FCC RADIO TEST REPORT

FCC ID	:	**2BCWO-ACPWM-100**
Equipment	:	**IP Network Camera**
Brand Name	:	**SafelyYou**
Model Name	:	**ACPWM-100**
Applicant	:	**SafelyYou** **36 Clyde Street, San Francisco, CA 94107**
Manufacturer	:	**Altek Corporation** **No. 12, Li-Hsin Road, HsinchuScience-Based Industrial Park, Taiwan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Oct. 18, 2023 and testing was performed from Nov. 03, 2023 to Nov. 17, 2023. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR3O0513-01E	01	Initial issue of report	Dec. 04, 2023
FR3O0513-01E	02	Revise Product Feature and Appendix A This report is an updated version, replacing the report issued on Dec. 04, 2023.	Dec. 11, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	9.63 dB under the limit at 73.47 MHz
3.5	15.207	AC Conducted Emission	Pass	15.91 dB under the limit at 0.15 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax **Antenna Type** WLAN: **<Ant. 1>:** FPC Dipole Antenna **<Ant. 2>:** FPC Dipole Antenna Bluetooth: FPC Dipole Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 1: 6.18 Ant. 2: 6.28

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	6.18	6.28	6.28	9.24	0.28	3.24

Calculation example:

If a device has two antenna, G_{ANT1}= 6.18dBi; G_{ANT2}=6.28dBi

Directional gain of power measurement = max(6.18, 6.28) + 0 = 6.28 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (6.18 dBi / 20) + 10^ (6.28 dBi / 20)] ^ 2 } / 2 }

= 9.24 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

<TXBF Modes>

The EUT supports beamforming modes , then

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)e)ii)

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

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

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 1	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	6.18	6.28	9.24	9.24	3.24	3.24

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (6.18 dBi / 20) + 10^ (6.28 dBi / 20)] ^ 2 } / 2 }

= 9.24 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH21-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power and PSD of the beamforming mode are less than the non-beamforming mode, so all other conducted tests are covered by the non-beamforming mode and the radiated tests are verified.

The final test modes include the worst data rates for each modulation shown in the table below.

CDD Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT20	**MCS0**
802.11ac VHT40	**MCS0**
802.11ac VHT80	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

TXBF Mode

Modulation	Data Rate
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1： WLAN (5GHz) TX + Adapter

<CDD Mode>

Ch. #		Band IV：5725-5850 MHz		
		802.11a	802.11n HT20	802.11n HT40
L	Low	149	149	151
M	Middle	157	157	-
H	High	165	165	159

Ch. #		Band IV：5725-5850 MHz		
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

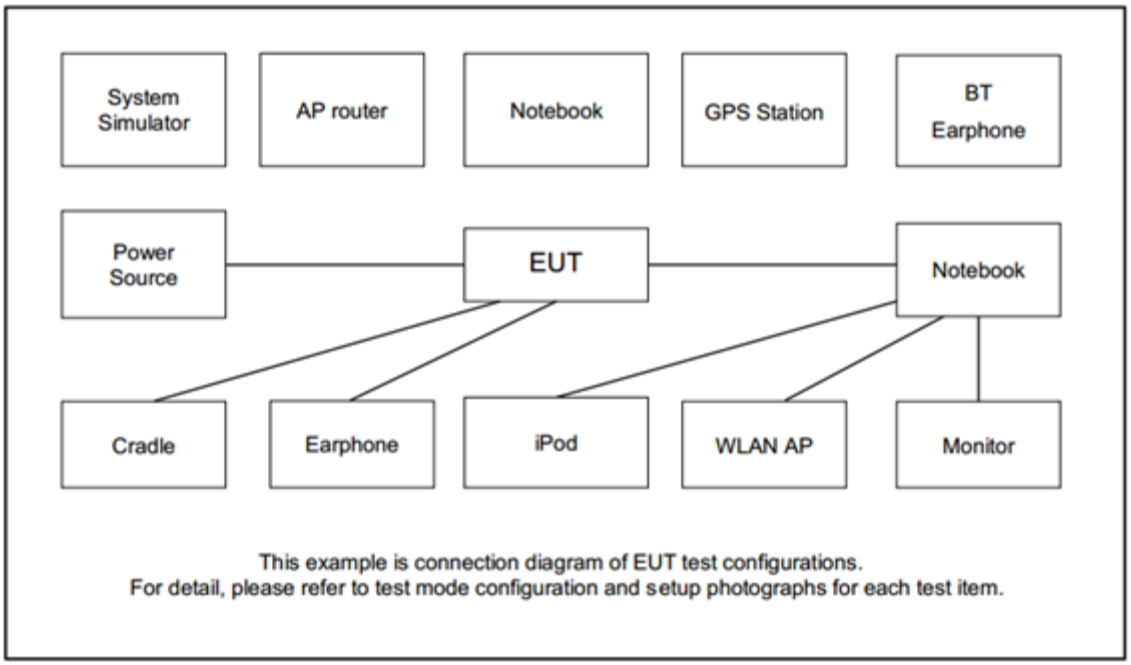
Ch. #		Band IV：5725-5850 MHz		
		802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

<TXBF Mode>

Ch. #		Band IV：5725-5850 MHz
		802.11ax HE20
L	Low	149
M	Middle	-
H	High	-

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System



2.4 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0.00211.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.5 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

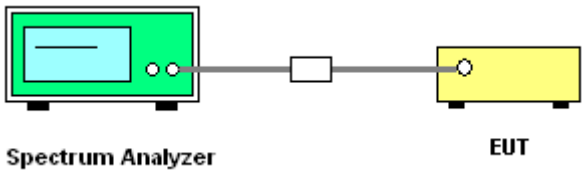
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

<CDD Modes>

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

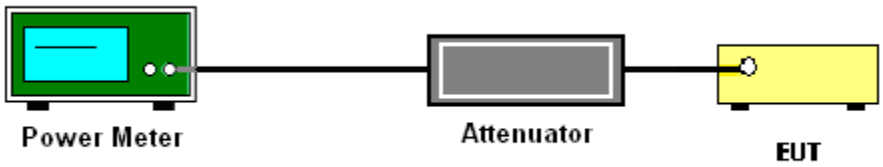
<TXBF Modes>

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

 # Method SA-2 #

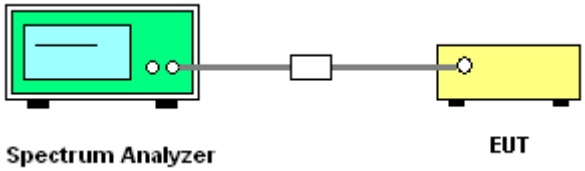
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 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 1000 MHz

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

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

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

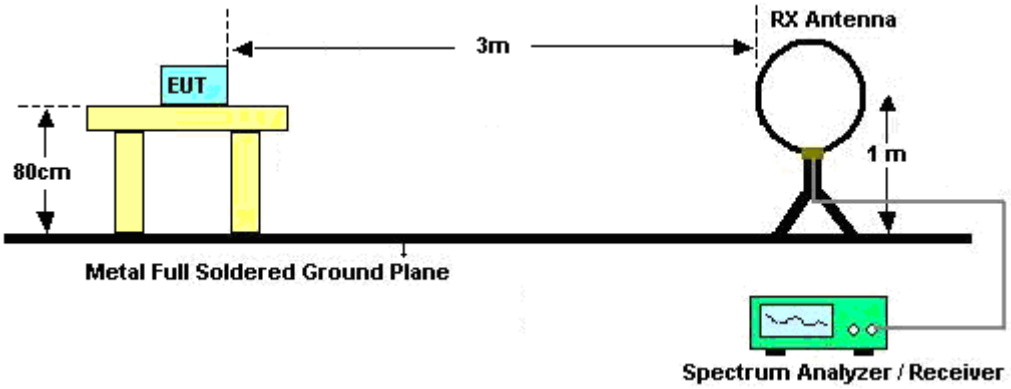
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

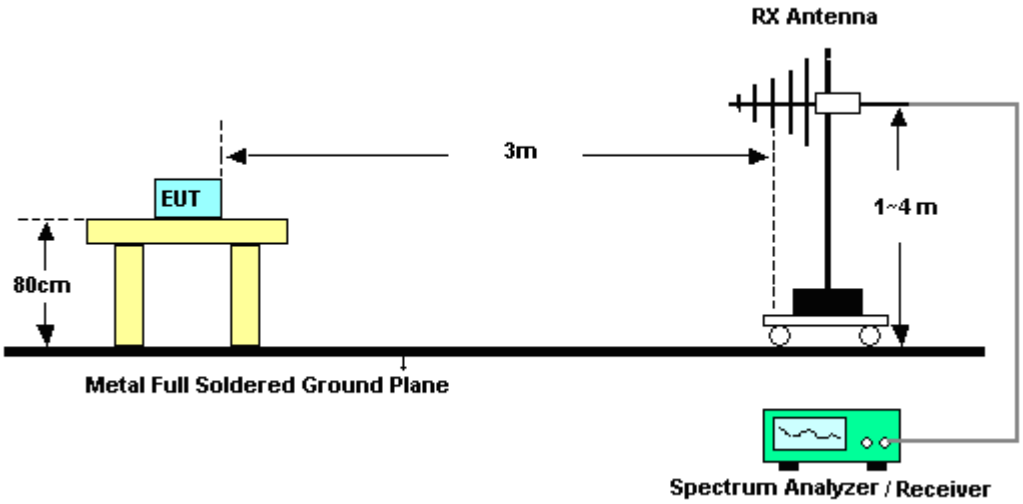
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit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

3.4.4 Test Setup

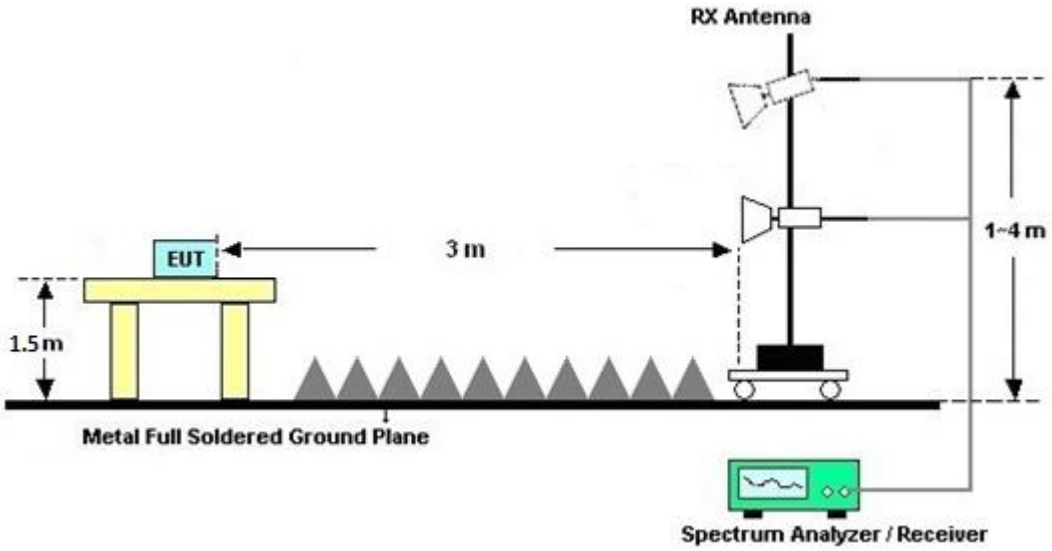
For radiated emissions below 30MHz



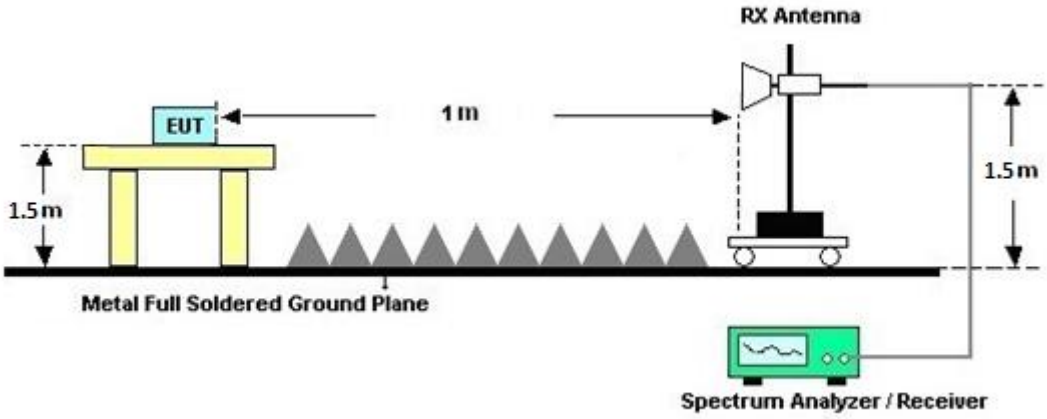
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

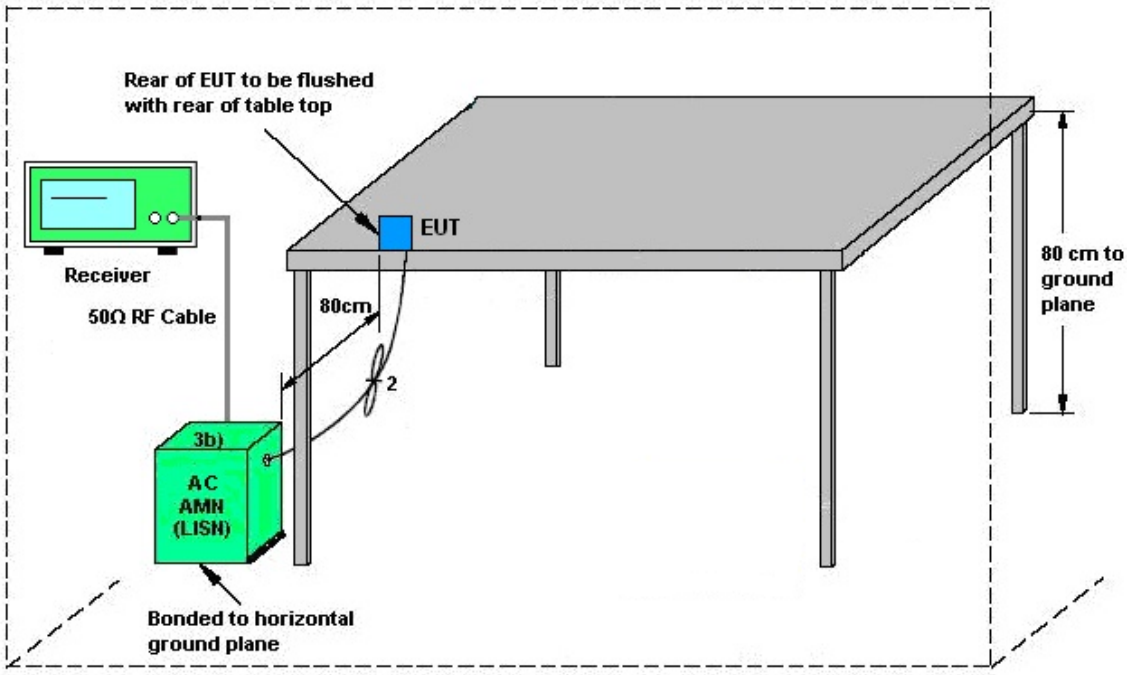
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Nov. 03, 2023~ Nov. 13, 2023	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 15, 2023	Nov. 03, 2023~ Nov. 13, 2023	Oct. 14, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18E N	1GHz~18GHz	Jul. 12, 2023	Nov. 03, 2023~ Nov. 13, 2023	Jul. 11, 2024	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Nov. 03, 2023~ Nov. 13, 2023	Jul. 09, 2024	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 15, 2023	Nov. 03, 2023~ Nov. 13, 2023	Jul. 14, 2024	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Nov. 03, 2023~ Nov. 13, 2023	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Nov. 03, 2023~ Nov. 13, 2023	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Aug. 28, 2023	Nov. 03, 2023~ Nov. 13, 2023	Aug. 27, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Nov. 03, 2023~ Nov. 13, 2023	Mar. 06, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804 612/2,804614 /2	30MHz~40GHz	Oct. 24, 2023	Nov. 03, 2023~ Nov. 13, 2023	Oct. 23, 2024	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Nov. 17, 2022	Nov. 03, 2023~ Nov. 13, 2023	Nov. 16, 2023	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 03, 2023~ Nov. 13, 2023	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 03, 2023~ Nov. 13, 2023	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Nov. 03, 2023~ Nov. 13, 2023	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Nov. 03, 2023~ Nov. 13, 2023	N/A	Radiation (03CH21-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Nov. 15, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 15, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Nov. 15, 2023	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Nov. 15, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Nov. 15, 2023	Mar. 04, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Nov. 15, 2023	Sep. 19, 2024	Conduction (CO07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303B	TP200735	N/A	Mar. 28, 2023	Oct. 20, 2023~ Nov. 17, 2023	Mar. 27, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Oct. 20, 2023~ Nov. 17, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Dec. 26, 2022	Oct. 20, 2023~ Nov. 17, 2023	Dec. 25, 2023	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.44 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.84 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.40 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.42 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.38 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku and Derek Hsu	Temperature:	21~25	°C
Test Date:	2023/10/20~2023/11/17	Relative Humidity:	51~54	%

<CDD Mode>

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	149	5745	16.33	16.38	19.12	19.20	16.15	16.40	0.5	Pass
11a	6Mbps	2	157	5785	16.33	16.38	19.28	19.12	16.15	16.15	0.5	Pass
11a	6Mbps	2	165	5825	16.33	16.38	18.96	19.20	16.40	16.10	0.5	Pass
HT20	MCS0	2	149	5745	17.53	17.53	20.48	19.92	16.90	16.85	0.5	Pass
HT20	MCS0	2	157	5785	17.53	17.53	20.48	20.32	17.25	17.00	0.5	Pass
HT20	MCS0	2	165	5825	17.53	17.53	20.24	20.08	17.40	17.25	0.5	Pass
HT40	MCS0	2	151	5755	36.06	36.16	40.80	40.48	35.46	35.28	0.5	Pass
HT40	MCS0	2	159	5795	36.16	36.16	40.80	40.80	35.46	35.46	0.5	Pass
VHT20	MCS0	2	149	5745	17.53	17.53	20.40	20.16	17.70	16.65	0.5	Pass
VHT20	MCS0	2	157	5785	17.53	17.53	20.40	20.00	16.90	16.65	0.5	Pass
VHT20	MCS0	2	165	5825	17.53	17.53	20.16	20.24	16.90	17.60	0.5	Pass
VHT40	MCS0	2	151	5755	36.06	36.06	40.80	40.80	35.46	35.46	0.5	Pass
VHT40	MCS0	2	159	5795	36.16	36.06	40.64	40.48	35.64	35.46	0.5	Pass
VHT80	MCS0	2	155	5775	75.28	75.28	82.88	81.92	75.68	72.96	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	12.50	11.50	15.04	29.72		6.28		Pass
11a	6Mbps	2	157	5785	12.30	11.40	14.88	29.72		6.28		Pass
11a	6Mbps	2	165	5825	12.40	11.60	15.03	29.72		6.28		Pass
HT20	MCS0	2	149	5745	12.30	11.90	15.11	29.72		6.28		Pass
HT20	MCS0	2	157	5785	12.30	11.90	15.11	29.72		6.28		Pass
HT20	MCS0	2	165	5825	12.20	11.50	14.87	29.72		6.28		Pass
HT40	MCS0	2	151	5755	12.30	11.60	14.97	29.72		6.28		Pass
HT40	MCS0	2	159	5795	12.30	11.70	15.02	29.72		6.28		Pass
VHT20	MCS0	2	149	5745	12.40	12.00	15.21	29.72		6.28		Pass
VHT20	MCS0	2	157	5785	12.40	12.00	15.21	29.72		6.28		Pass
VHT20	MCS0	2	165	5825	12.30	11.60	14.97	29.72		6.28		Pass
VHT40	MCS0	2	151	5755	12.40	11.70	15.07	29.72		6.28		Pass
VHT40	MCS0	2	159	5795	12.40	11.80	15.12	29.72		6.28		Pass
VHT80	MCS0	2	155	5775	12.40	12.10	15.26	29.72		6.28		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	0.32	0.32	2.22		-1.71	-3.16	1.30	26.76		9.24		Pass
11a	6Mbps	2	157	5785	0.32	0.32	2.22		-1.89	-3.39	1.12	26.76		9.24		Pass
11a	6Mbps	2	165	5825	0.32	0.32	2.22		-1.80	-2.94	1.21	26.76		9.24		Pass
HT20	MCS0	2	149	5745	0.00	0.00	2.22		-0.97	-2.59	2.04	26.76		9.24		Pass
HT20	MCS0	2	157	5785	0.00	0.00	2.22		-0.90	-2.69	2.11	26.76		9.24		Pass
HT20	MCS0	2	165	5825	0.00	0.00	2.22		-1.60	-2.78	1.41	26.76		9.24		Pass
HT40	MCS0	2	151	5755	0.00	0.00	2.22		-3.83	-5.34	-0.82	26.76		9.24		Pass
HT40	MCS0	2	159	5795	0.00	0.00	2.22		-4.19	-5.60	-1.18	26.76		9.24		Pass
VHT20	MCS0	2	149	5745	0.00	0.00	2.22		-0.87	-2.38	2.14	26.76		9.24		Pass
VHT20	MCS0	2	157	5785	0.00	0.00	2.22		-0.93	-2.66	2.08	26.76		9.24		Pass
VHT20	MCS0	2	165	5825	0.00	0.00	2.22		-1.45	-2.76	1.56	26.76		9.24		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	2.22		-3.82	-5.27	-0.81	26.76		9.24		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	2.22		-4.34	-5.65	-1.33	26.76		9.24		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	2.22		-6.75	-8.53	-3.74	26.76		9.24		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	18.88	18.83	20.96	20.88	18.80	18.60	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.88	18.83	20.96	21.04	18.80	18.90	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.93	18.88	20.88	20.88	18.95	18.30	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.86	37.96	41.44	41.92	37.98	36.63	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.96	37.96	41.28	41.28	37.71	37.80	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.20	77.20	83.20	83.20	77.44	76.00	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	12.50	12.10	15.31	29.72		6.28		Pass
HE20	MCS0	2	149	5745	26/0	3.10	1.90	5.55	29.72		6.28		Pass
HE20	MCS0	2	149	5745	52/37	6.80	5.30	9.12	29.72		6.28		Pass
HE20	MCS0	2	149	5745	106/53	9.50	8.10	11.87	29.72		6.28		Pass
HE20	MCS0	2	157	5785	Full	12.50	12.10	15.31	29.72		6.28		Pass
HE20	MCS0	2	157	5785	26/4	3.40	2.40	5.94	29.72		6.28		Pass
HE20	MCS0	2	157	5785	52/38	6.50	5.10	8.87	29.72		6.28		Pass
HE20	MCS0	2	157	5785	106/53	9.40	8.20	11.85	29.72		6.28		Pass
HE20	MCS0	2	165	5825	Full	12.40	11.70	15.07	29.72		6.28		Pass
HE20	MCS0	2	165	5825	26/8	2.80	2.30	5.57	29.72		6.28		Pass
HE20	MCS0	2	165	5825	52/40	5.90	4.90	8.44	29.72		6.28		Pass
HE20	MCS0	2	165	5825	106/54	8.90	8.40	11.67	29.72		6.28		Pass
HE40	MCS0	2	151	5755	Full	12.50	11.80	15.17	29.72		6.28		Pass
HE40	MCS0	2	159	5795	Full	12.50	11.90	15.22	29.72		6.28		Pass
HE80	MCS0	2	155	5775	Full	12.50	12.20	15.36	29.72		6.28		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	0.00	0.00	2.22		-1.23	-2.83	1.78	26.76		9.24		Pass
HE20	MCS0	2	149	5745	26/0	0.00	0.00	2.22		-1.84	-3.48	1.17	26.76		9.24		Pass
HE20	MCS0	2	149	5745	52/37	0.00	0.00	2.22		-1.47	-3.09	1.54	26.76		9.24		Pass
HE20	MCS0	2	149	5745	106/53	0.00	0.00	2.22		-1.67	-3.40	1.34	26.76		9.24		Pass
HE20	MCS0	2	157	5785	Full	0.00	0.00	2.22		-1.19	-3.02	1.82	26.76		9.24		Pass
HE20	MCS0	2	157	5785	26/4	0.00	0.00	2.22		-1.25	-2.75	1.76	26.76		9.24		Pass
HE20	MCS0	2	157	5785	52/38	0.00	0.00	2.22		-1.31	-3.04	1.70	26.76		9.24		Pass
HE20	MCS0	2	157	5785	106/53	0.00	0.00	2.22		-1.64	-3.15	1.37	26.76		9.24		Pass
HE20	MCS0	2	165	5825	Full	0.00	0.00	2.22		-1.82	-3.10	1.19	26.76		9.24		Pass
HE20	MCS0	2	165	5825	26/8	0.00	0.00	2.22		-1.98	-2.83	1.03	26.76		9.24		Pass
HE20	MCS0	2	165	5825	52/40	0.00	0.00	2.22		-2.08	-3.28	0.93	26.76		9.24		Pass
HE20	MCS0	2	165	5825	106/54	0.00	0.00	2.22		-2.12	-3.20	0.89	26.76		9.24		Pass
HE40	MCS0	2	151	5755	Full	0.00	0.00	2.22		-4.20	-5.70	-1.19	26.76		9.24		Pass
HE40	MCS0	2	159	5795	Full	0.00	0.00	2.22		-4.65	-5.98	-1.64	26.76		9.24		Pass
HE80	MCS0	2	155	5775	Full	0.00	0.00	2.22		-6.90	-8.61	-3.89	26.76		9.24		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

<TXBF Mode>

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	12.30	11.60	14.97	26.76		9.24		Pass
VHT20	MCS0	2	157	5785	12.20	11.40	14.83	26.76		9.24		Pass
VHT20	MCS0	2	165	5825	12.30	11.10	14.75	26.76		9.24		Pass
VHT40	MCS0	2	151	5755	12.30	11.40	14.88	26.76		9.24		Pass
VHT40	MCS0	2	159	5795	12.30	11.50	14.93	26.76		9.24		Pass
VHT80	MCS0	2	155	5775	12.20	11.90	15.06	26.76		9.24		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	0.00	0.00	2.22		-1.07	-2.89	1.94	26.76		9.24		Pass
VHT20	MCS0	2	157	5785	0.00	0.00	2.22		-1.14	-2.98	1.87	26.76		9.24		Pass
VHT20	MCS0	2	165	5825	0.00	0.00	2.22		-1.71	-3.01	1.30	26.76		9.24		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	2.22		-3.93	-5.66	-0.92	26.76		9.24		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	2.22		-4.47	-5.92	-1.46	26.76		9.24		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	2.22		-6.97	-8.86	-3.96	26.76		9.24		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	12.40	11.70	15.07	26.76		9.24		Pass
HE20	MCS0	2	149	5745	26/0	2.90	1.80	5.40	26.76		9.24		Pass
HE20	MCS0	2	149	5745	52/37	6.70	5.20	9.02	26.76		9.24		Pass
HE20	MCS0	2	149	5745	106/53	9.50	8.00	11.82	26.76		9.24		Pass
HE20	MCS0	2	157	5785	Full	12.30	11.50	14.93	26.76		9.24		Pass
HE20	MCS0	2	157	5785	26/4	3.10	2.10	5.64	26.76		9.24		Pass
HE20	MCS0	2	157	5785	52/38	6.50	5.00	8.82	26.76		9.24		Pass
HE20	MCS0	2	157	5785	106/53	9.40	8.10	11.81	26.76		9.24		Pass
HE20	MCS0	2	165	5825	Full	12.40	11.20	14.85	26.76		9.24		Pass
HE20	MCS0	2	165	5825	26/8	2.30	1.90	5.11	26.76		9.24		Pass
HE20	MCS0	2	165	5825	52/40	5.90	4.80	8.40	26.76		9.24		Pass
HE20	MCS0	2	165	5825	106/54	8.90	8.30	11.62	26.76		9.24		Pass
HE40	MCS0	2	151	5755	Full	12.40	11.50	14.98	26.76		9.24		Pass
HE40	MCS0	2	159	5795	Full	12.40	11.60	15.03	26.76		9.24		Pass
HE80	MCS0	2	155	5775	Full	12.30	12.00	15.16	26.76		9.24		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	0.00	0.00	2.22		-1.41	-3.21	1.60	26.76		9.24		Pass
HE20	MCS0	2	149	5745	26/0	0.00	0.00	2.22		-2.13	-3.70	0.88	26.76		9.24		Pass
HE20	MCS0	2	149	5745	52/37	0.00	0.00	2.22		-1.49	-3.28	1.52	26.76		9.24		Pass
HE20	MCS0	2	149	5745	106/53	0.00	0.00	2.22		-1.82	-3.60	1.19	26.76		9.24		Pass
HE20	MCS0	2	157	5785	Full	0.00	0.00	2.22		-1.51	-3.37	1.50	26.76		9.24		Pass
HE20	MCS0	2	157	5785	26/4	0.00	0.00	2.22		-1.80	-3.32	1.21	26.76		9.24		Pass
HE20	MCS0	2	157	5785	52/38	0.00	0.00	2.22		-1.43	-3.16	1.58	26.76		9.24		Pass
HE20	MCS0	2	157	5785	106/53	0.00	0.00	2.22		-1.84	-3.42	1.17	26.76		9.24		Pass
HE20	MCS0	2	165	5825	Full	0.00	0.00	2.22		-1.91	-3.40	1.10	26.76		9.24		Pass
HE20	MCS0	2	165	5825	26/8	0.00	0.00	2.22		-2.38	-3.25	0.63	26.76		9.24		Pass
HE20	MCS0	2	165	5825	52/40	0.00	0.00	2.22		-2.10	-3.53	0.91	26.76		9.24		Pass
HE20	MCS0	2	165	5825	106/54	0.00	0.00	2.22		-2.31	-3.42	0.70	26.76		9.24		Pass
HE40	MCS0	2	151	5755	Full	0.00	0.00	2.22		-4.35	-6.04	-1.34	26.76		9.24		Pass
HE40	MCS0	2	159	5795	Full	0.00	0.00	2.22		-4.94	-6.28	-1.93	26.76		9.24		Pass
HE80	MCS0	2	155	5775	Full	0.00	0.00	2.22		-7.08	-8.85	-4.07	26.76		9.24		Pass

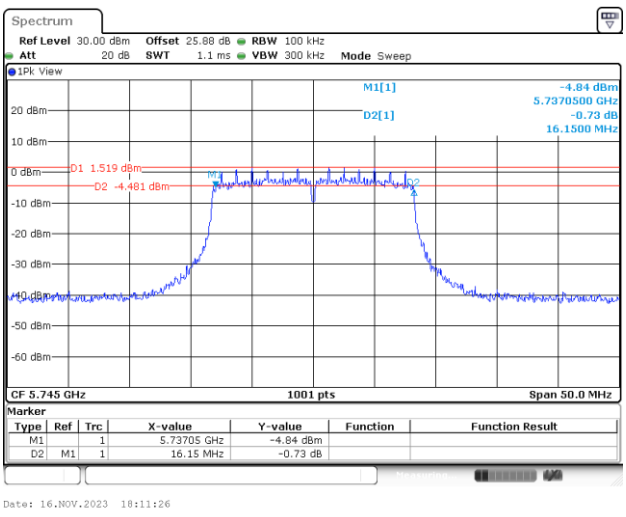
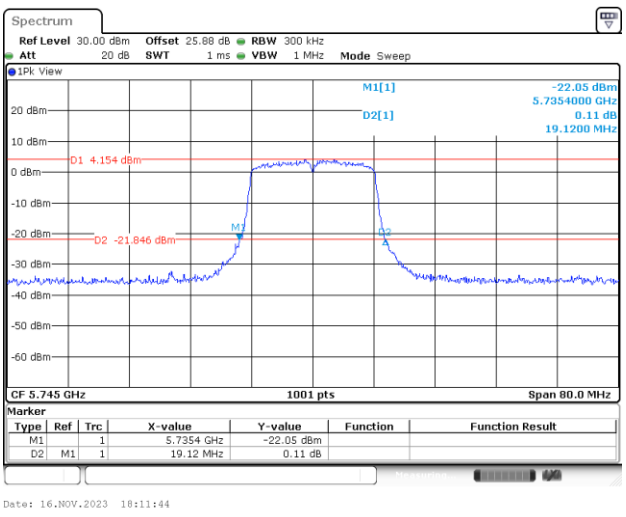
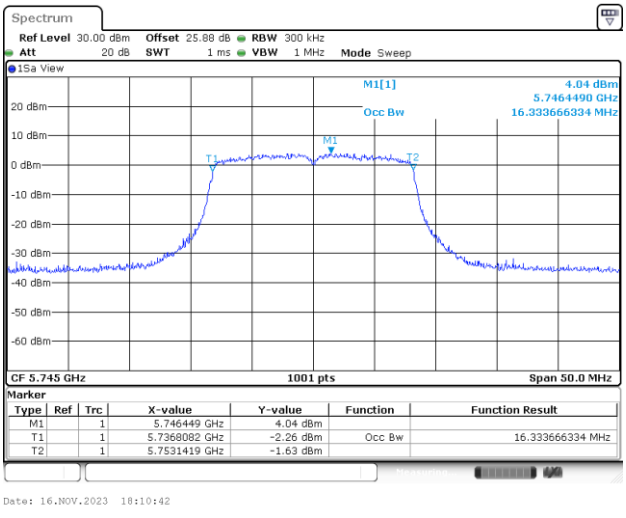
Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

<CDD Mode>

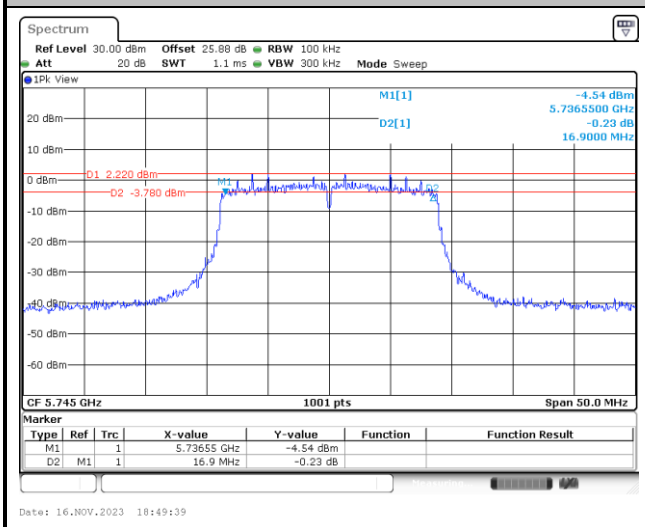
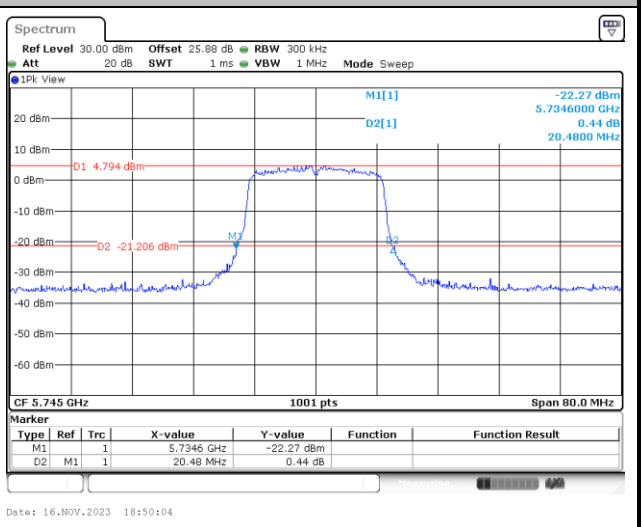
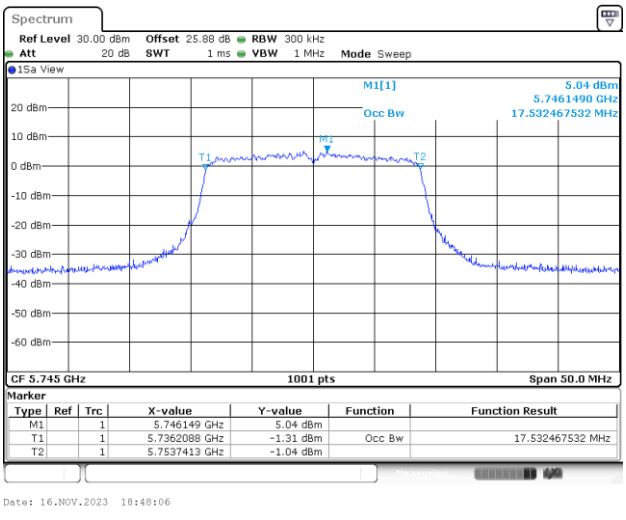
Test Result of 6dB and 26dB and 99% Occupied Bandwidth

MIMO <Ant. 1+2>

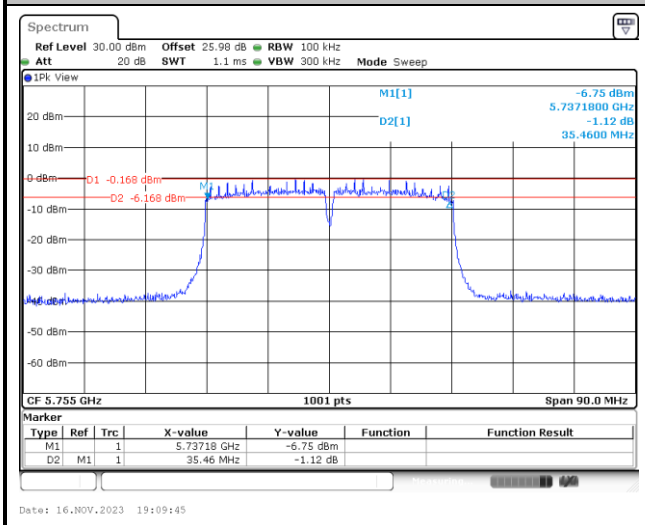
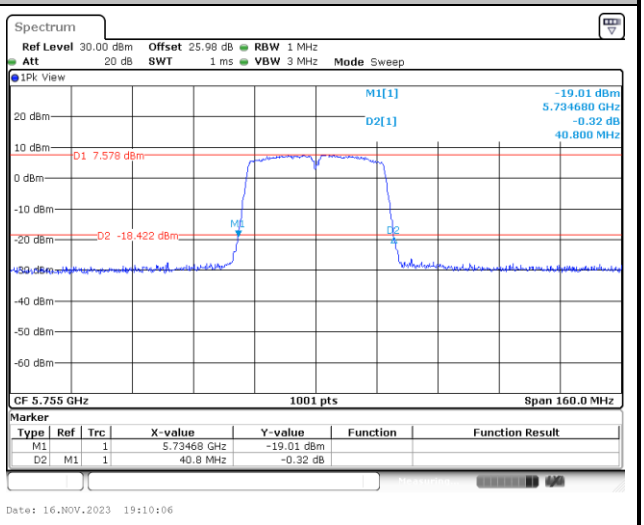
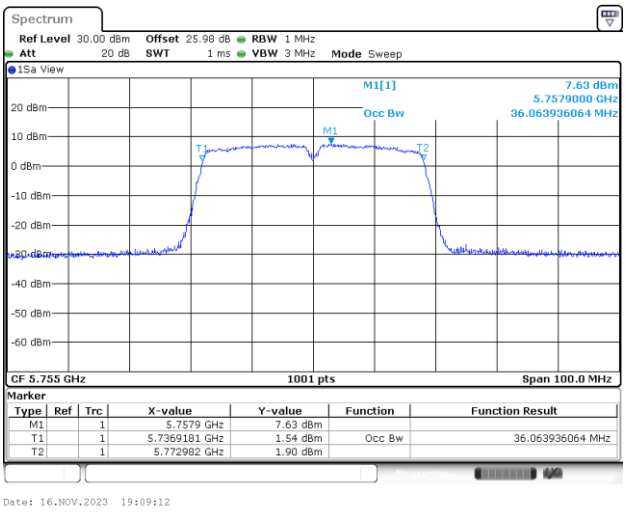
<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

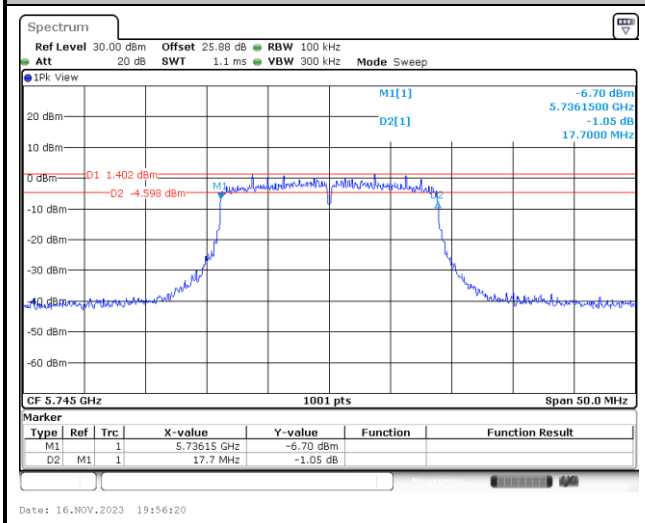
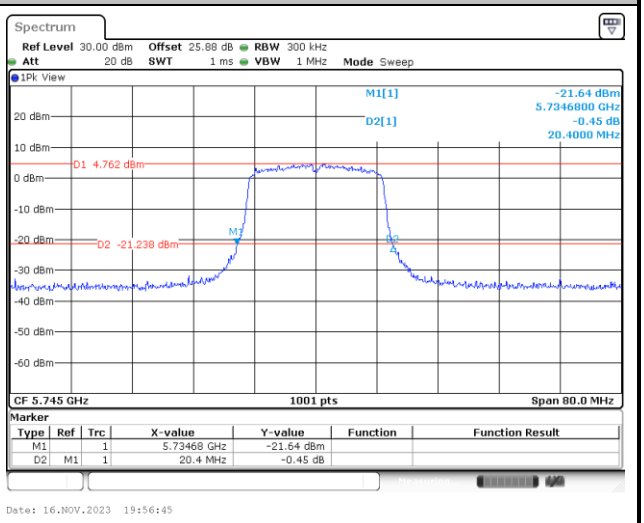
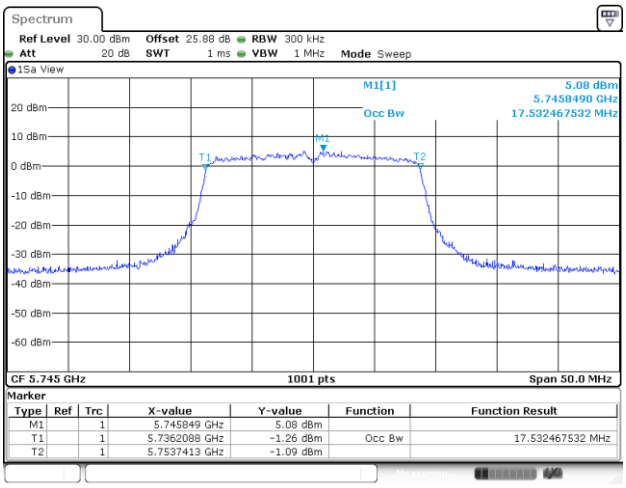
<802.11an HT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

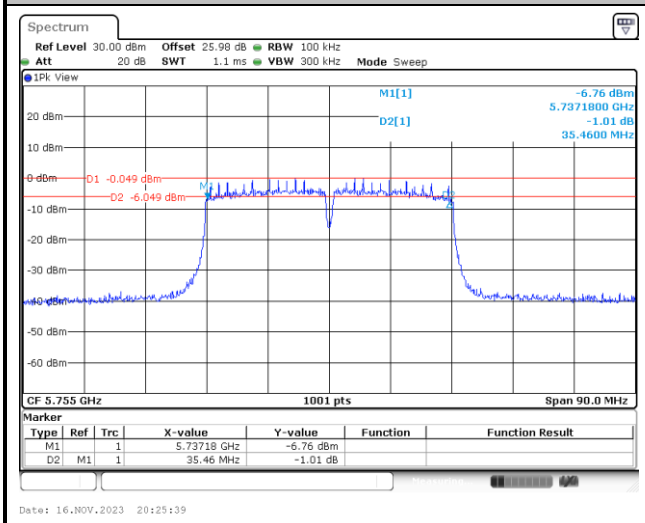
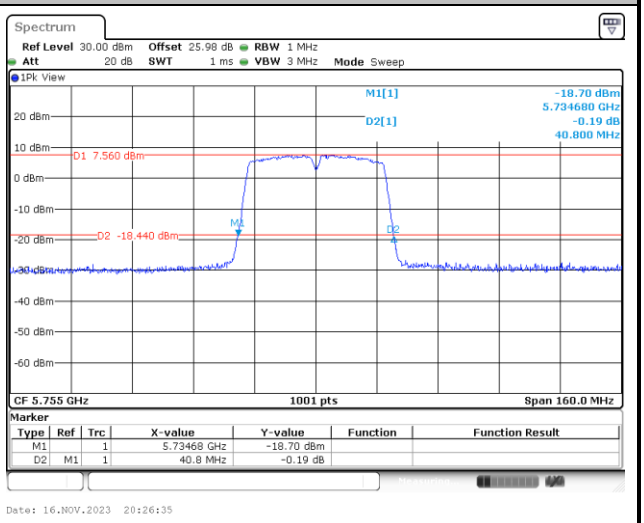
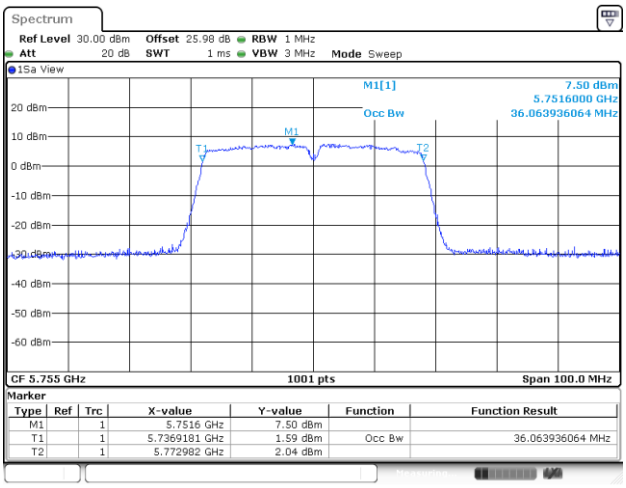
<802.11an HT40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

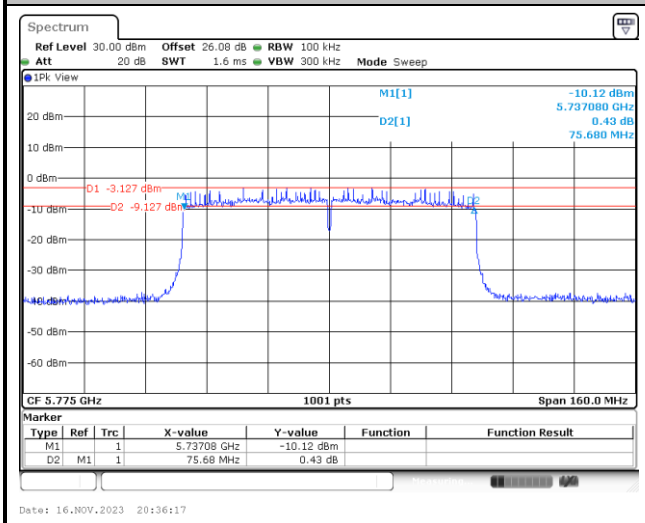
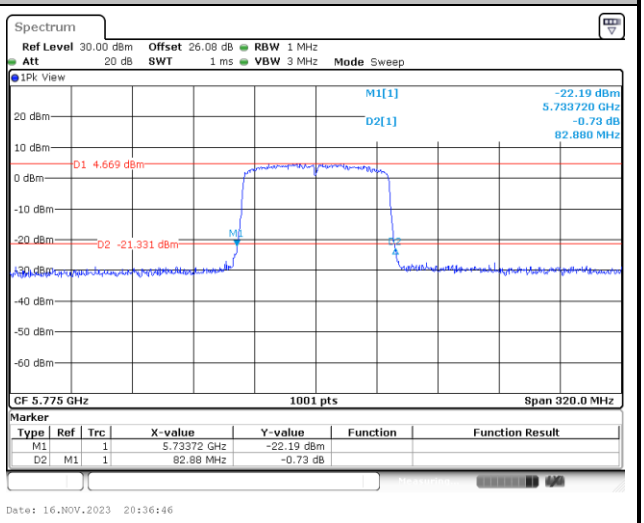
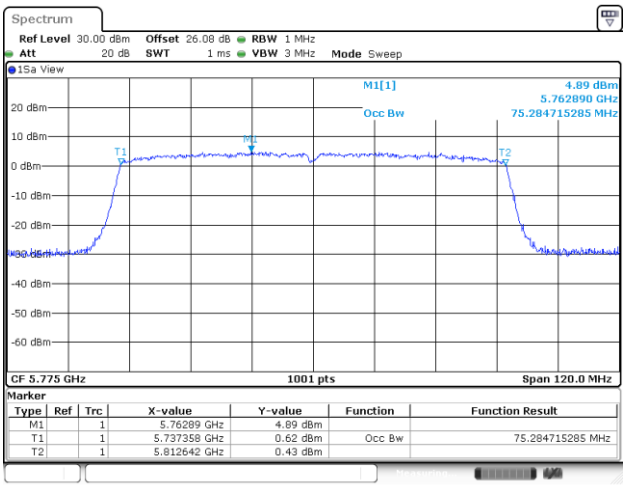
<802.11ac VHT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

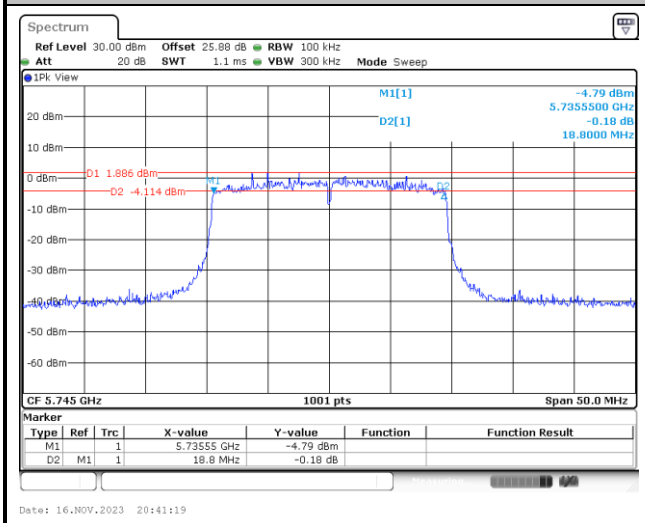
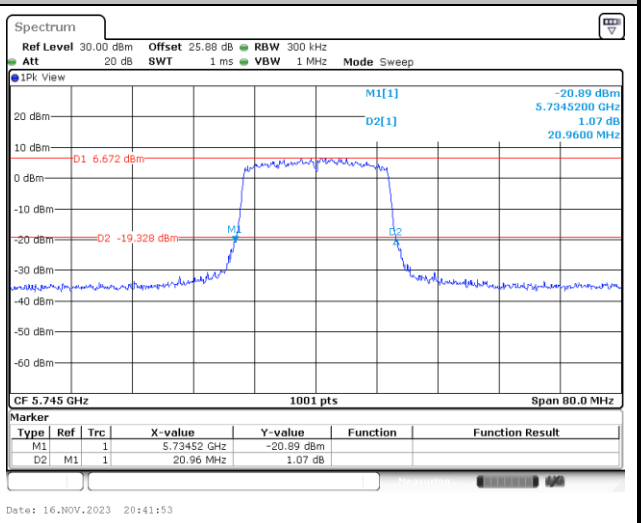
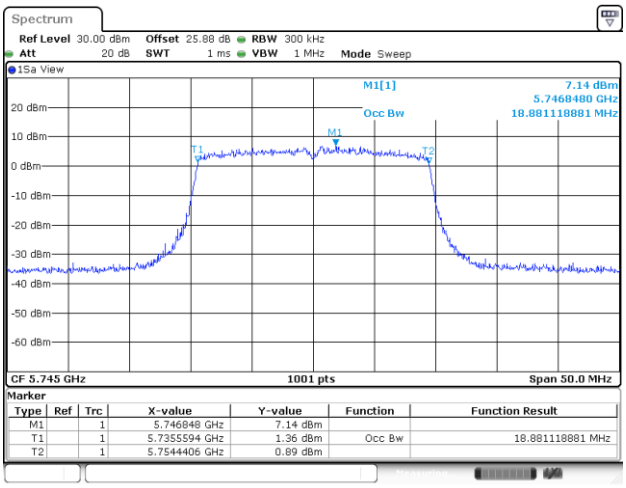
<802.11ac VHT40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

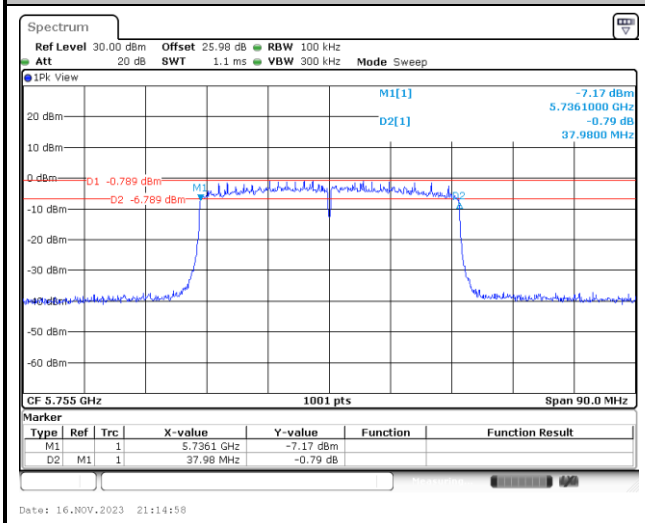
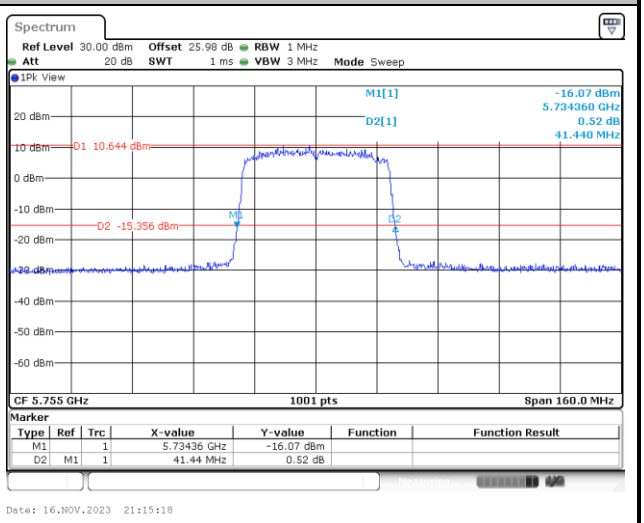
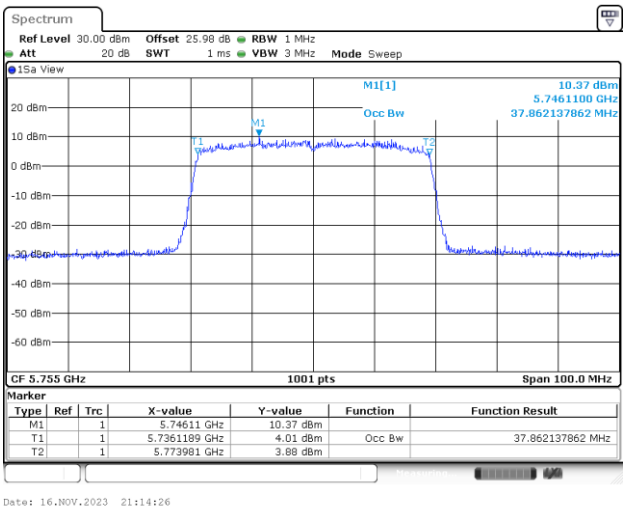
<802.11ac VHT80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

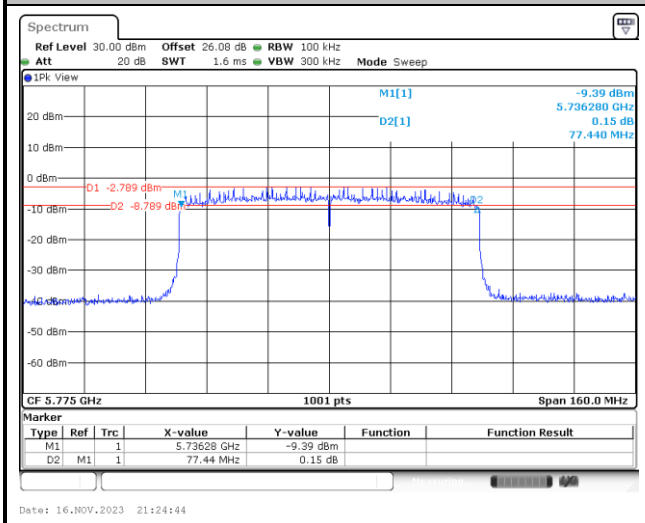
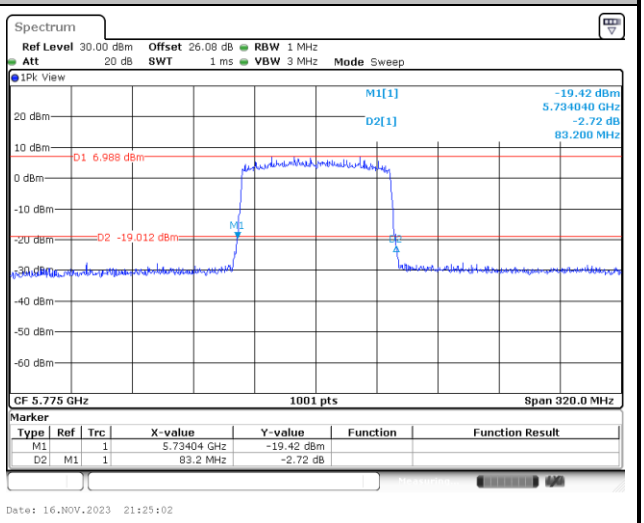
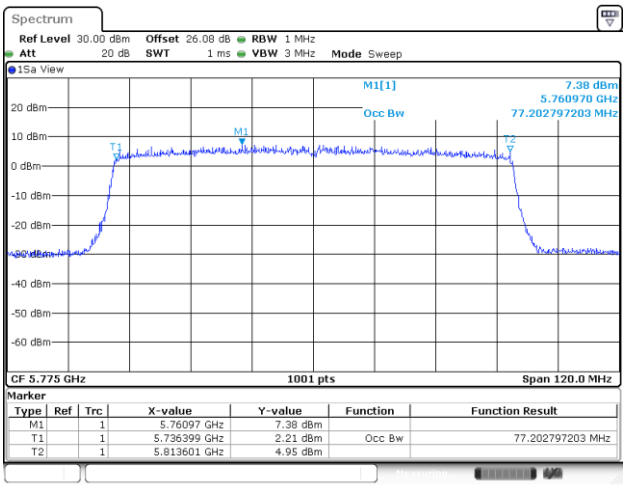
<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE40>

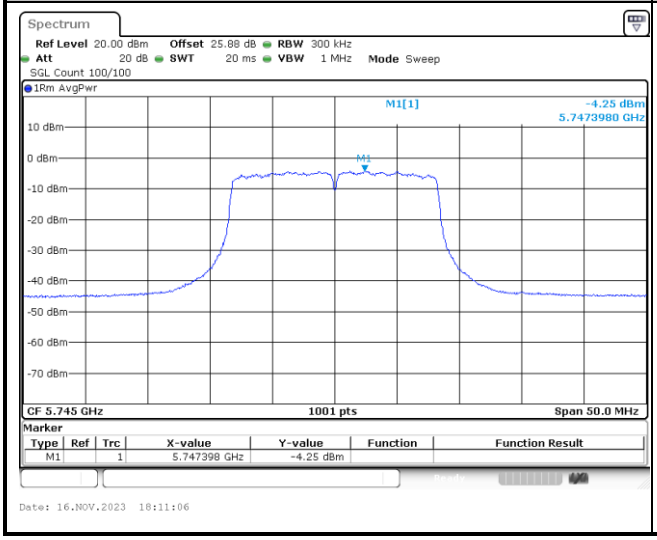
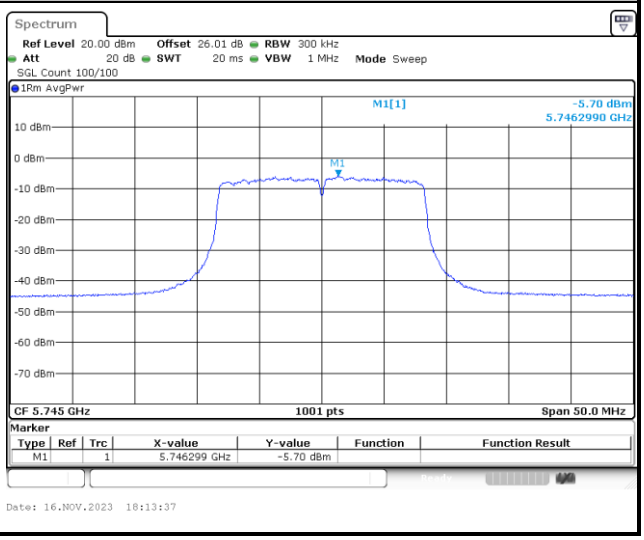
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE80>

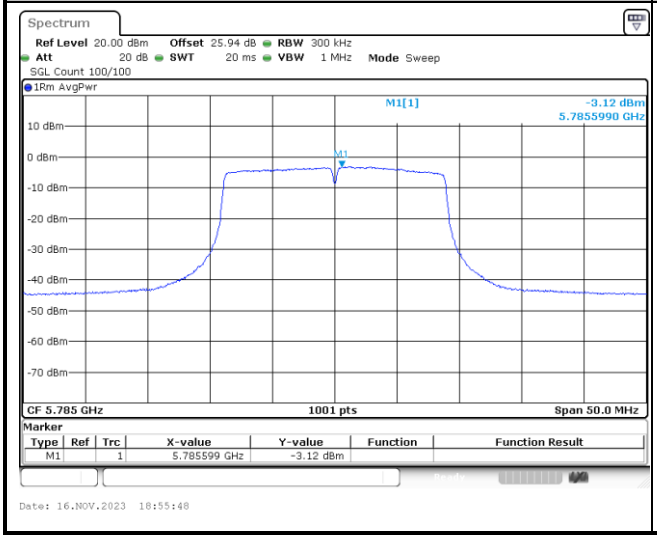
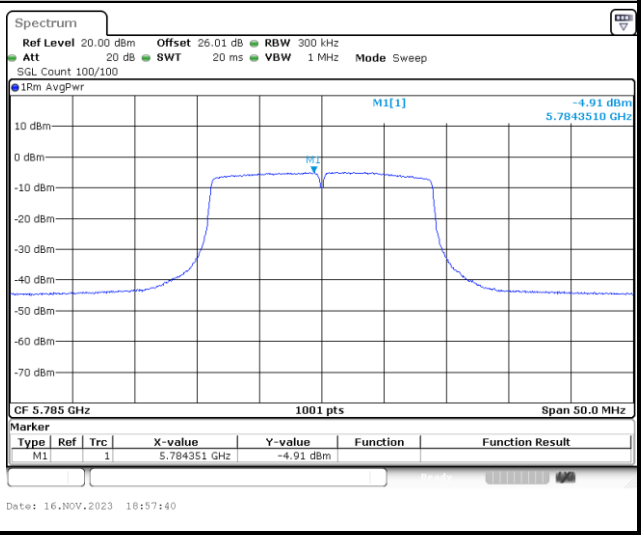
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Test Result of Power Spectral Density

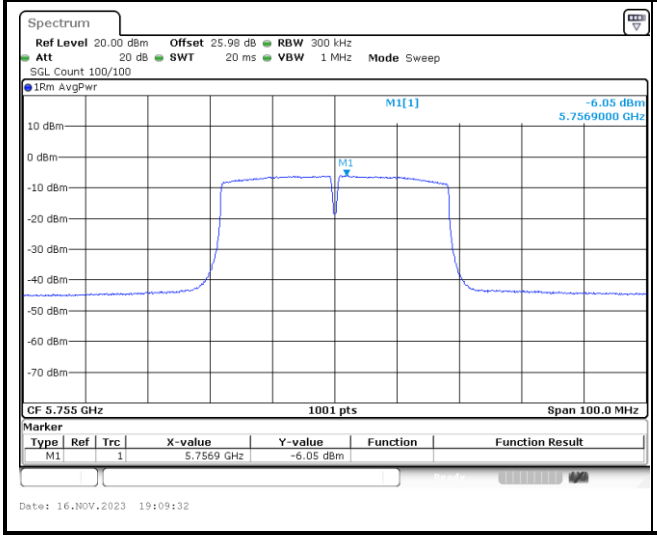
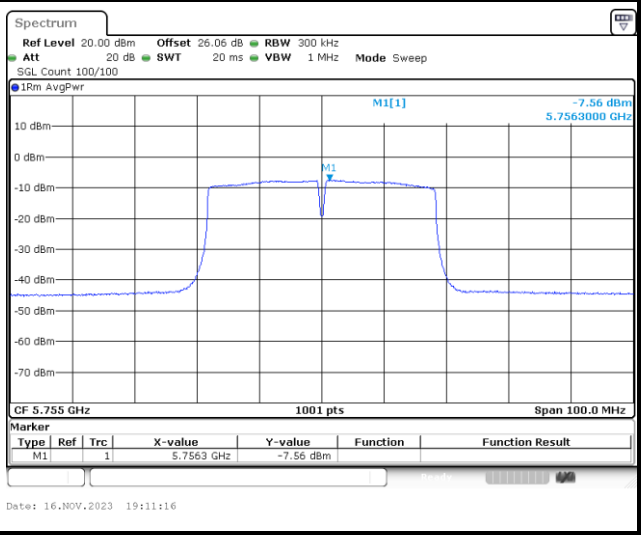
<802.11a>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

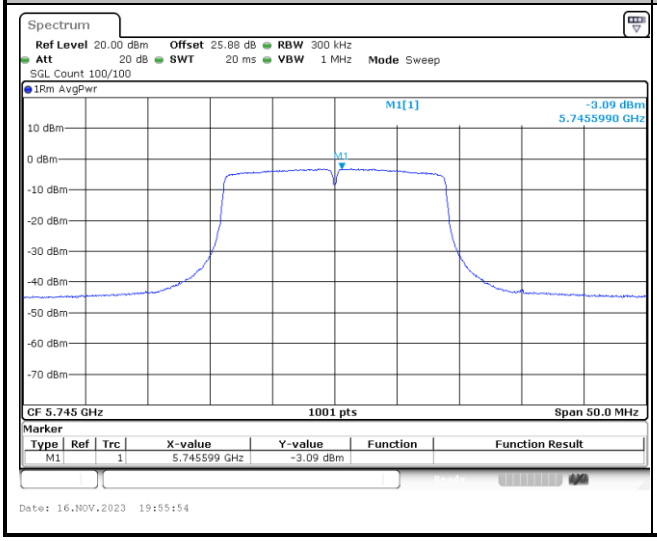
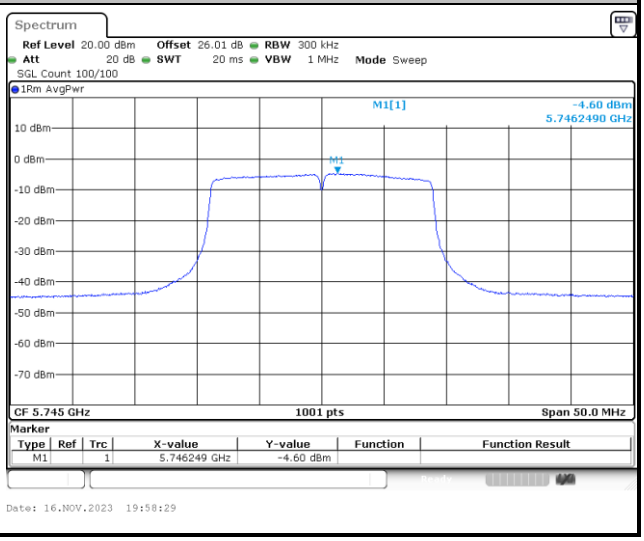
<802.11n HT20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

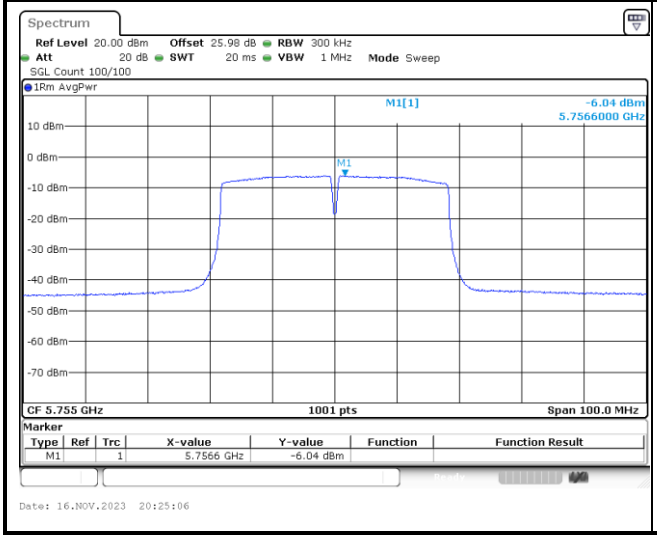
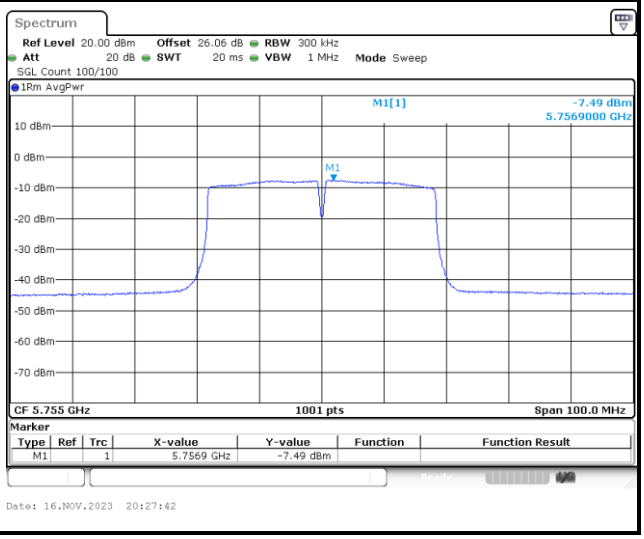
<802.11n HT40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

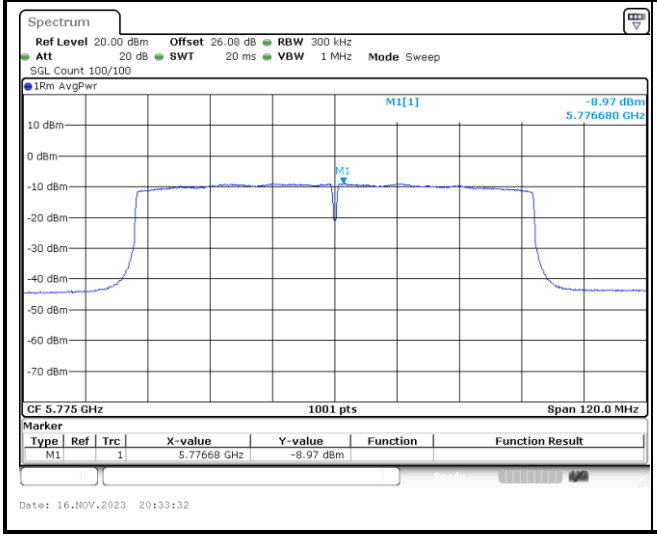
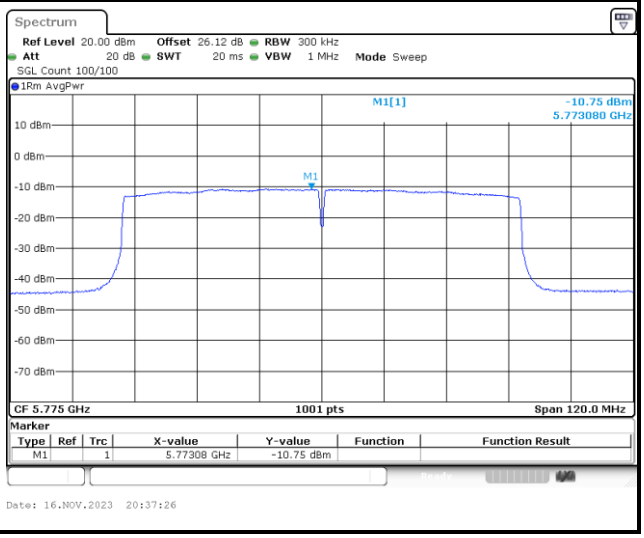
<802.11ac VHT20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

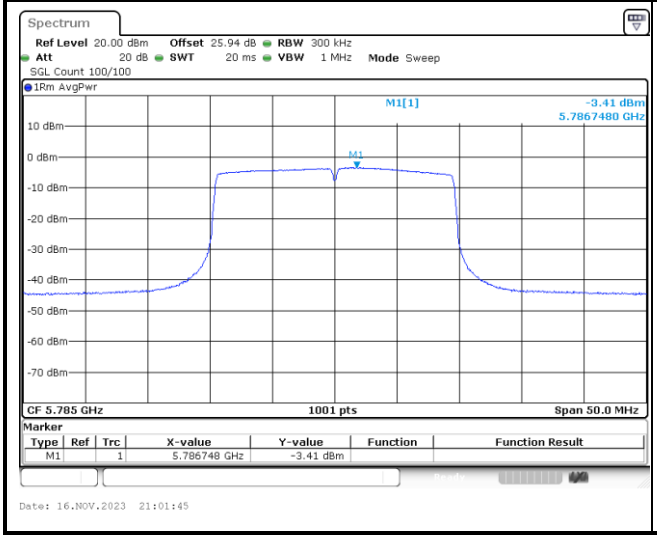
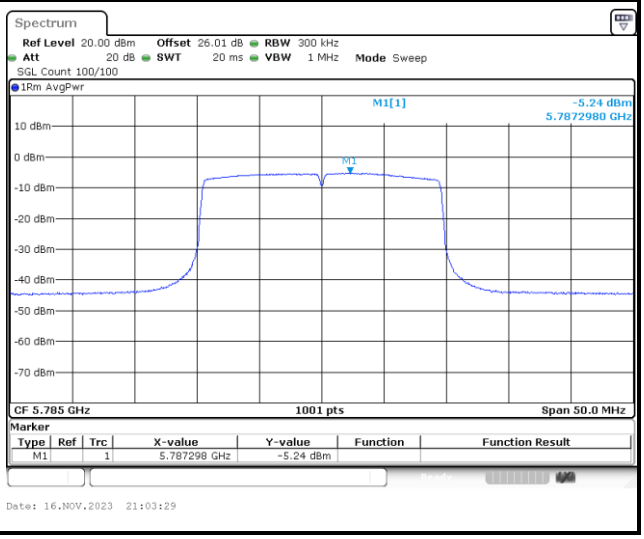
<802.11ac VHT40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

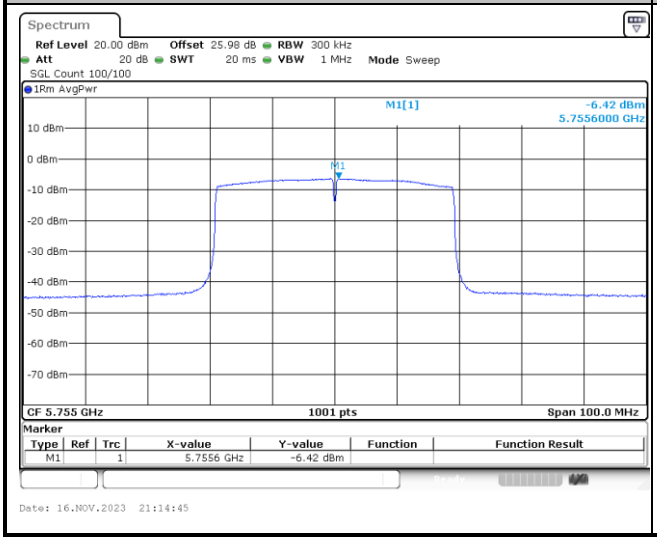
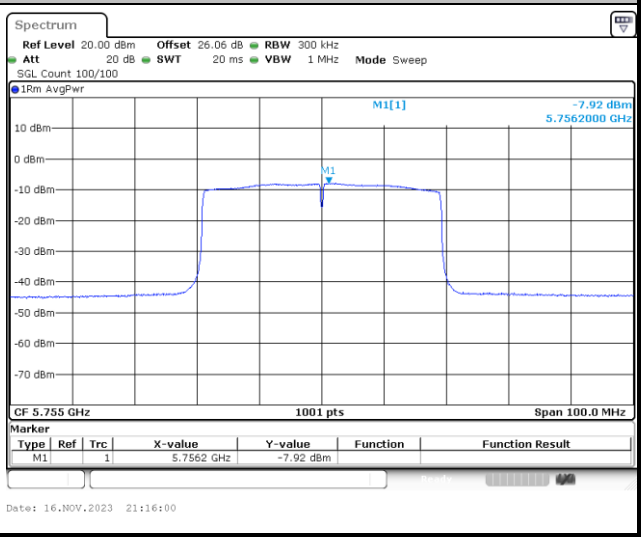
<802.11ac VHT80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

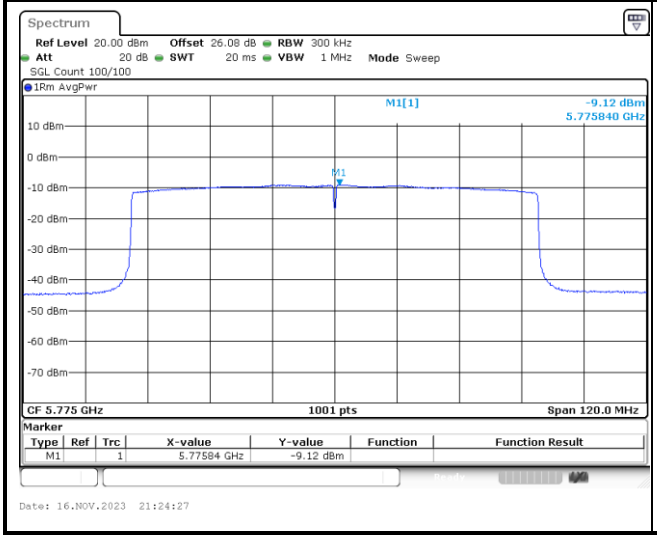
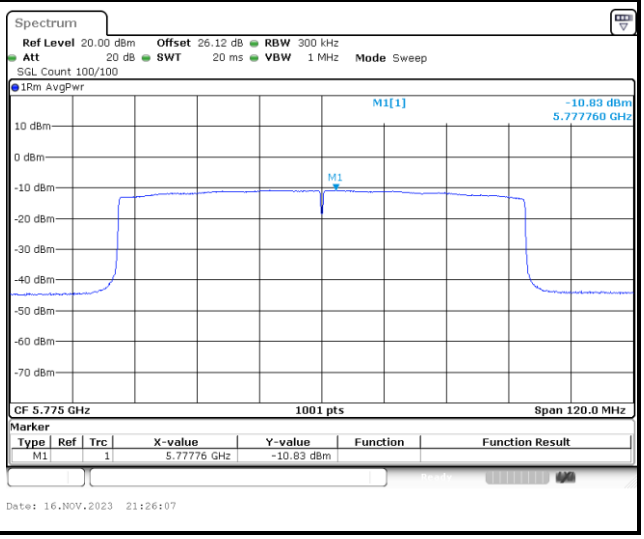
<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

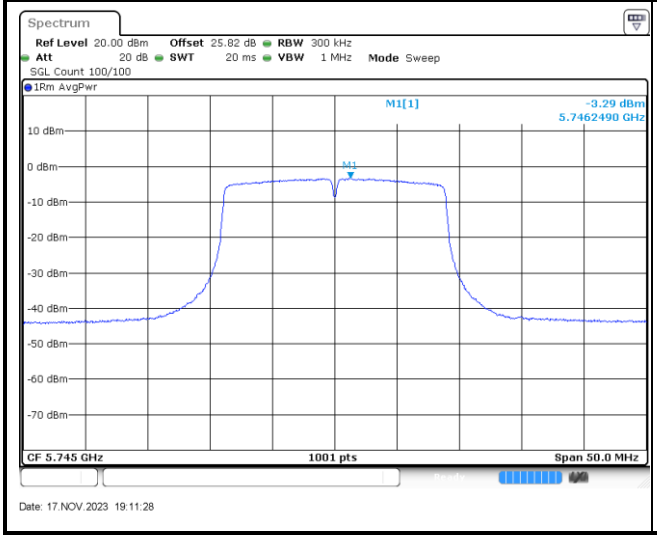
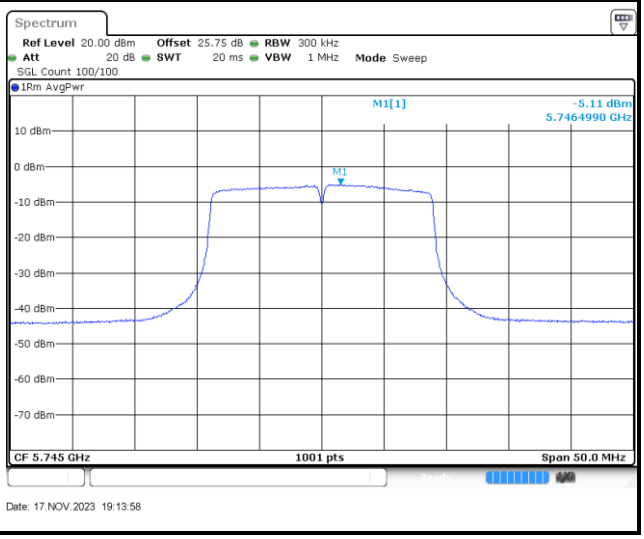
<802.11ax HE80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

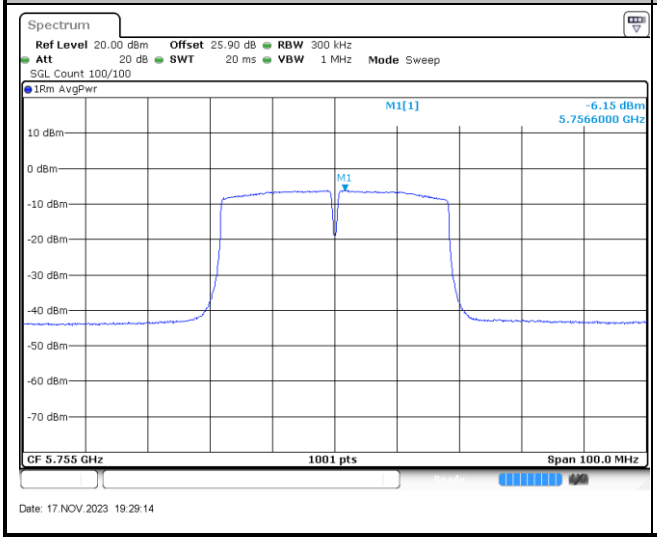
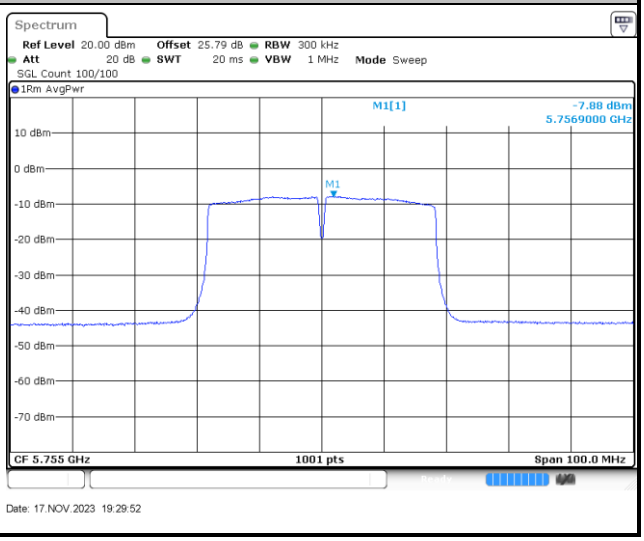
<TXBF Mode>

Test Result of Power Spectral Density

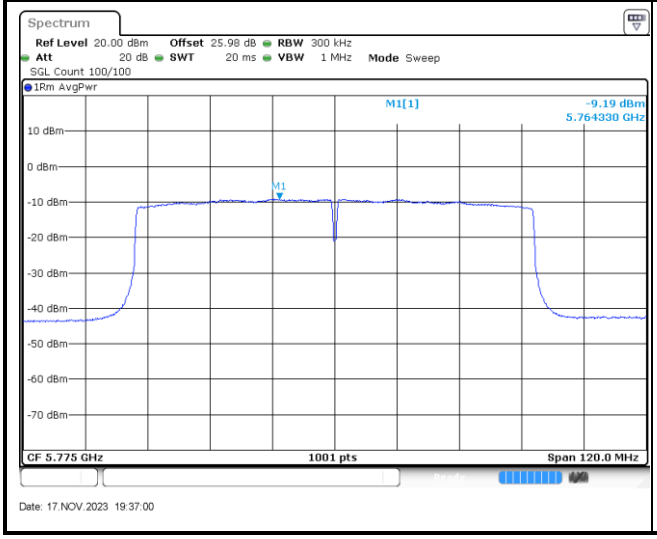
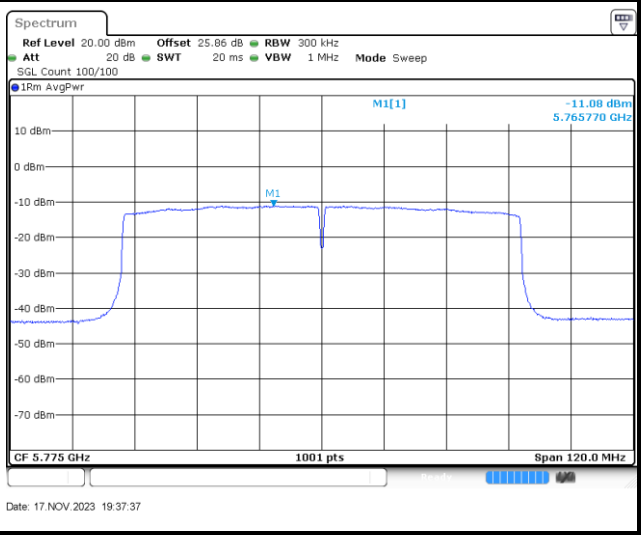
<802.11ac VHT20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	MIMO Ant. 2
	

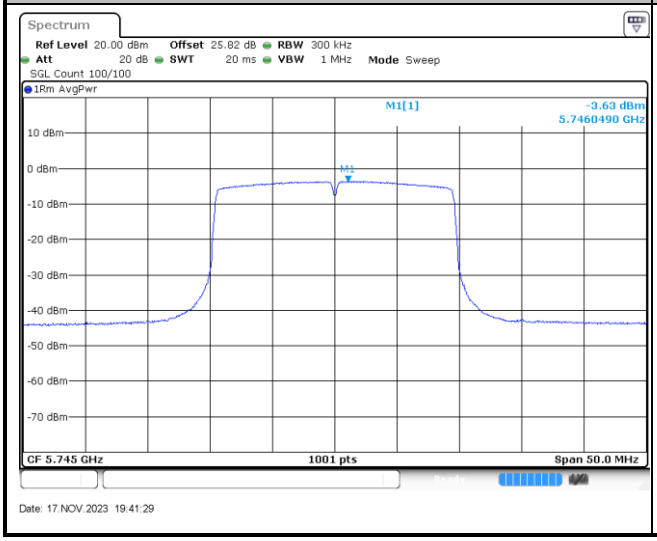
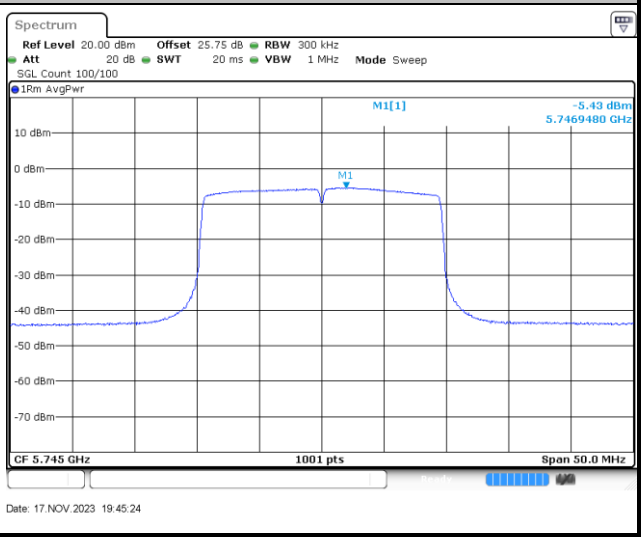
<802.11ac VHT40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	MIMO Ant. 2
	

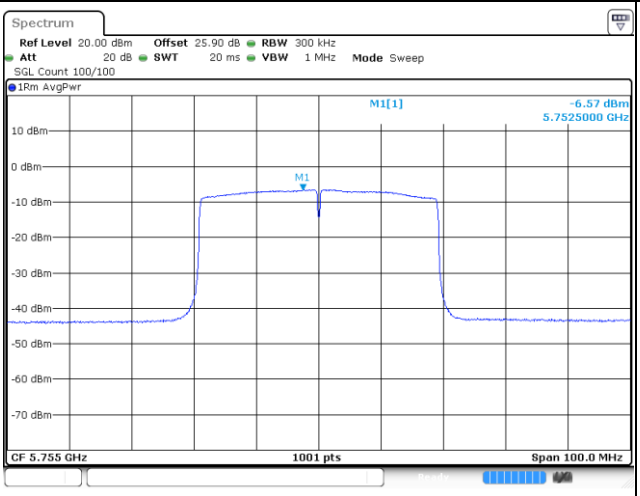
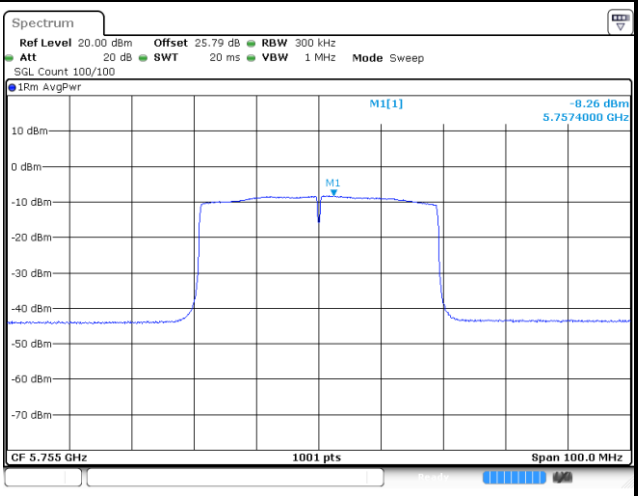
<802.11ac VHT80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

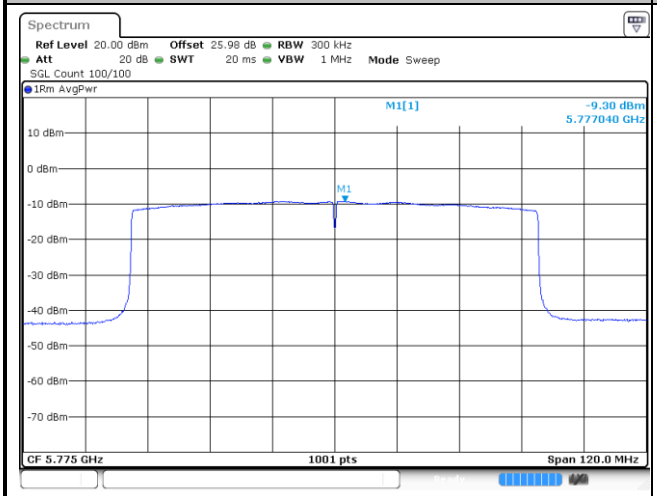
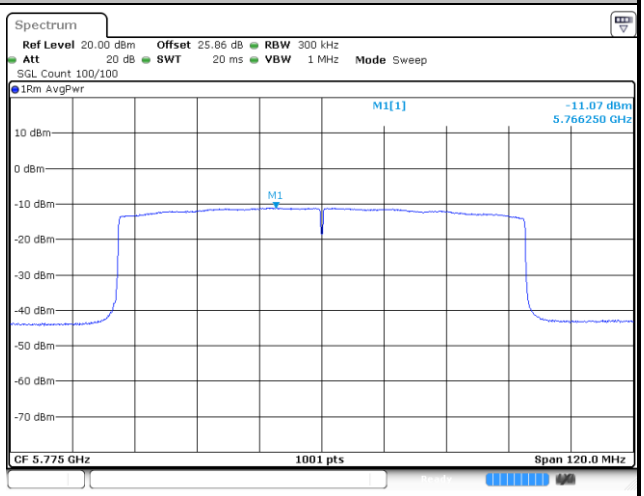
<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

<802.11ax HE80>

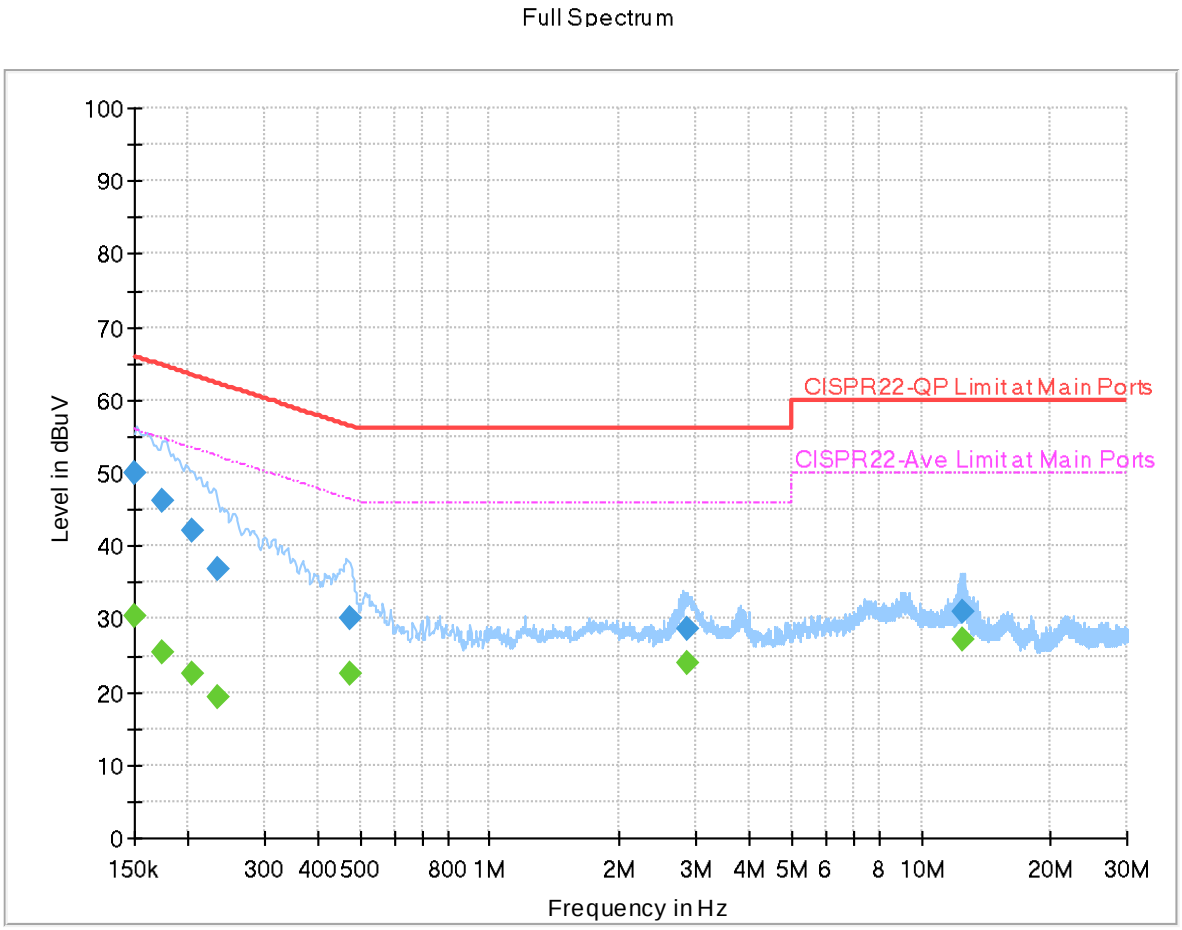
Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	20~26.7℃
		Relative Humidity :	58.2~62.3%

EUT Information

Report NO :	3O0513-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

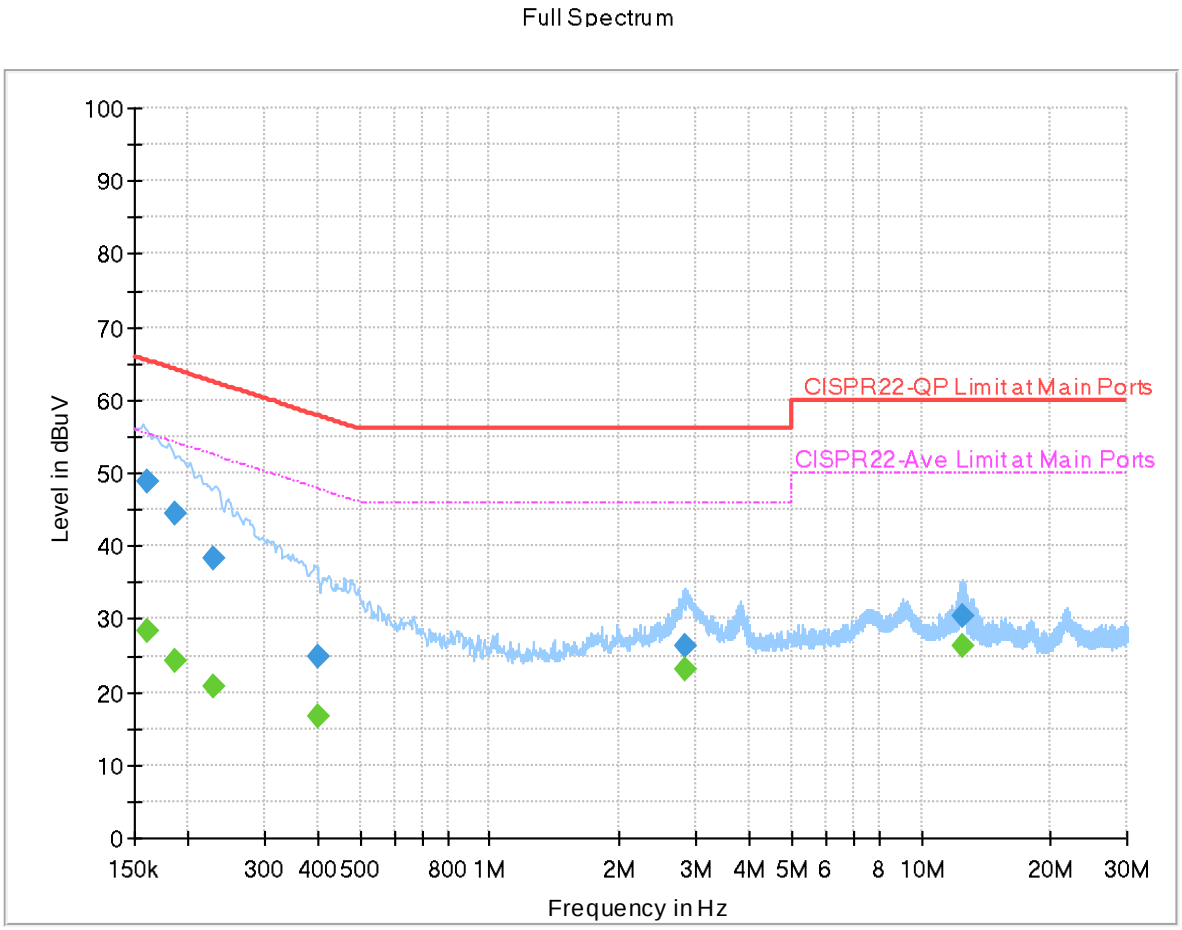


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	30.48	56.00	25.52	L1	OFF	19.9
0.150000	50.09	---	66.00	15.91	L1	OFF	19.9
0.174390	---	25.53	54.75	29.22	L1	OFF	19.9
0.174390	46.22	---	64.75	18.53	L1	OFF	19.9
0.203910	---	22.60	53.45	30.85	L1	OFF	19.9
0.203910	42.05	---	63.45	21.40	L1	OFF	19.9
0.233250	---	19.43	52.33	32.90	L1	OFF	19.9
0.233250	36.78	---	62.33	25.55	L1	OFF	19.9
0.474630	---	22.42	46.43	24.01	L1	OFF	19.9
0.474630	30.05	---	56.43	26.38	L1	OFF	19.9
2.872680	---	23.85	46.00	22.15	L1	OFF	20.0
2.872680	28.79	---	56.00	27.21	L1	OFF	20.0
12.497460	---	27.12	50.00	22.88	L1	OFF	20.1
12.497460	30.87	---	60.00	29.13	L1	OFF	20.1

EUT Information

Report NO :	3O0513-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	28.27	55.40	27.13	N	OFF	19.9
0.161250	48.85	---	65.40	16.55	N	OFF	19.9
0.186000	---	24.25	54.21	29.96	N	OFF	19.9
0.186000	44.47	---	64.21	19.74	N	OFF	19.9
0.229200	---	20.63	52.48	31.85	N	OFF	19.9
0.229200	38.17	---	62.48	24.31	N	OFF	19.9
0.401640	---	16.59	47.82	31.23	N	OFF	19.9
0.401640	24.98	---	57.82	32.84	N	OFF	19.9
2.845500	---	23.23	46.00	22.77	N	OFF	20.0
2.845500	26.22	---	56.00	29.78	N	OFF	20.0
12.499800	---	26.17	50.00	23.83	N	OFF	20.1
12.499800	30.35	---	60.00	29.65	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Jack Cheng, Ray Lung and Sky Chang	Temperature :	18~26°C
		Relative Humidity :	50~70%

<CDD Mode>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5649	48.81	-19.39	68.2	37.35	33.29	13.13	34.96	271	314	P	H
		5696.6	50.16	-52.53	102.69	38.38	33.58	13.2	35	271	314	P	H
		5719.2	50	-60.58	110.58	38.11	33.68	13.23	35.02	271	314	P	H
		5725	54.33	-67.87	122.2	42.41	33.7	13.24	35.02	271	314	P	H
	*	5745	111.53	-	-	99.52	33.78	13.27	35.04	271	314	P	H
	*	5745	104.42	-	-	92.41	33.78	13.27	35.04	271	314	A	H
													H
													H
		5643.6	49.13	-19.07	68.2	37.7	33.26	13.12	34.95	274	329	P	V
		5671.6	49.56	-34.66	84.22	37.95	33.43	13.16	34.98	274	329	P	V
		5703.8	49.38	-56.89	106.27	37.56	33.62	13.21	35.01	274	329	P	V
		5725	52.4	-69.8	122.2	40.48	33.7	13.24	35.02	274	329	P	V
	*	5745	111.57	-	-	99.56	33.78	13.27	35.04	274	329	P	V
	*	5745	104.42	-	-	92.41	33.78	13.27	35.04	274	329	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5601.4	48.9	-19.3	68.2	37.75	33.01	13.06	34.92	279	325	P	H
		5689.2	50.1	-47.14	97.24	38.36	33.54	13.19	34.99	279	325	P	H
		5707.4	49.14	-58.13	107.27	37.3	33.63	13.22	35.01	279	325	P	H
		5723.8	47.92	-71.54	119.46	36	33.7	13.24	35.02	279	325	P	H
	*	5785	111.68	-	-	99.56	33.87	13.33	35.08	279	325	P	H
	*	5785	104.63	-	-	92.51	33.87	13.33	35.08	279	325	A	H
		5851.8	48.37	-69.73	118.1	36.29	33.8	13.41	35.13	279	325	P	H
		5860.8	50.03	-59.14	109.17	37.95	33.8	13.42	35.14	279	325	P	H
		5909.8	49.49	-29.93	79.42	37.39	33.8	13.48	35.18	279	325	P	H
		5934.2	49.58	-18.62	68.2	37.47	33.8	13.51	35.2	279	325	P	H
													H
802.11a													H
CH 157		5616.8	48.99	-19.21	68.2	37.74	33.1	13.08	34.93	268	329	P	V
5785MHz		5681.4	49.42	-42.05	91.47	37.74	33.49	13.18	34.99	268	329	P	V
		5719.6	49.03	-61.66	110.69	37.14	33.68	13.23	35.02	268	329	P	V
		5721.6	48.37	-66.08	114.45	36.46	33.69	13.24	35.02	268	329	P	V
	*	5785	111.32	-	-	99.2	33.87	13.33	35.08	268	329	P	V
	*	5785	104.3	-	-	92.18	33.87	13.33	35.08	268	329	A	V
		5852.6	48.21	-68.06	116.27	36.13	33.8	13.41	35.13	268	329	P	V
		5865.6	49.87	-57.96	107.83	37.78	33.8	13.43	35.14	268	329	P	V
		5908.6	49.97	-30.33	80.3	37.87	33.8	13.48	35.18	268	329	P	V
		5939.2	49.26	-18.94	68.2	37.15	33.8	13.52	35.21	268	329	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	112.01	-	-	99.89	33.85	13.38	35.11	262	327	P	H
	*	5825	104.47	-	-	92.35	33.85	13.38	35.11	262	327	A	H
		5852	50.89	-66.75	117.64	38.81	33.8	13.41	35.13	262	327	P	H
		5866.2	50.07	-57.59	107.66	37.98	33.8	13.43	35.14	262	327	P	H
		5920.2	51.6	-20.14	71.74	39.5	33.8	13.49	35.19	262	327	P	H
		5940.4	50.12	-18.08	68.2	38.01	33.8	13.52	35.21	262	327	P	H
													H
802.11a													H
CH 165	*	5825	110.1	-	-	97.98	33.85	13.38	35.11	261	329	P	V
5825MHz	*	5825	103.89	-	-	91.77	33.85	13.38	35.11	261	329	A	V
		5855	49.91	-60.89	110.8	37.83	33.8	13.42	35.14	261	329	P	V
		5855	49.91	-60.89	110.8	37.83	33.8	13.42	35.14	261	329	P	V
		5900.6	50.16	-36.06	86.22	38.06	33.8	13.47	35.17	261	329	P	V
		5926	50.42	-17.78	68.2	38.32	33.8	13.5	35.2	261	329	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	51.33	-22.67	74	33.74	38.7	19.5	40.61	-	-	P	H
		11490	42.01	-11.99	54	24.42	38.7	19.5	40.61	-	-	A	H
		17235	52.22	-15.98	68.2	35.27	40.04	24.08	47.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	51.13	-22.87	74	33.54	38.7	19.5	40.61	-	-	P	V
		11490	42.07	-11.93	54	24.48	38.7	19.5	40.61	-	-	A	V
		17235	52.7	-15.5	68.2	35.75	40.04	24.08	47.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	50.12	-23.88	74	32.72	38.56	19.56	40.72	-	-	P	H
		11570	41.68	-12.32	54	24.28	38.56	19.56	40.72	-	-	A	H
		17355	51.45	-16.75	68.2	34.83	39.91	24.15	47.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz		11570	50.6	-23.4	74	33.2	38.56	19.56	40.72	-	-	P	V
		11570	42.03	-11.97	54	24.63	38.56	19.56	40.72	-	-	A	V
		17355	52.38	-15.82	68.2	35.76	39.91	24.15	47.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	50.16	-23.84	74	32.77	38.6	19.63	40.84	-	-	P	H
		11650	41.77	-12.23	54	24.38	38.6	19.63	40.84	-	-	A	H
		17475	52.61	-15.59	68.2	36.09	40	24.23	47.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 165 5825MHz													H
		11650	50.35	-23.65	74	32.96	38.6	19.63	40.84	-	-	P	V
		11650	41.5	-12.5	54	24.11	38.6	19.63	40.84	-	-	A	V
		17475	51.8	-16.4	68.2	35.28	40	24.23	47.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5641	50	-18.2	68.2	38.58	33.25	13.12	34.95	273	317	P	H
		5687.6	48.91	-47.14	96.05	37.18	33.53	13.19	34.99	273	317	P	H
		5720	51.27	-59.53	110.8	39.38	33.68	13.23	35.02	273	317	P	H
		5724.8	56.36	-65.38	121.74	44.44	33.7	13.24	35.02	273	317	P	H
	*	5745	111.58	-	-	99.57	33.78	13.27	35.04	273	317	P	H
	*	5745	105.03	-	-	93.02	33.78	13.27	35.04	273	317	A	H
802.11n													H
HT20													H
CH 149		5610.6	47.97	-20.23	68.2	36.76	33.06	13.08	34.93	268	328	P	V
5745MHz		5652.2	49.42	-20.42	69.84	37.93	33.31	13.14	34.96	268	328	P	V
		5719.4	49.67	-60.96	110.63	37.78	33.68	13.23	35.02	268	328	P	V
		5722	52.59	-62.77	115.36	40.68	33.69	13.24	35.02	268	328	P	V
	*	5745	111.61	-	-	99.6	33.78	13.27	35.04	268	328	P	V
	*	5745	104.34	-	-	92.33	33.78	13.27	35.04	268	328	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	110.04	-	-	97.92	33.85	13.38	35.11	265	325	P	H
	*	5825	104.08	-	-	91.96	33.85	13.38	35.11	265	325	A	H
		5850	49.13	-73.07	122.2	37.05	33.8	13.41	35.13	265	325	P	H
		5866.2	49.84	-57.82	107.66	37.75	33.8	13.43	35.14	265	325	P	H
		5922.4	49.6	-20.52	70.12	37.49	33.8	13.5	35.19	265	325	P	H
		5926	49.32	-18.88	68.2	37.22	33.8	13.5	35.2	265	325	P	H
802.11n													H
HT20													H
CH 165	*	5825	110.29	-	-	98.17	33.85	13.38	35.11	250	332	P	V
5825MHz	*	5825	103.77	-	-	91.65	33.85	13.38	35.11	250	332	A	V
		5850	49.73	-72.47	122.2	37.65	33.8	13.41	35.13	250	332	P	V
		5857.6	50.2	-59.87	110.07	38.12	33.8	13.42	35.14	250	332	P	V
		5903	49.84	-34.6	84.44	37.75	33.8	13.47	35.18	250	332	P	V
		5942	48.86	-19.34	68.2	36.75	33.8	13.52	35.21	250	332	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	50.1	-23.9	74	32.7	38.56	19.56	40.72	-	-	P	H
		11570	39.86	-14.14	54	22.46	38.56	19.56	40.72	-	-	A	H
		17355	52.12	-16.08	68.2	35.5	39.91	24.15	47.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 157		11570	50.07	-23.93	74	32.67	38.56	19.56	40.72	-	-	P	V
5785MHz		11570	39.89	-14.11	54	22.49	38.56	19.56	40.72	-	-	A	V
		17355	52.09	-16.11	68.2	35.47	39.91	24.15	47.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5613.4	48.85	-19.35	68.2	37.62	33.08	13.08	34.93	271	325	P	H
		5670	49.76	-33.28	83.04	38.16	33.42	13.16	34.98	271	325	P	H
		5716.4	60.46	-49.33	109.79	48.58	33.67	13.23	35.02	271	325	P	H
		5725	61.19	-61.01	122.2	49.27	33.7	13.24	35.02	271	325	P	H
	*	5755	108.78	-	-	96.74	33.81	13.28	35.05	271	325	P	H
	*	5755	102.4	-	-	90.36	33.81	13.28	35.05	271	325	A	H
		5854.2	49.14	-63.48	112.62	37.05	33.8	13.42	35.13	271	325	P	H
		5868.6	47.86	-59.13	106.99	35.78	33.8	13.43	35.15	271	325	P	H
		5908	48.51	-32.23	80.74	36.41	33.8	13.48	35.18	271	325	P	H
		5934.8	48.26	-19.94	68.2	36.15	33.8	13.51	35.2	271	325	P	H
802.11n													H
HT40													H
CH 151		5614.4	49.65	-18.55	68.2	38.41	33.09	13.08	34.93	275	328	P	V
5755MHz		5672.8	49.87	-35.24	85.11	38.24	33.44	13.17	34.98	275	328	P	V
		5717.6	57.22	-52.91	110.13	45.34	33.67	13.23	35.02	275	328	P	V
		5721	58.64	-54.44	113.08	46.74	33.68	13.24	35.02	275	328	P	V
	*	5755	109.72	-	-	97.68	33.81	13.28	35.05	275	328	P	V
	*	5755	101.88	-	-	89.84	33.81	13.28	35.05	275	328	A	V
		5853.8	47.49	-66.05	113.54	35.41	33.8	13.41	35.13	275	328	P	V
		5857.8	48.59	-61.42	110.01	36.51	33.8	13.42	35.14	275	328	P	V
		5921.8	49.15	-21.41	70.56	37.04	33.8	13.5	35.19	275	328	P	V
		5947.4	49.64	-18.56	68.2	37.52	33.8	13.53	35.21	275	328	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5606.4	48.6	-19.6	68.2	37.41	33.04	13.07	34.92	264	325	P	H
		5691.2	51.05	-47.66	98.71	39.3	33.55	13.19	34.99	264	325	P	H
		5700.8	49.59	-55.83	105.42	37.78	33.6	13.21	35	264	325	P	H
		5722.2	48.61	-67.21	115.82	36.7	33.69	13.24	35.02	264	325	P	H
	*	5795	107.99	-	-	95.84	33.89	13.34	35.08	264	325	P	H
	*	5795	102.17	-	-	90.02	33.89	13.34	35.08	264	325	A	H
		5855	50.1	-60.7	110.8	38.02	33.8	13.42	35.14	264	325	P	H
		5855.2	50.33	-60.41	110.74	38.25	33.8	13.42	35.14	264	325	P	H
		5890.6	49.51	-44.11	93.62	37.42	33.8	13.46	35.17	264	325	P	H
		5933.6	48.3	-19.9	68.2	36.19	33.8	13.51	35.2	264	325	P	H
802.11n													H
HT40													H
CH 159		5631.4	49.71	-18.49	68.2	38.35	33.19	13.11	34.94	264	328	P	V
5795MHz		5658.6	48.5	-26.09	74.59	36.98	33.35	13.14	34.97	264	328	P	V
		5703.2	48.74	-57.36	106.1	36.92	33.61	13.21	35	264	328	P	V
		5723.6	49.59	-69.42	119.01	37.68	33.69	13.24	35.02	264	328	P	V
	*	5795	108.8	-	-	96.65	33.89	13.34	35.08	264	328	P	V
	*	5795	101.52	-	-	89.37	33.89	13.34	35.08	264	328	A	V
		5851.8	48.88	-69.22	118.1	36.8	33.8	13.41	35.13	264	328	P	V
		5859.8	49.89	-59.56	109.45	37.81	33.8	13.42	35.14	264	328	P	V
		5904.8	49.38	-33.73	83.11	37.28	33.8	13.48	35.18	264	328	P	V
		5938.6	48.75	-19.45	68.2	36.64	33.8	13.52	35.21	264	328	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5643.6	49.17	-19.03	68.2	37.74	33.26	13.12	34.95	270	324	P	H
		5652.2	48.73	-21.11	69.84	37.24	33.31	13.14	34.96	270	324	P	H
		5717.8	52.25	-57.93	110.18	40.37	33.67	13.23	35.02	270	324	P	H
		5725	58.07	-64.13	122.2	46.15	33.7	13.24	35.02	270	324	P	H
	*	5745	112.46	-	-	100.45	33.78	13.27	35.04	270	324	P	H
	*	5745	105.05	-	-	93.04	33.78	13.27	35.04	270	324	A	H
802.11ac													H
VHT20													H
CH 149		5648	49.3	-18.9	68.2	37.84	33.29	13.13	34.96	274	324	P	V
5745MHz		5682.4	48.91	-43.3	92.21	37.23	33.49	13.18	34.99	274	324	P	V
		5718	49.92	-60.32	110.24	38.04	33.67	13.23	35.02	274	324	P	V
		5724	51.68	-68.24	119.92	39.76	33.7	13.24	35.02	274	324	P	V
	*	5745	111.17	-	-	99.16	33.78	13.27	35.04	274	324	P	V
	*	5745	104.24	-	-	92.23	33.78	13.27	35.04	274	324	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	110.6	-	-	98.48	33.85	13.38	35.11	262	325	P	H
	*	5825	104.25	-	-	92.13	33.85	13.38	35.11	262	325	A	H
		5852.8	48.52	-67.3	115.82	36.44	33.8	13.41	35.13	262	325	P	H
		5862.8	48.78	-59.83	108.61	36.69	33.8	13.43	35.14	262	325	P	H
		5885.2	50.12	-47.51	97.63	38.03	33.8	13.45	35.16	262	325	P	H
		5944.6	49.4	-18.8	68.2	37.29	33.8	13.52	35.21	262	325	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	109.09	-	-	96.97	33.85	13.38	35.11	273	330	P	V
5825MHz	*	5825	103.32	-	-	91.2	33.85	13.38	35.11	273	330	A	V
		5850.2	51.61	-70.13	121.74	39.53	33.8	13.41	35.13	273	330	P	V
		5861	48.81	-60.31	109.12	36.73	33.8	13.42	35.14	273	330	P	V
		5918.4	49.12	-23.95	73.07	37.02	33.8	13.49	35.19	273	330	P	V
		5928.4	48.87	-19.33	68.2	36.77	33.8	13.5	35.2	273	330	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	49.97	-24.03	74	32.57	38.56	19.56	40.72	-	-	P	H
		11570	39.89	-14.11	54	22.49	38.56	19.56	40.72	-	-	A	H
		17355	52.24	-15.96	68.2	35.62	39.91	24.15	47.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac VHT20 CH 157 5785MHz													H
		11570	49.81	-24.19	74	32.41	38.56	19.56	40.72	-	-	P	V
		11570	39.9	-14.1	54	22.5	38.56	19.56	40.72	-	-	A	V
		17355	52.41	-15.79	68.2	35.79	39.91	24.15	47.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5601.8	49.15	-19.05	68.2	38	33.01	13.06	34.92	273	315	P	H
		5694.2	49.59	-51.33	100.92	37.82	33.57	13.2	35	273	315	P	H
		5715.2	58.35	-51.11	109.46	46.48	33.66	13.23	35.02	273	315	P	H
		5723.2	60.3	-57.8	118.1	48.39	33.69	13.24	35.02	273	315	P	H
	*	5755	109.24	-	-	97.2	33.81	13.28	35.05	273	315	P	H
	*	5755	102.03	-	-	89.99	33.81	13.28	35.05	273	315	A	H
		5851.6	48.69	-69.86	118.55	36.61	33.8	13.41	35.13	273	315	P	H
		5868	49.12	-58.04	107.16	37.04	33.8	13.43	35.15	273	315	P	H
		5898.8	49.1	-38.45	87.55	37	33.8	13.47	35.17	273	315	P	H
		5929.8	49.05	-19.15	68.2	36.94	33.8	13.51	35.2	273	315	P	H
802.11ac													H
VHT40													H
CH 151		5646.4	48.17	-20.03	68.2	36.72	33.28	13.13	34.96	269	327	P	V
5755MHz		5667.8	49.08	-32.33	81.41	37.48	33.41	13.16	34.97	269	327	P	V
		5718.2	56.77	-53.53	110.3	44.89	33.67	13.23	35.02	269	327	P	V
		5721.2	59.18	-54.36	113.54	47.28	33.68	13.24	35.02	269	327	P	V
	*	5755	107.32	-	-	95.28	33.81	13.28	35.05	269	327	P	V
	*	5755	101.03	-	-	88.99	33.81	13.28	35.05	269	327	A	V
		5853.4	49.9	-64.55	114.45	37.82	33.8	13.41	35.13	269	327	P	V
		5874	49.12	-56.36	105.48	37.03	33.8	13.44	35.15	269	327	P	V
		5875.4	49.73	-55.17	104.9	37.64	33.8	13.44	35.15	269	327	P	V
		5927.2	49.17	-19.03	68.2	37.07	33.8	13.5	35.2	269	327	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5628.2	48.8	-19.4	68.2	37.47	33.17	13.1	34.94	268	326	P	H
		5681.6	51.48	-40.14	91.62	39.8	33.49	13.18	34.99	268	326	P	H
		5714	50.21	-58.91	109.12	38.33	33.66	13.23	35.01	268	326	P	H
		5722.8	48.02	-69.16	117.18	36.11	33.69	13.24	35.02	268	326	P	H
	*	5795	108.1	-	-	95.95	33.89	13.34	35.08	268	326	P	H
	*	5795	102.13	-	-	89.98	33.89	13.34	35.08	268	326	A	H
		5853.8	47.19	-66.35	113.54	35.11	33.8	13.41	35.13	268	326	P	H
		5858.2	48.65	-61.25	109.9	36.57	33.8	13.42	35.14	268	326	P	H
		5899.8	50.13	-36.68	86.81	38.03	33.8	13.47	35.17	268	326	P	H
		5942.2	49.2	-19	68.2	37.09	33.8	13.52	35.21	268	326	P	H
802.11ac													H
VHT40													H
CH 159		5635	49.11	-19.09	68.2	37.74	33.21	13.11	34.95	263	329	P	V
5795MHz		5696.6	49.89	-52.8	102.69	38.11	33.58	13.2	35	263	329	P	V
		5703.2	49.05	-57.05	106.1	37.23	33.61	13.21	35	263	329	P	V
		5724.4	48.14	-72.69	120.83	36.22	33.7	13.24	35.02	263	329	P	V
	*	5795	108.03	-	-	95.88	33.89	13.34	35.08	263	329	P	V
	*	5795	101.3	-	-	89.15	33.89	13.34	35.08	263	329	A	V
		5851.2	47.88	-71.58	119.46	35.8	33.8	13.41	35.13	263	329	P	V
		5865.2	50.58	-57.36	107.94	38.49	33.8	13.43	35.14	263	329	P	V
		5888	50.26	-45.29	95.55	38.16	33.8	13.46	35.16	263	329	P	V
		5935	49.03	-19.17	68.2	36.92	33.8	13.51	35.2	263	329	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5641.4	49.26	-18.94	68.2	37.84	33.25	13.12	34.95	268	326	P	H
		5696.4	57.72	-44.83	102.55	45.94	33.58	13.2	35	268	326	P	H
		5716.2	60.75	-48.99	109.74	48.88	33.66	13.23	35.02	268	326	P	H
		5721.6	59.98	-54.47	114.45	48.07	33.69	13.24	35.02	268	326	P	H
	*	5775	107.69	-	-	95.6	33.85	13.31	35.07	268	326	P	H
	*	5775	99.39	-	-	87.3	33.85	13.31	35.07	268	326	A	H
		5851.8	57.19	-60.91	118.1	45.11	33.8	13.41	35.13	268	326	P	H
		5859.2	55.76	-53.86	109.62	43.68	33.8	13.42	35.14	268	326	P	H
		5876.2	49.89	-54.42	104.31	37.8	33.8	13.44	35.15	268	326	P	H
		5942	48.33	-19.87	68.2	36.22	33.8	13.52	35.21	268	326	P	H
802.11ac													H
VHT80													H
CH 155		5621.2	49.25	-18.95	68.2	37.96	33.13	13.09	34.93	272	330	P	V
5775MHz		5694	55.42	-45.36	100.78	43.66	33.56	13.2	35	272	330	P	V
		5719	58.22	-52.3	110.52	46.33	33.68	13.23	35.02	272	330	P	V
		5721.8	60.88	-54.02	114.9	48.97	33.69	13.24	35.02	272	330	P	V
	*	5775	105.43	-	-	93.34	33.85	13.31	35.07	272	330	P	V
	*	5775	98.67	-	-	86.58	33.85	13.31	35.07	272	330	A	V
		5854	56.67	-56.41	113.08	44.59	33.8	13.41	35.13	272	330	P	V
		5858.2	54.48	-55.42	109.9	42.4	33.8	13.42	35.14	272	330	P	V
		5895.6	49.91	-40.01	89.92	37.82	33.8	13.46	35.17	272	330	P	V
		5932.4	49.8	-18.4	68.2	37.69	33.8	13.51	35.2	272	330	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5640.2	49.69	-18.51	68.2	38.28	33.24	13.12	34.95	269	326	P	H
		5672.6	48.76	-36.2	84.96	37.13	33.44	13.17	34.98	269	326	P	H
		5718.2	51.06	-59.24	110.3	39.18	33.67	13.23	35.02	269	326	P	H
		5724.4	61.39	-59.44	120.83	49.47	33.7	13.24	35.02	269	326	P	H
	*	5745	111.26	-	-	99.25	33.78	13.27	35.04	269	326	P	H
	*	5745	104.98	-	-	92.97	33.78	13.27	35.04	269	326	A	H
802.11ax													H
HE20 Full													H
CH 149		5631.8	48.41	-19.79	68.2	37.05	33.19	13.11	34.94	241	331	P	V
5745MHz		5652	49.3	-20.39	69.69	37.81	33.31	13.14	34.96	241	331	P	V
		5720	55.34	-55.46	110.8	43.45	33.68	13.23	35.02	241	331	P	V
		5720.2	55.39	-55.87	111.26	43.5	33.68	13.23	35.02	241	331	P	V
	*	5745	111.29	-	-	99.28	33.78	13.27	35.04	241	331	P	V
	*	5745	103.98	-	-	91.97	33.78	13.27	35.04	241	331	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5619.6	49.36	-18.84	68.2	38.08	33.12	13.09	34.93	256	331	P	H
		5688.6	50.39	-46.4	96.79	38.66	33.53	13.19	34.99	256	331	P	H
		5717.6	47.22	-62.91	110.13	35.34	33.67	13.23	35.02	256	331	P	H
		5723	47.24	-70.4	117.64	35.33	33.69	13.24	35.02	256	331	P	H
	*	5785	112.39	-	-	100.27	33.87	13.33	35.08	256	331	P	H
	*	5785	105.01	-	-	92.89	33.87	13.33	35.08	256	331	A	H
		5852.2	48.98	-68.2	117.18	36.9	33.8	13.41	35.13	256	331	P	H
		5867.8	49.16	-58.05	107.21	37.08	33.8	13.43	35.15	256	331	P	H
		5879	49.5	-52.73	102.23	37.42	33.8	13.44	35.16	256	331	P	H
		5925.2	49.24	-18.96	68.2	37.14	33.8	13.5	35.2	256	331	P	H
802.11ax													H
HE20 Full													H
CH 157		5642.2	47.7	-20.5	68.2	36.28	33.25	13.12	34.95	261	330	P	V
5785MHz		5660	48.88	-26.75	75.63	37.34	33.36	13.15	34.97	261	330	P	V
		5706	47.99	-58.89	106.88	36.17	33.62	13.21	35.01	261	330	P	V
		5722.4	47.36	-68.91	116.27	35.45	33.69	13.24	35.02	261	330	P	V
	*	5785	112.11	-	-	99.99	33.87	13.33	35.08	261	330	P	V
	*	5785	104.08	-	-	91.96	33.87	13.33	35.08	261	330	A	V
		5851	47.93	-71.99	119.92	35.85	33.8	13.41	35.13	261	330	P	V
		5875	49.47	-55.73	105.2	37.38	33.8	13.44	35.15	261	330	P	V
		5875	49.47	-55.73	105.2	37.38	33.8	13.44	35.15	261	330	P	V
		5937.8	48.99	-19.21	68.2	36.88	33.8	13.52	35.21	261	330	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	111.14	-	-	99.02	33.85	13.38	35.11	251	330	P	H
	*	5825	104.2	-	-	92.08	33.85	13.38	35.11	251	330	A	H
		5853.6	48.6	-65.39	113.99	36.52	33.8	13.41	35.13	251	330	P	H
		5870.2	49.29	-57.25	106.54	37.21	33.8	13.43	35.15	251	330	P	H
		5917.2	49.44	-24.51	73.95	37.34	33.8	13.49	35.19	251	330	P	H
		5934.4	49.99	-18.21	68.2	37.88	33.8	13.51	35.2	251	330	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	111.04	-	-	98.92	33.85	13.38	35.11	250	331	P	V
5825MHz	*	5825	103.64	-	-	91.52	33.85	13.38	35.11	250	331	A	V
		5850.8	50.82	-69.56	120.38	38.74	33.8	13.41	35.13	250	331	P	V
		5856.2	48.69	-61.77	110.46	36.61	33.8	13.42	35.14	250	331	P	V
		5913.4	49.96	-26.8	76.76	37.86	33.8	13.49	35.19	250	331	P	V
		5941	48.84	-19.36	68.2	36.73	33.8	13.52	35.21	250	331	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	51.33	-22.67	74	33.74	38.7	19.5	40.61	-	-	P	H
		11490	40.25	-13.75	54	22.66	38.7	19.5	40.61	-	-	A	H
		17235	52.21	-15.99	68.2	35.26	40.04	24.08	47.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	50.41	-23.59	74	32.82	38.7	19.06	40.61	-	-	P	V
5745MHz		11490	40.22	-13.78	54	22.63	38.7	19.06	40.61	-	-	A	V
		17235	53.34	-14.86	68.2	36.39	40.04	23.62	47.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	50.02	-23.98	74	32.62	38.56	19.56	40.72	-	-	P	H
		11570	39.89	-14.11	54	22.49	38.56	19.56	40.72	-	-	A	H
		17355	51.78	-16.42	68.2	35.16	39.91	24.15	47.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	49.64	-24.36	74	32.24	38.56	19.56	40.72	-	-	P	V
5785MHz		11570	39.87	-14.13	54	22.47	38.56	19.56	40.72	-	-	A	V
		17355	51.94	-16.26	68.2	35.32	39.91	24.15	47.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	49.63	-24.37	74	32.24	38.6	19.63	40.84	-	-	P	H
		11650	39.85	-14.15	54	22.46	38.6	19.63	40.84	-	-	A	H
		17475	52.33	-15.87	68.2	35.81	40	24.23	47.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	49.54	-24.46	74	32.15	38.6	19.63	40.84	-	-	P	V
5825MHz		11650	39.81	-14.19	54	22.42	38.6	19.63	40.84	-	-	A	V
		17475	52.5	-15.7	68.2	35.98	40	24.23	47.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5640.6	53.8	-14.4	68.2	42.39	33.24	13.12	34.95	276	323	P	H
		5687.2	49.62	-46.14	95.76	37.9	33.52	13.19	34.99	276	323	P	H
		5717	52.72	-57.24	109.96	40.84	33.67	13.23	35.02	276	323	P	H
		5721.2	57.06	-56.48	113.54	45.16	33.68	13.24	35.02	276	323	P	H
	*	5745	120.11	-	-	108.1	33.78	13.27	35.04	276	323	P	H
	*	5745	113.28	-	-	101.27	33.78	13.27	35.04	276	323	A	H
													H
													H
		5641	51.51	-16.69	68.2	40.09	33.25	13.12	34.95	286	314	P	V
		5687.6	50.72	-45.33	96.05	38.99	33.53	13.19	34.99	286	314	P	V
		5719	52.83	-57.69	110.52	40.94	33.68	13.23	35.02	286	314	P	V
		5725	52.67	-69.53	122.2	40.75	33.7	13.24	35.02	286	314	P	V
	*	5745	117.58	-	-	105.57	33.78	13.27	35.04	286	314	P	V
	*	5745	111.26	-	-	99.25	33.78	13.27	35.04	286	314	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5637.6	49.4	-18.8	68.2	38.01	33.23	13.11	34.95	371	326	P	H
		5689.8	54.27	-43.41	97.68	42.53	33.54	13.19	34.99	371	326	P	H
		5709.2	49.16	-58.62	107.78	37.31	33.64	13.22	35.01	371	326	P	H
		5722.6	48.5	-68.23	116.73	36.59	33.69	13.24	35.02	371	326	P	H
	*	5785	116.91	-	-	104.79	33.87	13.33	35.08	371	326	P	H
	*	5785	111.66	-	-	99.54	33.87	13.33	35.08	371	326	A	H
		5854.6	48.53	-63.18	111.71	36.44	33.8	13.42	35.13	371	326	P	H
		5868.8	49.24	-57.69	106.93	37.16	33.8	13.43	35.15	371	326	P	H
		5882.4	52.27	-47.43	99.7	40.18	33.8	13.45	35.16	371	326	P	H
		5947.2	50.24	-17.96	68.2	38.12	33.8	13.53	35.21	371	326	P	H
802.11ax HE20 Partial 26/4 CH 157 5785MHz													H
													H
		5623.6	49.84	-18.36	68.2	38.55	33.14	13.09	34.94	274	311	P	V
		5688.4	53.87	-42.77	96.64	42.14	33.53	13.19	34.99	274	311	P	V
		5712.2	49.32	-59.3	108.62	37.46	33.65	13.22	35.01	274	311	P	V
		5724.6	47.68	-73.61	121.29	35.76	33.7	13.24	35.02	274	311	P	V
	*	5785	114.94	-	-	102.82	33.87	13.33	35.08	274	311	P	V
	*	5785	109.9	-	-	97.78	33.87	13.33	35.08	274	311	A	V
		5850.6	48.24	-72.59	120.83	36.16	33.8	13.41	35.13	274	311	P	V
		5870.6	49.16	-57.27	106.43	37.08	33.8	13.43	35.15	274	311	P	V
		5881.6	52.62	-47.68	100.3	40.53	33.8	13.45	35.16	274	311	P	V
		5928.6	49.36	-18.84	68.2	37.26	33.8	13.5	35.2	274	311	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	117.37	-	-	105.25	33.85	13.38	35.11	251	323	P	H
	*	5825	110.85	-	-	98.73	33.85	13.38	35.11	251	323	A	H
		5854	50.81	-62.27	113.08	38.73	33.8	13.41	35.13	251	323	P	H
		5857.6	49.96	-60.11	110.07	37.88	33.8	13.42	35.14	251	323	P	H
		5908.6	49.39	-30.91	80.3	37.29	33.8	13.48	35.18	251	323	P	H
		5929.8	52.66	-15.54	68.2	40.55	33.8	13.51	35.2	251	323	P	H
													H
													H
	*	5825	116.6	-	-	104.48	33.85	13.38	35.11	282	314	P	V
	*	5825	110.18	-	-	98.06	33.85	13.38	35.11	282	314	A	V
		5850.4	51.49	-69.8	121.29	39.41	33.8	13.41	35.13	282	314	P	V
		5857.4	50.37	-59.76	110.13	38.29	33.8	13.42	35.14	282	314	P	V
		5891.8	51.05	-41.68	92.73	38.96	33.8	13.46	35.17	282	314	P	V
		5929.2	52.4	-15.8	68.2	40.29	33.8	13.51	35.2	282	314	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	50.85	-23.15	74	33.26	38.7	19.06	40.61	-	-	P	H
		11490	40.18	-13.82	54	22.59	38.7	19.06	40.61	-	-	A	H
		17235	51.72	-16.48	68.2	34.77	40.04	23.62	47.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Partial 26/0 CH 149 5745MHz													H
													H
		11490	49.76	-24.24	74	32.17	38.7	19.06	40.61	-	-	P	V
		11490	40.17	-13.83	54	22.58	38.7	19.06	40.61	-	-	A	V
		17235	52.81	-15.39	68.2	35.86	40.04	23.62	47.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	49.38	-24.62	74	31.98	38.56	19.13	40.72	-	-	P	H
		11570	39.82	-14.18	54	22.42	38.56	19.13	40.72	-	-	A	H
		17355	52.38	-15.82	68.2	35.76	39.91	23.69	47.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Partial 26/4 CH 157 5785MHz		11570	50.88	-23.12	74	33.48	38.56	19.13	40.72	-	-	P	V
		11570	39.88	-14.12	54	22.48	38.56	19.13	40.72	-	-	A	V
		17355	51.96	-16.24	68.2	35.34	39.91	23.69	47.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	49.58	-24.42	74	32.19	38.6	19.2	40.84	-	-	P	H
		11650	39.87	-14.13	54	22.48	38.6	19.2	40.84	-	-	A	H
		17475	51.66	-16.54	68.2	35.14	40	23.77	47.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
i802.11ax HE20 Partial 26/8 CH 165 5825MHz		11650	50.7	-23.3	74	33.31	38.6	19.2	40.84	-	-	P	V
		11650	39.86	-14.14	54	22.47	38.6	19.2	40.84	-	-	A	V
		17475	52.52	-15.68	68.2	36	40	23.77	47.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 52 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642.4	52.65	-15.55	68.2	41.23	33.25	13.12	34.95	276	322	P	H
		5664.6	49.29	-29.75	79.04	37.72	33.39	13.15	34.97	276	322	P	H
		5716.6	52	-57.85	109.85	40.12	33.67	13.23	35.02	276	322	P	H
		5724.8	53.25	-68.49	121.74	41.33	33.7	13.24	35.02	276	322	P	H
	*	5745	117.68	-	-	105.67	33.78	13.27	35.04	276	322	P	H
802.11ax	*	5745	111.09	-	-	99.08	33.78	13.27	35.04	276	322	A	H
HE20													H
Partial													H
52/37		5642	52.16	-16.04	68.2	40.74	33.25	13.12	34.95	278	328	P	V
CH 149		5665.8	49.21	-30.72	79.93	37.63	33.39	13.16	34.97	278	328	P	V
5745MHz		5718.8	51.28	-59.18	110.46	39.39	33.68	13.23	35.02	278	328	P	V
		5723.6	50.62	-68.39	119.01	38.71	33.69	13.24	35.02	278	328	P	V
	*	5745	115.49	-	-	103.48	33.78	13.27	35.04	278	328	P	V
	*	5745	108.7	-	-	96.69	33.78	13.27	35.04	278	328	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	115.34	-	-	103.22	33.85	13.38	35.11	267	323	P	H
	*	5825	107.72	-	-	95.6	33.85	13.38	35.11	267	323	A	H
		5850.2	50.36	-71.38	121.74	38.28	33.8	13.41	35.13	267	323	P	H
		5867.6	50.02	-57.25	107.27	37.94	33.8	13.43	35.15	267	323	P	H
		5875.2	50.25	-54.8	105.05	38.16	33.8	13.44	35.15	267	323	P	H
802.11ax		5929.2	50	-18.2	68.2	37.89	33.8	13.51	35.2	267	323	P	H
HE20													H
Partial													H
52/40	*	5825	114.1	-	-	101.98	33.85	13.38	35.11	282	314	P	V
CH 165	*	5825	107.35	-	-	95.23	33.85	13.38	35.11	282	314	A	V
5825MHz		5851.2	55.47	-63.99	119.46	43.39	33.8	13.41	35.13	282	314	P	V
		5865.8	50.88	-56.89	107.77	38.79	33.8	13.43	35.14	282	314	P	V
		5920	50.53	-21.36	71.89	38.43	33.8	13.49	35.19	282	314	P	V
		5928.2	51.18	-17.02	68.2	39.08	33.8	13.5	35.2	282	314	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5646.6	51.65	-16.55	68.2	40.2	33.28	13.13	34.96	278	327	P	H
		5672.2	49.8	-34.87	84.67	38.19	33.43	13.16	34.98	278	327	P	H
		5714.8	50.06	-59.29	109.35	38.18	33.66	13.23	35.01	278	327	P	H
		5724.8	64.74	-57	121.74	52.82	33.7	13.24	35.02	278	327	P	H
	*	5745	114.6	-	-	102.59	33.78	13.27	35.04	278	327	P	H
802.11ax	*	5745	107.94	-	-	95.93	33.78	13.27	35.04	278	327	A	H
HE20													H
Partial													H
106/53		5645.6	50.21	-17.99	68.2	38.77	33.27	13.13	34.96	269	314	P	V
CH 149		5674	49.04	-36.96	86	37.41	33.44	13.17	34.98	269	314	P	V
5745MHz		5719.8	50.8	-59.94	110.74	38.91	33.68	13.23	35.02	269	314	P	V
		5724.2	62.1	-58.28	120.38	50.18	33.7	13.24	35.02	269	314	P	V
	*	5745	111.89	-	-	99.88	33.78	13.27	35.04	269	314	P	V
	*	5745	105.71	-	-	93.7	33.78	13.27	35.04	269	314	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	113.55	-	-	101.43	33.85	13.38	35.11	264	324	P	H
	*	5825	106.11	-	-	93.99	33.85	13.38	35.11	264	324	A	H
		5850	51.5	-70.7	122.2	39.42	33.8	13.41	35.13	264	324	P	H
		5855.2	51.26	-59.48	110.74	39.18	33.8	13.42	35.14	264	324	P	H
		5884	50.49	-48.03	98.52	38.4	33.8	13.45	35.16	264	324	P	H
802.11ax		5925.2	50.24	-17.96	68.2	38.14	33.8	13.5	35.2	264	324	P	H
HE20													H
Partial													H
106/54	*	5825	112.22	-	-	100.1	33.85	13.38	35.11	275	314	P	V
CH 165	*	5825	104.64	-	-	92.52	33.85	13.38	35.11	275	314	A	V
5825MHz		5850	63	-59.2	122.2	50.92	33.8	13.41	35.13	275	314	P	V
		5858.4	51.51	-58.34	109.85	39.43	33.8	13.42	35.14	275	314	P	V
		5923	50.54	-19.13	69.67	38.43	33.8	13.5	35.19	275	314	P	V
		5928.4	50.11	-18.09	68.2	38.01	33.8	13.5	35.2	275	314	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5639.8	49.1	-19.1	68.2	37.69	33.24	13.12	34.95	271	326	P	H
		5650.4	49.44	-19.06	68.5	37.97	33.3	13.13	34.96	271	326	P	H
		5718	58.71	-51.53	110.24	46.83	33.67	13.23	35.02	271	326	P	H
		5724	63.48	-56.44	119.92	51.56	33.7	13.24	35.02	271	326	P	H
	*	5755	108.98	-	-	96.94	33.81	13.28	35.05	271	326	P	H
	*	5755	102.1	-	-	90.06	33.81	13.28	35.05	271	326	A	H
		5854.6	48.17	-63.54	111.71	36.08	33.8	13.42	35.13	271	326	P	H
		5864	48.58	-59.7	108.28	36.49	33.8	13.43	35.14	271	326	P	H
		5881.4	50.49	-49.96	100.45	38.4	33.8	13.45	35.16	271	326	P	H
		5946.4	49.1	-19.1	68.2	36.98	33.8	13.53	35.21	271	326	P	H
802.11ax													H
HE40 Full													H
CH 151		5627.4	48.26	-19.94	68.2	36.94	33.16	13.1	34.94	245	332	P	V
5755MHz		5699.2	50.26	-54.35	104.61	38.46	33.6	13.2	35	245	332	P	V
		5718.8	58.79	-51.67	110.46	46.9	33.68	13.23	35.02	245	332	P	V
		5725	59.59	-62.61	122.2	47.67	33.7	13.24	35.02	245	332	P	V
	*	5755	109.17	-	-	97.13	33.81	13.28	35.05	245	332	P	V
	*	5755	101.41	-	-	89.37	33.81	13.28	35.05	245	332	A	V
		5855	48.11	-62.69	110.8	36.03	33.8	13.42	35.14	245	332	P	V
		5872.4	48.62	-57.31	105.93	36.53	33.8	13.44	35.15	245	332	P	V
		5891.4	49.47	-43.56	93.03	37.38	33.8	13.46	35.17	245	332	P	V
		5931.4	49.73	-18.47	68.2	37.62	33.8	13.51	35.2	245	332	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5628.8	48.42	-19.78	68.2	37.09	33.17	13.1	34.94	266	326	P	H
		5661.8	48.4	-28.56	76.96	36.85	33.37	13.15	34.97	266	326	P	H
		5715.8	49.29	-60.34	109.63	37.42	33.66	13.23	35.02	266	326	P	H
		5720.2	49.01	-62.25	111.26	37.12	33.68	13.23	35.02	266	326	P	H
	*	5795	109.41	-	-	97.26	33.89	13.34	35.08	266	326	P	H
	*	5795	101.91	-	-	89.76	33.89	13.34	35.08	266	326	A	H
		5853.6	48.37	-65.62	113.99	36.29	33.8	13.41	35.13	266	326	P	H
		5865.4	49.37	-58.52	107.89	37.28	33.8	13.43	35.14	266	326	P	H
		5891.2	49.38	-43.8	93.18	37.29	33.8	13.46	35.17	266	326	P	H
		5930.6	49.25	-18.95	68.2	37.14	33.8	13.51	35.2	266	326	P	H
802.11ax													H
HE40 Full													H
CH 159		5617	48.26	-19.94	68.2	37.01	33.1	13.08	34.93	250	331	P	V
5795MHz		5673.2	49.49	-35.92	85.41	37.86	33.44	13.17	34.98	250	331	P	V
		5700.6	48.27	-57.1	105.37	36.46	33.6	13.21	35	250	331	P	V
		5723.4	50.23	-68.32	118.55	38.32	33.69	13.24	35.02	250	331	P	V
	*	5795	110.14	-	-	97.99	33.89	13.34	35.08	250	331	P	V
	*	5795	101.37	-	-	89.22	33.89	13.34	35.08	250	331	A	V
		5850.4	48.47	-72.82	121.29	36.39	33.8	13.41	35.13	250	331	P	V
		5863.8	49.14	-59.19	108.33	37.05	33.8	13.43	35.14	250	331	P	V
		5880.6	48.9	-52.14	101.04	36.81	33.8	13.45	35.16	250	331	P	V
		5946.6	48.17	-20.03	68.2	36.05	33.8	13.53	35.21	250	331	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	50.46	-23.54	74	32.9	38.68	19.51	40.63	-	-	P	H
		11510	40.15	-13.85	54	22.59	38.68	19.51	40.63	-	-	A	H
		17265	52.17	-16.03	68.2	35.25	40.07	24.09	47.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	51	-23	74	33.44	38.68	19.51	40.63	-	-	P	V
5755MHz		11510	40.07	-13.93	54	22.51	38.68	19.51	40.63	-	-	A	V
		17265	51.63	-16.57	68.2	34.71	40.07	24.09	47.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11590	49.91	-24.09	74	32.56	38.52	19.58	40.75	-	-	P	H
		11590	39.81	-14.19	54	22.46	38.52	19.58	40.75	-	-	A	H
		17385	52.26	-15.94	68.2	35.63	39.97	24.17	47.51	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	49.59	-24.41	74	32.24	38.52	19.58	40.75	-	-	P	V
5795MHz		11590	39.8	-14.2	54	22.45	38.52	19.58	40.75	-	-	A	V
		17385	52.02	-16.18	68.2	35.39	39.97	24.17	47.51	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5641.6	49.17	-19.03	68.2	37.75	33.25	13.12	34.95	273	324	P	H
		5695.2	56.27	-45.39	101.66	44.5	33.57	13.2	35	273	324	P	H
		5717	59.09	-50.87	109.96	47.21	33.67	13.23	35.02	273	324	P	H
		5721.8	60.12	-54.78	114.9	48.21	33.69	13.24	35.02	273	324	P	H
	*	5775	107.2	-	-	95.11	33.85	13.31	35.07	273	324	P	H
	*	5775	99.12	-	-	87.03	33.85	13.31	35.07	273	324	A	H
		5852.2	55.98	-61.2	117.18	43.9	33.8	13.41	35.13	273	324	P	H
		5857.6	56.9	-53.17	110.07	44.82	33.8	13.42	35.14	273	324	P	H
		5875.2	50.82	-54.23	105.05	38.73	33.8	13.44	35.15	273	324	P	H
		5930.4	50.05	-18.15	68.2	37.94	33.8	13.51	35.2	273	324	P	H
802.11ax													H
HE80 Full													H
CH 155		5607	48.38	-19.82	68.2	37.19	33.04	13.07	34.92	272	330	P	V
5775MHz		5699.2	52.17	-52.44	104.61	40.37	33.6	13.2	35	272	330	P	V
		5713.2	57.52	-51.38	108.9	45.66	33.65	13.22	35.01	272	330	P	V
		5723	61.78	-55.86	117.64	49.87	33.69	13.24	35.02	272	330	P	V
	*	5775	106.67	-	-	94.58	33.85	13.31	35.07	272	330	P	V
	*	5775	98.9	-	-	86.81	33.85	13.31	35.07	272	330	A	V
		5851.2	56.73	-62.73	119.46	44.65	33.8	13.41	35.13	272	330	P	V
		5859	56.38	-53.3	109.68	44.3	33.8	13.42	35.14	272	330	P	V
		5885	51.43	-46.34	97.77	39.34	33.8	13.45	35.16	272	330	P	V
		5949.8	49.1	-19.1	68.2	36.99	33.8	13.53	35.22	272	330	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	49.42	-24.58	74	31.97	38.6	19.54	40.69	-	-	P	H
		11550	40.01	-13.99	54	22.56	38.6	19.54	40.69	-	-	A	H
		17325	50.8	-17.4	68.2	34.09	39.95	24.13	47.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	49.53	-24.47	74	32.08	38.6	19.54	40.69	-	-	P	V
5775MHz		11550	39.97	-14.03	54	22.52	38.6	19.54	40.69	-	-	A	V
		17325	51.63	-16.57	68.2	34.92	39.95	24.13	47.37	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

5GHz WIFI 802.11ax HE20 Partial 26 (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		23738.7	40.67	-33.33	74	43.53	38.57	28.15	60.04	-	-	P	H
		31662	42.86	-31.14	74	40.45	40.68	32.63	61.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20													H
Partial 26/0		23871.9	40.23	-33.77	74	43	38.64	28.25	60.12	-	-	P	V
SHF		31233	42.71	-31.29	74	39.99	41.33	32.39	61.46	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ax HE20 Partial 26 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		32.97	22.21	-17.79	40	30.58	23.36	0.98	32.74	-	-	P	H
		91.02	25.85	-17.65	43.5	41.64	15.23	1.62	32.7	-	-	P	H
		183.09	18.98	-24.52	43.5	34.37	14.93	2.33	32.71	-	-	P	H
		367.9	21.87	-24.13	46	30.54	20.78	3.27	32.83	-	-	P	H
		713.7	30.57	-15.43	46	31.81	26.99	4.58	32.93	-	-	P	H
		953.1	35.85	-10.15	46	30.83	31.13	5.27	31.6	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE20													H
Partial 26/0		73.47	30.37	-9.63	40	48.59	13	1.45	32.72	-	-	P	V
LF		91.02	31.28	-12.22	43.5	47.07	15.23	1.62	32.7	-	-	P	V
		179.85	22.46	-21.04	43.5	37.73	15.06	2.32	32.71	-	-	P	V
		414.8	24.44	-21.56	46	31.26	22.45	3.49	32.86	-	-	P	V
		734.7	31.65	-14.35	46	31.62	28.12	4.65	32.88	-	-	P	V
		976.9	35.06	-18.94	54	29.95	30.88	5.34	31.37	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<TXBF Mode>

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5640.4	53.5	-14.7	68.2	42.09	33.24	13.12	34.95	275	325	P	H
		5688.8	49.74	-47.2	96.94	38.01	33.53	13.19	34.99	275	325	P	H
		5717.2	51.08	-58.94	110.02	39.2	33.67	13.23	35.02	275	325	P	H
		5725	53.42	-68.78	122.2	41.5	33.7	13.24	35.02	275	325	P	H
	*	5745	119.42	-	-	107.41	33.78	13.27	35.04	275	325	P	H
	*	5745	113.06	-	-	101.05	33.78	13.27	35.04	275	325	A	H
													H
													H
		5641.2	52.37	-15.83	68.2	40.95	33.25	13.12	34.95	269	310	P	V
		5673	50.31	-34.95	85.26	38.68	33.44	13.17	34.98	269	310	P	V
		5715.8	51.88	-57.75	109.63	40.01	33.66	13.23	35.02	269	310	P	V
		5724.8	51.64	-70.1	121.74	39.72	33.7	13.24	35.02	269	310	P	V
	*	5745	117.54	-	-	105.53	33.78	13.27	35.04	269	310	P	V
	*	5745	111.51	-	-	99.5	33.78	13.27	35.04	269	310	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		11490	50.06	-23.94	74	32.47	38.7	19.06	40.61	-	-	P	H
		11490	40.09	-13.91	54	22.5	38.7	19.06	40.61	-	-	A	H
		17235	52.05	-16.15	68.2	35.1	40.04	23.62	47.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	50.67	-23.33	74	33.08	38.7	19.06	40.61	-	-	P	V
		11490	40.12	-13.88	54	22.53	38.7	19.06	40.61	-	-	A	V
		17235	53.21	-14.99	68.2	36.26	40.04	23.62	47.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

5GHz WIFI 802.11ax HE20 Partial 26 (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		23649.9	40.88	-33.12	74	43.63	38.7	28.08	59.99	-	-	P	H
		31277	42.47	-31.53	74	39.76	41.27	32.41	61.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20													H
Partial 26/0		23661	40.43	-33.57	74	43.16	38.72	28.09	60	-	-	P	V
SHF		31255	42.87	-31.13	74	39.84	41.62	32.4	61.45	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ax HE20 Partial 26 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		31.62	21.88	-18.12	40	29.62	24.01	0.96	32.74	-	-	P	H
		91.02	25.08	-18.42	43.5	40.87	15.23	1.62	32.7	-	-	P	H
		177.69	19.22	-24.28	43.5	34.34	15.23	2.3	32.71	-	-	P	H
		469.4	25.25	-20.75	46	30.92	23.36	3.71	32.91	-	-	P	H
		675.9	29.21	-16.79	46	31.18	26.47	4.45	32.98	-	-	P	H
		993	35.17	-18.83	54	30.16	30.56	5.38	31.21	-	-	P	H
													H
													H
													H
													H
													H
802.11ax HE20 Partial 26/0 LF													H
		72.93	30.15	-9.85	40	48.47	12.91	1.44	32.72	-	-	P	V
		103.44	30.69	-12.81	43.5	45.15	16.43	1.74	32.69	-	-	P	V
		179.85	22.17	-21.33	43.5	37.44	15.06	2.32	32.71	-	-	P	V
		286.23	21.38	-24.62	46	32.24	18.93	2.9	32.77	-	-	P	V
		400.1	23.93	-22.07	46	31.53	21.73	3.42	32.85	-	-	P	V
		963.6	36.29	-17.71	54	31.09	31.16	5.3	31.5	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5650	55.45	-12.75	68.2	54.51	32.22	4.58	35.86	103	308	P	H

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

For Peak Limit @ 5650MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 68.2(dBμV/m)

= -12.75 (dB)

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

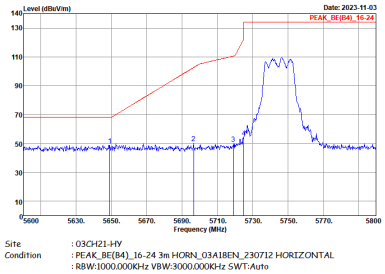
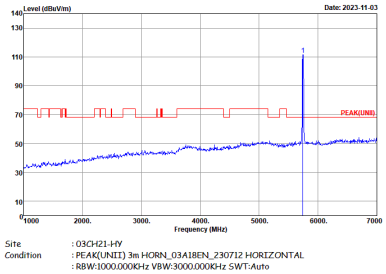
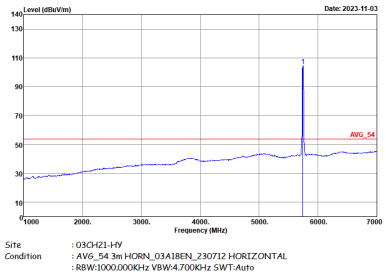
Appendix D. Radiated Spurious Emission Plots

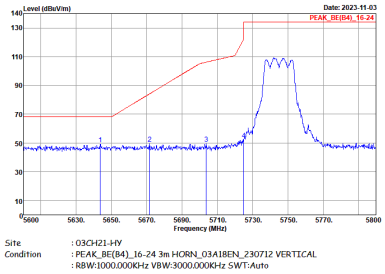
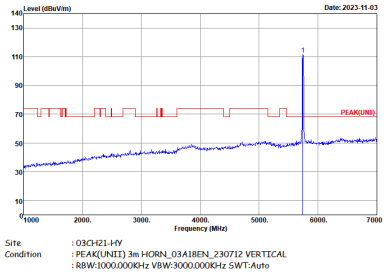
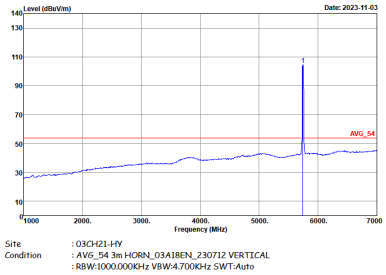
Test Engineer :	Jack Cheng, Ray Lung and Sky Chang	**Temperature :**	18~26°C
		Relative Humidity :	50~70%

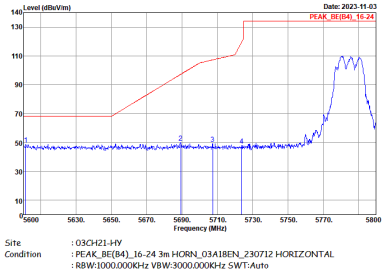
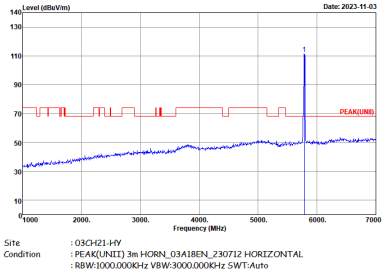
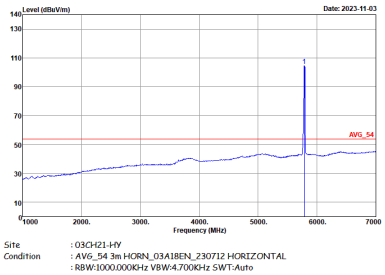
<CDD Mode>

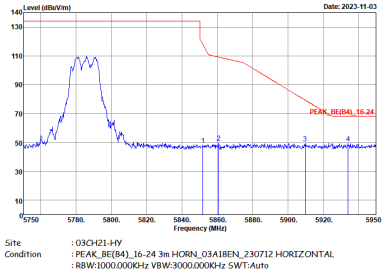
Band 4 - 5725~5850MHz

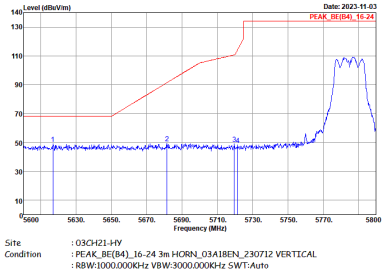
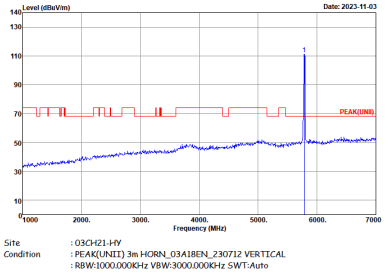
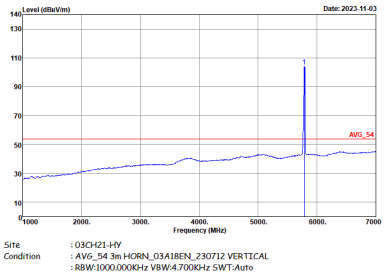
WIFI 802.11a (Band Edge @ 3m)

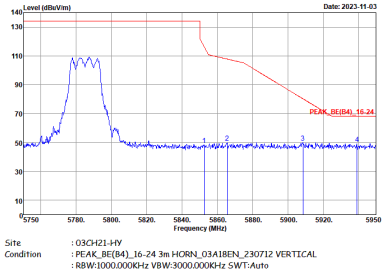
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank		

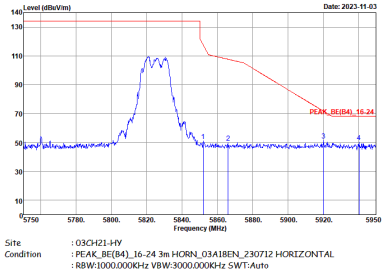
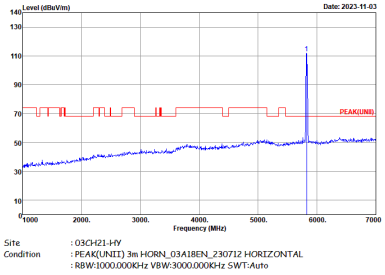
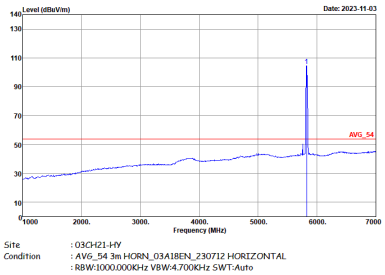
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

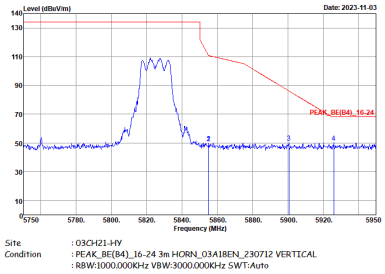
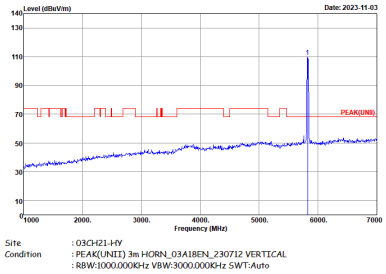
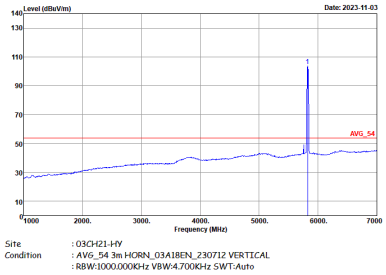
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

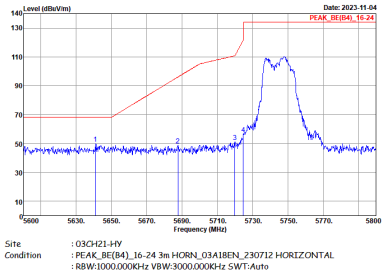
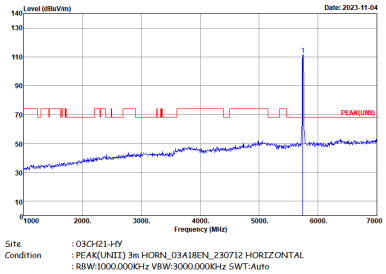
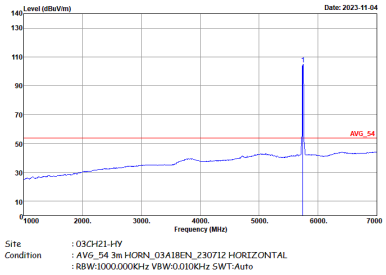
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

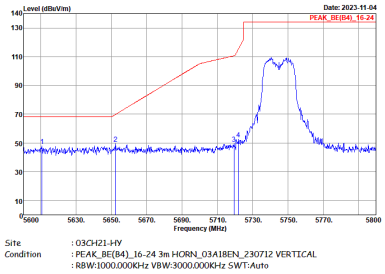
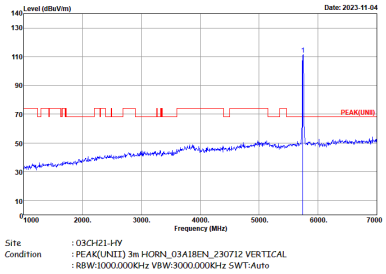
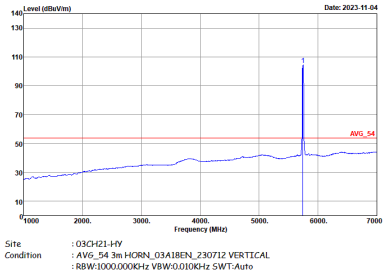
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		Left blank

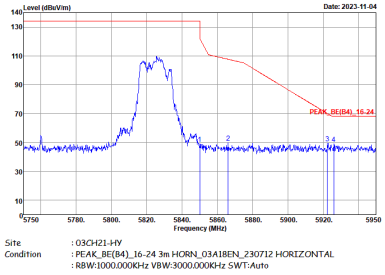
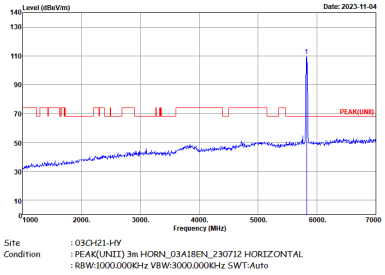
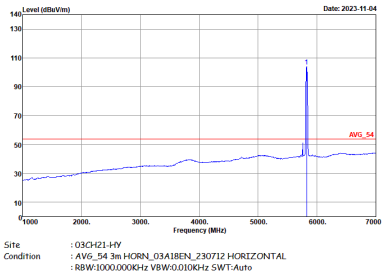
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

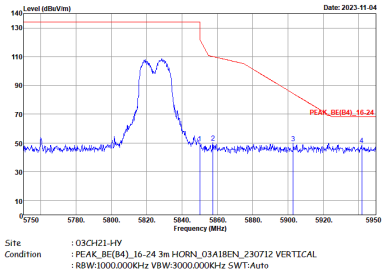
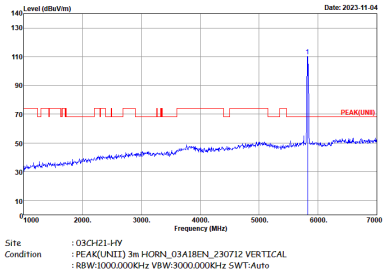
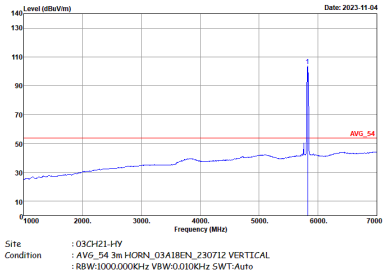
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

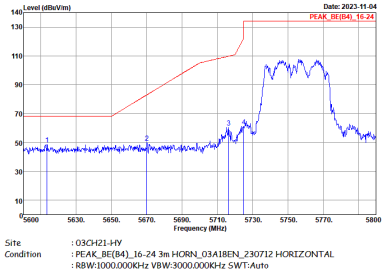
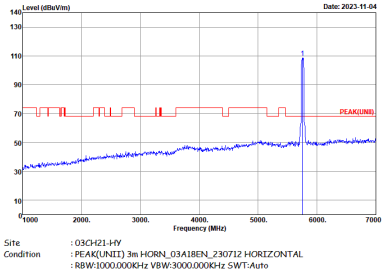
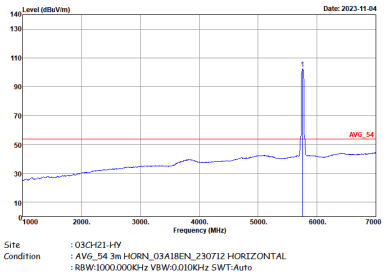
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

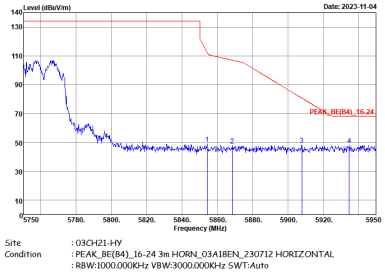
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

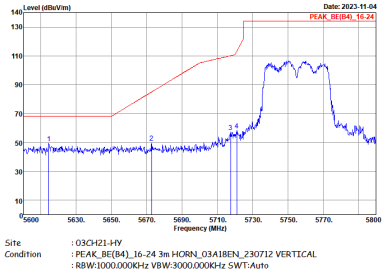
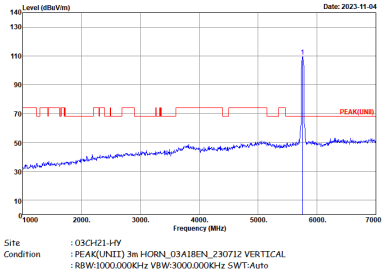
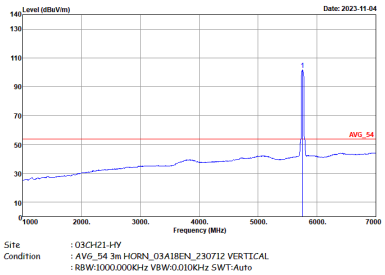
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

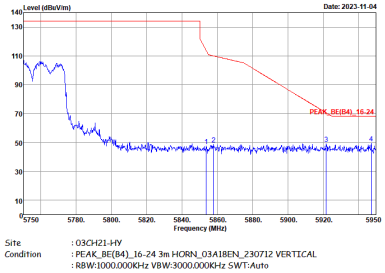
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

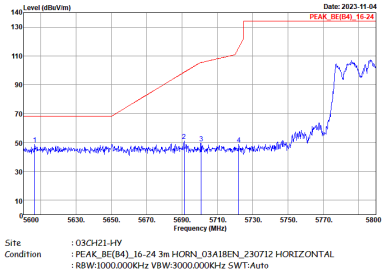
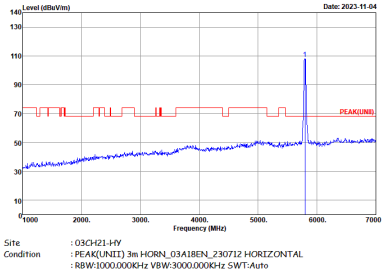
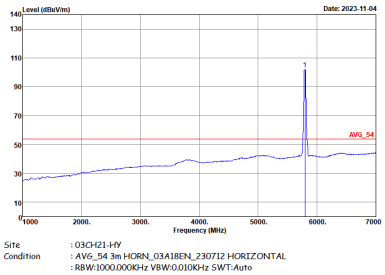
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

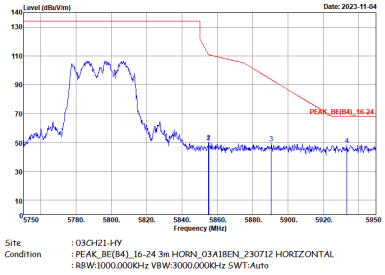
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank		

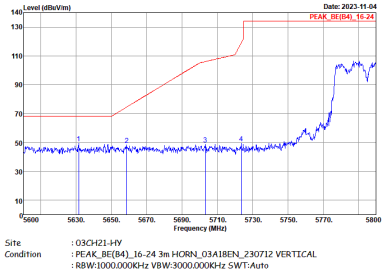
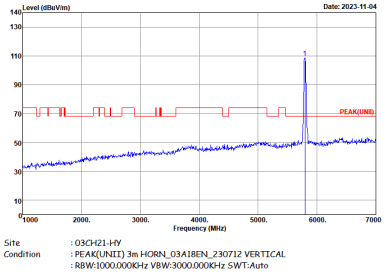
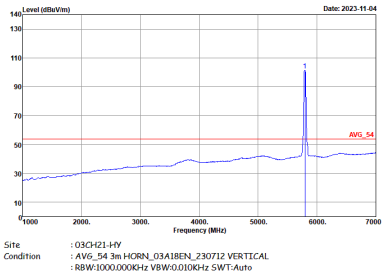
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

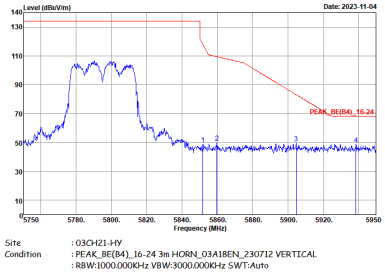
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		Left blank

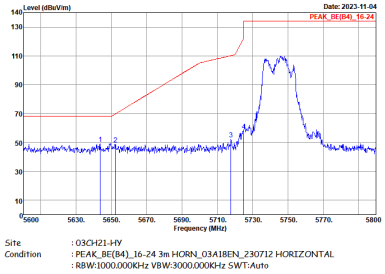
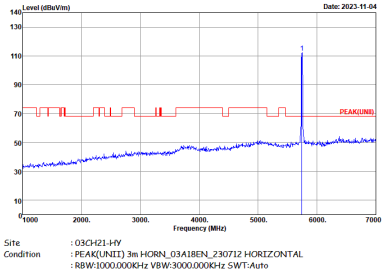
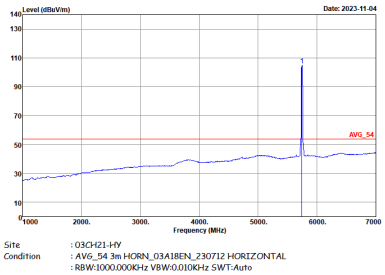
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

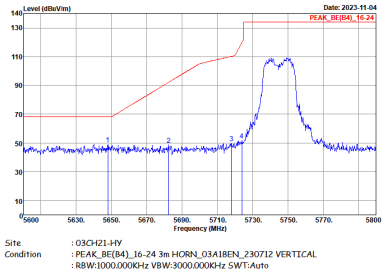
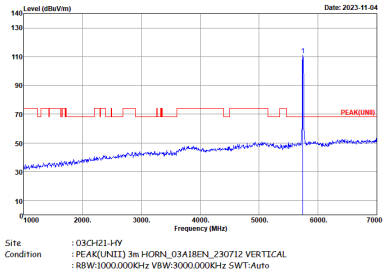
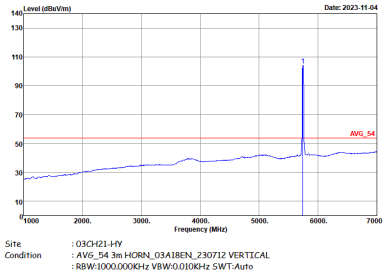
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

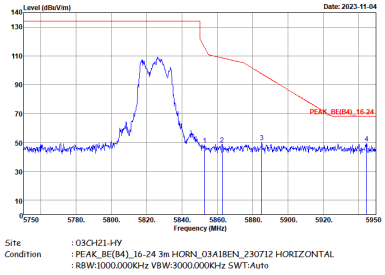
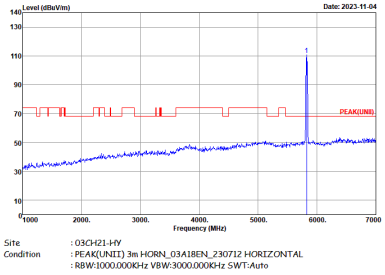
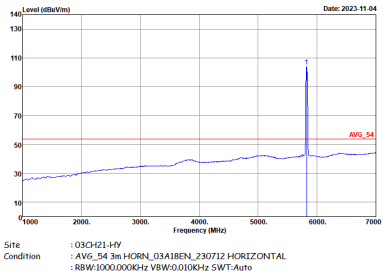
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

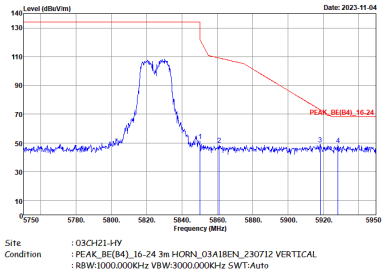
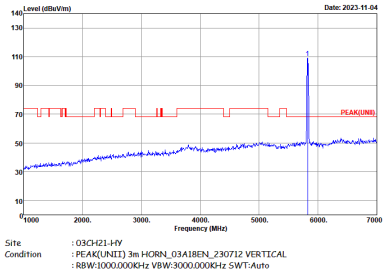
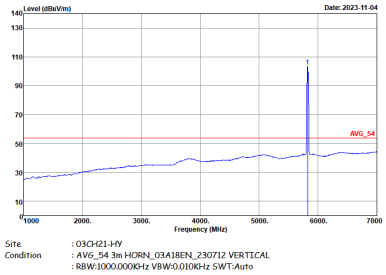
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(B4)_16-24 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

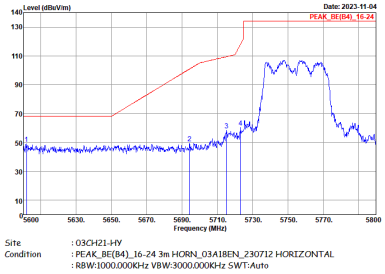
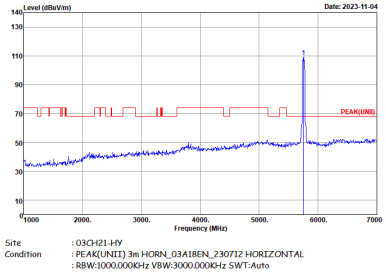
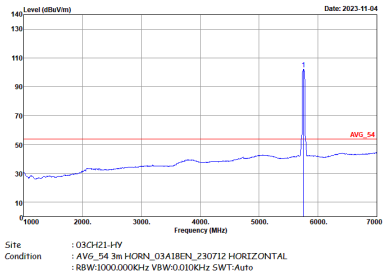
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank		

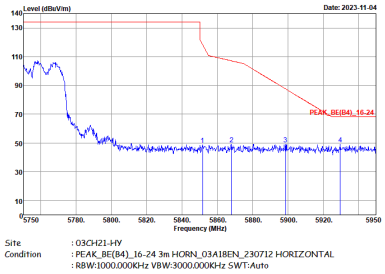
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

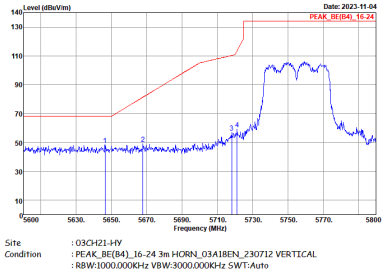
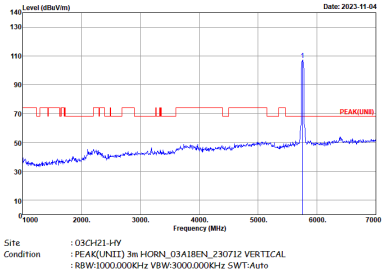
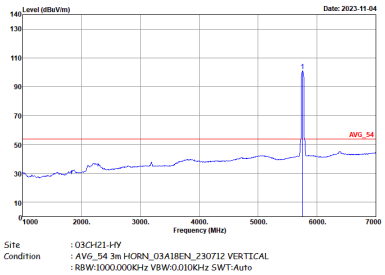
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

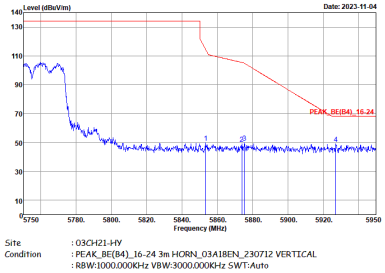
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

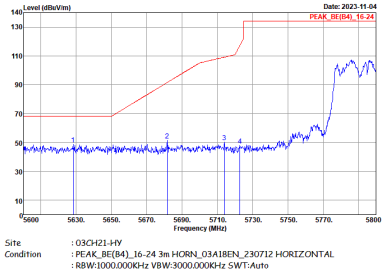
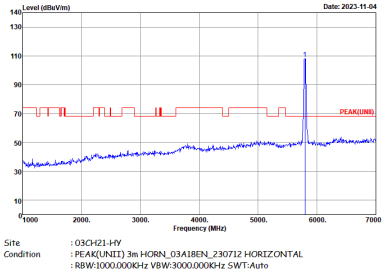
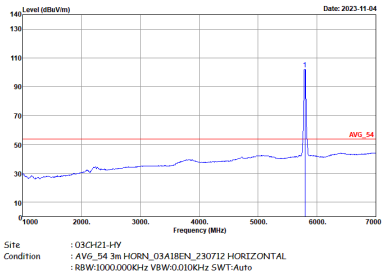
Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

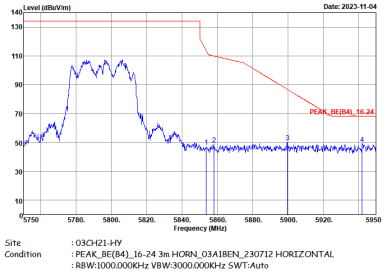
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

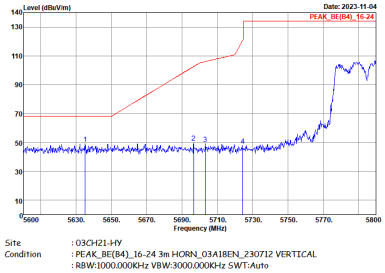
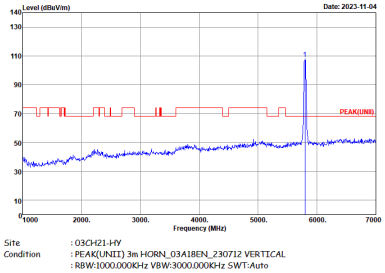
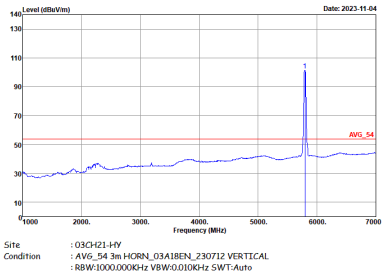
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HV Condition : PEAK_BE(B4)_16-24 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

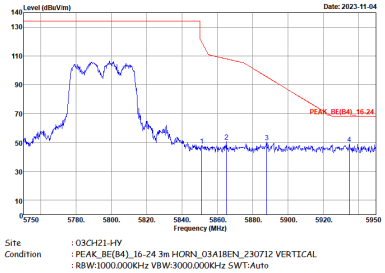
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		Left blank

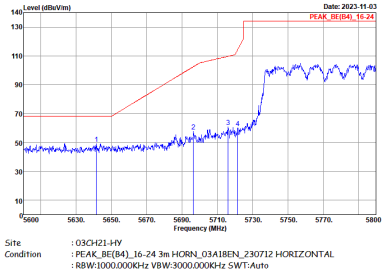
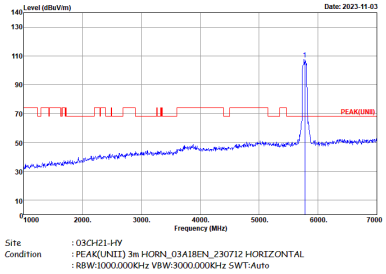
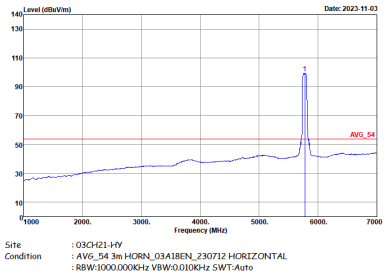
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

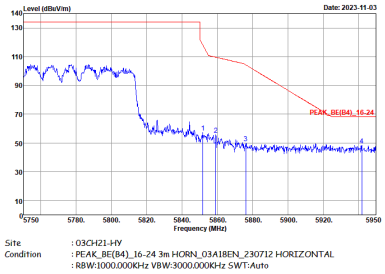
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(B4)_16-24 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

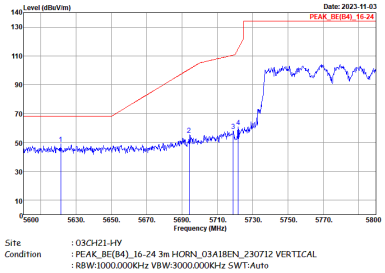
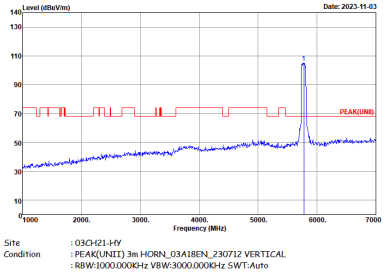
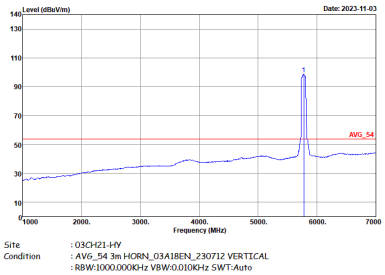
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

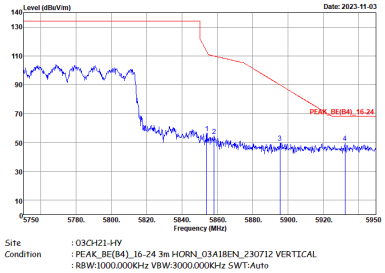
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		Left blank

Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		Left blank