | -1.11 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6195 | 26/4 | | | -3.61 | 2.47 | -1.14 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6195 | 52/39 | | | -3.74 | 2.47 | -1.27 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6195 | 106/53 | | | -3.70 | 2.47 | -1.23 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6415 | Full | | | -3.68 | 2.47 | -1.21 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6415 | 26/8 | | | -3.78 | 2.47 | -1.31 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6415 | 52/40 | | | -4.02 | 2.47 | -1.55 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6415 | 106/54 | | | -3.83 | 2.47 | -1.35 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 5965 | Full | | | -3.64 | 2.47 | -1.17 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6205 | Full | | | -3.82 | 2.47 | -1.35 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6405 | Full | | | -3.71 | 2.47 | -1.23 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 5985 | Full | | | -3.58 | 2.47 | -1.11 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6225 | Full | | | -3.49 | 2.47 | -1.02 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6385 | Full | | | -3.61 | 2.47 | -1.14 | -1.00 | Pass | |
| HE160 | MCS0 | 2 | 6025 | Full | | | -3.57 | 2.47 | -1.10 | -1.00 | Pass | |
| HE160 | MCS0 | 2 | 6185 | Full | | | -3.49 | 2.47 | -1.02 | -1.00 | Pass | |
| HE160 | MCS0 | 2 | 6345 | Full | | | -3.59 | 2.47 | -1.12 | -1.00 | Pass | |

TEST RESULTS DATA
26dB and 99% OBW

| Band VI MIMO | | | | | | | | | |
|--------------|-----------|-----|-------------|------------|---------------------|--------|-----------------------|--------|-------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 4 | Ant 3 | Ant 4 | Ant 3 | |
| HE20 | MCS0 | 2 | 6435 | Full | 19.08 | 19.13 | 21.90 | 21.95 | |
| HE20 | MCS0 | 2 | 6475 | Full | 19.08 | 19.08 | 21.75 | 21.90 | |
| HE20 | MCS0 | 2 | 6515 | Full | 19.18 | 19.13 | 21.90 | 22.10 | |
| HE40 | MCS0 | 2 | 6445 | Full | 37.86 | 37.76 | 39.96 | 39.96 | |
| HE40 | MCS0 | 2 | 6485 | Full | 37.76 | 37.76 | 39.96 | 39.60 | |
| HE40 | MCS0 | 2 | 6525 | Full | 37.86 | 37.66 | 40.05 | 39.96 | Straddle CH |
| HE80 | MCS0 | 2 | 6465 | Full | 77.20 | 77.08 | 81.76 | 82.08 | |
| HE80 | MCS0 | 2 | 6545 | Full | 77.32 | 77.32 | 82.08 | 81.92 | Straddle CH |
| HE160 | MCS0 | 2 | 6505 | Full | 156.56 | 156.56 | 166.40 | 164.48 | Straddle CH |

TEST RESULTS DATA
EIRP Power Table

| FCC Band VI MIMO | | | | | | | | | | | | |
|------------------|-----------|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6435 | Full | 3.40 | 2.40 | 5.94 | 0.50 | | 6.44 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6435 | 26/0 | -6.80 | -7.60 | -4.17 | 0.50 | | -3.67 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6435 | 52/37 | -3.60 | -4.30 | -0.93 | 0.50 | | -0.43 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6435 | 106/53 | -0.60 | -1.00 | 2.21 | 0.50 | | 2.71 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6475 | Full | 3.70 | 2.90 | 6.33 | 0.50 | | 6.83 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6475 | 26/4 | -5.60 | -5.80 | -2.69 | 0.50 | | -2.19 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6475 | 52/39 | -3.50 | -3.90 | -0.69 | 0.50 | | -0.19 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6475 | 106/54 | -0.20 | -1.00 | 2.43 | 0.50 | | 2.93 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6515 | Full | 3.40 | 2.40 | 5.94 | 0.50 | | 6.44 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6515 | 26/8 | -6.10 | -6.80 | -3.43 | 0.50 | | -2.93 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6515 | 52/40 | -3.40 | -4.00 | -0.68 | 0.50 | | -0.18 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6515 | 106/54 | -0.10 | -0.70 | 2.62 | 0.50 | | 3.12 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6445 | Full | 6.00 | 5.60 | 8.81 | 0.50 | | 9.31 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6485 | Full | 5.60 | 5.50 | 8.56 | 0.50 | | 9.06 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6465 | Full | 9.50 | 8.30 | 11.95 | 0.50 | | 12.45 | 24.00 | Pass |

| FCC Band VI straddle channel MIMO | | | | | | | | | | | | |
|-----------------------------------|-----------|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE40 | MCS0 | 2 | 6525 | Full | 7.80 | 7.50 | 10.66 | 0.50 | | 11.16 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6545 | Full | 9.40 | 8.50 | 11.98 | 0.50 | | 12.48 | 24.00 | Pass |
| HE160 | MCS0 | 2 | 6505 | Full | 11.50 | 11.50 | 14.51 | 0.50 | | 15.01 | 24.00 | Pass |

TEST RESULTS DATA
EIRP Power Spectral Density

| Band VI MIMO | | | | | | | | | | | | |
|--------------|-----------|-----|-------------|------------|-----------------------------------|-------|-------|----------|-------|------------------------------|--------------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6435 | Full | | | -4.66 | 3.31 | -1.35 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6435 | 26/0 | | | -4.81 | 3.31 | -1.50 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6435 | 52/37 | | | -4.68 | 3.31 | -1.37 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6435 | 106/53 | | | -4.83 | 3.31 | -1.52 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6475 | Full | | | -4.68 | 3.31 | -1.36 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6475 | 26/4 | | | -4.73 | 3.31 | -1.42 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6475 | 52/39 | | | -4.74 | 3.31 | -1.43 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6475 | 106/54 | | | -4.74 | 3.31 | -1.42 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6515 | Full | | | -4.36 | 3.31 | -1.05 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6515 | 26/8 | | | -4.52 | 3.31 | -1.20 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6515 | 52/40 | | | -4.54 | 3.31 | -1.23 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6515 | 106/54 | | | -4.40 | 3.31 | -1.09 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6445 | Full | | | -4.60 | 3.31 | -1.29 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6485 | Full | | | -4.66 | 3.31 | -1.35 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6465 | Full | | | -4.39 | 3.31 | -1.07 | -1.00 | Pass | |

| FCC Band VI straddle channel MIMO | | | | | | | | | | | | |
|-----------------------------------|-----------|-----|-------------|------------|-----------------------------------|-------|-------|----------|-------|------------------------------|--------------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE40 | MCS0 | 2 | 6525 | Full | | | -4.33 | 3.31 | -1.02 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6545 | Full | | | -4.37 | 3.31 | -1.05 | -1.00 | Pass | |
| HE160 | MCS0 | 2 | 6505 | Full | | | -4.47 | 3.31 | -1.16 | -1.00 | Pass | |

TEST RESULTS DATA
26dB and 99% OBW

| Band VII MIMO | | | | | | | | | |
|---------------|-----------|-----|-------------|------------|---------------------|--------|-----------------------|--------|-------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 4 | Ant 3 | Ant 4 | Ant 3 | |
| HE20 | MCS0 | 2 | 6535 | Full | 19.13 | 19.08 | 21.65 | 21.60 | |
| HE20 | MCS0 | 2 | 6695 | Full | 19.13 | 19.08 | 21.89 | 21.80 | |
| HE20 | MCS0 | 2 | 6855 | Full | 19.13 | 19.18 | 21.80 | 21.65 | |
| HE20 | MCS0 | 2 | 6875 | Full | 19.08 | 19.13 | 21.90 | 21.70 | Straddle CH |
| HE40 | MCS0 | 2 | 6565 | Full | 37.76 | 37.76 | 39.87 | 40.05 | |
| HE40 | MCS0 | 2 | 6685 | Full | 37.76 | 37.86 | 39.78 | 39.60 | |
| HE40 | MCS0 | 2 | 6845 | Full | 37.76 | 37.86 | 39.78 | 39.87 | |
| HE40 | MCS0 | 2 | 6885 | Full | 37.96 | 37.86 | 39.87 | 39.60 | Straddle CH |
| HE80 | MCS0 | 2 | 6625 | Full | 77.20 | 77.08 | 82.40 | 81.60 | |
| HE80 | MCS0 | 2 | 6705 | Full | 77.08 | 77.08 | 81.92 | 81.28 | |
| HE80 | MCS0 | 2 | 6785 | Full | 77.08 | 77.08 | 81.92 | 81.60 | |
| HE80 | MCS0 | 2 | 6865 | Full | 77.08 | 77.20 | 82.24 | 81.60 | Straddle CH |
| HE160 | MCS0 | 2 | 6665 | Full | 156.32 | 156.32 | 165.44 | 165.76 | |
| HE160 | MCS0 | 2 | 6825 | Full | 156.32 | 156.80 | 164.80 | 187.18 | Straddle CH |

TEST RESULTS DATA
EIRP Power Table

| FCC Band VII MIMO | | | | | | | | | | | | |
|-------------------|-----------|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6535 | Full | 5.60 | 4.90 | 8.27 | -1.40 | | 6.87 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6535 | 26/0 | -4.40 | -4.80 | -1.59 | -1.40 | | -2.99 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6535 | 52/37 | -1.90 | -1.60 | 1.26 | -1.40 | | -0.14 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6535 | 106/53 | 1.40 | 1.10 | 4.26 | -1.40 | | 2.86 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6695 | Full | 5.30 | 5.20 | 8.26 | -1.40 | | 6.86 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6695 | 26/4 | -3.40 | -4.20 | -0.77 | -1.40 | | -2.17 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6695 | 52/38 | -1.70 | -2.00 | 1.16 | -1.40 | | -0.24 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6695 | 106/53 | 1.50 | 1.00 | 4.27 | -1.40 | | 2.87 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6855 | Full | 5.50 | 4.50 | 8.04 | -1.40 | | 6.64 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6855 | 26/8 | -4.40 | -5.00 | -1.68 | -1.40 | | -3.08 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6855 | 52/40 | -1.80 | -2.10 | 1.06 | -1.40 | | -0.34 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6855 | 106/54 | 1.20 | 0.60 | 3.92 | -1.40 | | 2.52 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6565 | Full | 7.60 | 7.50 | 10.56 | -1.40 | | 9.16 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6685 | Full | 7.40 | 6.90 | 10.17 | -1.40 | | 8.77 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6845 | Full | 7.90 | 7.30 | 10.62 | -1.40 | | 9.22 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6625 | Full | 11.20 | 10.00 | 13.65 | -1.40 | | 12.25 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6705 | Full | 11.00 | 10.10 | 13.58 | -1.40 | | 12.18 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6785 | Full | 11.20 | 10.40 | 13.83 | -1.40 | | 12.43 | 24.00 | Pass |
| HE160 | MCS0 | 2 | 6665 | Full | 13.50 | 13.00 | 16.27 | -1.40 | | 14.87 | 24.00 | Pass |

| FCC Band VII straddle channel MIMO | | | | | | | | | | | | |
|------------------------------------|-----------|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6875 | Full | 6.00 | 4.60 | 8.37 | -1.40 | | 6.97 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6875 | 26/8 | -4.00 | -4.80 | -1.37 | -1.40 | | -2.77 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6875 | 52/40 | -1.50 | -1.90 | 1.31 | -1.40 | | -0.09 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6875 | 106/54 | 1.90 | 1.20 | 4.57 | -1.40 | | 3.17 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6885 | Full | 8.50 | 8.00 | 11.27 | -1.40 | | 9.87 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6865 | Full | 11.00 | 10.40 | 13.72 | -1.40 | | 12.32 | 24.00 | Pass |
| HE160 | MCS0 | 2 | 6825 | Full | 13.60 | 13.10 | 16.37 | -1.40 | | 14.97 | 24.00 | Pass |

TEST RESULTS DATA
EIRP Power Spectral Density

| FCC Band VII MIMO | | | | | | | | | | | | |
|-------------------|-----------|-----|-------------|------------|-----------------------------------|-------|-------|----------|-------|------------------------------|--------------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6535 | Full | | | -2.75 | 1.56 | -1.19 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6535 | 26/0 | | | -2.79 | 1.56 | -1.23 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6535 | 52/37 | | | -2.95 | 1.56 | -1.39 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6535 | 106/53 | | | -2.98 | 1.56 | -1.41 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6695 | Full | | | -2.77 | 1.56 | -1.21 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6695 | 26/4 | | | -2.85 | 1.56 | -1.29 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6695 | 52/38 | | | -3.07 | 1.56 | -1.51 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6695 | 106/53 | | | -3.05 | 1.56 | -1.48 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6855 | Full | | | -2.78 | 1.56 | -1.22 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6855 | 26/8 | | | -2.79 | 1.56 | -1.23 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6855 | 52/40 | | | -2.92 | 1.56 | -1.36 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6855 | 106/54 | | | -2.99 | 1.56 | -1.42 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6565 | Full | | | -2.61 | 1.56 | -1.05 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6685 | Full | | | -2.80 | 1.56 | -1.24 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6845 | Full | | | -2.84 | 1.56 | -1.28 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6625 | Full | | | -2.59 | 1.56 | -1.03 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6705 | Full | | | -2.66 | 1.56 | -1.10 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6785 | Full | | | -2.61 | 1.56 | -1.05 | -1.00 | Pass | |
| HE160 | MCS0 | 2 | 6665 | Full | | | -2.64 | 1.56 | -1.08 | -1.00 | Pass | |

| FCC Band VII straddle channel MIMO | | | | | | | | | | | | |
|------------------------------------|-----------|-----|-------------|------------|-----------------------------------|-------|-------|----------|-------|------------------------------|--------------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6875 | Full | | | -2.66 | 1.56 | -1.10 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6875 | 26/8 | | | -2.85 | 1.56 | -1.29 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6875 | 52/40 | | | -2.96 | 1.56 | -1.40 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6875 | 106/54 | | | -2.79 | 1.56 | -1.23 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6885 | Full | | | -2.76 | 1.56 | -1.20 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6865 | Full | | | -2.65 | 1.56 | -1.09 | -1.00 | Pass | |
| HE160 | MCS0 | 2 | 6825 | Full | | | -2.64 | 1.56 | -1.08 | -1.00 | Pass | |

TEST RESULTS DATA
26dB EBW and 99% OBW

| Band VIII MIMO | | | | | | | | | |
|----------------|-----------|-----|-------------|------------|---------------------|--------|-----------------------|--------|------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 4 | Ant 3 | Ant 4 | Ant 3 | |
| HE20 | MCS0 | 2 | 6895 | Full | 19.08 | 19.13 | 21.70 | 21.90 | |
| HE20 | MCS0 | 2 | 6995 | Full | 19.03 | 19.08 | 21.65 | 21.70 | |
| HE20 | MCS0 | 2 | 7095 | Full | 19.08 | 19.13 | 21.80 | 21.85 | |
| HE40 | MCS0 | 2 | 6925 | Full | 37.86 | 37.76 | 40.05 | 39.69 | |
| HE40 | MCS0 | 2 | 7005 | Full | 37.76 | 37.96 | 39.69 | 39.87 | |
| HE40 | MCS0 | 2 | 7085 | Full | 37.86 | 37.96 | 39.78 | 39.69 | |
| HE80 | MCS0 | 2 | 6945 | Full | 77.08 | 77.08 | 82.24 | 81.60 | |
| HE80 | MCS0 | 2 | 7025 | Full | 77.20 | 77.20 | 81.76 | 81.12 | |
| HE160 | MCS0 | 2 | 6985 | Full | 156.32 | 156.32 | 165.44 | 178.23 | |

TEST RESULTS DATA
EIRP Power Table

| Band VIII MIMO | | | | | | | | | | | | |
|----------------|-----------|-----|-------------|------------|-----------------------|-------|-------|----------|-------|------------------|------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6895 | Full | 6.10 | 5.40 | 8.77 | -0.80 | | 7.97 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6895 | 26/0 | -3.50 | -4.50 | -0.96 | -0.80 | | -1.76 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6895 | 52/37 | -1.10 | -1.50 | 1.71 | -0.80 | | 0.91 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6895 | 106/53 | 2.30 | 1.70 | 5.02 | -0.80 | | 4.22 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6995 | Full | 6.60 | 5.20 | 8.97 | -0.80 | | 8.17 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6995 | 26/4 | -3.40 | -4.40 | -0.86 | -0.80 | | -1.66 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6995 | 52/38 | -1.40 | -1.90 | 1.37 | -0.80 | | 0.57 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 6995 | 106/53 | 1.80 | 1.60 | 4.71 | -0.80 | | 3.91 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 7095 | Full | 6.50 | 4.70 | 8.70 | -0.80 | | 7.90 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 7095 | 26/8 | -3.20 | -4.10 | -0.62 | -0.80 | | -1.42 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 7095 | 52/40 | -0.70 | -1.60 | 1.88 | -0.80 | | 1.08 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 7095 | 106/54 | 2.60 | 1.60 | 5.14 | -0.80 | | 4.34 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 6925 | Full | 8.80 | 8.10 | 11.47 | -0.80 | | 10.67 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 7005 | Full | 8.50 | 7.20 | 10.91 | -0.80 | | 10.11 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 7085 | Full | 9.00 | 8.00 | 11.54 | -0.80 | | 10.74 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 6945 | Full | 11.40 | 10.40 | 13.94 | -0.80 | | 13.14 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 7025 | Full | 11.50 | 10.20 | 13.91 | -0.80 | | 13.11 | 24.00 | Pass |
| HE160 | MCS0 | 2 | 6985 | Full | 13.90 | 13.10 | 16.53 | -0.80 | | 15.73 | 24.00 | Pass |

TEST RESULTS DATA
EIRP Power Spectral Density

| FCC Band VIII MIMO | | | | | | | | | | | | |
|--------------------|-----------|-----|-------------|------------|-----------------------------------|-------|-------|----------|-------|------------------------------|--------------------------------|------------|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 4 | Ant 3 | SUM | Ant 4 | Ant 3 | | | |
| HE20 | MCS0 | 2 | 6895 | Full | | | -2.60 | 1.27 | -1.33 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6895 | 26/0 | | | -2.67 | 1.27 | -1.40 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6895 | 52/37 | | | -2.93 | 1.27 | -1.66 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6895 | 106/53 | | | -2.74 | 1.27 | -1.47 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6995 | Full | | | -2.70 | 1.27 | -1.43 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6995 | 26/4 | | | -2.73 | 1.27 | -1.46 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6995 | 52/38 | | | -2.92 | 1.27 | -1.66 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 6995 | 106/53 | | | -2.75 | 1.27 | -1.49 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 7095 | Full | | | -2.81 | 1.27 | -1.55 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 7095 | 26/8 | | | -3.02 | 1.27 | -1.76 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 7095 | 52/40 | | | -3.06 | 1.27 | -1.79 | -1.00 | Pass | |
| HE20 | MCS0 | 2 | 7095 | 106/54 | | | -2.87 | 1.27 | -1.60 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 6925 | Full | | | -2.31 | 1.27 | -1.04 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 7005 | Full | | | -2.35 | 1.27 | -1.08 | -1.00 | Pass | |
| HE40 | MCS0 | 2 | 7085 | Full | | | -2.41 | 1.27 | -1.14 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 6945 | Full | | | -2.48 | 1.27 | -1.22 | -1.00 | Pass | |
| HE80 | MCS0 | 2 | 7025 | Full | | | -2.35 | 1.27 | -1.08 | -1.00 | Pass | |
| HE160 | MCS0 | 2 | 6985 | Full | | | -2.52 | 1.27 | -1.26 | -1.00 | Pass | |



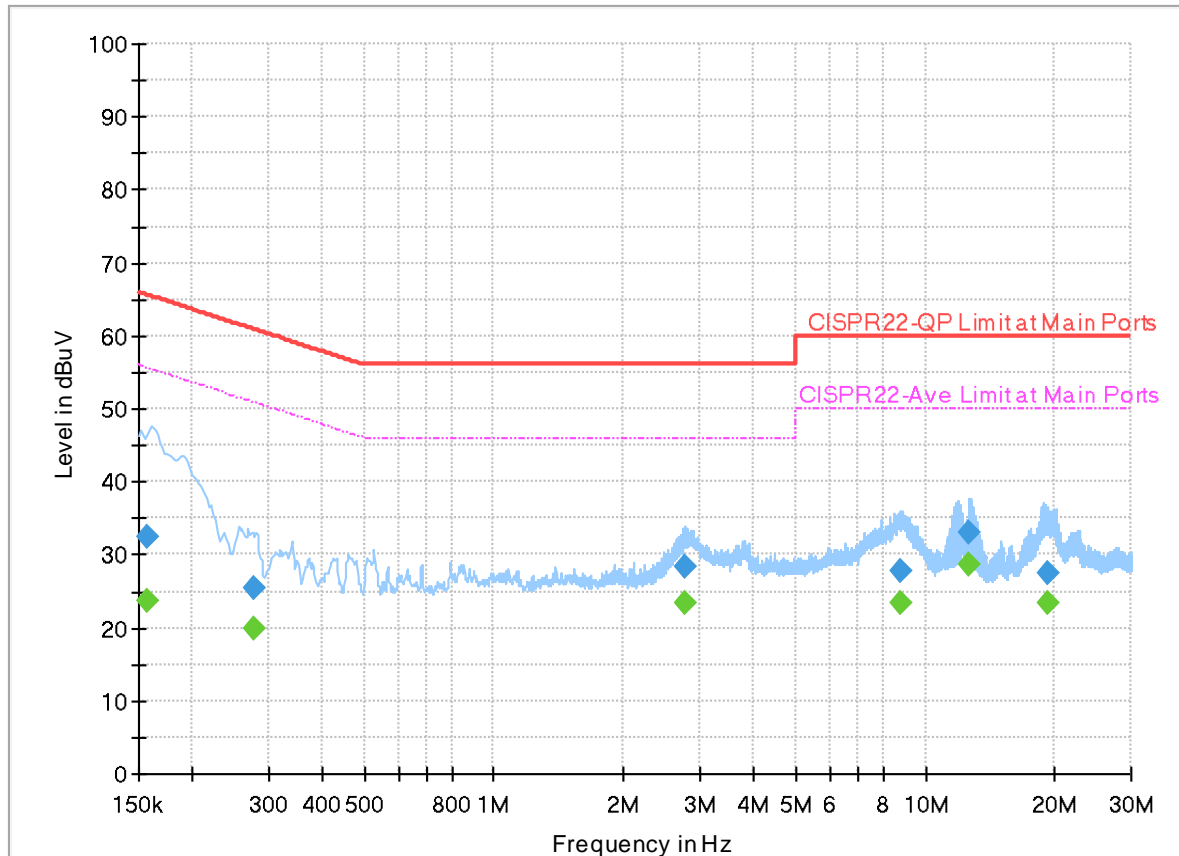
Appendix B. AC Conducted Emission Test Results

| | | |
|-------------------------------------|----------------------------|---------|
| Test Engineer : Howard Huang | Temperature : | 23~26°C |
| | Relative Humidity : | 40~50% |

EUT Information

Report NO : 0D2942-05
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



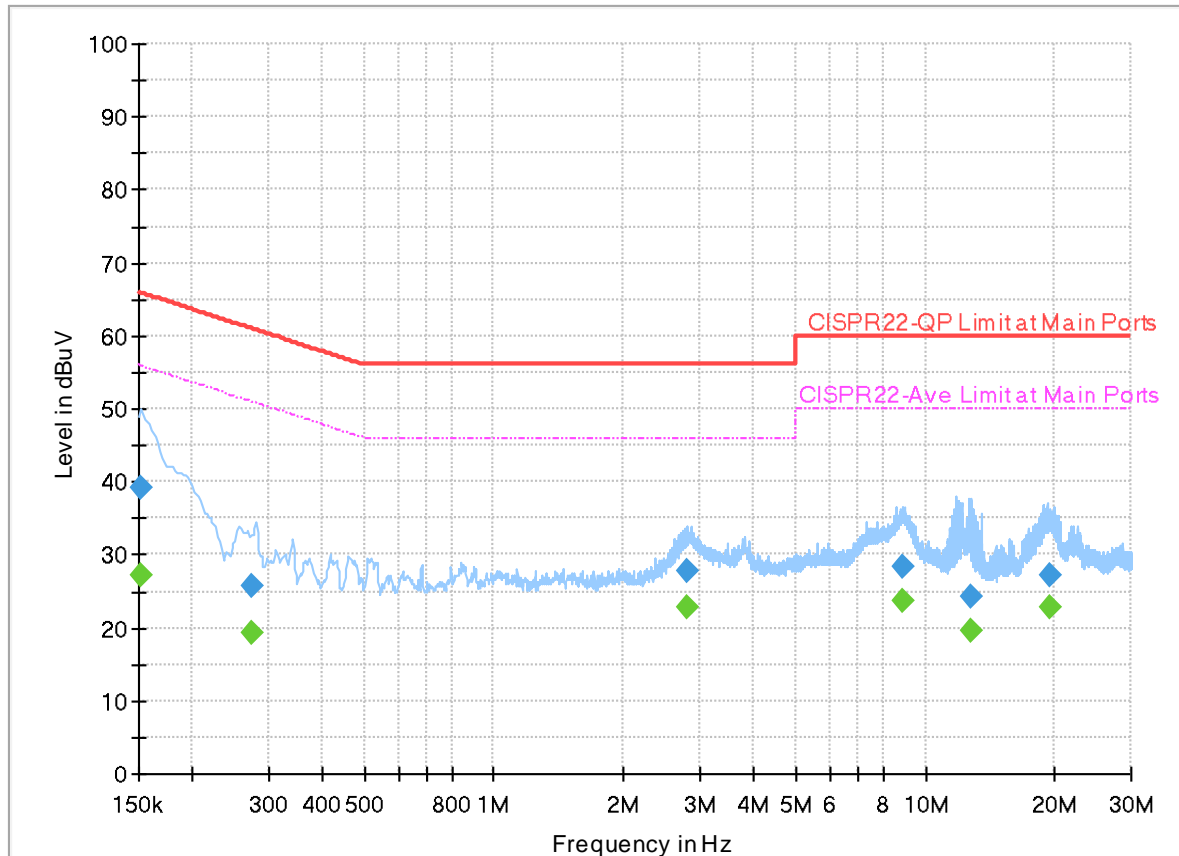
Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.156750 | 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

Report NO : 0D2942-05
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152363 | --- | 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 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI Ant. | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE20 CH 1 5955MHz | | 5882.92 | 55.86 | -32.34 | 88.2 | 39.76 | 32.17 | 13.81 | 29.88 | 267 | 65 | P | H |
| | | 5919.08 | 44.66 | -23.54 | 68.2 | 28.5 | 32.24 | 13.81 | 29.89 | 267 | 65 | A | H |
| | | 5067.2 | 56.34 | -17.66 | 74 | 41.39 | 31.67 | 12.94 | 29.66 | 267 | 65 | P | H |
| | | 5067.2 | 44.86 | -9.14 | 54 | 29.91 | 31.67 | 12.94 | 29.66 | 267 | 65 | A | H |
| | * | 5955 | 103.13 | - | - | 86.92 | 32.31 | 13.8 | 29.9 | 267 | 65 | P | H |
| | * | 5955 | 92.27 | - | - | 76.06 | 32.31 | 13.8 | 29.9 | 267 | 65 | A | H |
| | | 5875.56 | 55.83 | -32.37 | 88.2 | 39.74 | 32.15 | 13.81 | 29.87 | 364 | 133 | P | V |
| | | 5924.52 | 44.54 | -23.66 | 68.2 | 28.37 | 32.25 | 13.81 | 29.89 | 364 | 133 | A | V |
| | | 5085.8 | 54.03 | -19.97 | 74 | 38.98 | 31.74 | 12.97 | 29.66 | 364 | 133 | P | V |
| | | 5085.8 | 44.46 | -9.54 | 54 | 29.41 | 31.74 | 12.97 | 29.66 | 364 | 133 | A | V |
| | * | 5955 | 103.5 | - | - | 87.29 | 32.31 | 13.8 | 29.9 | 364 | 133 | P | V |
| | * | 5955 | 92.38 | - | - | 76.17 | 32.31 | 13.8 | 29.9 | 364 | 133 | A | 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) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|----------------------------------|-------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE20 Full CH 1 5955MHz | | 11910 | 47.25 | -26.75 | 74 | 43.66 | 38.79 | 19.97 | 55.17 | - | - | P | H | |
| | | 17865 | 56.34 | -17.66 | 74 | 41.83 | 46.53 | 25.23 | 57.25 | - | - | P | H | |
| | | 17865 | 47.8 | -6.2 | 54 | 33.29 | 46.53 | 25.23 | 57.25 | - | - | A | H | |
| | | | | | | | | | | | | | H | |
| | | | 11910 | 47.51 | -26.49 | 74 | 43.92 | 38.79 | 19.97 | 55.17 | - | - | P | V |
| | | | 17865 | 56.96 | -17.04 | 74 | 42.45 | 46.53 | 25.23 | 57.25 | - | - | P | V |
| | | | 17865 | 47.77 | -6.23 | 54 | 33.26 | 46.53 | 25.23 | 57.25 | - | - | A | V |
| 802.11ax HE20 Full CH 49 6195MHz | | 12390 | 46.14 | -27.86 | 74 | 42.61 | 38.31 | 20.24 | 55.02 | - | - | P | H | |
| | | 17944 | 59.2 | -14.8 | 74 | 43.09 | 48.12 | 25.27 | 57.28 | - | - | P | H | |
| | | 17944 | 47.58 | -6.42 | 54 | 31.47 | 48.12 | 25.27 | 57.28 | - | - | A | H | |
| | | 18585 | 36.1 | -37.9 | 74 | 56.65 | 38.4 | -3.6 | 55.35 | - | - | P | H | |
| | | 12390 | 46.23 | -27.77 | 74 | 42.7 | 38.31 | 20.24 | 55.02 | - | - | P | V | |
| | | 17992 | 58.75 | -15.25 | 74 | 41.62 | 49.13 | 25.3 | 57.3 | - | - | P | V | |
| | | 17992 | 47.62 | -6.38 | 54 | 30.49 | 49.13 | 25.3 | 57.3 | - | - | A | V | |
| 802.11ax HE20 Full CH 93 6415MHz | | 18585 | 35.07 | -38.93 | 74 | 55.62 | 38.4 | -3.6 | 55.35 | - | - | P | V | |
| | | 12830 | 47.46 | -40.74 | 88.2 | 43.1 | 38.69 | 20.47 | 54.8 | - | - | P | H | |
| | | 17992 | 58.69 | -15.31 | 74 | 41.56 | 49.13 | 25.3 | 57.3 | - | - | P | H | |
| | | 17992 | 47.77 | -6.23 | 54 | 30.64 | 49.13 | 25.3 | 57.3 | - | - | A | H | |
| | | 19245 | 34.29 | -39.71 | 74 | 54.58 | 38.41 | -3.65 | 55.05 | - | - | P | H | |
| | | 12830 | 46.38 | -41.82 | 88.2 | 42.02 | 38.69 | 20.47 | 54.8 | - | - | P | V | |
| | | 17992 | 58.95 | -15.05 | 74 | 41.82 | 49.13 | 25.3 | 57.3 | - | - | P | V | |
| | 17992 | 47.55 | -6.45 | 54 | 30.42 | 49.13 | 25.3 | 57.3 | - | - | A | V | | |
| | 19245 | 34.7 | -39.3 | 74 | 54.99 | 38.41 | -3.65 | 55.05 | - | - | P | V | | |

| | |
|---------------|--|
| Remark | <ol style="list-style-type: none"> 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 5955~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 Full CH 3 5965MHz | | 5898.28 | 55.36 | -32.84 | 88.2 | 39.23 | 32.2 | 13.81 | 29.88 | 267 | 66 | P | H |
| | | 5924.84 | 45.06 | -23.14 | 68.2 | 28.89 | 32.25 | 13.81 | 29.89 | 267 | 66 | A | H |
| | | 5135.4 | 55.67 | -18.33 | 74 | 40.51 | 31.8 | 13.03 | 29.67 | 267 | 66 | P | H |
| | | 5135.4 | 44.84 | -9.16 | 54 | 29.68 | 31.8 | 13.03 | 29.67 | 267 | 66 | A | H |
| | * | 5965 | 103.64 | - | - | 87.42 | 32.33 | 13.8 | 29.91 | 267 | 66 | P | H |
| | * | 5965 | 92.79 | - | - | 76.57 | 32.33 | 13.8 | 29.91 | 267 | 66 | A | H |
| | | 5785 | 55.71 | -32.49 | 88.2 | 39.74 | 32 | 13.81 | 29.84 | 351 | 129 | P | V |
| | | 5919.4 | 45.31 | -22.89 | 68.2 | 29.15 | 32.24 | 13.81 | 29.89 | 351 | 129 | A | V |
| | | 4974.2 | 55.23 | -18.77 | 74 | 40.62 | 31.4 | 12.86 | 29.65 | 351 | 129 | P | V |
| | | 4974.2 | 44.49 | -9.51 | 54 | 29.88 | 31.4 | 12.86 | 29.65 | 351 | 129 | A | V |
| | * | 5965 | 103.53 | - | - | 87.31 | 32.33 | 13.8 | 29.91 | 351 | 129 | P | V |
| | * | 5965 | 92.74 | - | - | 76.52 | 32.33 | 13.8 | 29.91 | 351 | 129 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 5 5955~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|----------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE40 Full CH 3 55965MHz | | 11930 | 47.46 | -26.54 | 74 | 43.86 | 38.77 | 19.99 | 55.16 | - | - | P | H | |
| | | 17895 | 57.16 | -16.84 | 74 | 42.08 | 47.1 | 25.24 | 57.26 | - | - | P | H | |
| | | 17895 | 47.52 | -6.48 | 54 | 32.44 | 47.1 | 25.24 | 57.26 | - | - | A | H | |
| | | | | | | | | | | | | | H | |
| | | | 11930 | 47.69 | -26.31 | 74 | 44.09 | 38.77 | 19.99 | 55.16 | - | - | P | V |
| | | | 17895 | 57.92 | -16.08 | 74 | 42.84 | 47.1 | 25.24 | 57.26 | - | - | P | V |
| | | | 17895 | 47.61 | -6.39 | 54 | 32.53 | 47.1 | 25.24 | 57.26 | - | - | A | V |
| 802.11ax HE40 Full CH 51 6205MHz | | 12410 | 46.14 | -27.86 | 74 | 42.64 | 38.27 | 20.25 | 55.02 | - | - | P | H | |
| | | 17984 | 59.27 | -14.73 | 74 | 42.31 | 48.96 | 25.29 | 57.29 | - | - | P | H | |
| | | 17984 | 47.38 | -6.62 | 54 | 30.42 | 48.96 | 25.29 | 57.29 | - | - | A | H | |
| | | | 18615 | 34.8 | -39.2 | 74 | 55.38 | 38.36 | -3.61 | 55.33 | - | - | P | H |
| | | | 12410 | 46.43 | -27.57 | 74 | 42.93 | 38.27 | 20.25 | 55.02 | - | - | P | V |
| | | | 17984 | 59.2 | -14.8 | 74 | 42.24 | 48.96 | 25.29 | 57.29 | - | - | P | V |
| | | | 17984 | 47.63 | -6.37 | 54 | 30.67 | 48.96 | 25.29 | 57.29 | - | - | A | V |
| 802.11ax HE40 Full CH 91 6405MHz | | | 12810 | 47.06 | -41.14 | 88.2 | 42.78 | 38.63 | 20.46 | 54.81 | - | - | P | H |
| | | | 17976 | 59.01 | -14.99 | 74 | 42.21 | 48.8 | 25.29 | 57.29 | - | - | P | H |
| | | | 17976 | 47.21 | -6.79 | 54 | 30.41 | 48.8 | 25.29 | 57.29 | - | - | A | H |
| | | | 19215 | 33.29 | -40.71 | 74 | 53.56 | 38.44 | -3.65 | 55.06 | - | - | P | H |
| | | | 12810 | 47.08 | -41.12 | 88.2 | 42.8 | 38.63 | 20.46 | 54.81 | - | - | P | V |
| | | | 17920 | 58.72 | -15.28 | 74 | 43.11 | 47.62 | 25.26 | 57.27 | - | - | P | V |
| | | | 17920 | 47.43 | -6.57 | 54 | 31.82 | 47.62 | 25.26 | 57.27 | - | - | A | V |
| | | 19215 | 34.12 | -39.88 | 74 | 54.39 | 38.44 | -3.65 | 55.06 | - | - | P | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | | |



**Band 5 5955~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE80 Full CH 7 5985MHz | | 5917.16 | 56.91 | -31.29 | 88.2 | 40.76 | 32.23 | 13.81 | 29.89 | 302 | 62 | P | H |
| | | 5923.24 | 47.78 | -20.42 | 68.2 | 31.61 | 32.25 | 13.81 | 29.89 | 302 | 62 | A | H |
| | | 5030 | 55.93 | -18.07 | 74 | 41.12 | 31.56 | 12.9 | 29.65 | 302 | 62 | P | H |
| | | 5030 | 45.46 | -8.54 | 54 | 30.65 | 31.56 | 12.9 | 29.65 | 302 | 62 | A | H |
| | * | 5985 | 103.96 | - | - | 87.7 | 32.37 | 13.8 | 29.91 | 302 | 62 | P | H |
| | * | 5985 | 93.56 | - | - | 77.3 | 32.37 | 13.8 | 29.91 | 302 | 62 | A | H |
| | | 5925 | 56.98 | -31.22 | 88.2 | 40.81 | 32.25 | 13.81 | 29.89 | 360 | 139 | P | V |
| | | 5924.84 | 47.65 | -20.55 | 68.2 | 31.48 | 32.25 | 13.81 | 29.89 | 360 | 139 | A | V |
| | | 4713.8 | 54.88 | -19.12 | 74 | 40.66 | 31.13 | 12.69 | 29.6 | 360 | 139 | P | V |
| | | 4713.8 | 44.73 | -9.27 | 54 | 30.51 | 31.13 | 12.69 | 29.6 | 360 | 139 | A | V |
| | * | 5985 | 103.72 | - | - | 87.46 | 32.37 | 13.8 | 29.91 | 360 | 139 | P | V |
| | * | 5985 | 94.31 | - | - | 78.05 | 32.37 | 13.8 | 29.91 | 360 | 139 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 5 5955~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|----------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE80 Full CH 7 5985MHz | | 11970 | 47.51 | -26.49 | 74 | 43.89 | 38.73 | 20.01 | 55.12 | - | - | P | H | |
| | | 17955 | 57.96 | -16.04 | 74 | 41.62 | 48.35 | 25.27 | 57.28 | - | - | P | H | |
| | | 17955 | 47.64 | -6.36 | 54 | 31.3 | 48.35 | 25.27 | 57.28 | - | - | A | H | |
| | | | | | | | | | | | | | | |
| | | | 11970 | 46.74 | -27.26 | 74 | 43.12 | 38.73 | 20.01 | 55.12 | - | - | P | V |
| | | | 17955 | 58.38 | -15.62 | 74 | 42.04 | 48.35 | 25.27 | 57.28 | - | - | P | V |
| | | | 17955 | 47.71 | -6.29 | 54 | 31.37 | 48.35 | 25.27 | 57.28 | - | - | A | V |
| 802.11ax HE80 Full CH 55 6225MHz | | 12450 | 45.65 | -28.35 | 74 | 42.25 | 38.15 | 20.26 | 55.01 | - | - | P | H | |
| | | 17992 | 58.71 | -15.29 | 74 | 41.58 | 49.13 | 25.3 | 57.3 | - | - | P | H | |
| | | 17992 | 47.83 | -6.17 | 54 | 30.7 | 49.13 | 25.3 | 57.3 | - | - | A | H | |
| | | | 18675 | 35.56 | -38.44 | 74 | 56.19 | 38.29 | -3.62 | 55.3 | - | - | P | H |
| | | | 12450 | 46.34 | -27.66 | 74 | 42.94 | 38.15 | 20.26 | 55.01 | - | - | P | V |
| | | | 17992 | 59.03 | -14.97 | 74 | 41.9 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| | | | 17992 | 47.62 | -6.38 | 54 | 30.49 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| 802.11ax HE80 Full CH 87 6285MHz | | | 18675 | 35.56 | -38.44 | 74 | 56.19 | 38.29 | -3.62 | 55.3 | - | - | P | V |
| | | | 12570 | 45.69 | -28.31 | 74 | 42.25 | 38.07 | 20.33 | 54.96 | - | - | P | H |
| | | | 17984 | 59.35 | -14.65 | 74 | 42.39 | 48.96 | 25.29 | 57.29 | - | - | P | H |
| | | | 17984 | 47.73 | -6.27 | 54 | 30.77 | 48.96 | 25.29 | 57.29 | - | - | A | H |
| | | | 18855 | 32.94 | -41.06 | 74 | 53.37 | 38.41 | -3.65 | 55.19 | - | - | P | H |
| | | | 12570 | 46.45 | -27.55 | 74 | 43.01 | 38.07 | 20.33 | 54.96 | - | - | P | V |
| | | | 17992 | 59.42 | -14.58 | 74 | 42.29 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| Remark | | | 17992 | 47.98 | -6.02 | 54 | 30.85 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| | | | 18855 | 33.18 | -40.82 | 74 | 53.61 | 38.41 | -3.65 | 55.19 | - | - | P | V |
| | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | | |



Band 5 5955~6425MHz

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

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE160 Full CH 15 6025MHz | | 5916.84 | 75.23 | -12.97 | 88.2 | 59.08 | 32.23 | 13.81 | 29.89 | 268 | 64 | P | H |
| | | 5907.56 | 64.03 | -4.17 | 68.2 | 47.88 | 32.22 | 13.81 | 29.88 | 268 | 64 | A | H |
| | | 4968 | 55.02 | -18.98 | 74 | 40.43 | 31.37 | 12.86 | 29.64 | 268 | 64 | P | H |
| | | 4968 | 45.1 | -8.9 | 54 | 30.51 | 31.37 | 12.86 | 29.64 | 268 | 64 | A | H |
| | * | 6025 | 104.11 | - | - | 87.82 | 32.35 | 13.87 | 29.93 | 268 | 64 | P | H |
| | * | 6025 | 94.89 | - | - | 78.6 | 32.35 | 13.87 | 29.93 | 268 | 64 | A | H |
| | | 5913.64 | 73.99 | -14.21 | 88.2 | 57.84 | 32.23 | 13.81 | 29.89 | 379 | 123 | P | V |
| | | 5907.56 | 63.6 | -4.6 | 68.2 | 47.45 | 32.22 | 13.81 | 29.88 | 379 | 123 | A | V |
| | | 5135.4 | 55.15 | -18.85 | 74 | 39.99 | 31.8 | 13.03 | 29.67 | 379 | 123 | P | V |
| | | 5135.4 | 45.8 | -8.2 | 54 | 30.64 | 31.8 | 13.03 | 29.67 | 379 | 123 | A | V |
| | * | 6025 | 104.89 | - | - | 88.6 | 32.35 | 13.87 | 29.93 | 379 | 123 | P | V |
| | * | 6025 | 95.21 | - | - | 78.92 | 32.35 | 13.87 | 29.93 | 379 | 123 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 5 5955~6425MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE160 Full CH 15 6025MHz | | 12050 | 47.33 | -26.67 | 74 | 43.51 | 38.85 | 20.06 | 55.09 | - | - | P | H |
| | | 17992 | 59.36 | -14.64 | 74 | 42.23 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.58 | -6.42 | 54 | 30.45 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 18075 | 34.09 | -39.91 | 74 | 55.68 | 37.96 | -3.72 | 55.83 | - | - | P | H |
| | | 12050 | 48.05 | -25.95 | 74 | 44.23 | 38.85 | 20.06 | 55.09 | - | - | P | V |
| | | 17992 | 59.77 | -14.23 | 74 | 42.64 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| | | 17992 | 47.51 | -6.49 | 54 | 30.38 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| 802.11ax HE160 Full CH 47 6185MHz | | 18075 | 39.4 | -34.6 | 74 | 60.99 | 37.96 | -3.72 | 55.83 | - | - | P | V |
| | | 12370 | 47.11 | -26.89 | 74 | 43.59 | 38.33 | 20.22 | 55.03 | - | - | P | H |
| | | 17992 | 60.27 | -13.73 | 74 | 43.14 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.46 | -6.54 | 54 | 30.33 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 18555 | 35.7 | -38.3 | 74 | 56.24 | 38.43 | -3.6 | 55.37 | - | - | P | H |
| | | 12370 | 46.53 | -27.47 | 74 | 43.01 | 38.33 | 20.22 | 55.03 | - | - | P | V |
| | | 18000 | 61.03 | -12.97 | 74 | 43.73 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| 802.11ax HE160 Full CH 79 6345MHz | | 18000 | 47.42 | -6.58 | 54 | 30.12 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | | 18555 | 37.48 | -36.52 | 74 | 58.02 | 38.43 | -3.6 | 55.37 | - | - | P | V |
| | | 12690 | 46.55 | -27.45 | 74 | 42.59 | 38.46 | 20.39 | 54.89 | - | - | P | H |
| | | 17976 | 60.43 | -13.57 | 74 | 43.63 | 48.8 | 25.29 | 57.29 | - | - | P | H |
| | | 17976 | 47.52 | -6.48 | 54 | 30.72 | 48.8 | 25.29 | 57.29 | - | - | A | H |
| | | 19035 | 35.78 | -38.22 | 74 | 55.88 | 38.66 | -3.67 | 55.09 | - | - | P | H |
| | | 12690 | 47.43 | -26.57 | 74 | 43.47 | 38.46 | 20.39 | 54.89 | - | - | P | V |
| 802.11ax HE160 Full CH 79 6345MHz | | 18000 | 59.11 | -14.89 | 74 | 41.81 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.43 | -6.57 | 54 | 30.13 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | | 19035 | 34.21 | -39.79 | 74 | 54.31 | 38.66 | -3.67 | 55.09 | - | - | P | 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 6 6425~6525MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11a HE20 Full CH 97 6435MHz | | 12870 | 47.68 | -40.52 | 88.2 | 43.16 | 38.81 | 20.49 | 54.78 | - | - | P | H |
| | | 18000 | 59.4 | -14.6 | 74 | 42.1 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.65 | -6.35 | 54 | 30.35 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 19305 | 34.6 | -39.4 | 74 | 54.96 | 38.33 | -3.65 | 55.04 | - | - | P | H |
| | | 12870 | 46.82 | -41.38 | 88.2 | 42.3 | 38.81 | 20.49 | 54.78 | - | - | P | V |
| | | 17920 | 59.66 | -14.34 | 74 | 44.05 | 47.62 | 25.26 | 57.27 | - | - | P | V |
| | | 17920 | 47.27 | -6.73 | 54 | 31.66 | 47.62 | 25.26 | 57.27 | - | - | A | V |
| | 19305 | 35.21 | -38.79 | 74 | 55.57 | 38.33 | -3.65 | 55.04 | - | - | P | V | |
| 802.11a HE20 Full CH 105 6475MHz | | 12950 | 47.85 | -40.35 | 88.2 | 43.15 | 38.9 | 20.53 | 54.73 | - | - | P | H |
| | | 17984 | 59.89 | -14.11 | 74 | 42.93 | 48.96 | 25.29 | 57.29 | - | - | P | H |
| | | 17984 | 47.48 | -6.52 | 54 | 30.52 | 48.96 | 25.29 | 57.29 | - | - | A | H |
| | | 19425 | 34.28 | -39.72 | 74 | 54.74 | 38.19 | -3.64 | 55.01 | - | - | P | H |
| | | 12950 | 47.33 | -40.87 | 88.2 | 42.63 | 38.9 | 20.53 | 54.73 | - | - | P | V |
| | | 18000 | 59.4 | -14.6 | 74 | 42.1 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.53 | -6.47 | 54 | 30.23 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 19425 | 35.43 | -38.57 | 74 | 55.89 | 38.19 | -3.64 | 55.01 | - | - | P | V | |
| 802.11a HE20 Full CH 113 6515MHz | | 13030 | 46.71 | -41.49 | 88.2 | 41.95 | 38.87 | 20.59 | 54.7 | - | - | P | H |
| | | 18000 | 59.83 | -14.17 | 74 | 42.53 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.55 | -6.45 | 54 | 30.25 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 19545 | 32.05 | -41.95 | 74 | 52.51 | 38.15 | -3.62 | 54.99 | - | - | P | H |
| | | 13030 | 48.09 | -40.11 | 88.2 | 43.33 | 38.87 | 20.59 | 54.7 | - | - | P | V |
| | | 17992 | 59.57 | -14.43 | 74 | 42.44 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| | | 17992 | 47.54 | -6.46 | 54 | 30.41 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| | 19545 | 32.39 | -41.61 | 74 | 52.85 | 38.15 | -3.62 | 54.99 | - | - | P | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | |



Band 6 6425~6525MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------------|-------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE40 Full CH 99 6445MHz | | 12890 | 47.59 | -40.61 | 88.2 | 42.99 | 38.87 | 20.5 | 54.77 | - | - | P | H |
| | | 18000 | 60.67 | -13.33 | 74 | 43.37 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.46 | -6.54 | 54 | 30.16 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 19335 | 36.33 | -37.67 | 74 | 56.7 | 38.3 | -3.64 | 55.03 | - | - | P | H |
| | | 12890 | 47.03 | -41.17 | 88.2 | 42.43 | 38.87 | 20.5 | 54.77 | - | - | P | V |
| | | 17928 | 59.71 | -14.29 | 74 | 43.92 | 47.79 | 25.27 | 57.27 | - | - | P | V |
| | | 17928 | 47.24 | -6.76 | 54 | 31.45 | 47.79 | 25.27 | 57.27 | - | - | A | V |
| 802.11ax HE40 Full CH 107 6485MHz | | 12970 | 48.11 | -40.09 | 88.2 | 43.38 | 38.9 | 20.55 | 54.72 | - | - | P | H |
| | | 18000 | 60.67 | -13.33 | 74 | 43.37 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.51 | -6.49 | 54 | 30.21 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 19455 | 34.86 | -39.14 | 74 | 55.35 | 38.15 | -3.63 | 55.01 | - | - | P | H |
| | | 12970 | 47.12 | -41.08 | 88.2 | 42.39 | 38.9 | 20.55 | 54.72 | - | - | P | V |
| | | 17928 | 59.71 | -14.29 | 74 | 43.92 | 47.79 | 25.27 | 57.27 | - | - | P | V |
| | | 17928 | 47.27 | -6.73 | 54 | 31.48 | 47.79 | 25.27 | 57.27 | - | - | A | V |
| 802.11ax HE40 Full CH 115 6525MHz | | 13050 | 47.73 | -40.47 | 88.2 | 42.96 | 38.85 | 20.62 | 54.7 | - | - | P | H |
| | | 18000 | 60.67 | -13.33 | 74 | 43.37 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.58 | -6.42 | 54 | 30.28 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 19575 | 31.97 | -42.03 | 74 | 52.39 | 38.19 | -3.62 | 54.99 | - | - | P | H |
| | | 13050 | 46.77 | -41.43 | 88.2 | 42 | 38.85 | 20.62 | 54.7 | - | - | P | V |
| | | 17928 | 59.71 | -14.29 | 74 | 43.92 | 47.79 | 25.27 | 57.27 | - | - | P | V |
| | | 17928 | 47.38 | -6.62 | 54 | 31.59 | 47.79 | 25.27 | 57.27 | - | - | A | V |
| | 19575 | 34.13 | -39.87 | 74 | 54.55 | 38.19 | -3.62 | 54.99 | - | - | P | V | |

| | |
|---------------|--|
| Remark | <ol style="list-style-type: none"> 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. |
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Band 6 6425~6525MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 02.11ax HE80 Full CH 103 6465MHz | | 12930 | 47.06 | -41.14 | 88.2 | 42.38 | 38.9 | 20.52 | 54.74 | - | - | P | H |
| | | 17992 | 59.45 | -14.55 | 74 | 42.32 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.43 | -6.57 | 54 | 30.3 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 19395 | 34.01 | -39.99 | 74 | 54.44 | 38.23 | -3.64 | 55.02 | - | - | P | H |
| | | 12930 | 47.43 | -40.77 | 88.2 | 42.75 | 38.9 | 20.52 | 54.74 | - | - | P | V |
| | | 18000 | 60.03 | -13.97 | 74 | 42.73 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.64 | -6.36 | 54 | 30.34 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | | 19395 | 34.25 | -39.75 | 74 | 54.68 | 38.23 | -3.64 | 55.02 | - | - | P | V |
| 802.11ax HE80 Full CH 119 6545MHz | | 13090 | 47.58 | -40.62 | 88.2 | 42.81 | 38.81 | 20.66 | 54.7 | - | - | P | H |
| | | 17992 | 59.45 | -14.55 | 74 | 42.32 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.54 | -6.46 | 54 | 30.41 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 19635 | 32.79 | -41.21 | 74 | 53.1 | 38.26 | -3.6 | 54.97 | - | - | P | H |
| | | 13090 | 48.34 | -39.86 | 88.2 | 43.57 | 38.81 | 20.66 | 54.7 | - | - | P | V |
| | | 18000 | 60.03 | -13.97 | 74 | 42.73 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.58 | -6.42 | 54 | 30.28 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | | 19635 | 33.26 | -40.74 | 74 | 53.57 | 38.26 | -3.6 | 54.97 | - | - | P | 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 6 6425~6525MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 4+3, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 02.11ax HE160 Full and CH 111 6505MHz.

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 802.11ax HE20 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|-------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE20 Full CH 117 6535MHz | | 13070 | 47.93 | -40.27 | 88.2 | 43.16 | 38.83 | 20.64 | 54.7 | - | - | P | H |
| | | 17920 | 59.82 | -14.18 | 74 | 44.21 | 47.62 | 25.26 | 57.27 | - | - | P | H |
| | | 17920 | 47.17 | -6.83 | 54 | 31.56 | 47.62 | 25.26 | 57.27 | - | - | A | H |
| | | 19605 | 34.44 | -39.56 | 74 | 54.8 | 38.23 | -3.61 | 54.98 | - | - | P | H |
| | | 13070 | 47.72 | -40.48 | 88.2 | 42.95 | 38.83 | 20.64 | 54.7 | - | - | P | V |
| | | 18000 | 59.28 | -14.72 | 74 | 41.98 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.52 | -6.48 | 54 | 30.22 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 19605 | 36.37 | -37.63 | 74 | 56.73 | 38.23 | -3.61 | 54.98 | - | - | P | V | |
| 802.11ax HE20 Full CH 149 6695MHz | | 13390 | 48.06 | -25.94 | 74 | 42.13 | 39.64 | 20.99 | 54.7 | - | - | P | H |
| | | 17992 | 59.63 | -14.37 | 74 | 42.5 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.59 | -6.41 | 54 | 30.46 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 20085 | 33.9 | -40.1 | 74 | 54.15 | 38.17 | -3.52 | 54.9 | - | - | P | H |
| | | 13390 | 47.75 | -26.25 | 74 | 41.82 | 39.64 | 20.99 | 54.7 | - | - | P | V |
| | | 18000 | 60.17 | -13.83 | 74 | 42.87 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.52 | -6.48 | 54 | 30.22 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 20085 | 34.01 | -39.99 | 74 | 54.26 | 38.17 | -3.52 | 54.9 | - | - | P | V | |
| 802.11ax HE20 Full CH 181 6855MHz | | 13710 | 49.06 | -39.14 | 88.2 | 41.95 | 40.31 | 21.33 | 54.53 | - | - | P | H |
| | | 17936 | 59.7 | -14.3 | 74 | 43.74 | 47.96 | 25.27 | 57.27 | - | - | P | H |
| | | 17936 | 47.32 | -6.68 | 54 | 31.36 | 47.96 | 25.27 | 57.27 | - | - | A | H |
| | | 20565 | 34.58 | -39.42 | 74 | 54.78 | 38.15 | -3.48 | 54.87 | - | - | P | H |
| | | 13710 | 49.66 | -38.54 | 88.2 | 42.55 | 40.31 | 21.33 | 54.53 | - | - | P | V |
| | | 17944 | 59.53 | -14.47 | 74 | 43.42 | 48.12 | 25.27 | 57.28 | - | - | P | V |
| | | 17944 | 47.56 | -6.44 | 54 | 31.45 | 48.12 | 25.27 | 57.28 | - | - | A | V |
| | 20565 | 33.95 | -40.05 | 74 | 54.15 | 38.15 | -3.48 | 54.87 | - | - | P | V | |



| | | | | | | | | | | | | | |
|--|--|-------|-------|--------|------|-------|-------|-------|-------|---|---|---|---|
| 802.11ax HE20 Full CH 185 6875MHz | | 13750 | 49.03 | -39.17 | 88.2 | 48.55 | 40.35 | 21.38 | 61.25 | - | - | P | H |
| | | 18000 | 58.64 | -15.36 | 74 | 40.84 | 49.3 | 25.3 | 56.8 | - | - | P | H |
| | | 18000 | 47.75 | -6.25 | 54 | 29.95 | 49.3 | 25.3 | 56.8 | - | - | A | H |
| | | 20625 | 34.16 | -39.84 | 74 | 54.27 | 38.2 | -3.46 | 54.85 | - | - | P | H |
| | | 13750 | 48.56 | -39.64 | 88.2 | 48.08 | 40.35 | 21.38 | 61.25 | - | - | P | V |
| | | 17992 | 58.41 | -15.59 | 74 | 40.79 | 49.13 | 25.3 | 56.81 | - | - | P | V |
| | | 17992 | 47.68 | -6.32 | 54 | 30.06 | 49.13 | 25.3 | 56.81 | - | - | A | V |
| | | 20625 | 33.32 | -40.68 | 74 | 53.43 | 38.2 | -3.46 | 54.85 | - | - | P | V |
| Remark | <ol style="list-style-type: none"> 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 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------------|-------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE40 Full CH 123 6565MHz | | 13130 | 47.22 | -40.98 | 88.2 | 42.36 | 38.86 | 20.7 | 54.7 | - | - | P | H |
| | | 18000 | 59.18 | -14.82 | 74 | 41.88 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.48 | -6.52 | 54 | 30.18 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 19695 | 35 | -39 | 74 | 55.22 | 38.33 | -3.59 | 54.96 | - | - | P | H |
| | | 13130 | 47.56 | -40.64 | 88.2 | 42.7 | 38.86 | 20.7 | 54.7 | - | - | P | V |
| | | 17936 | 59.44 | -14.56 | 74 | 43.48 | 47.96 | 25.27 | 57.27 | - | - | P | V |
| | | 17936 | 47.52 | -6.48 | 54 | 31.56 | 47.96 | 25.27 | 57.27 | - | - | A | V |
| | 19695 | 34.88 | -39.12 | 74 | 55.1 | 38.33 | -3.59 | 54.96 | - | - | P | V | |
| 802.11ax HE40 Full CH 147 6685MHz | | 13370 | 47.98 | -26.02 | 74 | 42.19 | 39.52 | 20.97 | 54.7 | - | - | P | H |
| | | 18000 | 59.6 | -14.4 | 74 | 42.3 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.59 | -6.41 | 54 | 30.29 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 20055 | 35.16 | -38.84 | 74 | 55.41 | 38.18 | -3.53 | 54.9 | - | - | P | H |
| | | 13370 | 47.4 | -26.6 | 74 | 41.61 | 39.52 | 20.97 | 54.7 | - | - | P | V |
| | | 18000 | 59.61 | -14.39 | 74 | 42.31 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.57 | -6.43 | 54 | 30.27 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 20055 | 34.15 | -39.85 | 74 | 54.4 | 38.18 | -3.53 | 54.9 | - | - | P | V | |
| 802.11ax HE40 Full CH 179 6845MHz | | 13690 | 48.96 | -39.24 | 88.2 | 41.91 | 40.29 | 21.31 | 54.55 | - | - | P | H |
| | | 17984 | 59.36 | -14.64 | 74 | 42.4 | 48.96 | 25.29 | 57.29 | - | - | P | H |
| | | 17984 | 47.47 | -6.53 | 54 | 30.51 | 48.96 | 25.29 | 57.29 | - | - | A | H |
| | | 20535 | 35.16 | -38.84 | 74 | 55.41 | 38.13 | -3.49 | 54.89 | - | - | P | H |
| | | 13690 | 48.54 | -39.66 | 88.2 | 41.49 | 40.29 | 21.31 | 54.55 | - | - | P | V |
| | | 17992 | 59.49 | -14.51 | 74 | 42.36 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| | | 17992 | 47.55 | -6.45 | 54 | 30.42 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| | 20535 | 34.97 | -39.03 | 74 | 55.22 | 38.13 | -3.49 | 54.89 | - | - | P | V | |



| | | | | | | | | | | | | | |
|---|--|-------|-------|--------|------|-------|-------|-------|-------|---|---|---|---|
| 802.11ax HE40 Full CH 187 66885MHz | | 13770 | 49.01 | -39.19 | 88.2 | 48.49 | 40.37 | 21.4 | 61.25 | - | - | P | H |
| | | 17992 | 58.71 | -15.29 | 74 | 41.09 | 49.13 | 25.3 | 56.81 | - | - | P | H |
| | | 17992 | 47.7 | -6.3 | 54 | 30.08 | 49.13 | 25.3 | 56.81 | - | - | A | H |
| | | 20655 | 32.71 | -41.29 | 74 | 52.78 | 38.22 | -3.45 | 54.84 | - | - | P | H |
| | | 13770 | 48.68 | -39.52 | 88.2 | 48.16 | 40.37 | 21.4 | 61.25 | - | - | P | V |
| | | 18000 | 59.07 | -14.93 | 74 | 41.27 | 49.3 | 25.3 | 56.8 | - | - | P | V |
| | | 18000 | 47.81 | -6.19 | 54 | 30.01 | 49.3 | 25.3 | 56.8 | - | - | A | V |
| | | 20655 | 32.6 | -41.4 | 74 | 52.67 | 38.22 | -3.45 | 54.84 | - | - | P | V |
| Remark | <ol style="list-style-type: none"> 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 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------------|-------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE80 Full CH 135 6625MHz | | 13250 | 48.98 | -25.02 | 74 | 43.8 | 39.05 | 20.83 | 54.7 | - | - | P | H |
| | | 17992 | 59.67 | -14.33 | 74 | 42.54 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.56 | -6.44 | 54 | 30.43 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 19875 | 33.88 | -40.12 | 74 | 54.06 | 38.3 | -3.55 | 54.93 | - | - | P | H |
| | | 13250 | 46.99 | -27.01 | 74 | 41.81 | 39.05 | 20.83 | 54.7 | - | - | P | V |
| | | 17928 | 58.77 | -15.23 | 74 | 42.98 | 47.79 | 25.27 | 57.27 | - | - | P | V |
| | | 17928 | 47.25 | -6.75 | 54 | 31.46 | 47.79 | 25.27 | 57.27 | - | - | A | V |
| | 19875 | 33.1 | -40.9 | 74 | 53.28 | 38.3 | -3.55 | 54.93 | - | - | P | V | |
| 802.11ax HE80 Full CH 151 6705MHz | | 13410 | 47.58 | -40.62 | 88.2 | 41.54 | 39.73 | 21.01 | 54.7 | - | - | P | H |
| | | 17960 | 59.08 | -14.92 | 74 | 42.62 | 48.46 | 25.28 | 57.28 | - | - | P | H |
| | | 17960 | 47.22 | -6.78 | 54 | 30.76 | 48.46 | 25.28 | 57.28 | - | - | A | H |
| | | 20115 | 35.12 | -38.88 | 74 | 55.39 | 38.15 | -3.52 | 54.9 | - | - | P | H |
| | | 13410 | 47.08 | -41.12 | 88.2 | 41.04 | 39.73 | 21.01 | 54.7 | - | - | P | V |
| | | 17976 | 59.11 | -14.89 | 74 | 42.31 | 48.8 | 25.29 | 57.29 | - | - | P | V |
| | | 17976 | 47.42 | -6.58 | 54 | 30.62 | 48.8 | 25.29 | 57.29 | - | - | A | V |
| | 20115 | 35.53 | -38.47 | 74 | 55.8 | 38.15 | -3.52 | 54.9 | - | - | P | V | |
| 802.11ax HE80 Full CH 167 6785MHz | | 13570 | 47.7 | -40.5 | 88.2 | 41.02 | 40.14 | 21.18 | 54.64 | - | - | P | H |
| | | 17976 | 60.06 | -13.94 | 74 | 43.26 | 48.8 | 25.29 | 57.29 | - | - | P | H |
| | | 17976 | 47.51 | -6.49 | 54 | 30.71 | 48.8 | 25.29 | 57.29 | - | - | A | H |
| | | 20355 | 33.24 | -40.76 | 74 | 53.55 | 38.1 | -3.51 | 54.9 | - | - | P | H |
| | | 13570 | 47.77 | -40.43 | 88.2 | 41.09 | 40.14 | 21.18 | 54.64 | - | - | P | V |
| | | 18000 | 59.31 | -14.69 | 74 | 42.01 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.54 | -6.46 | 54 | 30.24 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 20355 | 34.46 | -39.54 | 74 | 54.77 | 38.1 | -3.51 | 54.9 | - | - | P | V | |



| | | | | | | | | | | | | | |
|--|--|-------|-------|--------|------|-------|-------|-------|-------|---|---|---|---|
| 802.11ax HE80 Full CH 183 6865MHz | | 13730 | 48.56 | -39.64 | 88.2 | 48.13 | 40.33 | 21.35 | 61.25 | - | - | P | H |
| | | 17936 | 58.46 | -15.54 | 74 | 42.11 | 47.96 | 25.27 | 56.88 | - | - | P | H |
| | | 17936 | 47.5 | -6.5 | 54 | 31.15 | 47.96 | 25.27 | 56.88 | - | - | A | H |
| | | 20595 | 34.29 | -39.71 | 74 | 54.44 | 38.18 | -3.47 | 54.86 | - | - | P | H |
| | | 13730 | 48.89 | -39.31 | 88.2 | 48.46 | 40.33 | 21.35 | 61.25 | - | - | P | V |
| | | 17992 | 58.43 | -15.57 | 74 | 40.81 | 49.13 | 25.3 | 56.81 | - | - | P | V |
| | | 17992 | 47.76 | -6.24 | 54 | 30.14 | 49.13 | 25.3 | 56.81 | - | - | A | V |
| | | 20595 | 33.68 | -40.32 | 74 | 53.83 | 38.18 | -3.47 | 54.86 | - | - | P | V |
| Remark | <ol style="list-style-type: none"> 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 802.11ax HE160 Full (Harmonic @ 3m)**

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE160 Full CH 143 6665MHz | | 13330 | 47 | -27 | 74 | 41.5 | 39.28 | 20.92 | 54.7 | - | - | P | H |
| | | 18000 | 59.85 | -14.15 | 74 | 42.55 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.61 | -6.39 | 54 | 30.31 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 19995 | 33.67 | -40.33 | 74 | 53.9 | 38.2 | -3.53 | 54.9 | - | - | P | H |
| | | 13330 | 47.88 | -26.12 | 74 | 42.38 | 39.28 | 20.92 | 54.7 | - | - | P | V |
| | | 18000 | 59.45 | -14.55 | 74 | 42.15 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.54 | -6.46 | 54 | 30.24 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | | 19995 | 33.79 | -40.21 | 74 | 54.02 | 38.2 | -3.53 | 54.9 | - | - | P | V |
| 802.11ax HE160 Full CH 175 6825MHz | | 13650 | 49.24 | -38.96 | 88.2 | 42.3 | 40.25 | 21.27 | 54.58 | - | - | P | H |
| | | 17992 | 58.94 | -15.06 | 74 | 41.81 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.52 | -6.48 | 54 | 30.39 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 20475 | 34.87 | -39.13 | 74 | 55.17 | 38.1 | -3.5 | 54.9 | - | - | P | H |
| | | 13650 | 49 | -39.2 | 88.2 | 42.06 | 40.25 | 21.27 | 54.58 | - | - | P | V |
| | | 17920 | 58.97 | -15.03 | 74 | 43.36 | 47.62 | 25.26 | 57.27 | - | - | P | V |
| | | 17920 | 47.15 | -6.85 | 54 | 31.54 | 47.62 | 25.26 | 57.27 | - | - | A | V |
| | | 20475 | 34.83 | -39.17 | 74 | 55.13 | 38.1 | -3.5 | 54.9 | - | - | P | V |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | |



Band 8 - 6875~7125MHz

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

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---------------------------------------|---|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 4+3 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11ax HE20 CH 229 7095MHz | | 5023.8 | 54.89 | -19.11 | 74 | 40.1 | 31.55 | 12.89 | 29.65 | 237 | 299 | P | H |
| | | 5023.8 | 44.59 | -9.41 | 54 | 29.8 | 31.55 | 12.89 | 29.65 | 237 | 299 | A | H |
| | * | 7095 | 102.38 | - | - | 81.81 | 35.76 | 15.43 | 30.62 | 237 | 299 | P | H |
| | * | 7095 | 91.97 | - | - | 71.4 | 35.76 | 15.43 | 30.62 | 237 | 299 | A | H |
| | | 7127.4 | 61.02 | -27.18 | 88.2 | 40.37 | 35.85 | 15.43 | 30.63 | 237 | 299 | P | H |
| | | 7130.6 | 49.77 | -18.43 | 68.2 | 29.11 | 35.86 | 15.43 | 30.63 | 237 | 299 | A | H |
| | | 4937 | 55.4 | -18.6 | 74 | 40.93 | 31.25 | 12.86 | 29.64 | 100 | 149 | P | V |
| | | 4937 | 44.39 | -9.61 | 54 | 29.92 | 31.25 | 12.86 | 29.64 | 100 | 149 | A | V |
| | * | 7095 | 100.45 | - | - | 79.88 | 35.76 | 15.43 | 30.62 | 100 | 149 | P | V |
| | * | 7095 | 90.89 | - | - | 70.32 | 35.76 | 15.43 | 30.62 | 100 | 149 | A | V |
| | | 7222.76 | 59.62 | -28.58 | 88.2 | 38.71 | 36.09 | 15.5 | 30.68 | 100 | 149 | P | V |
| | | 7161.64 | 49.77 | -18.43 | 68.2 | 29.06 | 35.92 | 15.44 | 30.65 | 100 | 149 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



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

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a HE20 Full CH 189 6895MHz | | 13790 | 48.72 | -39.48 | 88.2 | 41.38 | 40.39 | 21.42 | 54.47 | - | - | P | H |
| | | 18000 | 58.87 | -15.13 | 74 | 41.57 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.62 | -6.38 | 54 | 30.32 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 20685 | 34.11 | -39.89 | 74 | 54.13 | 38.25 | -3.44 | 54.83 | - | - | P | H |
| | | 13790 | 49.28 | -38.92 | 88.2 | 41.94 | 40.39 | 21.42 | 54.47 | - | - | P | V |
| | | 17992 | 59.63 | -14.37 | 74 | 42.5 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| | | 17992 | 47.59 | -6.41 | 54 | 30.46 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| | 20685 | 33.94 | -40.06 | 74 | 53.96 | 38.25 | -3.44 | 54.83 | - | - | P | V | |
| 802.11a HE20 Full CH 209 6995MHz | | 13990 | 50.29 | -37.91 | 88.2 | 42.07 | 40.89 | 21.64 | 54.31 | - | - | P | H |
| | | 17992 | 59.39 | -14.61 | 74 | 42.26 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.62 | -6.38 | 54 | 30.49 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 20985 | 34.32 | -39.68 | 74 | 54.46 | 37.92 | -3.35 | 54.71 | - | - | P | H |
| | | 13990 | 50.04 | -38.16 | 88.2 | 41.82 | 40.89 | 21.64 | 54.31 | - | - | P | V |
| | | 17992 | 59.04 | -14.96 | 74 | 41.91 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| | | 17992 | 47.58 | -6.42 | 54 | 30.45 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| | 20985 | 34.37 | -39.63 | 74 | 54.51 | 37.92 | -3.35 | 54.71 | - | - | P | V | |
| 802.11a HE20 Full CH 229 7095MHz | | 14190 | 50.76 | -37.44 | 88.2 | 41.98 | 41.48 | 21.75 | 54.45 | - | - | P | H |
| | | 17992 | 59.61 | -14.39 | 74 | 42.48 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.51 | -6.49 | 54 | 30.38 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 21285 | 34.5 | -39.5 | 74 | 54.09 | 38.4 | -3.29 | 54.7 | - | - | P | H |
| | | 14190 | 49.98 | -38.22 | 88.2 | 41.2 | 41.48 | 21.75 | 54.45 | - | - | P | V |
| | | 18000 | 58.4 | -15.6 | 74 | 41.1 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.59 | -6.41 | 54 | 30.29 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 21285 | 33.63 | -40.37 | 74 | 53.22 | 38.4 | -3.29 | 54.7 | - | - | P | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | |



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

Table with 14 columns: WIFI Ant. 4+3, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include frequencies like 5098.2, 7085, 7160.36, 7143.08, 4645.6, 7156.52, 7141.48.



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

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE40 Full CH 195 6925MHz | | 13850 | 48.75 | -39.45 | 88.2 | 41.09 | 40.6 | 21.48 | 54.42 | - | - | P | H |
| | | 17992 | 58.65 | -15.35 | 74 | 41.52 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.58 | -6.42 | 54 | 30.45 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 20775 | 34.08 | -39.92 | 74 | 54.03 | 38.26 | -3.42 | 54.79 | - | - | P | H |
| | | 13850 | 48.82 | -39.38 | 88.2 | 41.16 | 40.6 | 21.48 | 54.42 | - | - | P | V |
| | | 18000 | 59.01 | -14.99 | 74 | 41.71 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.49 | -6.51 | 54 | 30.19 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 20775 | 33.71 | -40.29 | 74 | 53.66 | 38.26 | -3.42 | 54.79 | - | - | P | V | |
| 802.11ax HE40 Full CH 211 7005MHz | | 14010 | 49.43 | -38.77 | 88.2 | 41.14 | 40.94 | 21.66 | 54.31 | - | - | P | H |
| | | 17992 | 58.99 | -15.01 | 74 | 41.86 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.54 | -6.46 | 54 | 30.41 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 21015 | 33.61 | -40.39 | 74 | 53.73 | 37.93 | -3.35 | 54.7 | - | - | P | H |
| | | 14010 | 49.11 | -39.09 | 88.2 | 40.82 | 40.94 | 21.66 | 54.31 | - | - | P | V |
| | | 18000 | 58.42 | -15.58 | 74 | 41.12 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.55 | -6.45 | 54 | 30.25 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 21015 | 34.18 | -39.82 | 74 | 54.3 | 37.93 | -3.35 | 54.7 | - | - | P | V | |
| 802.11ax HE40 Full CH 227 7085MHz | | 14170 | 50.22 | -37.98 | 88.2 | 41.48 | 41.44 | 21.74 | 54.44 | - | - | P | H |
| | | 17984 | 58.31 | -15.69 | 74 | 41.35 | 48.96 | 25.29 | 57.29 | - | - | P | H |
| | | 17984 | 47.65 | -6.35 | 54 | 30.69 | 48.96 | 25.29 | 57.29 | - | - | A | H |
| | | 21255 | 34.15 | -39.85 | 74 | 53.74 | 38.4 | -3.29 | 54.7 | - | - | P | H |
| | | 14170 | 49.22 | -38.98 | 88.2 | 40.48 | 41.44 | 21.74 | 54.44 | - | - | P | V |
| | | 18000 | 58.72 | -15.28 | 74 | 41.42 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.52 | -6.48 | 54 | 30.22 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | 21255 | 34.25 | -39.75 | 74 | 53.84 | 38.4 | -3.29 | 54.7 | - | - | P | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | |



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

Table with 14 columns: WIFI Ant. 4+3, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for frequencies 5005.2, 7025, 7159.4, 7148.2, 5054.8, 7202.6, and 7139.24 MHz.



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

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE80 Full CH 199 6945MHz | | 13890 | 49.36 | -38.84 | 88.2 | 41.46 | 40.76 | 21.53 | 54.39 | - | - | P | H |
| | | 18000 | 58.8 | -15.2 | 74 | 41.5 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.57 | -6.43 | 54 | 30.27 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 20835 | 33.44 | -40.56 | 74 | 53.45 | 38.16 | -3.4 | 54.77 | - | - | P | H |
| | | 13890 | 48.83 | -39.37 | 88.2 | 40.93 | 40.76 | 21.53 | 54.39 | - | - | P | V |
| | | 18000 | 58.87 | -15.13 | 74 | 41.57 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| | | 18000 | 47.47 | -6.53 | 54 | 30.17 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| 802.11ax HE80 Full CH 215 7025MHz | | 20835 | 33.66 | -40.34 | 74 | 53.67 | 38.16 | -3.4 | 54.77 | - | - | P | V |
| | | 14050 | 49.13 | -39.07 | 88.2 | 40.7 | 41.1 | 21.67 | 54.34 | - | - | P | H |
| | | 17992 | 58.72 | -15.28 | 74 | 41.59 | 49.13 | 25.3 | 57.3 | - | - | P | H |
| | | 17992 | 47.59 | -6.41 | 54 | 30.46 | 49.13 | 25.3 | 57.3 | - | - | A | H |
| | | 21075 | 34.25 | -39.75 | 74 | 54.23 | 38.05 | -3.33 | 54.7 | - | - | P | H |
| | | 14050 | 49.32 | -38.88 | 88.2 | 40.89 | 41.1 | 21.67 | 54.34 | - | - | P | V |
| | | 18000 | 58.44 | -15.56 | 74 | 41.14 | 49.3 | 25.3 | 57.3 | - | - | P | V |
| Remark | | 18000 | 47.56 | -6.44 | 54 | 30.26 | 49.3 | 25.3 | 57.3 | - | - | A | V |
| | | 21075 | 34.12 | -39.88 | 74 | 54.1 | 38.05 | -3.33 | 54.7 | - | - | P | V |
| <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | | |



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

Table with 14 columns: WIFI Ant. 4+3, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for 802.11ax HE160 Full and CH 207 6985MHz, with a final Remark section.



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

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------------|--|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE160 Full CH 207 6985MHz | | 13970 | 51.3 | -36.9 | 88.2 | 43.13 | 40.87 | 21.62 | 54.32 | - | - | P | H |
| | | 18000 | 59.51 | -14.49 | 74 | 42.21 | 49.3 | 25.3 | 57.3 | - | - | P | H |
| | | 18000 | 47.57 | -6.43 | 54 | 30.27 | 49.3 | 25.3 | 57.3 | - | - | A | H |
| | | 20955 | 34.31 | -39.69 | 74 | 54.42 | 37.97 | -3.36 | 54.72 | - | - | P | H |
| | | 13970 | 50.55 | -37.65 | 88.2 | 42.38 | 40.87 | 21.62 | 54.32 | - | - | P | V |
| | | 17992 | 59.62 | -14.38 | 74 | 42.49 | 49.13 | 25.3 | 57.3 | - | - | P | V |
| | | 17992 | 47.46 | -6.54 | 54 | 30.33 | 49.13 | 25.3 | 57.3 | - | - | A | V |
| | | 20955 | 34.14 | -39.86 | 74 | 54.25 | 37.97 | -3.36 | 54.72 | - | - | P | V |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | |



Emission below 1GHz

WIFI 802.11ax HE160 Full (LF @ 3m)

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|---|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | | |
| 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 | 46.97 | 15.88 | 1.52 | 32.3 | - | - | P | H | |
| | | 130.88 | 24.68 | -18.82 | 43.5 | 37.52 | 17.62 | 1.81 | 32.27 | - | - | P | H | |
| | | 187.14 | 24.94 | -18.56 | 43.5 | 39.87 | 15.05 | 2.25 | 32.23 | - | - | P | H | |
| | | 206.54 | 25.06 | -18.44 | 43.5 | 39.73 | 15.22 | 2.37 | 32.26 | - | - | P | H | |
| | | 321 | 23.56 | -22.44 | 46 | 33.23 | 19.57 | 3.02 | 32.26 | - | - | P | H | |
| | | 739.07 | 31.17 | -14.83 | 46 | 30.77 | 28.07 | 4.68 | 32.35 | - | - | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 50.37 | 30.7 | -9.3 | 40 | 47.83 | 14.2 | 0.97 | 32.3 | - | - | P | V |
| | | | 97.9 | 35.41 | -8.09 | 43.5 | 50.31 | 15.88 | 1.52 | 32.3 | - | - | P | V |
| | | | 130.88 | 24.54 | -18.96 | 43.5 | 37.38 | 17.62 | 1.81 | 32.27 | - | - | P | V |
| | | | 165.8 | 24.39 | -19.11 | 43.5 | 38.48 | 16.07 | 2.08 | 32.24 | - | - | P | V |
| | | | 489.78 | 25.96 | -20.04 | 46 | 30.59 | 23.99 | 3.75 | 32.37 | - | - | P | V |
| | | | 834.13 | 31.4 | -14.6 | 46 | 29.63 | 28.79 | 5.03 | 32.05 | - | - | P | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |

Remark

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



Note symbol

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



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

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 4+3 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11b | | 2390 | 55.45 | -18.55 | 74 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | P | H |
| CH 01 | | | | | | | | | | | | | |
| 2412MHz | | 2390 | 43.54 | -10.46 | 54 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | A | H |

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

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

Note symbol

| | |
|----|-----------------------|
| -L | Low channel location |
| -R | High channel location |



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

| WIFI | 5955 MHz Band Edge @ 3m | |
|-------------|--|---|
| ANT | 802.11ax HE20 Full CH01 5955MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| Avg. | <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:1000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | Left blank |



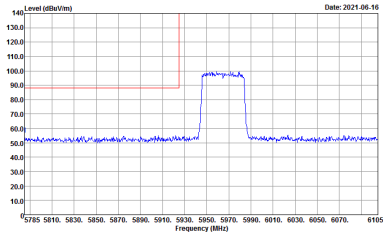
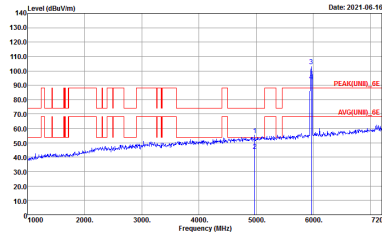
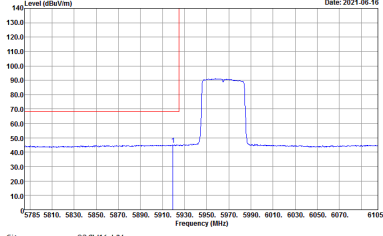
| WIFI | 5955 MHz Band Edge @ 3m | |
|--------------------|--|---|
| ANT | 802.11ax HE20 Full CH01 5955MHz | |
| 4+3 | Vertical | Fundamental |
| <p>Peak</p> | <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| <p>Avg.</p> | <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:1000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Left blank</p> |



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

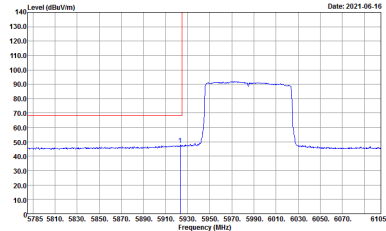
| WIFI | 5965 MHz Band Edge @ 3m | |
|-------------|--|---|
| ANT | 802.11ax HE40 Full CH03 5965 MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak | <p>Date: 2021-06-16</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Date: 2021-06-16</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| Avg. | <p>Date: 2021-06-16</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:1000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | Left blank |



| WIFI | 5965 MHz Band Edge @ 3m | |
|--------------------|---|--|
| ANT | 802.11ax HE40 Full CH03 5965 MHz | |
| 4+3 | Vertical | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:1000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Left blank</p> |



Band5 - 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

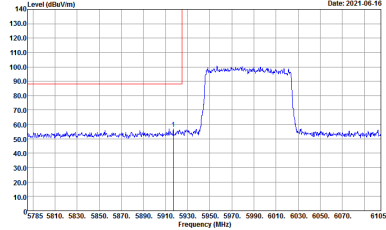
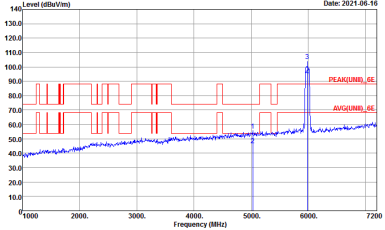
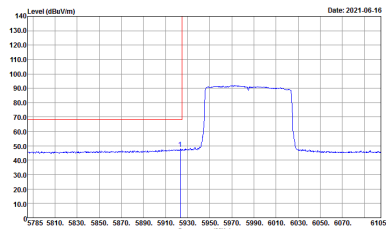
| WIFI | 5985 MHz Band Edge @ 3m | |
|-------------|---|--|
| ANT | 802.11ax HE80 Full CH7 5985MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | Left blank |



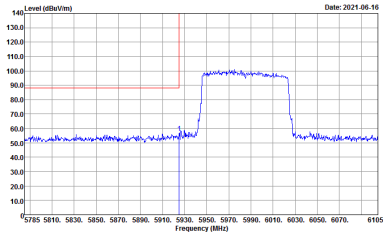
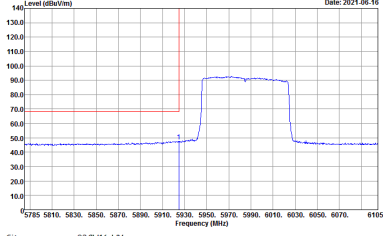
| WIFI | 5985 MHz Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11ax HE80 Full CH7 5985MHz | |
| 4+3 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| Avg. | <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | Left blank |



Band5 - 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI | 5985 MHz Band Edge @ 3m | |
|-------------|---|--|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | Left blank |



| | | |
|------|---|--|
| WIFI | 5985 MHz Band Edge @ 3m | |
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 4+3 | Vertical | Fundamental |
| Peak |  <p>Date: 2021-06-16</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |  <p>Date: 2021-06-16</p> <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| Avg. |  <p>Date: 2021-06-16</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_6E 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | Left blank |



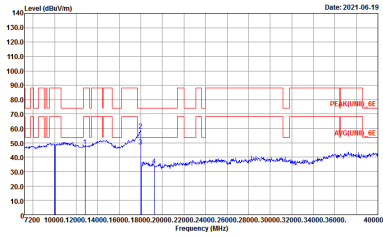
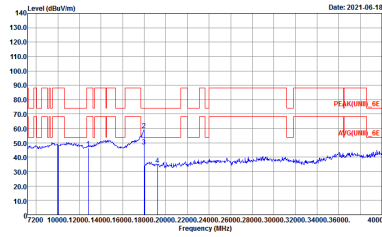
Band 5 - 5925~6425MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | 5955 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH01 5955MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|----------------------------|--|--|
| WIFI | 6195MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH49 6195MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|-------------------------|---|--|
| WIFI | 6415MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH93 6415MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



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

| | | |
|----------------------------|--|--|
| WIFI | 5965 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH3 5965MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 0D2942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 0D2942-05</p> |



| | | |
|----------------------------|--|--|
| WIFI | 6205 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH51 6205 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|----------------------------|--|--|
| WIFI | 6405 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH91 6405 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



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

| | | |
|--------------|---|---|
| WIFI | 5985MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH7 5985MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|--------------|--|--|
| WIFI | 6225MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full Ch55 6225MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



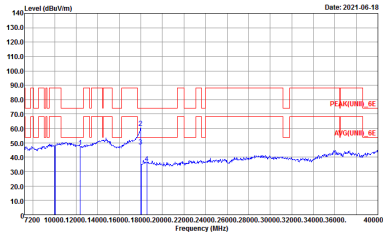
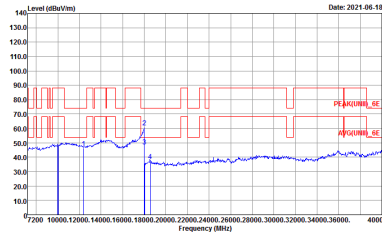
| | | |
|----------------------------|--|--|
| WIFI | 6285 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH87 6285MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



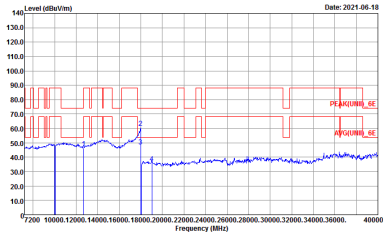
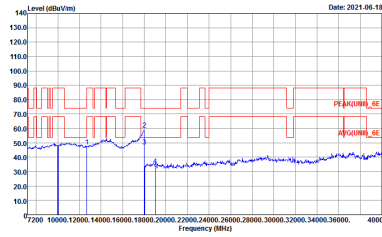
Band 5 - 5925~6425MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| WIFI | 6025 MHz Harmonic @ 3m | |
|--------------|---|---|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|---------------------------------------|---|--|
| WIFI | 6185 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH47 6185MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|---------------------------------------|---|--|
| WIFI | 6345 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH79 6345MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UINI)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UINI)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



Band 6 6425~6525MHz

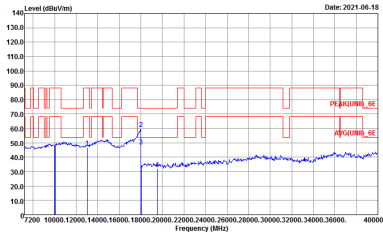
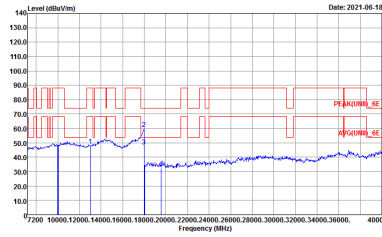
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | 6435MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH97 6435MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|--------------|--|--|
| WIFI | 6475MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH105 6475MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|-------------------------|---|--|
| WIFI | 6515MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH113 6515MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



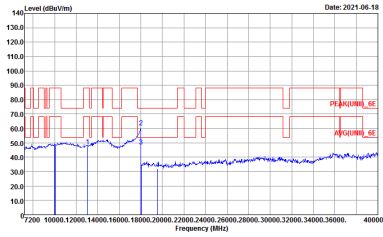
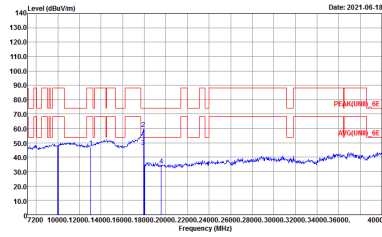
Band 6 6425~6525MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| | | |
|----------------------------|--|--|
| WIFI | 6445 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH99 6445 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 0D2942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 0D2942-05</p> |



| | | |
|----------------------------|--|--|
| WIFI | 6485 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH107 6485 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|---------------------------------------|---|--|
| WIFI | 6525 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH115 6525 MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



Band 6 6425~6525MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| | | |
|----------------------------|--|--|
| WIFI | 6465MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH103 6465MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 0D2942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 0D2942-05</p> |



| | | |
|--------------|--|--|
| WIFI | 6545MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH119 6545MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



Band 6 6425~6525MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| | | |
|----------------------------|--|--|
| WIFI | 6505 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH111 6505 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 0D2942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 0D2942-05</p> |



Band 7 6525~6875MHz

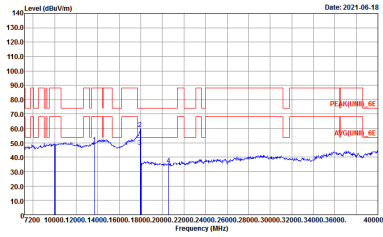
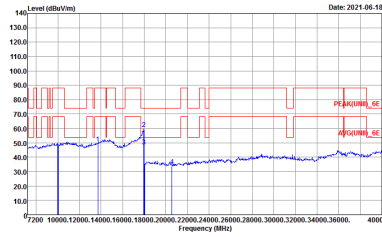
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | 6535MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH117 6535MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|--------------|--|--|
| WIFI | 6695MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH149 6695MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|---------------------------------------|---|--|
| WIFI | 6855MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH181 6855MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



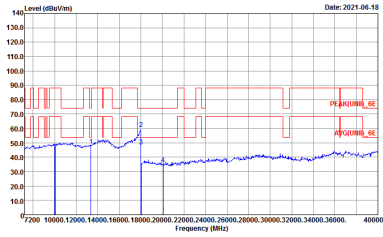
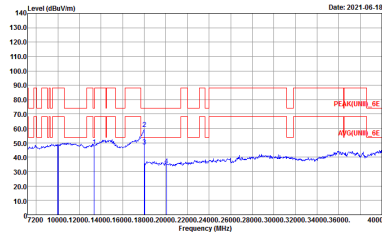
| | | |
|----------------------------|--|--|
| WIFI | 6875MHz Harmonic @ 3m | |
| ANT | 802.11ax HE20 Full CH185 6875MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



Band 7 6525~6875MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| | | |
|----------------------------|--|--|
| WIFI | 6565 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH123 6565 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 0D2942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 0D2942-05</p> |



| | | |
|---------------------------------------|---|--|
| WIFI | 6685 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH147 6685 MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|----------------------------|--|--|
| WIFI | 6845 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH179 6845 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E Im SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



| | | |
|----------------------------|--|--|
| WIFI | 6885 MHz Harmonic @ 3m | |
| ANT | 802.11ax HE40 Full CH187 6885 MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



Band 7 6525~6875MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| | | |
|----------------------------|--|--|
| WIFI | 6625MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH135 6625MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 0D2942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 0D2942-05</p> |

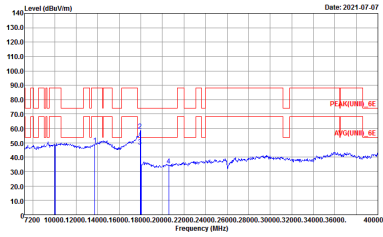
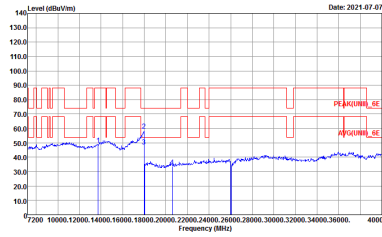


| | | |
|----------------------------|---|---|
| WIFI | 6705MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH151 6705MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p> Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05 </p> | <p> Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05 </p> |



| | | |
|----------------------------|--|--|
| WIFI | 6785MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH167 6785MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



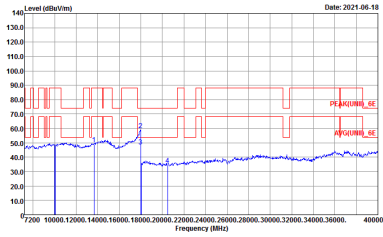
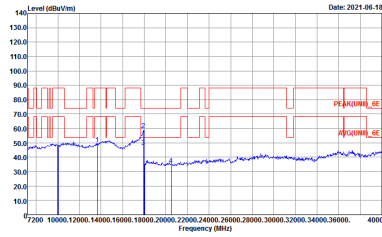
| | | |
|---------------------------------------|---|--|
| WIFI | 6865MHz Harmonic @ 3m | |
| ANT | 802.11ax HE80 Full CH183 6865MHz | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



Band 7 6525~6875MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| | | |
|----------------------------|---|---|
| WIFI | 6665 MHZ Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH143 6665 MHZ | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 0D2942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 0D2942-05</p> |



| | | |
|---------------------------------------|---|--|
| WIFI | 6825 MHZ Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH175 6825 MHZ | |
| 4+3 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak Project : 002942-05</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak Project : 002942-05</p> |



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

| WIFI | 7095 MHz Band Edge @ 3m | |
|-------------|--|---|
| ANT | 802.11ax HE20 Full CH229 7095MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 002942-05</p> |
| Avg. | <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_6E 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:1000kHz SWT:Auto Detector : Peak Project : 002942-05</p> | <p>Left blank</p> |