FCC RADIO TEST REPORT

FCC ID	**:**	**MSQI005D**
Equipment	**:**	**ASUS Phone(Mobile Phone)**
Brand Name	**:**	**ASUS**
Model Name	**:**	**ASUS_I005D** **ASUS_I005DC**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 02, 2020 and testing was started from Nov. 12, 2020 and completed on Jan. 30, 2021. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications 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 of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR082114E	01	Initial issue of report	Feb. 08, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	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	Under limit 1.75 dB at 5355.600 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 8.15 dB at 0.170 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Tina Chuang

1 General Description

1.1 Applicant

1. **ASUSTEK COMPUTER INC.**
   1F., NO. 15, LIDE RD., BEITOU DIST., TAIPEI CITY 112, TAIWAN

1.2 Manufacturer

1. **GUANGDONG ENOK COMMUNICATION CO., LTD.**
   NO. 137, 139, LIXIANG ROAD., SONGMUSHAN VILLAGE, DALANG TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, CHINA
2. **PT. SAT NUSAPERSADA TBK**
   JALAN PELITA VI. NO. 99, BATAM, 29443,INDONESIA

1.3 Product Feature of Equipment Under Test

GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, and GNSS

Product Specification subjective to this standard	
Sample 1	Model Name: ASUS_I005D
Sample 2	Model Name: ASUS_I005DC
Antenna Type	WWAN: PIFA Antenna WLAN <Ant. 4>: PIFA Antenna <Ant. 5>: PIFA Antenna <Ant. 6>: PIFA Antenna Bluetooth <Ant. 4>: PIFA Antenna <Ant. 5>: PIFA Antenna <Ant. 6>: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna NFC: Loop Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 4: -4.3
5250 MHz ~ 5350 MHz		Ant. 5: 2.9
5470 MHz ~ 5725 MHz		Ant. 6: 3.0

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

Sample Information		
Model Name	**ASUS_I005D**	**ASUS_I005DC**
SKU	SKU1	SKU2
	UE2S3	UE2S2
High-end or Entry level (Back cover CN or WW)	High-end WW (Etching + Black) PMOLED	High-end CN (Etching + Black) Light guide plate
PCB Manufacturer	COMPEQ	COMPEQ
Front Camera 24M (Brand/Model name)	TRIPLEWIN/CASF0-000A	LUXVISIONS/0BFO01P3
Rear CAM 64M+13M (Brand/Model name)	PRIMAX/50-704JHASC8	PRIMAX/50-704JHASC8
Rear CAM 8M (Brand/Model name)	TSPRECISION/O5F9323 VERA1	TSPRECISION/O5F9323 VERA1
BATT (Brand/Model name)	SCUD/C21P2001	SCUD/C21P2001
CPU (Brand/Model name)	QUALCOMM/ SM-8350-1-MPSP1393-TR-00-0-AB	QUALCOMM/ SM-8350-1-MPSP1393-TR-00-0-AB
DDR	12G	12G
Brand/Model name	Micron/MT62F1536M64D8CH-031WT:A	Micron/MT62F1536M64D8CH-031WT:A
UFS	512G	256G
Brand/Model name	Micron/MTFC512GARATAM-WT	Samsung/KLUEG8UHDC-B0E1

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH05-HY, CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH15-HY

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

FCC designation No.: TW1190 and TW0007

1.6 Applicable Standards

According to the specifications of 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 test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Normal Mode: Y plane for Ant. 4 and Ant. 5; Camera Mode: Z plane for Ant.6 and Ant. 5) were recorded 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)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel in "@" were 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20 (Covered by HE20)	**MCS0**
802.11n HT40 (Covered by HE40)	**MCS0**
802.11ac VHT20 (Covered by HE20)	**MCS0**
802.11ac VHT40 (Covered by HE40)	**MCS0**
802.11ac VHT80 (Covered by HE80)	**MCS0**
802.11ac VHT160 (Covered by HE80)	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**
802.11ax HE160	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : WCDMA Band V Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Back) + NFC On + USB Cable 1 (Bottom USB Port) (Charging from Adapter) + X Mode + Aura sync + SIM 1 for Sample 1
Remark: For Radiated Test Cases, the tests were performed with USB Cable 1 and Sample 1.	

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	-	100
M	Middle	-	-	-
H	High	-	64	140

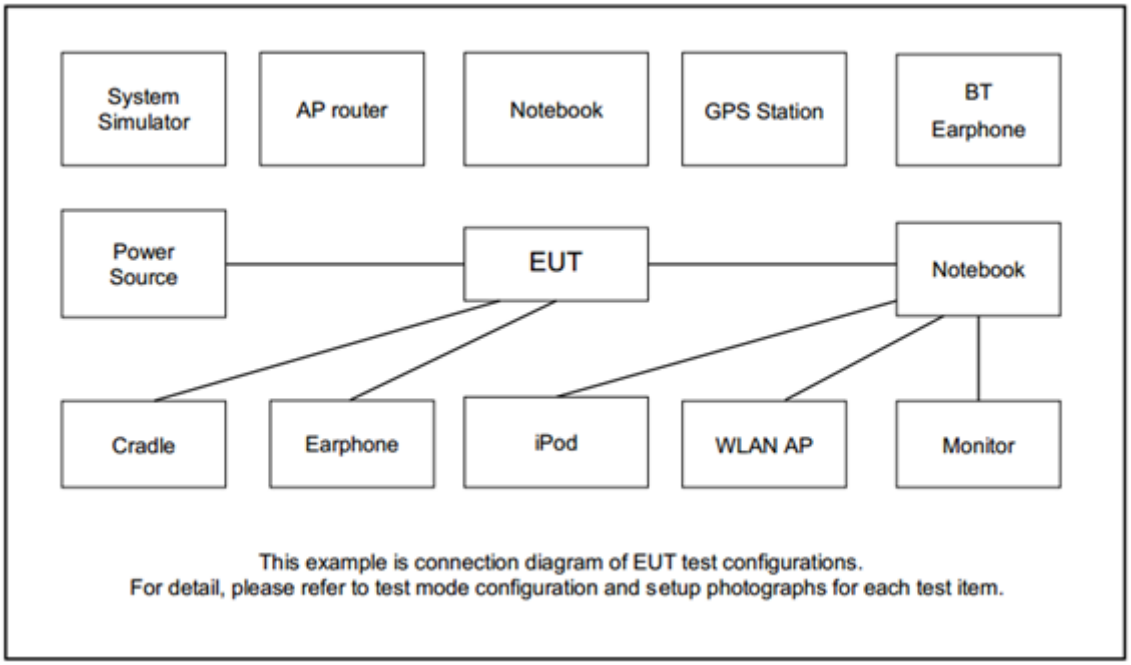
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	-	102
M	Middle	-	-	-
H	High	-	62	134

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-

BW160	5150-5250 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Earphone	ASUS	EA009B	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Ver.4.0.00175.0” 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.

2.6 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 10dB attenuator.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

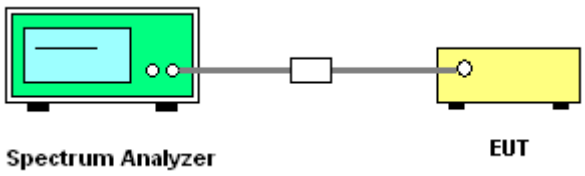
3.1.2 Measuring Instruments

See list of measuring equipment of 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
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

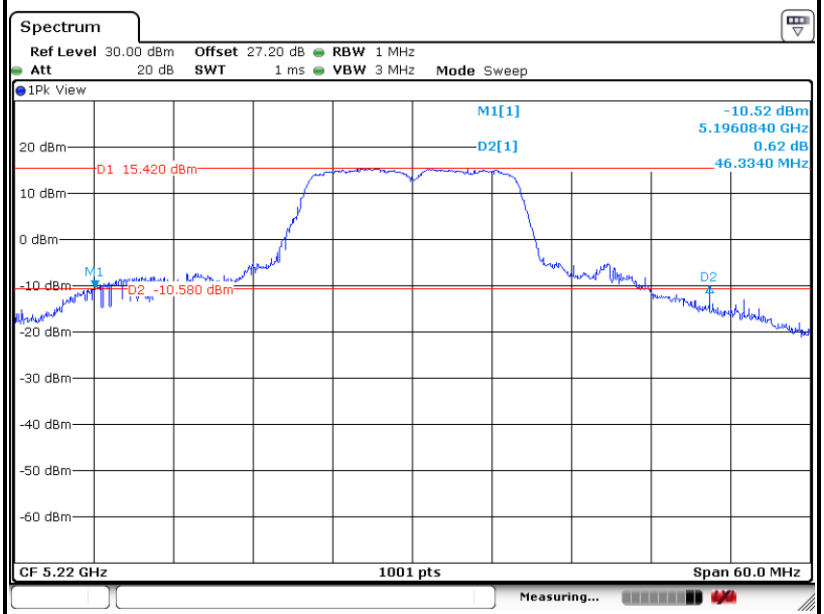


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

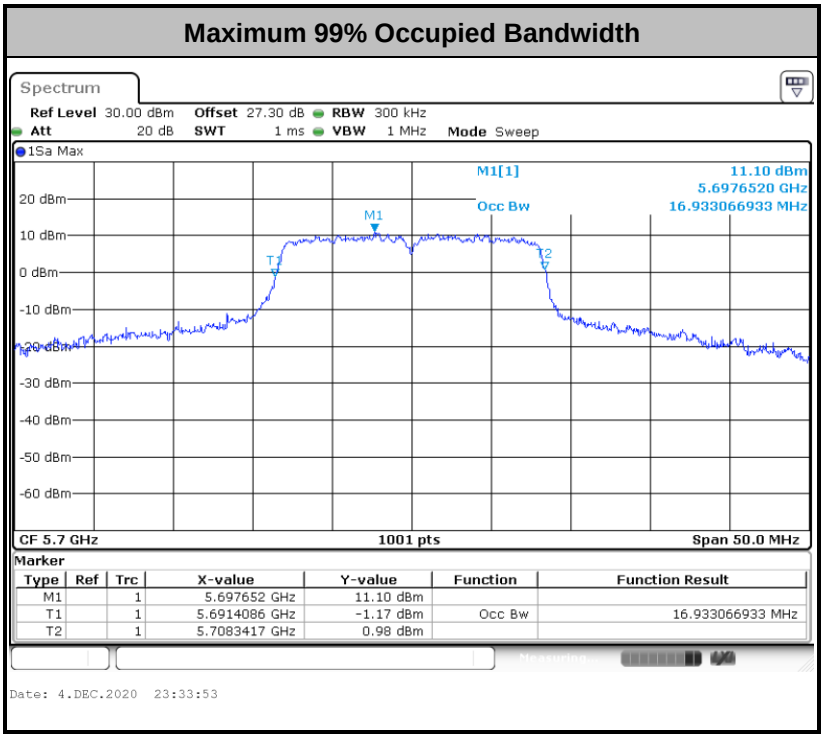
Please refer to Appendix A.

<Normal Mode>

Maximum 26dB Bandwidth

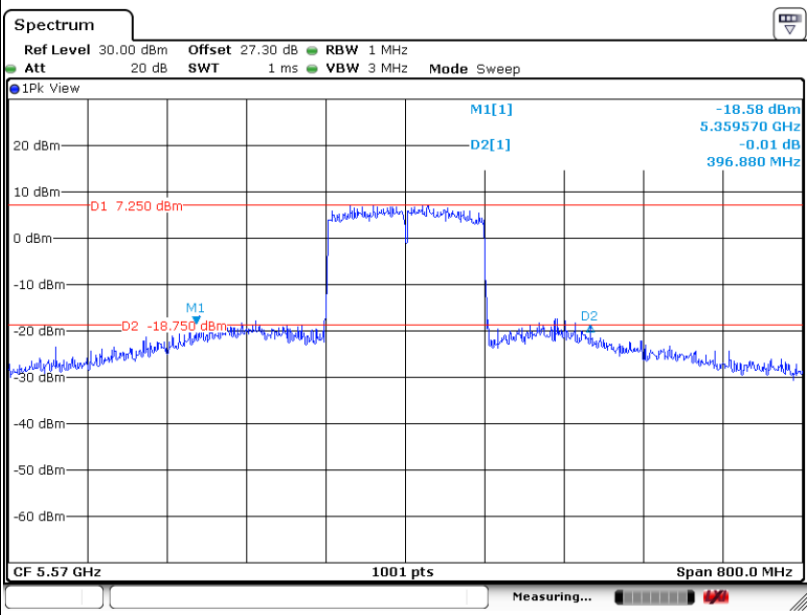


Maximum 99% Occupied Bandwidth

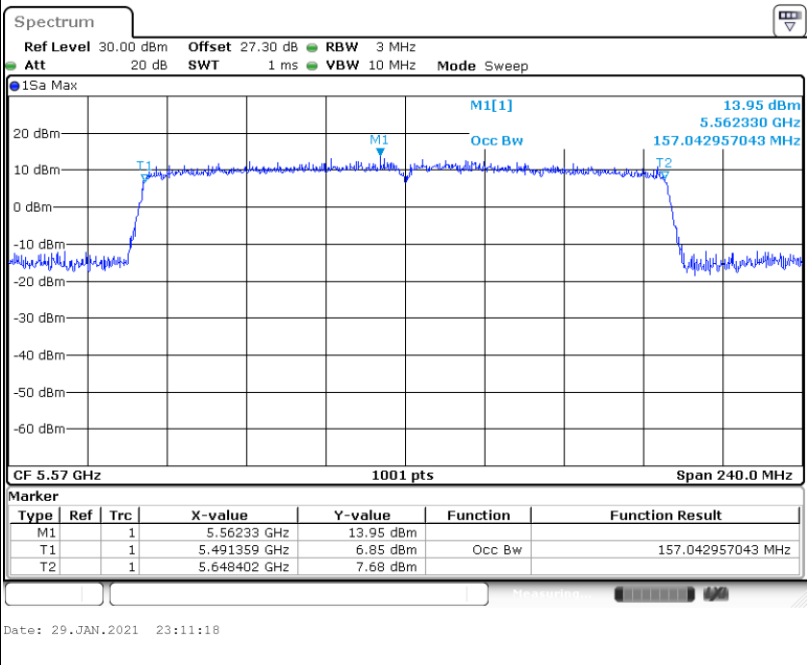


<802.11ax Mode>

Maximum 26dB Bandwidth

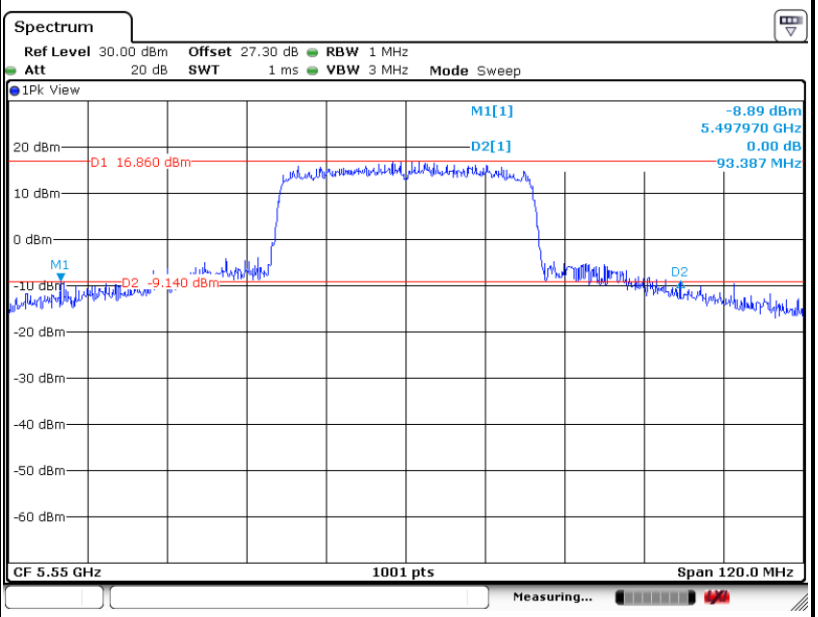


Maximum 99% Occupied Bandwidth

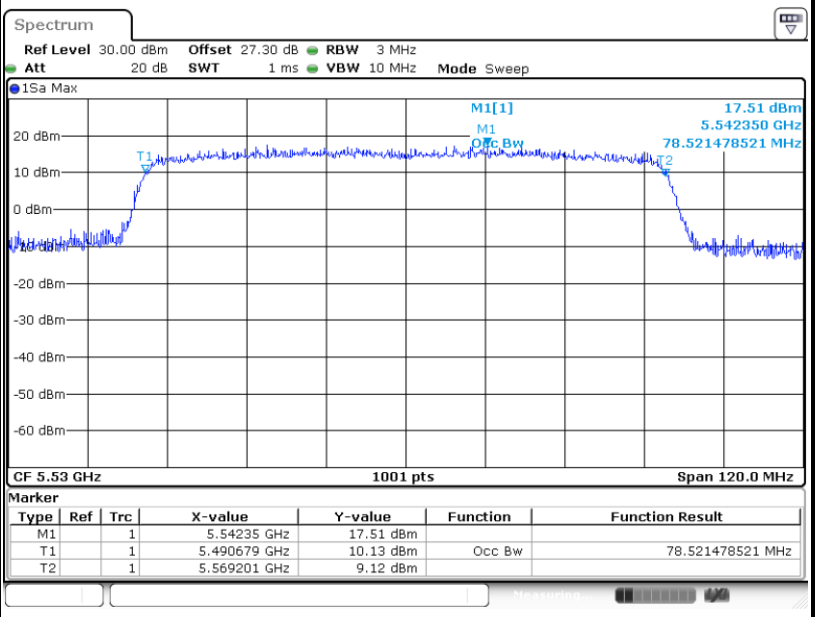


<Camera Mode>

Maximum 26dB Bandwidth

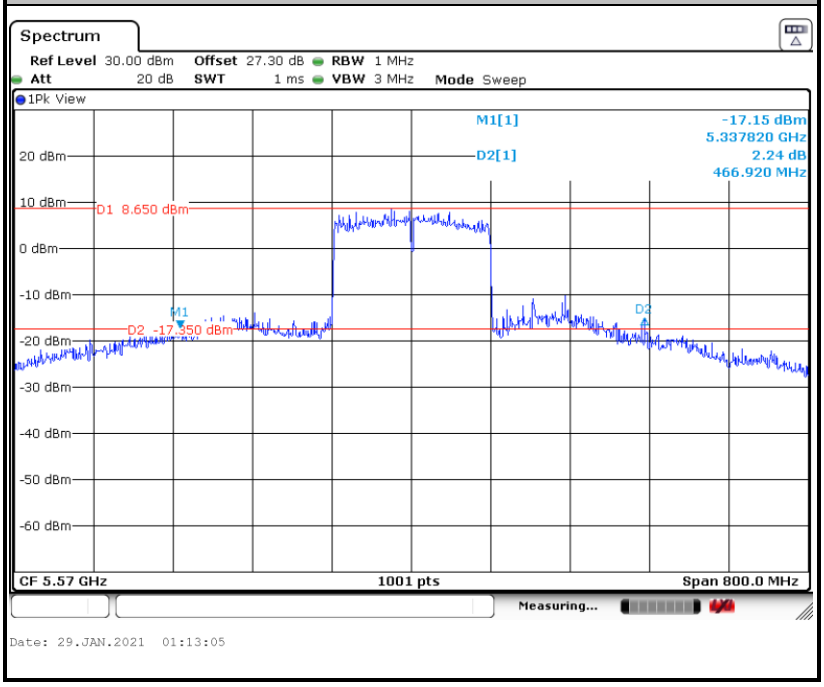


Maximum 99% Occupied Bandwidth

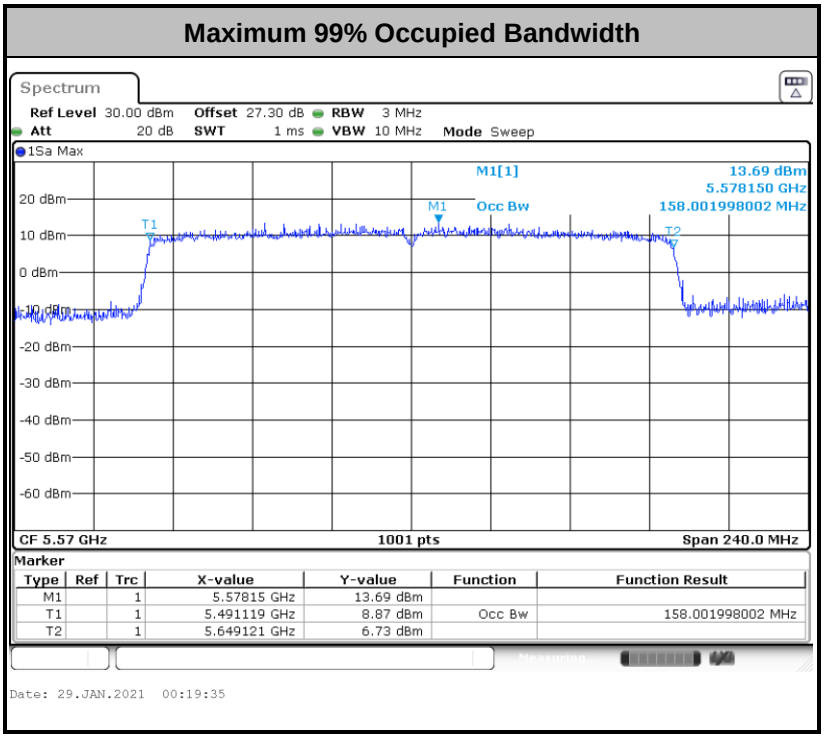


<802.11ax Mode>

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.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.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

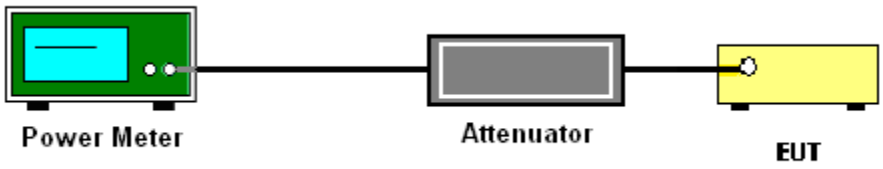
3.2.3 Test Procedures

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.

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz 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

See list of measuring equipment of 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-3 #

(power averaging (rms) detection with max hold):

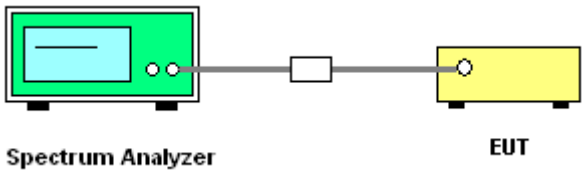
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was 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 (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 3 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and output 3 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup

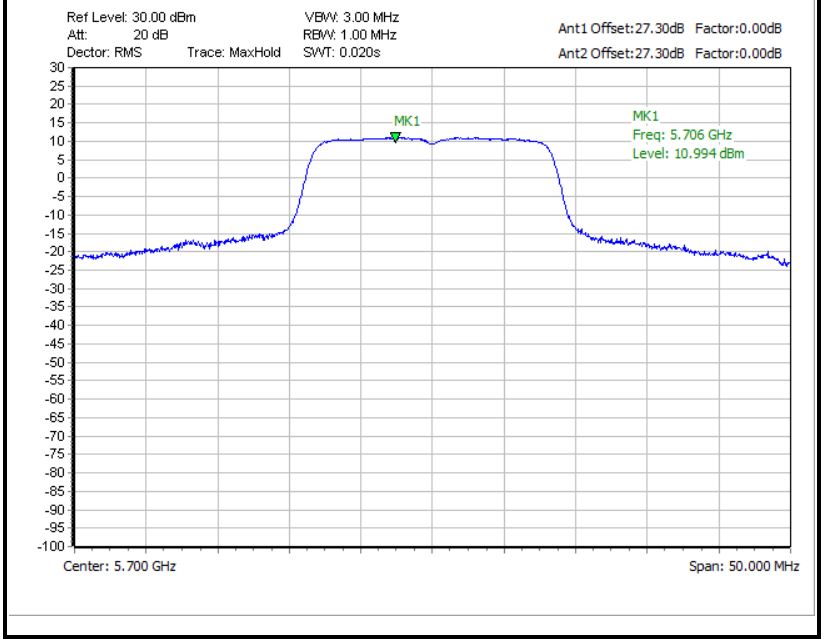


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

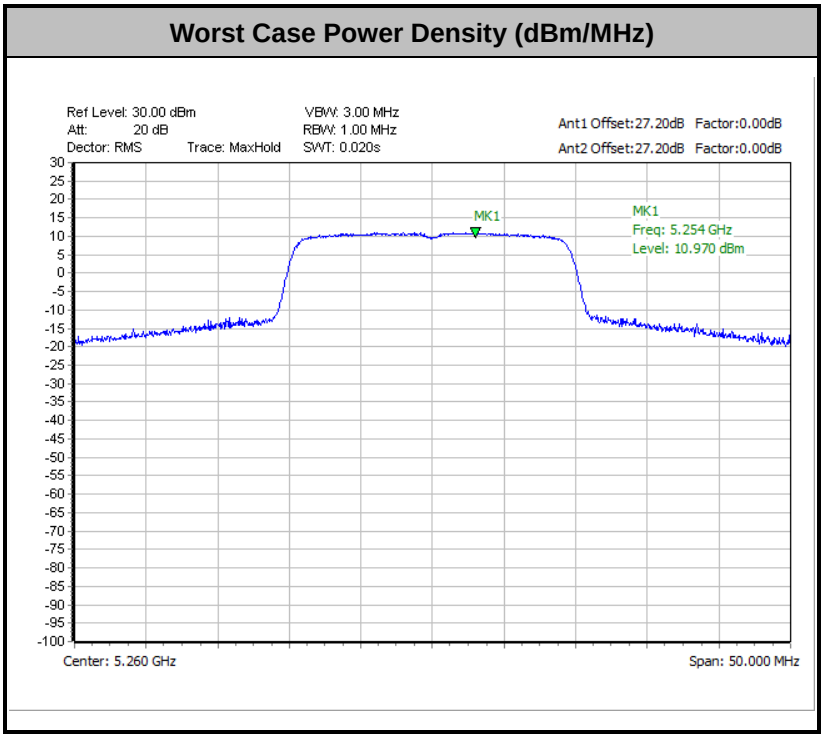
<Normal Mode>

Worst Case Power Density (dBm/MHz)



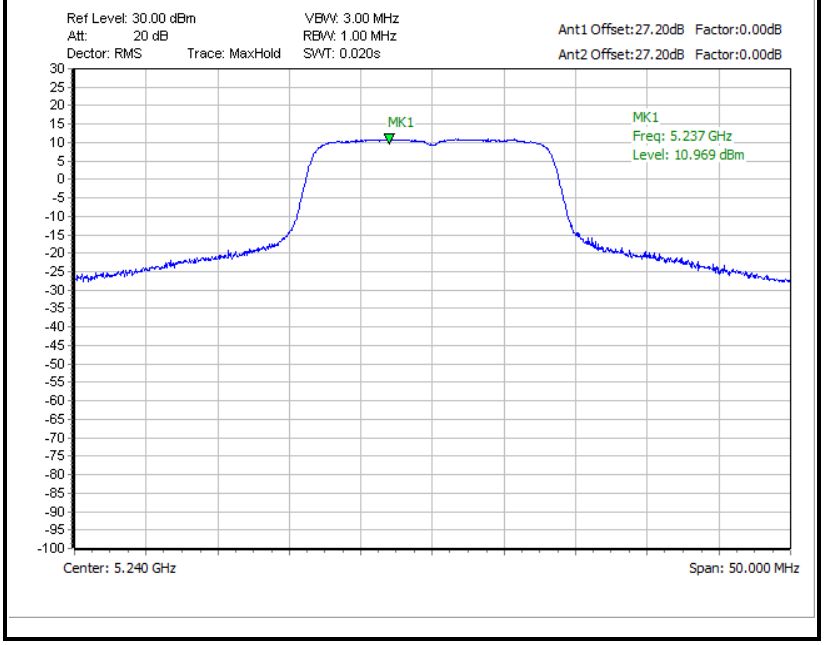
<802.11ax Mode>

Worst Case Power Density (dBm/MHz)



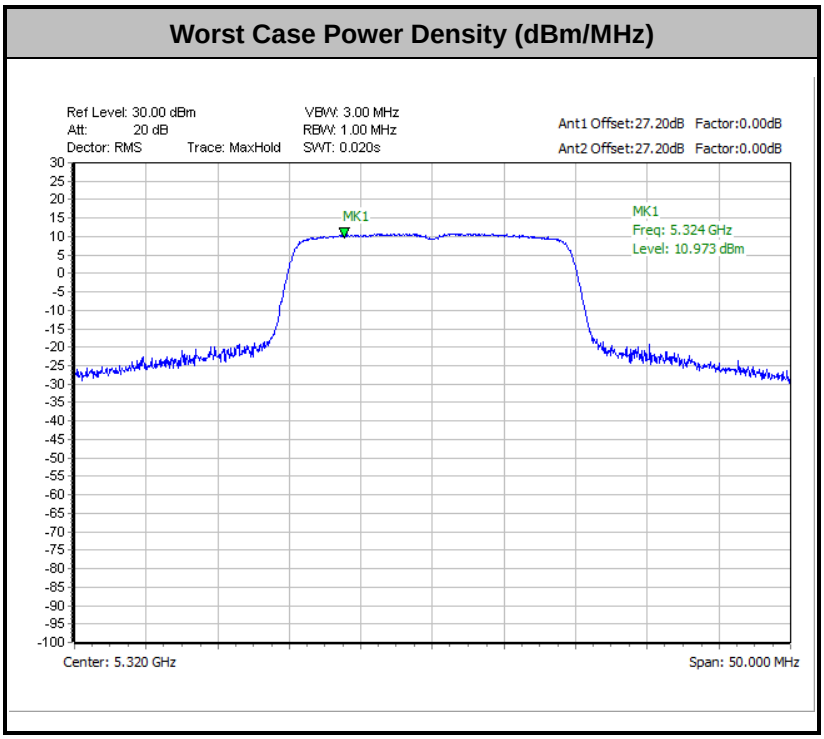
<Camera Mode>

Worst Case Power Density (dBm/MHz)



<802.11ax Mode>

Worst Case Power Density (dBm/MHz)



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 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

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

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

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

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

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

See list of measuring equipment of 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 1000MHz

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

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

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

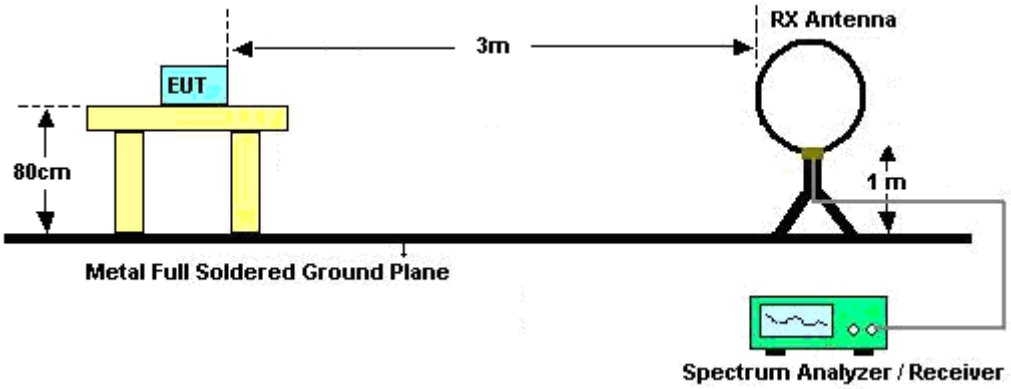
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

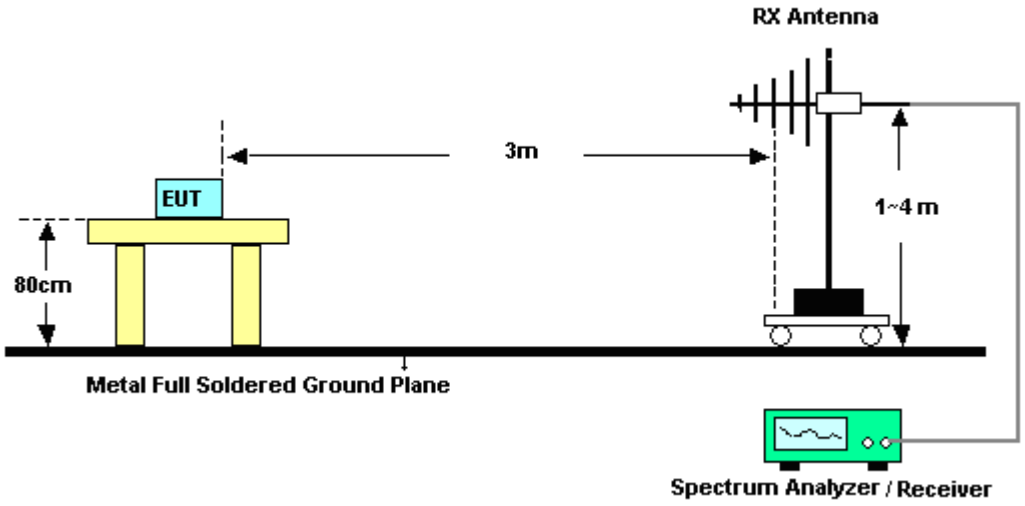
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

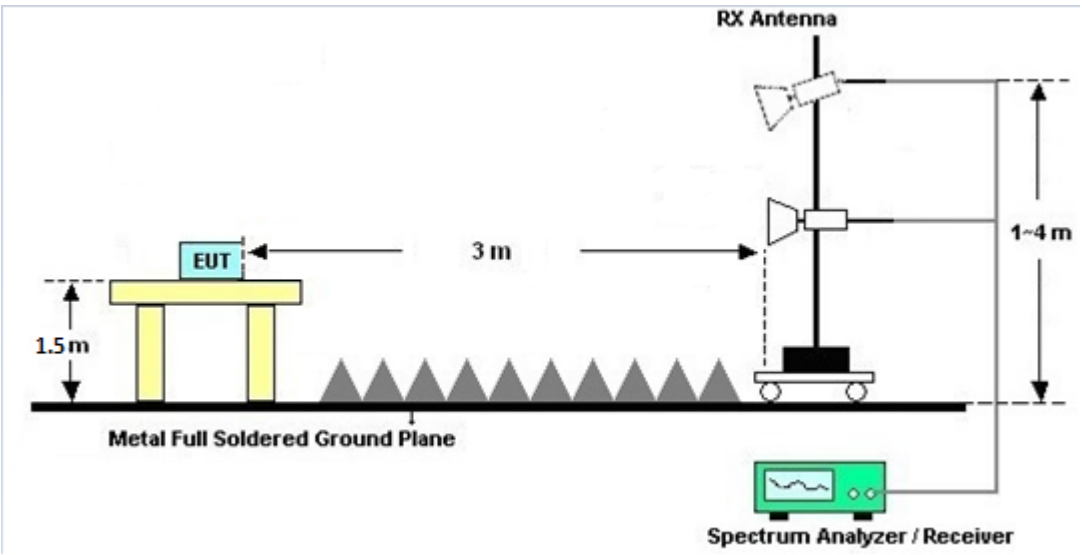
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated test above 1GHz



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

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

There is a comparison data 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 Spurious at 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 Radiated Spurious Emissions (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.

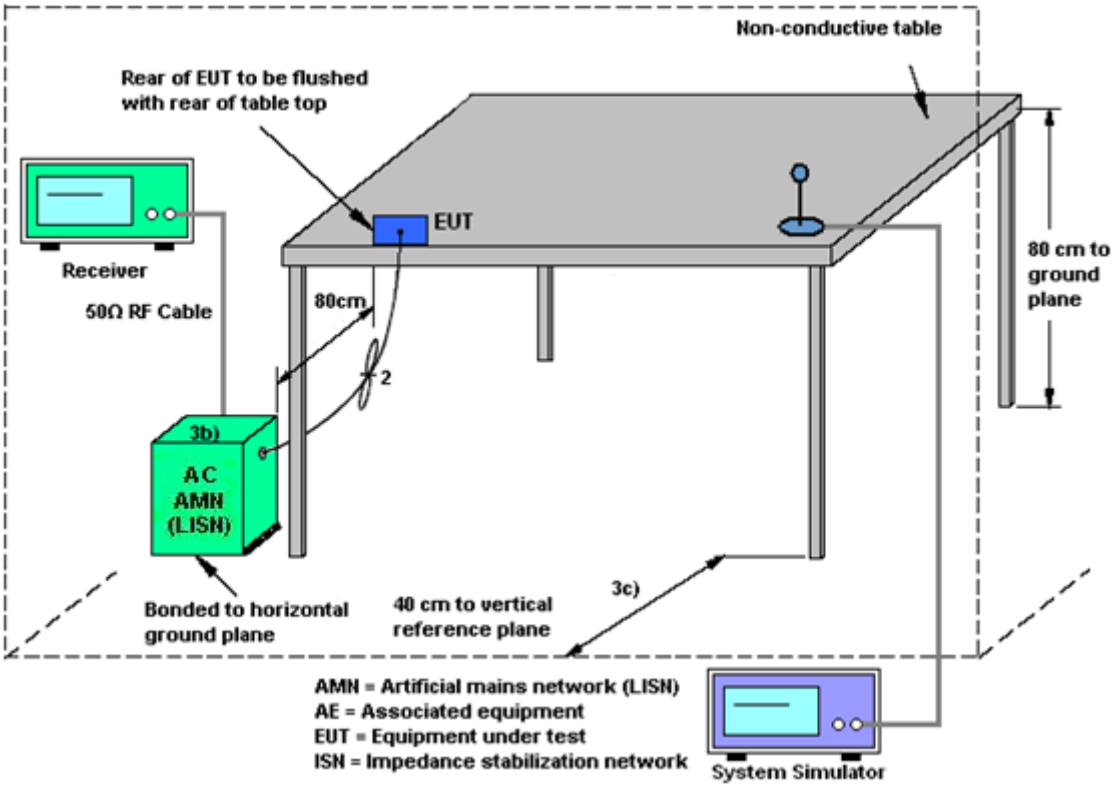
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

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

The EUT supports CDD mode.

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

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

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

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

<For Normal Mode>

<CDD Modes>						
	Ant. 4 (dBi)	Ant. 5 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-4.30	2.90	2.90	3.04	0.00	0.00
Band II	-4.30	2.90	2.90	3.04	0.00	0.00
Band III	-4.30	2.90	2.90	3.04	0.00	0.00

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

<For Camera Mode>

<CDD Modes>						
	Ant. 6 (dBi)	Ant. 5 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.00	2.90	3.00	5.96	0.00	0.00
Band II	3.00	2.90	3.00	5.96	0.00	0.00
Band III	3.00	2.90	3.00	5.96	0.00	0.00

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 12, 2020~ Dec. 22, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Dec. 12, 2020~ Dec. 22, 2020	Sep. 10, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Dec. 12, 2020~ Dec. 22, 2020	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Dec. 12, 2020~ Dec. 22, 2020	Nov. 30, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Dec. 12, 2020~ Dec. 22, 2020	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 12, 2020~ Dec. 22, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Dec. 12, 2020~ Dec. 22, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Dec. 12, 2020~ Dec. 22, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Nov. 12, 2020~ Jan. 30, 2021	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO09	10MHz~6GHz	Jan. 22, 2020	Nov. 12, 2020~ Jan. 20, 2021	Jan. 21, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12	10MHz~6GHz	Dec. 16, 2020	Jan. 21, 2021~ Jan. 30, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Nov. 12, 2020~ Jan. 30, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Nov. 12, 2020~ Jan. 30, 2021	Mar. 16, 2021	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Nov. 24, 2020~ Jan. 29, 2021	Jul. 13, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	41912 & 05	30MHz~1GHz	Feb. 09, 2020	Nov. 24, 2020~ Jan. 29, 2021	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Nov. 24, 2020~ Dec. 25, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 02, 2020	Dec. 26, 2020~ Jan. 29, 2021	Dec. 01, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Nov. 03, 2020	Nov. 24, 2020~ Jan. 29, 2021	Nov. 02, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 22, 2020	Nov. 24, 2020~ Jan. 29, 2021	May 21, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Nov. 24, 2020~ Jan. 29, 2021	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Nov. 24, 2020~ Jan. 29, 2021	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Oct. 27, 2020	Nov. 24, 2020~ Jan. 29, 2021	Oct. 26, 2021	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20MHz~8.4GHz	Nov. 02, 2020	Nov. 24, 2020~ Jan. 29, 2021	Nov. 01, 2021	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Nov. 24, 2020~ Jan. 29, 2021	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 24, 2020~ Jan. 29, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 24, 2020~ Jan. 29, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Nov. 24, 2020~ Jan. 29, 2021	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE,508405/2E	30MHz~18G	Nov. 16, 2020	Nov. 24, 2020~ Jan. 29, 2021	Nov. 15, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Nov. 24, 2020~ Jan. 29, 2021	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Nov. 24, 2020~ Jan. 29, 2021	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Nov. 24, 2020~ Jan. 29, 2021	Mar. 11, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 03, 2020	Nov. 24, 2020~ Jan. 29, 2021	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jul. 01, 2020	Nov. 24, 2020~ Jan. 29, 2021	Jun. 30, 2021	Radiation (03CH15-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.3**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2020/11/12~2021/01/30	Relative Humidity:	51~54	%

<Normal Mode>

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	36	5180	16.58	16.33	33.03	20.32	-		22.13			
11a	6Mbps	2	44	5220	16.83	16.33	46.33	20.32	-		22.13			
11a	6Mbps	2	48	5240	16.88	16.33	42.26	20.08	-		22.13			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	36	5180	18.40	17.80	21.12	24.00		2.90			Pass
11a	6Mbps	2	44	5220	18.50	18.10	21.31	24.00		2.90			Pass
11a	6Mbps	2	48	5240	18.70	18.20	21.47	24.00		2.90			Pass
HT20	MCS0	2	36	5180	18.40	18.00	21.21	24.00		2.90			Pass
HT20	MCS0	2	44	5220	18.30	18.00	21.16	24.00		2.90			Pass
HT20	MCS0	2	48	5240	18.40	18.00	21.21	24.00		2.90			Pass
HT40	MCS0	2	38	5190	18.80	18.10	21.47	24.00		2.90			Pass
HT40	MCS0	2	46	5230	19.40	18.90	22.17	24.00		2.90			Pass
VHT20	MCS0	2	36	5180	18.40	18.00	21.21	24.00		2.90			Pass
VHT20	MCS0	2	44	5220	18.30	18.00	21.16	24.00		2.90			Pass
VHT20	MCS0	2	48	5240	18.40	18.00	21.21	24.00		2.90			Pass
VHT40	MCS0	2	38	5190	18.80	18.10	21.47	24.00		2.90			Pass
VHT40	MCS0	2	46	5230	19.40	18.90	22.17	24.00		2.90			Pass
VHT80	MCS0	2	42	5210	18.60	18.20	21.41	24.00		2.90			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	36	5180			10.56	11.00		3.04			Pass
11a	6Mbps	2	44	5220			10.89	11.00		3.04			Pass
11a	6Mbps	2	48	5240			10.96	11.00		3.04			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	
11a	6Mbps	2	52	5260	16.73	16.33	33.63	20.38	23.13		29.13		23.98		
11a	6Mbps	2	60	5300	16.68	16.33	31.83	20.38	23.13		29.13		23.98		
11a	6Mbps	2	64	5320	16.73	16.33	34.47	20.26	23.13		29.13		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	52	5260	18.60	18.00	21.32	23.98		2.90		26.99	Pass
11a	6Mbps	2	60	5300	18.50	17.80	21.17	23.98		2.90		26.99	Pass
11a	6Mbps	2	64	5320	18.70	18.00	21.37	23.98		2.90		26.99	Pass
HT20	MCS0	2	52	5260	18.70	18.30	21.51	23.98		2.90		26.99	Pass
HT20	MCS0	2	60	5300	18.70	18.10	21.42	23.98		2.90		26.99	Pass
HT20	MCS0	2	64	5320	18.40	17.70	21.07	23.98		2.90		26.99	Pass
HT40	MCS0	2	54	5270	19.50	18.60	22.08	23.98		2.90		26.99	Pass
HT40	MCS0	2	62	5310	19.30	18.50	21.93	23.98		2.90		26.99	Pass
VHT20	MCS0	2	52	5260	18.70	18.30	21.51	23.98		2.90		26.99	Pass
VHT20	MCS0	2	60	5300	18.70	18.10	21.42	23.98		2.90		26.99	Pass
VHT20	MCS0	2	64	5320	18.40	17.70	21.07	23.98		2.90		26.99	Pass
VHT40	MCS0	2	54	5270	19.50	18.60	22.08	23.98		2.90		26.99	Pass
VHT40	MCS0	2	62	5310	19.30	18.50	21.93	23.98		2.90		26.99	Pass
VHT80	MCS0	2	58	5290	18.90	18.30	21.62	23.98		2.90		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	52	5260			10.88	11.00		3.04			Pass
11a	6Mbps	2	60	5300			10.67	11.00		3.04			Pass
11a	6Mbps	2	64	5320			10.93	11.00		3.04			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5
11a	6Mbps	2	100	5500	16.48	16.33	21.64	20.38	23.13		29.13		23.98		----	----
11a	6Mbps	2	116	5580	16.63	16.33	34.29	20.32	23.13		29.13		23.98		----	----
11a	6Mbps	2	140	5700	16.93	16.33	40.16	20.26	23.13		29.13		23.98		----	----

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	100	5500	18.40	18.00	21.21	23.98		2.90		26.99	Pass
11a	6Mbps	2	116	5580	18.40	17.90	21.17	23.98		2.90		26.99	Pass
11a	6Mbps	2	140	5700	18.80	17.50	21.21	23.98		2.90		26.99	Pass
HT20	MCS0	2	100	5500	18.20	17.80	21.01	23.98		2.90		26.99	Pass
HT20	MCS0	2	116	5580	18.10	17.60	20.87	23.98		2.90		26.99	Pass
HT20	MCS0	2	140	5700	18.60	17.30	21.01	23.98		2.90		26.99	Pass
HT40	MCS0	2	102	5510	19.30	18.90	22.11	23.98		2.90		26.99	Pass
HT40	MCS0	2	110	5550	19.80	19.40	22.61	23.98		2.90		26.99	Pass
HT40	MCS0	2	134	5670	19.70	18.10	21.98	23.98		2.90		26.99	Pass
VHT20	MCS0	2	100	5500	18.20	17.80	21.01	23.98		2.90		26.99	Pass
VHT20	MCS0	2	116	5580	18.10	17.60	20.87	23.98		2.90		26.99	Pass
VHT20	MCS0	2	140	5700	18.60	17.30	21.01	23.98		2.90		26.99	Pass
VHT40	MCS0	2	102	5510	19.30	18.90	22.11	23.98		2.90		26.99	Pass
VHT40	MCS0	2	110	5550	19.80	19.40	22.61	23.98		2.90		26.99	Pass
VHT40	MCS0	2	134	5670	19.70	18.10	21.98	23.98		2.90		26.99	Pass
VHT80	MCS0	2	106	5530	19.40	19.30	22.36	23.98		2.90		26.99	Pass
VHT80	MCS0	2	122	5610	19.50	19.10	22.31	23.98		2.90		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	100	5500			10.83	11.00		3.04			Pass
11a	6Mbps	2	116	5580			10.92	11.00		3.04			Pass
11a	6Mbps	2	140	5700			10.99	11.00		3.04			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	36	5180	Full	19.23	18.93	49.33	26.49	-		22.77			
HE20	MCS0	2	44	5220	Full	19.23	18.93	47.29	22.24	-		22.77			
HE20	MCS0	2	48	5240	Full	19.33	18.93	50.89	22.60	-		22.77			
HE40	MCS0	2	38	5190	Full	38.46	37.96	66.17	41.36	-		23.01			
HE40	MCS0	2	46	5230	Full	38.76	37.96	98.42	41.48	-		23.01			
HE80	MCS0	2	42	5210	Full	79.36	78.16	170.71	82.24	-		23.01			
HE160	MCS0	2	50	5250	Full	156.80	156.56	162.46	163.58	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	36	5180	Full	18.50	18.00	21.27	24.00		2.90			Pass
HE20	MCS0	2	36	5180	26/0	10.90	9.70	13.35	24.00		2.90			Pass
HE20	MCS0	2	36	5180	52/37	13.80	12.80	16.34	24.00		2.90			Pass
HE20	MCS0	2	36	5180	106/53	15.20	14.60	17.92	24.00		2.90			Pass
HE20	MCS0	2	44	5220	Full	18.40	18.00	21.21	24.00		2.90			Pass
HE20	MCS0	2	44	5220	26/4	11.00	10.00	13.54	24.00		2.90			Pass
HE20	MCS0	2	44	5220	52/39	13.20	12.30	15.78	24.00		2.90			Pass
HE20	MCS0	2	44	5220	106/53	15.80	15.90	18.86	24.00		2.90			Pass
HE20	MCS0	2	48	5240	Full	18.50	18.00	21.27	24.00		2.90			Pass
HE20	MCS0	2	48	5240	26/8	9.20	8.60	11.92	24.00		2.90			Pass
HE20	MCS0	2	48	5240	52/40	11.90	11.30	14.62	24.00		2.90			Pass
HE20	MCS0	2	48	5240	106/54	15.00	14.90	17.96	24.00		2.90			Pass
HE40	MCS0	2	38	5190	Full	18.90	18.30	21.62	24.00		2.90			Pass
HE40	MCS0	2	38	5190	242/61	16.10	16.00	19.06	24.00		2.90			Pass
HE40	MCS0	2	46	5230	Full	19.40	19.00	22.21	24.00		2.90			Pass
HE40	MCS0	2	46	5230	242/62	16.00	15.80	18.91	24.00		2.90			Pass
HE80	MCS0	2	42	5210	Full	18.70	18.40	21.56	24.00		2.90			Pass
HE80	MCS0	2	42	5210	484/65	14.50	14.40	17.46	24.00		2.90			Pass
HE160	MCS0	2	50	5250	Full	17.10	16.80	19.96	24.00		2.90			Pass
HE160	MCS0	2	50	5250	996/67	13.90	13.80	16.86	24.00		2.90			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	36	5180	Full			10.74	11.00		3.04		Pass
HE20	MCS0	2	36	5180	26/0			10.49	11.00		3.04		Pass
HE20	MCS0	2	36	5180	52/37			10.55	11.00		3.04		Pass
HE20	MCS0	2	36	5180	106/53			10.58	11.00		3.04		Pass
HE20	MCS0	2	44	5220	Full			10.49	11.00		3.04		Pass
HE20	MCS0	2	44	5220	26/4			10.44	11.00		3.04		Pass
HE20	MCS0	2	44	5220	52/39			10.40	11.00		3.04		Pass
HE20	MCS0	2	44	5220	106/53			10.37	11.00		3.04		Pass
HE20	MCS0	2	48	5240	Full			10.68	11.00		3.04		Pass
HE20	MCS0	2	48	5240	26/8			10.67	11.00		3.04		Pass
HE20	MCS0	2	48	5240	52/40			10.31	11.00		3.04		Pass
HE20	MCS0	2	48	5240	106/54			10.58	11.00		3.04		Pass
HE40	MCS0	2	38	5190	Full			7.62	11.00		3.04		Pass
HE40	MCS0	2	38	5190	242/61			7.53	11.00		3.04		Pass
HE40	MCS0	2	46	5230	Full			7.81	11.00		3.04		Pass
HE40	MCS0	2	46	5230	242/62			7.62	11.00		3.04		Pass
HE80	MCS0	2	42	5210	Full			4.68	11.00		3.04		Pass
HE80	MCS0	2	42	5210	484/65			3.36	11.00		3.04		Pass
HE160	MCS0	2	50	5250	Full			-0.22	11.00		3.04		Pass
HE160	MCS0	2	50	5250	996/67			-0.86	11.00		3.04		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	52	5260	Full	19.23	18.98	47.53	22.60	23.78		29.78		23.98		
HE20	MCS0	2	60	5300	Full	19.28	18.93	47.65	22.54	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	Full	19.13	18.93	40.52	22.54	23.77		29.77		23.98		
HE40	MCS0	2	54	5270	Full	43.06	37.96	92.31	41.48	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	43.86	37.96	100.58	41.96	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	79.12	78.28	123.96	82.00	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	52	5260	Full	18.80	18.50	21.66	23.98		2.90		26.99	Pass
HE20	MCS0	2	52	5260	26/0	9.10	8.80	11.96	23.98		2.90		26.99	Pass
HE20	MCS0	2	52	5260	52/37	12.20	11.90	15.06	23.98		2.90		26.99	Pass
HE20	MCS0	2	52	5260	106/53	15.00	14.70	17.86	23.98		2.90		26.99	Pass
HE20	MCS0	2	60	5300	Full	18.80	18.30	21.57	23.98		2.90		26.99	Pass
HE20	MCS0	2	60	5300	26/4	10.30	9.50	12.93	23.98		2.90		26.99	Pass
HE20	MCS0	2	60	5300	52/39	12.50	11.70	15.13	23.98		2.90		26.99	Pass
HE20	MCS0	2	60	5300	106/54	15.50	15.00	18.27	23.98		2.90		26.99	Pass
HE20	MCS0	2	64	5320	Full	18.50	17.90	21.22	23.98		2.90		26.99	Pass
HE20	MCS0	2	64	5320	26/8	9.10	8.40	11.77	23.98		2.90		26.99	Pass
HE20	MCS0	2	64	5320	52/40	12.20	11.50	14.87	23.98		2.90		26.99	Pass
HE20	MCS0	2	64	5320	106/54	15.60	15.20	18.41	23.98		2.90		26.99	Pass
HE40	MCS0	2	54	5270	Full	19.50	18.70	22.13	23.98		2.90		26.99	Pass
HE40	MCS0	2	54	5270	242/61	16.90	16.90	19.91	23.98		2.90		26.99	Pass
HE40	MCS0	2	62	5310	Full	19.40	18.50	21.98	23.98		2.90		26.99	Pass
HE40	MCS0	2	62	5310	242/62	17.10	16.60	19.87	23.98		2.90		26.99	Pass
HE80	MCS0	2	58	5290	Full	19.00	18.40	21.72	23.98		2.90		26.99	Pass
HE80	MCS0	2	58	5290	484/66	16.40	16.00	19.21	23.98		2.90		26.99	Pass
HE160	MCS0	2	50	5250	996/S67	13.60	12.30	16.01	23.98		2.90		26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	52	5260	Full			10.97	11.00		3.04		Pass
HE20	MCS0	2	52	5260	26/0			10.60	11.00		3.04		Pass
HE20	MCS0	2	52	5260	52/37			10.87	11.00		3.04		Pass
HE20	MCS0	2	52	5260	106/53			10.60	11.00		3.04		Pass
HE20	MCS0	2	60	5300	Full			10.94	11.00		3.04		Pass
HE20	MCS0	2	60	5300	26/4			10.63	11.00		3.04		Pass
HE20	MCS0	2	60	5300	52/39			10.92	11.00		3.04		Pass
HE20	MCS0	2	60	5300	106/54			10.55	11.00		3.04		Pass
HE20	MCS0	2	64	5320	Full			10.73	11.00		3.04		Pass
HE20	MCS0	2	64	5320	26/8			10.28	11.00		3.04		Pass
HE20	MCS0	2	64	5320	52/40			10.40	11.00		3.04		Pass
HE20	MCS0	2	64	5320	106/54			10.71	11.00		3.04		Pass
HE40	MCS0	2	54	5270	Full			8.75	11.00		3.04		Pass
HE40	MCS0	2	54	5270	242/61			8.37	11.00		3.04		Pass
HE40	MCS0	2	62	5310	Full			8.82	11.00		3.04		Pass
HE40	MCS0	2	62	5310	242/62			8.75	11.00		3.04		Pass
HE80	MCS0	2	58	5290	Full			5.01	11.00		3.04		Pass
HE80	MCS0	2	58	5290	484/66			4.83	11.00		3.04		Pass
HE160	MCS0	2	50	5250	996/S67			-1.25	11.00		3.04		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5
HE20	MCS0	2	100	5500	Full	18.98	18.93	34.65	25.18	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.08	18.93	36.20	22.72	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.38	18.98	52.15	22.48	23.78		29.78		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.46	38.16	66.17	41.24	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	48.35	38.26	95.66	67.25	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	43.46	38.06	90.99	41.36	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	79.96	78.40	174.31	82.00	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	79.60	78.40	179.70	82.61	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	157.04	156.56	396.88	162.46	23.98		30.00		23.98		----	----

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	100	5500	Full	18.30	18.00	21.16	23.98		2.90		26.99	Pass
HE20	MCS0	2	100	5500	26/0	9.00	8.60	11.81	23.98		2.90		26.99	Pass
HE20	MCS0	2	100	5500	52/37	12.10	11.80	14.96	23.98		2.90		26.99	Pass
HE20	MCS0	2	100	5500	106/53	15.00	14.80	17.91	23.98		2.90		26.99	Pass
HE20	MCS0	2	116	5580	Full	18.20	17.70	20.97	23.98		2.90		26.99	Pass
HE20	MCS0	2	116	5580	26/4	8.50	8.00	11.27	23.98		2.90		26.99	Pass
HE20	MCS0	2	116	5580	52/38	12.10	11.60	14.87	23.98		2.90		26.99	Pass
HE20	MCS0	2	116	5580	106/53	15.00	14.40	17.72	23.98		2.90		26.99	Pass
HE20	MCS0	2	140	5700	Full	18.60	17.50	21.10	23.98		2.90		26.99	Pass
HE20	MCS0	2	140	5700	26/8	9.60	8.50	12.10	23.98		2.90		26.99	Pass
HE20	MCS0	2	140	5700	52/40	12.70	11.60	15.20	23.98		2.90		26.99	Pass
HE20	MCS0	2	140	5700	106/54	15.80	14.50	18.21	23.98		2.90		26.99	Pass
HE40	MCS0	2	102	5510	Full	19.40	19.00	22.21	23.98		2.90		26.99	Pass
HE40	MCS0	2	102	5510	242/61	14.70	14.60	17.66	23.98		2.90		26.99	Pass
HE40	MCS0	2	110	5550	Full	19.90	19.50	22.71	23.98		2.90		26.99	Pass
HE40	MCS0	2	110	5550	242/61	17.70	17.30	20.51	23.98		2.90		26.99	Pass
HE40	MCS0	2	134	5670	Full	19.80	18.20	22.08	23.98		2.90		26.99	Pass
HE40	MCS0	2	134	5670	242/62	17.30	16.00	19.71	23.98		2.90		26.99	Pass
HE80	MCS0	2	106	5530	Full	19.40	19.40	22.41	23.98		2.90		26.99	Pass
HE80	MCS0	2	106	5530	484/65	15.50	15.30	18.41	23.98		2.90		26.99	Pass
HE80	MCS0	2	122	5610	Full	19.50	19.00	22.27	23.98		2.90		26.99	Pass
HE80	MCS0	2	122	5610	484/66	17.80	17.00	20.43	23.98		2.90		26.99	Pass
HE160	MCS0	2	114	5570	Full	18.90	18.60	21.76	23.98		2.90		26.99	Pass
HE160	MCS0	2	114	5570	996/67	15.80	15.10	18.47	23.98		2.90		26.99	Pass
HE160	MCS0	2	114	5570	996/S67	16.00	15.40	18.72	23.98		2.90		26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	100	5500	Full			10.55	11.00		3.04		Pass
HE20	MCS0	2	100	5500	26/0			10.24	11.00		3.04		Pass
HE20	MCS0	2	100	5500	52/37			10.28	11.00		3.04		Pass
HE20	MCS0	2	100	5500	106/53			10.32	11.00		3.04		Pass
HE20	MCS0	2	116	5580	Full			10.59	11.00		3.04		Pass
HE20	MCS0	2	116	5580	26/4			10.55	11.00		3.04		Pass
HE20	MCS0	2	116	5580	52/38			10.20	11.00		3.04		Pass
HE20	MCS0	2	116	5580	106/53			10.17	11.00		3.04		Pass
HE20	MCS0	2	140	5700	Full			10.84	11.00		3.04		Pass
HE20	MCS0	2	140	5700	26/8			10.43	11.00		3.04		Pass
HE20	MCS0	2	140	5700	52/40			10.50	11.00		3.04		Pass
HE20	MCS0	2	140	5700	106/54			10.50	11.00		3.04		Pass
HE40	MCS0	2	102	5510	Full			8.44	11.00		3.04		Pass
HE40	MCS0	2	102	5510	242/61			6.63	11.00		3.04		Pass
HE40	MCS0	2	110	5550	Full			9.35	11.00		3.04		Pass
HE40	MCS0	2	110	5550	242/61			9.32	11.00		3.04		Pass
HE40	MCS0	2	134	5670	Full			8.79	11.00		3.04		Pass
HE40	MCS0	2	134	5670	242/62			8.76	11.00		3.04		Pass
HE80	MCS0	2	106	5530	Full			6.02	11.00		3.04		Pass
HE80	MCS0	2	106	5530	484/65			4.56	11.00		3.04		Pass
HE80	MCS0	2	122	5610	Full			6.60	11.00		3.04		Pass
HE80	MCS0	2	122	5610	484/66			6.53	11.00		3.04		Pass
HE160	MCS0	2	114	5570	Full			2.10	11.00		3.04		Pass
HE160	MCS0	2	114	5570	996/67			0.66	11.00		3.04		Pass
HE160	MCS0	2	114	5570	996/S67			1.42	11.00		3.04		Pass

<Camera Mode>

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	36	5180	16.68	16.38	38.00	20.50	-		22.14			
11a	6Mbps	2	44	5220	16.63	16.38	29.01	20.44	-		22.14			
11a	6Mbps	2	48	5240	16.63	16.38	30.87	20.44	-		22.14			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	36	5180	19.90	18.70	22.35	24.00		3.00			Pass
11a	6Mbps	2	44	5220	19.70	18.70	22.24	24.00		3.00			Pass
11a	6Mbps	2	48	5240	19.80	18.80	22.34	24.00		3.00			Pass
HT20	MCS0	2	36	5180	19.30	18.20	21.80	24.00		3.00			Pass
HT20	MCS0	2	44	5220	19.70	18.50	22.15	24.00		3.00			Pass
HT20	MCS0	2	48	5240	19.70	18.60	22.20	24.00		3.00			Pass
HT40	MCS0	2	38	5190	17.80	16.50	20.21	24.00		3.00			Pass
HT40	MCS0	2	46	5230	19.40	18.40	21.94	24.00		3.00			Pass
VHT20	MCS0	2	36	5180	19.30	18.20	21.80	24.00		3.00			Pass
VHT20	MCS0	2	44	5220	19.70	18.60	22.20	24.00		3.00			Pass
VHT20	MCS0	2	48	5240	19.70	18.70	22.24	24.00		3.00			Pass
VHT40	MCS0	2	38	5190	17.80	16.50	20.21	24.00		3.00			Pass
VHT40	MCS0	2	46	5230	19.40	18.40	21.94	24.00		3.00			Pass
VHT80	MCS0	2	42	5210	17.40	16.30	19.90	24.00		3.00			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	36	5180			10.73	11.00		5.96			Pass
11a	6Mbps	2	44	5220			10.69	11.00		5.96			Pass
11a	6Mbps	2	48	5240			10.97	11.00		5.96			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	
11a	6Mbps	2	52	5260	16.53	16.38	30.03	20.32	23.14		29.14		23.98		
11a	6Mbps	2	60	5300	16.58	16.38	31.95	20.38	23.14		29.14		23.98		
11a	6Mbps	2	64	5320	16.48	16.38	21.82	20.38	23.14		29.14		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	52	5260	19.50	18.40	22.00	23.98		3.00		26.99	Pass
11a	6Mbps	2	60	5300	19.50	18.40	22.00	23.98		3.00		26.99	Pass
11a	6Mbps	2	64	5320	19.20	18.00	21.65	23.98		3.00		26.99	Pass
HT20	MCS0	2	52	5260	19.30	18.30	21.84	23.98		3.00		26.99	Pass
HT20	MCS0	2	60	5300	18.90	17.70	21.35	23.98		3.00		26.99	Pass
HT20	MCS0	2	64	5320	19.00	17.80	21.45	23.98		3.00		26.99	Pass
HT40	MCS0	2	54	5270	19.80	18.70	22.30	23.98		3.00		26.99	Pass
HT40	MCS0	2	62	5310	18.50	17.00	20.82	23.98		3.00		26.99	Pass
VHT20	MCS0	2	52	5260	19.30	18.30	21.84	23.98		3.00		26.99	Pass
VHT20	MCS0	2	60	5300	18.90	17.70	21.35	23.98		3.00		26.99	Pass
VHT20	MCS0	2	64	5320	19.00	17.80	21.45	23.98		3.00		26.99	Pass
VHT40	MCS0	2	54	5270	19.80	18.70	22.30	23.98		3.00		26.99	Pass
VHT40	MCS0	2	62	5310	18.60	17.00	20.88	23.98		3.00		26.99	Pass
VHT80	MCS0	2	58	5290	17.00	15.60	19.37	23.98		3.00		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	52	5260			10.69	11.00		5.96			Pass
11a	6Mbps	2	60	5300			10.91	11.00		5.96			Pass
11a	6Mbps	2	64	5320			10.69	11.00		5.96			Pass

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TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5
11a	6Mbps	2	100	5500	16.43	16.38	20.80	20.50	23.14		29.14		23.98		----	----
11a	6Mbps	2	116	5580	16.53	16.38	28.53	20.32	23.14		29.14		23.98		----	----
11a	6Mbps	2	140	5700	16.73	16.38	30.21	20.26	23.14		29.14		23.98		----	----
HT20	MCS0	2	100	5500	18.98	18.98	22.42	22.60	23.78		29.78		23.98		----	----
HT20	MCS0	2	116	5580	18.98	18.93	24.58	22.66	23.77		29.77		23.98		----	----
HT20	MCS0	2	140	5700	18.98	18.93	30.15	22.36	23.77		29.77		23.98		----	----
HT40	MCS0	2	102	5510	38.16	38.16	41.36	41.12	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	38.66	38.06	93.39	41.72	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	38.46	37.96	66.89	41.60	23.98		30.00		23.98		----	----
VHT20	MCS0	2	100	5500	18.98	18.98	22.42	22.60	23.78		29.78		23.98		----	----
VHT20	MCS0	2	116	5580	18.98	18.93	24.58	22.66	23.77		29.77		23.98		----	----
VHT20	MCS0	2	140	5700	18.98	18.93	30.15	22.36	23.77		29.77		23.98		----	----
VHT40	MCS0	2	102	5510	38.16	38.16	41.36	41.12	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	38.66	38.06	93.39	41.72	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	38.46	37.96	66.89	41.60	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	78.52	78.16	82.24	82.48	23.98		30.00		23.98		----	----

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	100	5500	18.70	18.00	21.37	23.98		3.00		26.99	Pass
11a	6Mbps	2	116	5580	19.00	18.40	21.72	23.98		3.00		26.99	Pass
11a	6Mbps	2	140	5700	19.00	17.50	21.32	23.98		3.00		26.99	Pass
HT20	MCS0	2	100	5500	18.00	17.50	20.77	23.98		3.00		26.99	Pass
HT20	MCS0	2	116	5580	18.50	17.60	21.08	23.98		3.00		26.99	Pass
HT20	MCS0	2	140	5700	18.20	16.30	20.36	23.98		3.00		26.99	Pass
HT40	MCS0	2	102	5510	19.10	18.40	21.77	23.98		3.00		26.99	Pass
HT40	MCS0	2	110	5550	19.80	19.30	22.57	23.98		3.00		26.99	Pass
HT40	MCS0	2	134	5670	19.60	17.80	21.80	23.98		3.00		26.99	Pass
VHT20	MCS0	2	100	5500	18.00	17.50	20.77	23.98		3.00		26.99	Pass
VHT20	MCS0	2	116	5580	18.50	17.60	21.08	23.98		3.00		26.99	Pass
VHT20	MCS0	2	140	5700	18.30	16.40	20.46	23.98		3.00		26.99	Pass
VHT40	MCS0	2	102	5510	19.10	18.40	21.77	23.98		3.00		26.99	Pass
VHT40	MCS0	2	110	5550	19.80	19.30	22.57	23.98		3.00		26.99	Pass
VHT40	MCS0	2	134	5670	19.60	17.80	21.80	23.98		3.00		26.99	Pass
VHT80	MCS0	2	106	5530	18.70	18.10	21.42	23.98		3.00		26.99	Pass
VHT80	MCS0	2	122	5610	19.40	18.50	21.98	23.98		3.00		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
11a	6Mbps	2	100	5500			10.53	11.00		5.96			Pass
11a	6Mbps	2	116	5580			10.94	11.00		5.96			Pass
11a	6Mbps	2	140	5700			10.54	11.00		5.96			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5		
HE20	MCS0	2	36	5180	Full	19.08	18.93	41.54	22.42	-		22.77			
HE20	MCS0	2	44	5220	Full	19.13	18.98	46.63	26.01	-		22.78			
HE20	MCS0	2	48	5240	Full	19.08	18.93	43.94	22.36	-		22.77			
HE40	MCS0	2	38	5190	Full	38.06	37.96	41.24	41.00	-		23.01			
HE40	MCS0	2	46	5230	Full	38.16	37.96	52.15	41.36	-		23.01			
HE80	MCS0	2	42	5210	Full	78.04	78.16	82.00	81.52	-		23.01			
HE160	MCS0	2	50	5250	Full	156.56	156.56	163.58	162.78	-		23.01			

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TEST RESULTS DATA
Average Power Table

FCC Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
HE20	MCS0	2	36	5180	Full	19.40	18.20	21.85	24.00		3.00			Pass
HE20	MCS0	2	36	5180	26/0	9.40	8.10	11.81	24.00		3.00			Pass
HE20	MCS0	2	36	5180	52/37	12.50	11.20	14.91	24.00		3.00			Pass
HE20	MCS0	2	36	5180	106/53	15.00	14.00	17.54	24.00		3.00			Pass
HE20	MCS0	2	44	5220	Full	19.70	18.70	22.24	24.00		3.00			Pass
HE20	MCS0	2	44	5220	26/4	10.80	9.40	13.17	24.00		3.00			Pass
HE20	MCS0	2	44	5220	52/39	12.90	11.70	15.35	24.00		3.00			Pass
HE20	MCS0	2	44	5220	106/53	15.60	14.90	18.27	24.00		3.00			Pass
HE20	MCS0	2	48	5240	Full	19.70	18.80	22.28	24.00		3.00			Pass
HE20	MCS0	2	48	5240	26/8	10.20	8.70	12.52	24.00		3.00			Pass
HE20	MCS0	2	48	5240	52/40	13.20	11.70	15.52	24.00		3.00			Pass
HE20	MCS0	2	48	5240	106/54	15.80	14.90	18.38	24.00		3.00			Pass
HE40	MCS0	2	38	5190	Full	17.90	16.90	20.44	24.00		3.00			Pass
HE40	MCS0	2	38	5190	242/61	16.30	15.10	18.75	24.00		3.00			Pass
HE40	MCS0	2	46	5230	Full	19.50	18.40	22.00	24.00		3.00			Pass
HE40	MCS0	2	46	5230	242/62	17.30	16.10	19.75	24.00		3.00			Pass
HE80	MCS0	2	42	5210	Full	17.50	16.30	19.95	24.00		3.00			Pass
HE80	MCS0	2	42	5210	484/65	15.20	14.50	17.87	24.00		3.00			Pass
HE160	MCS0	2	50	5250	Full	17.40	16.30	19.90	24.00		3.00			Pass
HE160	MCS0	2	50	5250	996/67	13.30	12.70	16.02	24.00		3.00			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5	
HE20	MCS0	2	36	5180	Full			10.27	11.00		5.96		Pass
HE20	MCS0	2	36	5180	26/0			10.05	11.00		5.96		Pass
HE20	MCS0	2	36	5180	52/37			10.22	11.00		5.96		Pass
HE20	MCS0	2	36	5180	106/53			9.91	11.00		5.96		Pass
HE20	MCS0	2	44	5220	Full			10.71	11.00		5.96		Pass
HE20	MCS0	2	44	5220	26/4			10.46	11.00		5.96		Pass
HE20	MCS0	2	44	5220	52/39			10.55	11.00		5.96		Pass
HE20	MCS0	2	44	5220	106/53			10.54	11.00		5.96		Pass
HE20	MCS0	2	48	5240	Full			10.90	11.00		5.96		Pass
HE20	MCS0	2	48	5240	26/8			10.66	11.00		5.96		Pass
HE20	MCS0	2	48	5240	52/40			10.75	11.00		5.96		Pass
HE20	MCS0	2	48	5240	106/54			10.47	11.00		5.96		Pass
HE40	MCS0	2	38	5190	Full			7.21	11.00		5.96		Pass
HE40	MCS0	2	38	5190	242/61			7.19	11.00		5.96		Pass
HE40	MCS0	2	46	5230	Full			8.92	11.00		5.96		Pass
HE40	MCS0	2	46	5230	242/62			8.72	11.00		5.96		Pass
HE80	MCS0	2	42	5210	Full			3.83	11.00		5.96		Pass
HE80	MCS0	2	42	5210	484/65			3.62	11.00		5.96		Pass
HE160	MCS0	2	50	5250	Full			-0.41	11.00		5.96		Pass
HE160	MCS0	2	50	5250	996/67			-1.88	11.00		5.96		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	
HE20	MCS0	2	52	5260	Full	19.03	18.93	36.56	22.48	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	Full	18.98	18.88	25.77	22.30	23.76		29.76		23.98		
HE20	MCS0	2	64	5320	Full	18.98	18.88	33.03	22.54	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	38.16	37.96	65.69	41.48	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	38.06	37.96	44.00	41.24	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	78.28	78.04	82.05	82.37	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
HE20	MCS0	2	52	5260	Full	19.40	18.40	21.94	23.98		3.00		26.99	Pass
HE20	MCS0	2	52	5260	26/0	10.00	8.80	12.45	23.98		3.00		26.99	Pass
HE20	MCS0	2	52	5260	52/37	12.50	11.40	15.00	23.98		3.00		26.99	Pass
HE20	MCS0	2	52	5260	106/53	15.20	14.10	17.70	23.98		3.00		26.99	Pass
HE20	MCS0	2	60	5300	Full	18.90	17.80	21.40	23.98		3.00		26.99	Pass
HE20	MCS0	2	60	5300	26/4	10.70	9.00	12.94	23.98		3.00		26.99	Pass
HE20	MCS0	2	60	5300	52/39	12.70	11.30	15.07	23.98		3.00		26.99	Pass
HE20	MCS0	2	60	5300	106/54	15.60	14.30	18.01	23.98		3.00		26.99	Pass
HE20	MCS0	2	64	5320	Full	19.00	17.90	21.50	23.98		3.00		26.99	Pass
HE20	MCS0	2	64	5320	26/8	10.50	8.90	12.78	23.98		3.00		26.99	Pass
HE20	MCS0	2	64	5320	52/40	12.90	11.40	15.22	23.98		3.00		26.99	Pass
HE20	MCS0	2	64	5320	106/54	16.30	15.10	18.75	23.98		3.00		26.99	Pass
HE40	MCS0	2	54	5270	Full	19.90	18.70	22.35	23.98		3.00		26.99	Pass
HE40	MCS0	2	54	5270	242/61	17.50	16.50	20.04	23.98		3.00		26.99	Pass
HE40	MCS0	2	62	5310	Full	18.90	17.40	21.22	23.98		3.00		26.99	Pass
HE40	MCS0	2	62	5310	242/62	16.20	14.90	18.61	23.98		3.00		26.99	Pass
HE80	MCS0	2	58	5290	Full	17.10	15.70	19.47	23.98		3.00		26.99	Pass
HE80	MCS0	2	58	5290	484/66	15.00	13.50	17.32	23.98		3.00		26.99	Pass
HE160	MCS0	2	50	5250	996/S67	13.70	12.30	16.07	23.98		3.00		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5	
HE20	MCS0	2	52	5260	Full			10.75	11.00		5.96		Pass
HE20	MCS0	2	52	5260	26/0			10.65	11.00		5.96		Pass
HE20	MCS0	2	52	5260	52/37			10.40	11.00		5.96		Pass
HE20	MCS0	2	52	5260	106/53			10.42	11.00		5.96		Pass
HE20	MCS0	2	60	5300	Full			10.60	11.00		5.96		Pass
HE20	MCS0	2	60	5300	26/4			10.23	11.00		5.96		Pass
HE20	MCS0	2	60	5300	52/39			10.29	11.00		5.96		Pass
HE20	MCS0	2	60	5300	106/54			10.19	11.00		5.96		Pass
HE20	MCS0	2	64	5320	Full			10.97	11.00		5.96		Pass
HE20	MCS0	2	64	5320	26/8			10.86	11.00		5.96		Pass
HE20	MCS0	2	64	5320	52/40			10.63	11.00		5.96		Pass
HE20	MCS0	2	64	5320	106/54			10.84	11.00		5.96		Pass
HE40	MCS0	2	54	5270	Full			9.16	11.00		5.96		Pass
HE40	MCS0	2	54	5270	242/61			9.10	11.00		5.96		Pass
HE40	MCS0	2	62	5310	Full			8.21	11.00		5.96		Pass
HE40	MCS0	2	62	5310	242/62			7.86	11.00		5.96		Pass
HE80	MCS0	2	58	5290	Full			3.56	11.00		5.96		Pass
HE80	MCS0	2	58	5290	484/66			3.47	11.00		5.96		Pass
HE160	MCS0	2	50	5250	996/S67			-1.10	11.00		5.96		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5
HE20	MCS0	2	100	5500	Full	18.98	18.98	22.42	22.60	23.78		29.78		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.98	18.93	24.58	22.66	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.98	18.93	30.15	22.36	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.16	38.16	41.36	41.12	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	38.66	38.06	93.39	41.72	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.46	37.96	66.89	41.60	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	78.52	78.16	82.24	82.48	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	79.60	78.16	181.64	82.05	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	158.00	156.56	466.92	162.46	23.98		30.00		23.98		----	----

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5		
HE20	MCS0	2	100	5500	Full	18.00	17.60	20.81	23.98		3.00		26.99	Pass
HE20	MCS0	2	100	5500	26/0	9.50	8.70	12.13	23.98		3.00		26.99	Pass
HE20	MCS0	2	100	5500	52/37	12.40	11.80	15.12	23.98		3.00		26.99	Pass
HE20	MCS0	2	100	5500	106/53	15.30	14.60	17.97	23.98		3.00		26.99	Pass
HE20	MCS0	2	116	5580	Full	18.50	17.70	21.13	23.98		3.00		26.99	Pass
HE20	MCS0	2	116	5580	26/4	10.90	10.20	13.57	23.98		3.00		26.99	Pass
HE20	MCS0	2	116	5580	52/38	12.80	11.80	15.34	23.98		3.00		26.99	Pass
HE20	MCS0	2	116	5580	106/53	15.70	14.90	18.33	23.98		3.00		26.99	Pass
HE20	MCS0	2	140	5700	Full	18.40	17.00	20.77	23.98		3.00		26.99	Pass
HE20	MCS0	2	140	5700	26/8	10.10	8.40	12.34	23.98		3.00		26.99	Pass
HE20	MCS0	2	140	5700	52/40	12.70	11.50	15.15	23.98		3.00		26.99	Pass
HE20	MCS0	2	140	5700	106/54	16.00	14.40	18.28	23.98		3.00		26.99	Pass
HE40	MCS0	2	102	5510	Full	19.50	18.80	22.17	23.98		3.00		26.99	Pass
HE40	MCS0	2	102	5510	242/61	16.80	16.00	19.43	23.98		3.00		26.99	Pass
HE40	MCS0	2	110	5550	Full	19.90	19.50	22.71	23.98		3.00		26.99	Pass
HE40	MCS0	2	110	5550	242/61	17.80	17.10	20.47	23.98		3.00		26.99	Pass
HE40	MCS0	2	134	5670	Full	19.80	17.90	21.96	23.98		3.00		26.99	Pass
HE40	MCS0	2	134	5670	242/62	17.20	15.20	19.32	23.98		3.00		26.99	Pass
HE80	MCS0	2	106	5530	Full	19.00	18.30	21.67	23.98		3.00		26.99	Pass
HE80	MCS0	2	106	5530	484/65	16.00	15.20	18.63	23.98		3.00		26.99	Pass
HE80	MCS0	2	122	5610	Full	19.40	18.50	21.98	23.98		3.00		26.99	Pass
HE80	MCS0	2	122	5610	484/66	17.50	16.10	19.87	23.98		3.00		26.99	Pass
HE160	MCS0	2	114	5570	Full	19.20	18.70	21.97	23.98		3.00		26.99	Pass
HE160	MCS0	2	114	5570	996/67	16.30	15.20	18.80	23.98		3.00		26.99	Pass
HE160	MCS0	2	114	5570	996/S67	15.50	14.40	18.00	23.98		3.00		26.99	Pass

Report Number : FR082114E

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 6	Ant 5	SUM	Ant 6	Ant 5	Ant 6	Ant 5	
HE20	MCS0	2	100	5500	Full			10.53	11.00		5.96		Pass
HE20	MCS0	2	100	5500	26/0			10.37	11.00		5.96		Pass
HE20	MCS0	2	100	5500	52/37			10.38	11.00		5.96		Pass
HE20	MCS0	2	100	5500	106/53			10.22	11.00		5.96		Pass
HE20	MCS0	2	116	5580	Full			10.81	11.00		5.96		Pass
HE20	MCS0	2	116	5580	26/4			10.64	11.00		5.96		Pass
HE20	MCS0	2	116	5580	52/38			10.39	11.00		5.96		Pass
HE20	MCS0	2	116	5580	106/53			10.41	11.00		5.96		Pass
HE20	MCS0	2	140	5700	Full			10.56	11.00		5.96		Pass
HE20	MCS0	2	140	5700	26/8			10.43	11.00		5.96		Pass
HE20	MCS0	2	140	5700	52/40			10.29	11.00		5.96		Pass
HE20	MCS0	2	140	5700	106/54			10.41	11.00		5.96		Pass
HE40	MCS0	2	102	5510	Full			9.05	11.00		5.96		Pass
HE40	MCS0	2	102	5510	242/61			8.35	11.00		5.96		Pass
HE40	MCS0	2	110	5550	Full			9.87	11.00		5.96		Pass
HE40	MCS0	2	110	5550	242/61			9.39	11.00		5.96		Pass
HE40	MCS0	2	134	5670	Full			8.84	11.00		5.96		Pass
HE40	MCS0	2	134	5670	242/62			8.44	11.00		5.96		Pass
HE80	MCS0	2	106	5530	Full			5.77	11.00		5.96		Pass
HE80	MCS0	2	106	5530	484/65			4.68	11.00		5.96		Pass
HE80	MCS0	2	122	5610	Full			6.01	11.00		5.96		Pass
HE80	MCS0	2	122	5610	484/66			5.94	11.00		5.96		Pass
HE160	MCS0	2	114	5570	Full			2.16	11.00		5.96		Pass
HE160	MCS0	2	114	5570	996/67			0.87	11.00		5.96		Pass
HE160	MCS0	2	114	5570	996/S67			0.47	11.00		5.96		Pass

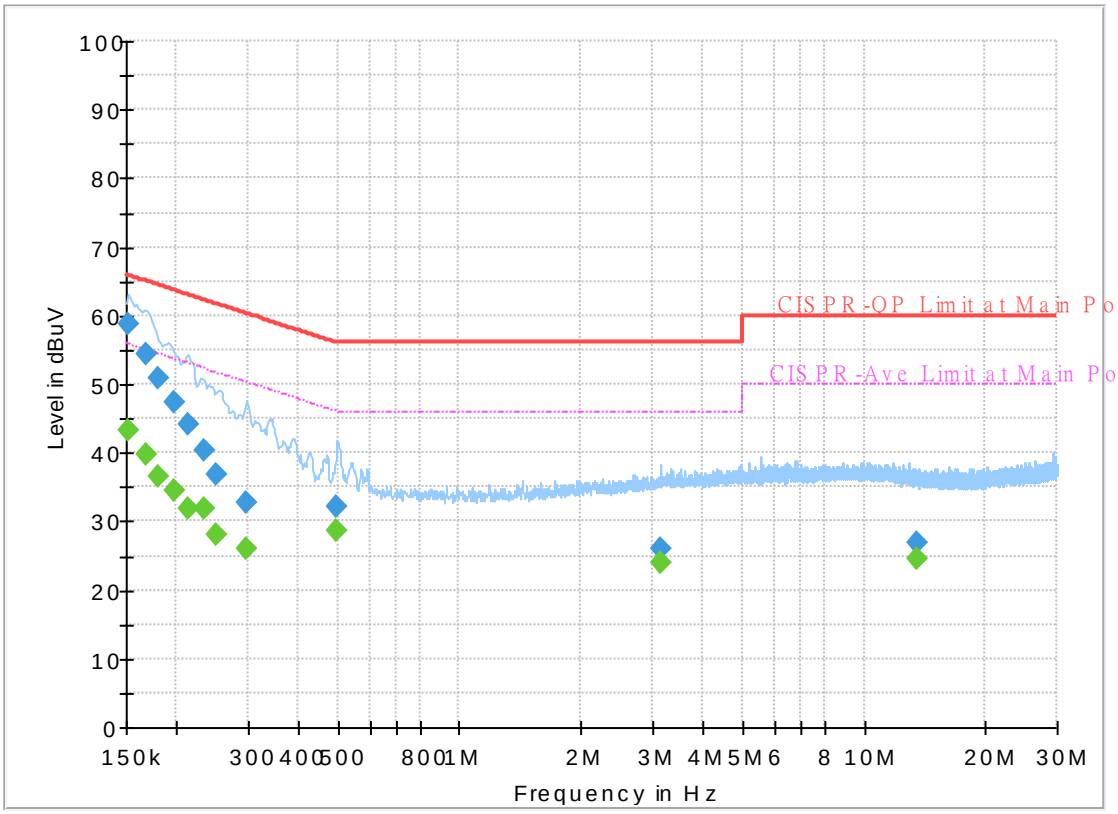
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	082114
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

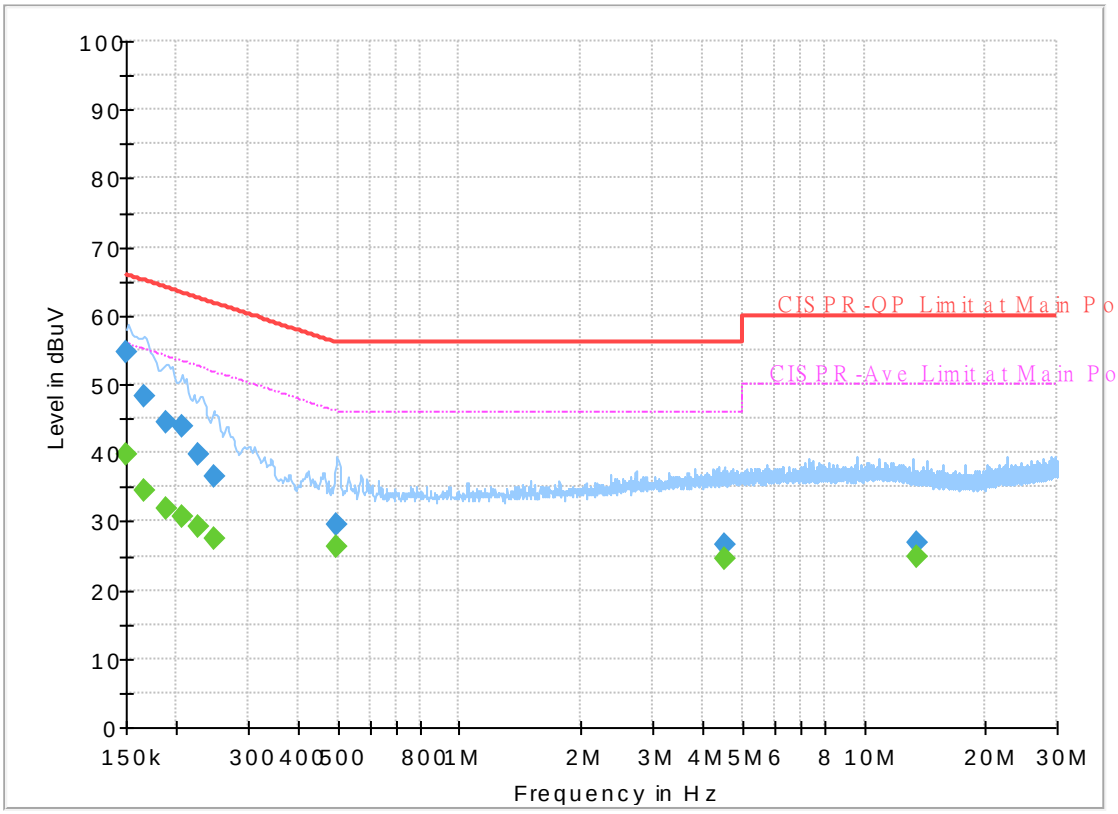
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	43.41	55.88	12.47	L1	OFF	19.6
0.152250	58.70	---	65.88	7.18	L1	OFF	19.6
0.167460	---	39.73	55.09	15.36	L1	OFF	19.6
0.167460	54.29	---	65.09	10.80	L1	OFF	19.6
0.180240	---	36.57	54.48	17.91	L1	OFF	19.6
0.180240	50.82	---	64.48	13.66	L1	OFF	19.6
0.197250	---	34.47	53.73	19.26	L1	OFF	19.6
0.197250	47.46	---	63.73	16.27	L1	OFF	19.6
0.213000	---	31.81	53.09	21.28	L1	OFF	19.5
0.213000	44.24	---	63.09	18.85	L1	OFF	19.5
0.233160	---	32.01	52.34	20.33	L1	OFF	19.5
0.233160	40.38	---	62.34	21.96	L1	OFF	19.5
0.251250	---	27.95	51.72	23.77	L1	OFF	19.5
0.251250	36.75	---	61.72	24.97	L1	OFF	19.5
0.298500	---	25.96	50.28	24.32	L1	OFF	19.5
0.298500	32.60	---	60.28	27.68	L1	OFF	19.5
0.498480	---	28.55	46.03	17.48	L1	OFF	19.5
0.498480	32.28	---	56.03	23.75	L1	OFF	19.5
3.140250	---	23.89	46.00	22.11	L1	OFF	19.7
3.140250	26.05	---	56.00	29.95	L1	OFF	19.7
13.560000	---	24.68	50.00	25.32	L1	OFF	20.1

13.560000	**26.98**	**---**	**60.00**	**33.02**	**L1**	**OFF**	**20.1**

EUT Information

Report NO :	082114
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	39.64	56.00	16.36	N	OFF	19.6
0.150000	54.63	---	66.00	11.37	N	OFF	19.6
0.166200	---	34.42	55.15	20.73	N	OFF	19.6
0.166200	48.21	---	65.15	16.94	N	OFF	19.6
0.189420	---	31.78	54.06	22.28	N	OFF	19.6
0.189420	44.34	---	64.06	19.72	N	OFF	19.6
0.205890	---	30.82	53.37	22.55	N	OFF	19.6
0.205890	43.76	---	63.37	19.61	N	OFF	19.6
0.226500	---	29.17	52.58	23.41	N	OFF	19.6
0.226500	39.82	---	62.58	22.76	N	OFF	19.6
0.246750	---	27.38	51.87	24.49	N	OFF	19.6
0.246750	36.54	---	61.87	25.33	N	OFF	19.6
0.495780	---	26.33	46.07	19.74	N	OFF	19.6
0.495780	29.57	---	56.07	26.50	N	OFF	19.6
4.522020	---	24.51	46.00	21.49	N	OFF	19.8
4.522020	26.54	---	56.00	29.46	N	OFF	19.8
13.560000	---	24.72	50.00	25.28	N	OFF	20.2
13.560000	26.92	---	60.00	33.08	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.5~24.2°C
		Relative Humidity :	44~57%

<Normal Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+5		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.12	64.67	-9.33	74	52.89	31.8	9.99	30.01	159	19	P	H
		5150	49.74	-4.26	54	37.95	31.8	10	30.01	159	19	A	H
	*	5180	112.13	-	-	100.49	31.62	10.03	30.01	159	19	P	H
	*	5180	104.62	-	-	92.98	31.62	10.03	30.01	159	19	A	H
		5148.46	61.93	-12.07	74	50.14	31.8	10	30.01	267	285	P	V
		5150	46.75	-7.25	54	34.96	31.8	10	30.01	267	285	A	V
	*	5180	110.86	-	-	99.22	31.62	10.03	30.01	267	285	P	V
	*	5180	102.15	-	-	90.51	31.62	10.03	30.01	267	285	A	V
													V
													V
802.11a CH 44 5220MHz		5149.76	54.91	-19.09	74	43.12	31.8	10	30.01	120	5	P	H
		5149.76	42.85	-11.15	54	31.06	31.8	10	30.01	120	5	A	H
	*	5220	113.81	-	-	102.37	31.38	10.07	30.01	120	5	P	H
	*	5220	105.49	-	-	94.05	31.38	10.07	30.01	120	5	A	H
		5429.2	51.67	-22.33	74	39.91	31.52	10.23	29.99	120	5	P	H
		5456.36	40.9	-13.1	54	29.03	31.6	10.26	29.99	120	5	A	H
		5144.56	53.75	-20.25	74	41.97	31.8	9.99	30.01	253	355	P	V
		5148.2	41.59	-12.41	54	29.8	31.8	10	30.01	253	355	A	V
	*	5220	110.04	-	-	98.6	31.38	10.07	30.01	253	355	P	V
	*	5220	101.54	-	-	90.1	31.38	10.07	30.01	253	355	A	V
		5405.12	52.2	-21.8	74	40.57	31.42	10.21	30	253	355	P	V
		5458.32	40.83	-13.17	54	28.96	31.6	10.26	29.99	253	355	A	V

802.11a CH 48 5240MHz		5139.1	52.16	-21.84	74	40.38	31.8	9.99	30.01	113	4	P	H
		5088.4	41.48	-12.52	54	29.78	31.78	9.93	30.01	113	4	A	H
	*	5240	113.63	-	-	102.3	31.26	10.08	30.01	113	4	P	H
	*	5240	105.58	-	-	94.25	31.26	10.08	30.01	113	4	A	H
		5453	51.96	-22.04	74	40.09	31.6	10.26	29.99	113	4	P	H
		5456.08	41.02	-12.98	54	29.15	31.6	10.26	29.99	113	4	A	H
		5118.82	53.05	-20.95	74	41.3	31.8	9.96	30.01	251	18	P	V
		5091.78	41.64	-12.36	54	29.93	31.78	9.94	30.01	251	18	A	V
	*	5240	110.38	-	-	99.05	31.26	10.08	30.01	251	18	P	V
	*	5240	102.23	-	-	90.9	31.26	10.08	30.01	251	18	A	V
		5460	51.38	-22.62	74	39.51	31.6	10.26	29.99	251	18	P	V
		5458.32	40.98	-13.02	54	29.11	31.6	10.26	29.99	251	18	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		6904	53.73	-14.47	68.2	65.47	34.81	12.47	59.02	100	0	P	H
		10360	50.56	-17.64	68.2	57.56	39.44	14.46	60.9	100	0	P	H
		15540	49.51	-24.49	74	57.11	37.82	17.29	62.71	100	0	P	H
													H
		6904	47.97	-20.23	68.2	59.71	34.81	12.47	59.02	100	0	P	V
		10360	48.22	-19.98	68.2	55.22	39.44	14.46	60.9	100	0	P	V
		15540	47.36	-26.64	74	54.96	37.82	17.29	62.71	100	0	P	V
													V
802.11a CH 44 5220MHz		6960	52.74	-15.46	68.2	64.33	34.94	12.48	59.01	100	0	P	H
		10440	49.33	-18.87	68.2	56.21	39.64	14.5	61.02	100	0	P	H
		15660	49.81	-24.19	74	57.06	37.52	17.36	62.13	100	0	P	H
													H
		6960	47.52	-20.68	68.2	59.11	34.94	12.48	59.01	100	0	P	V
		10440	48.13	-20.07	68.2	55.01	39.64	14.5	61.02	100	0	P	V
		15660	48.04	-25.96	74	55.29	37.52	17.36	62.13	100	0	P	V
													V
802.11a CH 48 5240MHz		6986	52.59	-15.61	68.2	64.07	35.04	12.48	59	100	0	P	H
		10480	50.59	-17.61	68.2	57.46	39.68	14.52	61.07	100	0	P	H
		15720	54.44	-19.56	74	61.54	37.34	17.4	61.84	100	31	P	H
		15720	43.75	-10.25	54	50.85	37.34	17.4	61.84	100	31	A	H
		6986	47.93	-20.27	68.2	59.41	35.04	12.48	59	100	0	P	V
		10480	47.98	-20.22	68.2	54.85	39.68	14.52	61.07	100	0	P	V
		15720	48.84	-25.16	74	55.94	37.34	17.4	61.84	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5146.12	65.41	-8.59	74	53.63	31.8	9.99	30.01	150	19	P	H
		5150	50.79	-3.21	54	39	31.8	10	30.01	150	19	A	H
	*	5180	113.68	-	-	102.04	31.62	10.03	30.01	150	19	P	H
	*	5180	103.6	-	-	91.96	31.62	10.03	30.01	150	19	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.2	60.69	-13.31	74	48.9	31.8	10	30.01	268	286	P	V
5180MHz		5150	47.21	-6.79	54	35.42	31.8	10	30.01	268	286	A	V
	*	5180	111.54	-	-	99.9	31.62	10.03	30.01	268	286	P	V
	*	5180	101.38	-	-	89.74	31.62	10.03	30.01	268	286	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5144.3	52.91	-21.09	74	41.13	31.8	9.99	30.01	100	53	P	H
		5115.7	41.74	-12.26	54	29.99	31.8	9.96	30.01	100	53	A	H
	*	5180	110.96	-	-	99.32	31.62	10.03	30.01	100	53	P	H
802.11ax	*	5180	102.37	-	-	90.73	31.62	10.03	30.01	100	53	A	H
HE20													H
Partial													H
106/53		5063.18	52.39	-21.61	74	40.77	31.73	9.91	30.02	297	274	P	V
CH 36		5115.96	41.31	-12.69	54	29.56	31.8	9.96	30.01	297	274	A	V
5180MHz	*	5180	110.18	-	-	98.54	31.62	10.03	30.01	297	274	P	V
	*	5180	100.95	-	-	89.31	31.62	10.03	30.01	297	274	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.72	66.09	-7.91	74	54.3	31.8	10	30.01	136	17	P	H
		5146.9	50.65	-3.35	54	38.87	31.8	9.99	30.01	136	17	A	H
	*	5190	110.91	-	-	99.32	31.56	10.04	30.01	136	17	P	H
	*	5190	100.35	-	-	88.76	31.56	10.04	30.01	136	17	A	H
		5447.12	51.85	-22.15	74	40	31.59	10.25	29.99	136	17	P	H
		5458.6	41.1	-12.9	54	29.23	31.6	10.26	29.99	136	17	A	H
		5147.94	60.6	-13.4	74	48.81	31.8	10	30.01	268	292	P	V
		5150	49.27	-4.73	54	37.48	31.8	10	30.01	268	292	A	V
	*	5190	107.81	-	-	96.22	31.56	10.04	30.01	268	292	P	V
	*	5190	100.06	-	-	88.47	31.56	10.04	30.01	268	292	A	V
		5456.08	52.17	-21.83	74	40.3	31.6	10.26	29.99	268	292	P	V
		5459.16	41	-13	54	29.13	31.6	10.26	29.99	268	292	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5147.68	69.55	-4.45	74	57.76	31.8	10	30.01	100	54	P	H
		5147.94	47.7	-6.3	54	35.91	31.8	10	30.01	100	54	A	H
	*	5190	108.93	-	-	97.34	31.56	10.04	30.01	100	54	P	H
	*	5190	99.65	-	-	88.06	31.56	10.04	30.01	100	54	A	H
		5424.44	51.71	-22.29	74	39.97	31.5	10.23	29.99	100	54	P	H
		5455.52	40.75	-13.25	54	28.88	31.6	10.26	29.99	100	54	A	H
		5145.34	64.57	-9.43	74	52.79	31.8	9.99	30.01	300	337	P	V
		5148.2	44.53	-9.47	54	32.74	31.8	10	30.01	300	337	A	V
	*	5190	108.26	-	-	96.67	31.56	10.04	30.01	300	337	P	V
	*	5190	97.43	-	-	85.84	31.56	10.04	30.01	300	337	A	V
		5438.16	52.1	-21.9	74	40.3	31.55	10.24	29.99	300	337	P	V
		5460	40.74	-13.26	54	28.87	31.6	10.26	29.99	300	337	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5141.44	61.81	-12.19	74	50.03	31.8	9.99	30.01	126	5	P	H
		5150	51.49	-2.51	54	39.7	31.8	10	30.01	126	5	A	H
	*	5210	106.81	-	-	95.32	31.44	10.06	30.01	126	5	P	H
	*	5210	97.06	-	-	85.57	31.44	10.06	30.01	126	5	A	H
		5430.6	53.11	-20.89	74	41.34	31.52	10.24	29.99	126	5	P	H
		5350.24	42.52	-11.48	54	31.25	31.1	10.17	30	126	5	A	H
		5149.24	60.64	-13.36	74	48.85	31.8	10	30.01	264	299	P	V
		5149.76	50.19	-3.81	54	38.4	31.8	10	30.01	264	299	A	V
	*	5210	105.11	36.91	68.2	93.62	31.44	10.06	30.01	264	299	P	V
	*	5210	94.37	40.37	54	82.88	31.44	10.06	30.01	264	299	A	V
		5365.92	52.09	-21.91	74	40.71	31.2	10.18	30	264	299	P	V
		5457.76	41.04	-12.96	54	29.17	31.6	10.26	29.99	264	299	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/665 CH 42 5210MHz		5145.34	63.17	-10.83	74	51.39	31.8	9.99	30.01	100	52	P	H
		5150	51.37	-2.63	54	39.58	31.8	10	30.01	100	52	A	H
	*	5210	105.07	-	-	93.58	31.44	10.06	30.01	100	52	P	H
	*	5210	95.6	-	-	84.11	31.44	10.06	30.01	100	52	A	H
		5438.72	52.17	-21.83	74	40.37	31.55	10.24	29.99	100	52	P	H
		5459.44	40.85	-13.15	54	28.98	31.6	10.26	29.99	100	52	A	H
		5149.76	58.47	-15.53	74	46.68	31.8	10	30.01	282	332	P	V
		5150.02	47.27	-102.73	150	35.48	31.8	10	30.01	282	332	A	V
	*	5210	102.52	-	-	91.03	31.44	10.06	30.01	282	332	P	V
	*	5210	93.09	-	-	81.6	31.44	10.06	30.01	282	332	A	V
		5455.24	51.8	-22.2	74	39.93	31.6	10.26	29.99	282	332	P	V
		5452.44	40.72	-13.28	54	28.86	31.6	10.25	29.99	282	332	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5120.9	58.98	-15.02	74	47.22	31.8	9.97	30.01	100	9	P	H
		5120.38	48.24	-5.76	54	36.48	31.8	9.97	30.01	100	9	A	H
	*	5250	99.32	-	-	88.04	31.2	10.09	30.01	100	9	P	H
	*	5250	90.11	-	-	78.83	31.2	10.09	30.01	100	9	A	H
		5363.68	60.57	-13.43	74	49.21	31.18	10.18	30	100	9	P	H
		5375.16	50.82	-3.18	54	39.38	31.25	10.19	30	100	9	A	H
		5113.88	57.88	-16.12	74	46.13	31.8	9.96	30.01	253	7	P	V
		5100.62	46.61	-7.39	54	34.87	31.8	9.95	30.01	253	7	A	V
	*	5250	96.53	-	-	85.25	31.2	10.09	30.01	253	7	P	V
	*	5250	86.31	-	-	75.03	31.2	10.09	30.01	253	7	A	V
		5371.52	54.46	-19.54	74	43.04	31.23	10.19	30	253	7	P	V
		5352.2	43.94	-10.06	54	32.66	31.11	10.17	30	253	7	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5127.92	62.73	-11.27	74	50.97	31.8	9.97	30.01	100	50	P	H
		5118.82	51.95	-2.05	54	40.2	31.8	9.96	30.01	100	50	A	H
	*	5250	97.32	-	-	86.04	31.2	10.09	30.01	100	50	P	H
802.11ax	*	5250	88.76	-	-	77.48	31.2	10.09	30.01	100	50	A	H
HE160		5394.48	55.25	-18.75	74	43.67	31.37	10.21	30	100	50	P	H
Partial		5398.4	46.17	-7.83	54	34.57	31.39	10.21	30	100	50	A	H
996/67		5123.76	62.42	-11.58	74	50.66	31.8	9.97	30.01	282	296	P	V
CH 50		5118.56	50.69	-3.31	54	38.94	31.8	9.96	30.01	282	296	A	V
5250MHz	*	5250	94.72	-	-	83.44	31.2	10.09	30.01	282	296	P	V
	*	5250	85.66	-	-	74.38	31.2	10.09	30.01	282	296	A	V
		5397	49.6	-24.4	74	38.01	31.38	10.21	30	282	296	P	V
		5398.68	41.58	-12.42	54	29.98	31.39	10.21	30	282	296	A	V
		5124.02	61.25	-12.75	74	49.49	31.8	9.97	30.01	100	51	P	H
		5123.5	50.42	-3.58	54	38.66	31.8	9.97	30.01	100	51	A	H
	*	5250	97.17	-	-	85.89	31.2	10.09	30.01	100	51	P	H
802.11ax	*	5250	88.6	-	-	77.32	31.2	10.09	30.01	100	51	A	H
HE160		5404	51.84	-22.16	74	40.21	31.42	10.21	30	100	51	P	H
Partial		5398.4	45.05	-8.95	54	33.45	31.39	10.21	30	100	51	A	H
996/S67		5118.82	60.68	-13.32	74	48.93	31.8	9.96	30.01	250	360	P	V
CH 50		5124.02	50.09	-3.91	54	38.33	31.8	9.97	30.01	250	360	A	V
5250MHz	*	5250	93	-	-	81.72	31.2	10.09	30.01	250	360	P	V
	*	5250	84.98	-	-	73.7	31.2	10.09	30.01	250	360	A	V
		5449.36	50.05	-23.95	74	38.19	31.6	10.25	29.99	250	360	P	V
		5398.4	41.5	-12.5	54	29.9	31.39	10.21	30	250	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5100.98	52.05	-21.95	74	40.31	31.8	9.95	30.01	115	17	P	H
		5104.72	41.83	-12.17	54	30.09	31.8	9.95	30.01	115	17	A	H
	*	5260	113.85	-	-	102.55	31.2	10.1	30	115	17	P	H
	*	5260	105.42	-	-	94.12	31.2	10.1	30	115	17	A	H
		5378.4	52.08	-21.92	74	40.62	31.27	10.19	30	115	17	P	H
		5458.8	41.13	-12.87	54	29.26	31.6	10.26	29.99	115	17	A	H
		5098.26	52.06	-21.94	74	40.33	31.8	9.94	30.01	287	314	P	V
		5105.74	41.79	-12.21	54	30.05	31.8	9.95	30.01	287	314	A	V
	*	5260	111.18	-	-	99.88	31.2	10.1	30	287	314	P	V
	*	5260	102.4	-	-	91.1	31.2	10.1	30	287	314	A	V
		5449.92	51.59	-22.41	74	39.73	31.6	10.25	29.99	287	314	P	V
		5458.56	41.02	-12.98	54	29.15	31.6	10.26	29.99	287	314	A	V
802.11a CH 60 5300MHz		5143.82	51.7	-22.3	74	39.92	31.8	9.99	30.01	110	18	P	H
		5144.16	41.58	-12.42	54	29.8	31.8	9.99	30.01	110	18	A	H
	*	5300	113.57	-	-	102.24	31.2	10.13	30	110	18	P	H
	*	5300	105.11	-	-	93.78	31.2	10.13	30	110	18	A	H
		5354.64	56.38	-17.62	74	45.08	31.13	10.17	30	110	18	P	H
		5350.08	44.27	-9.73	54	33	31.1	10.17	30	110	18	A	H
		5139.74	52.31	-21.69	74	40.53	31.8	9.99	30.01	300	317	P	V
		5145.52	41.53	-12.47	54	29.75	31.8	9.99	30.01	300	317	A	V
	*	5300	109.79	-	-	98.46	31.2	10.13	30	300	317	P	V
	*	5300	101.06	-	-	89.73	31.2	10.13	30	300	317	A	V
		5357.52	52.56	-21.44	74	41.23	31.15	10.18	30	300	317	P	V
		5350.08	41.78	-12.22	54	30.51	31.1	10.17	30	300	317	A	V

802.11a CH 64 5320MHz	*	5320	113.06	-	-	101.75	31.16	10.15	30	113	18	P	H
	*	5320	104.64	-	-	93.33	31.16	10.15	30	113	18	A	H
		5351.68	62.26	-11.74	74	50.98	31.11	10.17	30	113	18	P	H
		5350.08	48.58	-5.42	54	37.31	31.1	10.17	30	113	18	A	H
													H
													H
	*	5320	108.17	-	-	96.86	31.16	10.15	30	301	34	P	V
	*	5320	99.84	-	-	88.53	31.16	10.15	30	301	34	A	V
		5350.24	58.13	-15.87	74	46.86	31.1	10.17	30	301	34	P	V
		5350.08	44.06	-9.94	54	32.79	31.1	10.17	30	301	34	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		7013	53.57	-14.63	68.2	64.91	35.15	12.49	58.98	100	0	P	H
		10520	50.2	-18	68.2	57.06	39.7	14.54	61.1	100	0	P	H
		15780	49.37	-24.63	74	56.33	37.16	17.44	61.56	100	0	P	H
													H
		7013	49.02	-19.18	68.2	60.36	35.15	12.49	58.98	100	0	P	V
		10520	46.86	-21.34	68.2	53.72	39.7	14.54	61.1	100	0	P	V
		15780	48.06	-25.94	74	55.02	37.16	17.44	61.56	100	0	P	V
													V
802.11a CH 60 5300MHz		7066	52.71	-15.49	68.2	63.69	35.4	12.53	58.91	100	0	P	H
		10600	53.33	-20.67	74	60.15	39.7	14.58	61.1	100	2	P	H
		10600	43.86	-10.14	54	50.68	39.7	14.58	61.1	100	2	A	H
		15900	49.32	-24.68	74	55.6	37.2	17.5	60.98	100	0	P	H
		7066	48.03	-20.17	68.2	59.01	35.4	12.53	58.91	100	0	P	V
		10600	47.34	-26.66	74	54.16	39.7	14.58	61.1	100	0	P	V
		15900	48.52	-25.48	74	54.8	37.2	17.5	60.98	100	0	P	V
													V
802.11a CH 64 5320MHz		7093	51.51	-16.69	68.2	62.27	35.56	12.55	58.87	100	0	P	H
		10640	54.22	-19.78	74	60.94	39.78	14.6	61.1	100	7	P	H
		10640	43.48	-10.52	54	50.2	39.78	14.6	61.1	100	7	A	H
		15960	46.39	-27.61	74	52.28	37.26	17.54	60.69	100	0	P	H
		7093	47.91	-20.29	68.2	58.67	35.56	12.55	58.87	100	0	P	V
		10640	49.01	-24.99	74	55.73	39.78	14.6	61.1	100	0	P	V
		15960	48.02	-25.98	74	53.91	37.26	17.54	60.69	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	113.84	-	-	102.53	31.16	10.15	30	100	4	P	H
	*	5320	103.32	-	-	92.01	31.16	10.15	30	100	4	A	H
		5355.68	68.36	-5.64	74	57.06	31.13	10.17	30	100	4	P	H
		5350.24	48.73	-5.27	54	37.46	31.1	10.17	30	100	4	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	110.04	-	-	98.73	31.16	10.15	30	250	22	P	V
5320MHz	*	5320	100.06	-	-	88.75	31.16	10.15	30	250	22	A	V
		5356.16	60.33	-13.67	74	49.02	31.14	10.17	30	250	22	P	V
		5350.08	44.99	-9.01	54	33.72	31.1	10.17	30	250	22	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	112.84	-	-	101.53	31.16	10.15	30	100	10	P	H
	*	5320	102.73	-	-	91.42	31.16	10.15	30	100	10	A	H
		5350.56	52.66	-21.34	74	41.39	31.1	10.17	30	100	10	P	H
802.11ax		5365.76	41.55	-12.45	54	30.18	31.19	10.18	30	100	10	A	H
HE20													H
Partial													H
106/54	*	5320	109.47	-	-	98.16	31.16	10.15	30	299	336	P	V
CH 64	*	5320	99.76	-	-	88.45	31.16	10.15	30	299	336	A	V
5320MHz		5364.48	51.53	-22.47	74	40.16	31.19	10.18	30	299	336	P	V
		5364.8	40.74	-13.26	54	29.37	31.19	10.18	30	299	336	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5101.32	52.19	-21.81	74	40.45	31.8	9.95	30.01	100	3	P	H
		5142.12	41.59	-12.41	54	29.81	31.8	9.99	30.01	100	3	A	H
	*	5310	111.18	-	-	99.86	31.18	10.14	30	100	3	P	H
	*	5310	99.95	-	-	88.63	31.18	10.14	30	100	3	A	H
802.11ax		5352.24	66.85	-7.15	74	55.57	31.11	10.17	30	100	3	P	H
HE40 Full		5351.76	51.08	-2.92	54	39.8	31.11	10.17	30	100	3	A	H
CH 62		5136.68	52.16	-21.84	74	40.39	31.8	9.98	30.01	254	21	P	V
5310MHz		5149.94	41.65	-12.35	54	29.86	31.8	10	30.01	254	21	A	V
	*	5310	108.41	-	-	97.09	31.18	10.14	30	254	21	P	V
	*	5310	97.03	-	-	85.71	31.18	10.14	30	254	21	A	V
		5350.8	59.72	-14.28	74	48.45	31.1	10.17	30	254	21	P	V
		5350.08	48.09	-5.91	54	36.82	31.1	10.17	30	254	21	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5061.2	50.49	-23.51	74	38.89	31.72	9.9	30.02	100	9	P	H
		5105.06	40.82	-13.18	54	29.08	31.8	9.95	30.01	100	9	A	H
	*	5310	111.38	-	-	100.06	31.18	10.14	30	100	9	P	H
	*	5310	100.71	-	-	89.39	31.18	10.14	30	100	9	A	H
		5351.76	69.45	-4.55	74	58.17	31.11	10.17	30	100	9	P	H
		5351.76	46.73	-7.27	54	35.45	31.11	10.17	30	100	9	A	H
		5131.92	51.77	-22.23	74	40	31.8	9.98	30.01	297	335	P	V
		5103.36	40.83	-13.17	54	29.09	31.8	9.95	30.01	297	335	A	V
	*	5310	108.67	-	-	97.35	31.18	10.14	30	297	335	P	V
	*	5310	97.75	-	-	86.43	31.18	10.14	30	297	335	A	V
		5351.52	63.12	-10.88	74	51.84	31.11	10.17	30	297	335	P	V
		5352	42.64	-11.36	54	31.36	31.11	10.17	30	297	335	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5147.22	52.32	-21.68	74	40.54	31.8	9.99	30.01	100	3	P	H
		5147.22	42.69	-11.31	54	30.91	31.8	9.99	30.01	100	3	A	H
	*	5290	106.31	-	-	94.99	31.2	10.12	30	100	3	P	H
	*	5290	96.42	-	-	85.1	31.2	10.12	30	100	3	A	H
		5356.32	61.77	-12.23	74	50.45	31.14	10.18	30	100	3	P	H
		5355.6	52.25	-1.75	54	40.95	31.13	10.17	30	100	3	A	H
		5108.46	54.33	-19.67	74	42.59	31.8	9.95	30.01	256	22	P	V
		5144.84	43.59	-10.41	54	31.81	31.8	9.99	30.01	256	22	A	V
	*	5290	102.78	-	-	91.46	31.2	10.12	30	256	22	P	V
	*	5290	92.66	-	-	81.34	31.2	10.12	30	256	22	A	V
		5355.12	57.99	-16.01	74	46.69	31.13	10.17	30	256	22	P	V
		5354.64	47.36	-6.64	54	36.06	31.13	10.17	30	256	22	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/64 CH 58 5290MHz		5107.44	51.93	-22.07	74	40.19	31.8	9.95	30.01	100	53	P	H
		5120.02	41.51	-12.49	54	29.75	31.8	9.97	30.01	100	53	A	H
	*	5290	108.31	-	-	96.99	31.2	10.12	30	100	53	P	H
	*	5290	97.11	-	-	85.79	31.2	10.12	30	100	53	A	H
		5368.08	66.8	-7.2	74	55.41	31.21	10.18	30	100	53	P	H
		5350.08	48.59	-5.41	54	37.32	31.1	10.17	30	100	53	A	H
		5144.16	53.15	-20.85	74	41.37	31.8	9.99	30.01	302	335	P	V
		5130.22	41.1	-12.9	54	29.33	31.8	9.98	30.01	302	335	A	V
	*	5290	103.29	-	-	91.97	31.2	10.12	30	302	335	P	V
	*	5290	95.31	-	-	83.99	31.2	10.12	30	302	335	A	V
		5378.64	61.91	-12.09	74	50.45	31.27	10.19	30	302	335	P	V
		5350.8	44.48	-9.52	54	33.21	31.1	10.17	30	302	335	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5456.08	57.13	-16.87	74	45.26	31.6	10.26	29.99	100	42	P	H
		5466.16	59.51	-8.69	68.2	47.63	31.6	10.27	29.99	100	42	P	H
		5460	44.84	-9.16	54	32.97	31.6	10.26	29.99	100	42	A	H
	*	5500	111.25	-	-	99.34	31.6	10.3	29.99	100	42	P	H
	*	5500	102.18	-	-	90.27	31.6	10.3	29.99	100	42	A	H
													H
		5456.88	52.6	-21.4	74	40.73	31.6	10.26	29.99	298	350	P	V
		5466	53.06	-15.14	68.2	41.18	31.6	10.27	29.99	298	350	P	V
		5456.56	41.71	-12.29	54	29.84	31.6	10.26	29.99	298	350	A	V
	*	5500	104.77	-	-	92.86	31.6	10.3	29.99	298	350	P	V
	*	5500	96.68	-	-	84.77	31.6	10.3	29.99	298	350	A	V
													V
802.11a CH 116 5580MHz		5424.16	51.76	-22.24	74	40.02	31.5	10.23	29.99	100	42	P	H
		5465.92	51.36	-16.84	68.2	39.48	31.6	10.27	29.99	100	42	P	H
		5427.52	41.19	-12.81	54	29.44	31.51	10.23	29.99	100	42	A	H
	*	5580	110.77	-	-	98.9	31.56	10.36	30.05	100	42	P	H
	*	5580	102.45	-	-	90.58	31.56	10.36	30.05	100	42	A	H
		5754.605	52.28	-15.92	68.2	40.1	31.8	10.55	30.17	100	42	P	H
		5448.64	51.56	-22.44	74	39.71	31.59	10.25	29.99	302	345	P	V
		5466.88	51.37	-16.83	68.2	39.49	31.6	10.27	29.99	302	345	P	V
		5456.8	40.67	-13.33	54	28.8	31.6	10.26	29.99	302	345	A	V
	*	5580	105.2	-	-	93.33	31.56	10.36	30.05	302	345	P	V
	*	5580	96.89	-	-	85.02	31.56	10.36	30.05	302	345	A	V
		5735.39	51.37	-16.83	68.2	39.23	31.77	10.53	30.16	302	345	P	V

802.11a CH 140 5700MHz	*	5700	110.62	-	-	98.56	31.7	10.49	30.13	100	42	P	H
	*	5700	102.74	-	-	90.68	31.7	10.49	30.13	100	42	A	H
		5725.56	65.15	-3.05	68.2	53.03	31.75	10.52	30.15	100	42	P	H
													H
													H
													H
	*	5700	106.25	-	-	94.19	31.7	10.49	30.13	289	358	P	V
	*	5700	98.03	-	-	85.97	31.7	10.49	30.13	289	358	A	V
		5725.96	59.77	-8.43	68.2	47.65	31.75	10.52	30.15	289	358	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		7333	47.69	-26.31	74	57.3	36.3	12.62	58.53	100	0	P	H
		11000	54.33	-19.67	74	60.24	40.4	14.79	61.1	100	20	P	H
		11000	41.05	-12.95	54	46.96	40.4	14.79	61.1	100	20	A	H
		16500	49.96	-18.24	68.2	52.52	38.9	17.94	59.4	100	0	P	H
		7333	46.05	-27.95	74	55.66	36.3	12.62	58.53	100	0	P	V
		11000	49.95	-24.05	74	55.86	40.4	14.79	61.1	100	0	P	V
		16500	49.86	-18.34	68.2	52.42	38.9	17.94	59.4	100	0	P	V
													V
802.11a CH 116 5580MHz		7440	48.55	-25.45	74	57.98	36.3	12.65	58.38	100	0	P	H
		11160	54.57	-19.43	74	60.78	39.96	14.87	61.04	100	20	P	H
		11160	44.47	-9.53	54	50.68	39.96	14.87	61.04	100	20	A	H
		16740	50.2	-18	68.2	51.4	39.94	18.12	59.26	100	0	P	H
		7440	45.99	-28.01	74	55.42	36.3	12.65	58.38	100	0	P	V
		11160	49.86	-24.14	74	56.07	39.96	14.87	61.04	100	0	P	V
		16740	50.86	-17.34	68.2	52.06	39.94	18.12	59.26	100	0	P	V
													V
802.11a CH 140 5700MHz		7600	48.11	-25.89	74	57.34	36.2	12.75	58.18	100	0	P	H
		11400	57.6	-16.4	74	63.55	40	14.99	60.94	123	27	P	H
		11400	47.47	-6.53	54	53.42	40	14.99	60.94	123	27	A	H
		17100	50.47	-17.73	68.2	50.47	40.6	18.38	58.98	100	0	P	H
		7600	47.46	-26.54	74	56.69	36.2	12.75	58.18	100	0	P	V
		11400	54.92	-19.08	74	60.87	40	14.99	60.94	200	322	P	V
		11400	43.99	-10.01	54	49.94	40	14.99	60.94	200	322	A	V
		17100	50.32	-17.88	68.2	50.32	40.6	18.38	58.98	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.24	58.01	-15.99	74	46.15	31.6	10.25	29.99	219	16	P	H
		5468.56	64.72	-3.48	68.2	52.84	31.6	10.27	29.99	219	16	P	H
		5460	44.07	-9.93	54	32.2	31.6	10.26	29.99	219	16	A	H
	*	5500	113.35	-	-	101.44	31.6	10.3	29.99	219	16	P	H
802.11ax	*	5500	102.78	-	-	90.87	31.6	10.3	29.99	219	16	A	H
HE20 Full													H
CH 100		5445.68	52.55	-21.45	74	40.71	31.58	10.25	29.99	305	346	P	V
5500MHz		5462.32	58.18	-10.02	68.2	46.31	31.6	10.26	29.99	305	346	P	V
		5460.08	42.08	-107.92	150	30.21	31.6	10.26	29.99	305	346	A	V
	*	5500	109.19	-	-	97.28	31.6	10.3	29.99	305	346	P	V
	*	5500	97.77	-	-	85.86	31.6	10.3	29.99	305	346	A	V
													V
	*	5700	112.36	-	-	100.3	31.7	10.49	30.13	203	12	P	H
	*	5700	101	-	-	88.94	31.7	10.49	30.13	203	12	A	H
		5726.36	64.23	-3.97	68.2	52.11	31.75	10.52	30.15	203	12	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	107.91	-	-	95.85	31.7	10.49	30.13	298	359	P	V
5700MHz	*	5700	97.45	-	-	85.39	31.7	10.49	30.13	298	359	A	V
		5729.56	56.02	-12.18	68.2	43.9	31.76	10.52	30.16	298	359	P	V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5444.4	51.85	-22.15	74	40.01	31.58	10.25	29.99	100	3	P	H
		5466.16	51.74	-16.46	68.2	39.86	31.6	10.27	29.99	100	3	P	H
		5442.16	42.1	-11.9	54	30.27	31.57	10.25	29.99	100	3	A	H
802.11ax	*	5500	111.15	-	-	99.24	31.6	10.3	29.99	100	3	P	H
HE20	*	5500	101.96	-	-	90.05	31.6	10.3	29.99	100	3	A	H
Partial													H
106/53		5441.84	51.86	-22.14	74	40.03	31.57	10.25	29.99	291	342	P	V
CH 100		5465.2	51.38	-16.82	68.2	39.5	31.6	10.27	29.99	291	342	P	V
5500MHz		5442.96	41.07	-12.93	54	29.24	31.57	10.25	29.99	291	342	A	V
	*	5500	107.37	-	-	95.46	31.6	10.3	29.99	291	342	P	V
	*	5500	98.12	-	-	86.21	31.6	10.3	29.99	291	342	A	V
													V
	*	5700	110.06	-	-	98	31.7	10.49	30.13	100	3	P	H
	*	5700	100.37	-	-	88.31	31.7	10.49	30.13	100	3	A	H
		5726.76	59.3	-8.9	68.2	47.18	31.75	10.52	30.15	100	3	P	H
802.11ax													H
HE20													H
Partial													H
106/54	*	5700	106.73	-	-	94.67	31.7	10.49	30.13	259	9	P	V
CH 140	*	5700	97.08	-	-	85.02	31.7	10.49	30.13	259	9	A	V
5700MHz		5727.32	56.54	-11.66	68.2	44.42	31.75	10.52	30.15	259	9	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.68	64.31	-9.69	74	52.44	31.6	10.26	29.99	213	16	P	H
		5465.2	65.98	-2.22	68.2	54.1	31.6	10.27	29.99	213	16	P	H
		5459.68	45.84	-8.16	54	33.97	31.6	10.26	29.99	213	16	A	H
	*	5510	110.78	-	-	98.9	31.58	10.3	30	213	16	P	H
802.11ax	*	5510	100.04	-	-	88.16	31.58	10.3	30	213	16	A	H
HE40 Full		5760.275	52.28	-15.92	68.2	40.1	31.8	10.56	30.18	213	16	P	H
CH 102		5455.6	52.93	-21.07	74	41.06	31.6	10.26	29.99	303	345	P	V
5510MHz		5465.68	55.49	-12.71	68.2	43.61	31.6	10.27	29.99	303	345	P	V
		5457.76	42.54	-11.46	54	30.67	31.6	10.26	29.99	303	345	A	V
	*	5510	105.27	-	-	93.39	31.58	10.3	30	303	345	P	V
	*	5510	94.46	-	-	82.58	31.58	10.3	30	303	345	A	V
		5731.61	50.48	-17.72	68.2	38.36	31.76	10.52	30.16	303	345	P	V
		5399	51.57	-22.43	74	39.97	31.39	10.21	30	215	13	P	H
		5462	51.54	-16.66	68.2	39.67	31.6	10.26	29.99	215	13	P	H
		5459.9	40.75	-13.25	54	28.88	31.6	10.26	29.99	215	13	A	H
	*	5670	109.7	-	-	97.65	31.7	10.46	30.11	215	13	P	H
802.11ax	*	5670	98.7	-	-	86.65	31.7	10.46	30.11	215	13	A	H
HE40 Full		5725	61.73	-6.47	68.2	49.61	31.75	10.52	30.15	215	13	P	H
CH 134		5446.25	50.84	-23.16	74	38.99	31.59	10.25	29.99	299	359	P	V
5670MHz		5467.6	51.81	-16.39	68.2	39.93	31.6	10.27	29.99	299	359	P	V
		5459.2	40.61	-13.39	54	28.74	31.6	10.26	29.99	299	359	A	V
	*	5670	103.24	-	-	91.19	31.7	10.46	30.11	299	359	P	V
	*	5670	95.43	-	-	83.38	31.7	10.46	30.11	299	359	P	V
		5725.8	57.13	-11.07	68.2	45.01	31.75	10.52	30.15	299	359	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.28	57.65	-16.35	74	45.78	31.6	10.26	29.99	100	3	P	H
		5468.08	65.33	-2.87	68.2	53.45	31.6	10.27	29.99	100	3	P	H
		5452.48	42.05	-11.95	54	30.19	31.6	10.25	29.99	100	3	A	H
802.11ax	*	5510	107.97	-	-	96.09	31.58	10.3	30	100	3	P	H
HE40	*	5510	98.48	-	-	86.6	31.58	10.3	30	100	3	A	H
Partial		5731.295	51.79	-16.41	68.2	39.67	31.76	10.52	30.16	100	3	P	H
242/61		5456.56	53.61	-20.39	74	41.74	31.6	10.26	29.99	248	334	P	V
CH 102		5468.08	58.96	-9.24	68.2	47.08	31.6	10.27	29.99	248	334	P	V
5510MHz		5454.88	41.05	-12.95	54	29.18	31.6	10.26	29.99	248	334	A	V
	*	5510	103.76	-	-	91.88	31.58	10.3	30	248	334	P	V
	*	5510	93.8	-	-	81.92	31.58	10.3	30	248	334	A	V
		5745.785	51.58	-16.62	68.2	39.42	31.79	10.54	30.17	248	334	P	V
		5351.05	52.1	-21.9	74	40.82	31.11	10.17	30	100	2	P	H
		5460.6	50.94	-17.26	68.2	39.07	31.6	10.26	29.99	100	2	P	H
		5453.25	40.9	-13.1	54	29.03	31.6	10.26	29.99	100	2	A	H
802.11ax	*	5670	108.15	-	-	96.1	31.7	10.46	30.11	100	2	P	H
HE40	*	5670	98.6	-	-	86.55	31.7	10.46	30.11	100	2	A	H
Partial		5727.55	58.92	-9.28	68.2	46.79	31.76	10.52	30.15	100	2	P	H
242/62		5418.6	51.33	-22.67	74	39.62	31.47	10.23	29.99	249	9	P	V
CH 134		5461.3	50.71	-17.49	68.2	38.84	31.6	10.26	29.99	249	9	P	V
5670MHz		5455.35	40.75	-13.25	54	28.88	31.6	10.26	29.99	249	9	A	V
	*	5670	104.38	-	-	92.33	31.7	10.46	30.11	249	9	P	V
	*	5670	94.92	-	-	82.87	31.7	10.46	30.11	249	9	A	V
		5725	56.39	-11.81	68.2	44.27	31.75	10.52	30.15	249	9	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.48	65	-9	74	53.13	31.6	10.26	29.99	211	15	P	H
		5470	66.11	-2.09	68.2	54.23	31.6	10.27	29.99	211	15	P	H
		5459.92	47.63	-6.37	54	35.76	31.6	10.26	29.99	211	15	A	H
	*	5530	107.38	-	-	95.53	31.54	10.32	30.01	211	15	P	H
802.11ax	*	5530	96.65	-	-	84.8	31.54	10.32	30.01	211	15	A	H
HE80 Full		5741.06	51.81	-16.39	68.2	39.65	31.78	10.54	30.16	211	15	P	H
CH 106		5454.64	58.77	-15.23	74	46.9	31.6	10.26	29.99	302	346	P	V
5530MHz		5466.64	59.21	-8.99	68.2	47.33	31.6	10.27	29.99	302	346	P	V
		5455.84	43.74	-10.26	54	31.87	31.6	10.26	29.99	302	346	A	V
	*	5530	101.14	-	-	89.29	31.54	10.32	30.01	302	346	P	V
	*	5530	91.18	-	-	79.33	31.54	10.32	30.01	302	346	A	V
		5733.185	50.4	-17.8	68.2	38.26	31.77	10.53	30.16	302	346	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		5458.48	61.49	-12.51	74	49.62	31.6	10.26	29.99	100	14	P	H
		5469.28	65.15	-3.05	68.2	53.27	31.6	10.27	29.99	100	14	P	H
		5459.92	43.71	-10.29	54	31.84	31.6	10.26	29.99	100	14	A	H
	*	5530	104.35	-	-	92.5	31.54	10.32	30.01	100	14	P	H
	*	5530	94.95	-	-	83.1	31.54	10.32	30.01	100	14	A	H
		5734.13	51.52	-16.68	68.2	39.38	31.77	10.53	30.16	100	14	P	H
		5458.48	60.03	-13.97	74	48.16	31.6	10.26	29.99	295	336	P	V
		5467.84	63.12	-5.08	68.2	51.24	31.6	10.27	29.99	295	336	P	V
		5459.92	42.62	-11.38	54	30.75	31.6	10.26	29.99	295	336	A	V
	*	5530	102.55	-	-	90.7	31.54	10.32	30.01	295	336	P	V
	*	5530	93.25	-	-	81.4	31.54	10.32	30.01	295	336	A	V
		5728.145	52.15	-16.05	68.2	40.02	31.76	10.52	30.15	295	336	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5415.04	61.92	-12.08	74	50.24	31.46	10.22	30	100	50	P	H
		5464.48	59.25	-8.95	68.2	47.38	31.6	10.26	29.99	100	50	P	H
		5431.84	48.86	-5.14	54	37.08	31.53	10.24	29.99	100	50	A	H
	*	5570	98.02	-	-	86.17	31.54	10.35	30.04	100	50	P	H
802.11ax	*	5570	87.61	-	-	75.76	31.54	10.35	30.04	100	50	A	H
HE160 Full		5742.005	53.28	-14.92	68.2	41.12	31.78	10.54	30.16	100	50	P	H
CH 114		5457.28	57.66	-16.34	74	45.79	31.6	10.26	29.99	190	355	P	V
5570MHz		5468.8	57.85	-10.35	68.2	45.97	31.6	10.27	29.99	190	355	P	V
		5459.44	45.84	-8.16	54	33.97	31.6	10.26	29.99	190	355	A	V
	*	5570	511.85	-	-	500	31.54	10.35	30.04	190	355	P	V
	*	5570	86.09	-	-	74.24	31.54	10.35	30.04	190	355	A	V
		5732.555	56.8	-11.4	68.2	44.66	31.77	10.53	30.16	190	355	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5445.31	63.22	-10.78	74	51.38	31.58	10.25	29.99	100	49	P	H
		5459.89	58.25	-15.75	74	46.38	31.6	10.26	29.99	100	49	P	H
		5445.31	51	-3	54	39.16	31.58	10.25	29.99	100	49	A	H
802.11ax	*	5570	96.5	-	-	84.65	31.54	10.35	30.04	100	49	P	H
HE160	*	5570	88.48	-	-	76.63	31.54	10.35	30.04	100	49	A	H
Partial		5728.145	53.65	-14.55	68.2	41.52	31.76	10.52	30.15	100	49	P	H
996/67		5441.53	55.27	-18.73	74	43.44	31.57	10.25	29.99	263	346	P	V
CH 114		5462.32	54.09	-14.11	68.2	42.22	31.6	10.26	29.99	263	346	P	V
5570MHz		5441.26	45.55	-8.45	54	33.72	31.57	10.25	29.99	263	346	A	V
	*	5570	92.79	-	-	80.94	31.54	10.35	30.04	263	346	P	V
	*	5570	84.68	-	-	72.83	31.54	10.35	30.04	263	346	A	V
		5726.57	50.85	-17.35	68.2	38.73	31.75	10.52	30.15	263	346	P	V
		5445.31	63.09	-10.91	74	51.25	31.58	10.25	29.99	100	49	P	H
		5465.02	56.88	-11.32	68.2	45	31.6	10.27	29.99	100	49	P	H
		5445.31	51.24	-2.76	54	39.4	31.58	10.25	29.99	100	49	A	H
802.11ax	*	5570	95.07	-	-	83.22	31.54	10.35	30.04	100	49	P	H
HE160	*	5570	86.39	-	-	74.54	31.54	10.35	30.04	100	49	A	H
Partial		5727.83	53.49	-14.71	68.2	41.36	31.76	10.52	30.15	100	49	P	H
996/S67		5437.21	55.2	-18.8	74	43.4	31.55	10.24	29.99	264	355	P	V
CH 114		5467.99	52.59	-15.61	68.2	40.71	31.6	10.27	29.99	264	355	P	V
5570MHz		5437.21	44.79	-9.21	54	32.99	31.55	10.24	29.99	264	355	A	V
	*	5570	93.47	-	-	81.62	31.54	10.35	30.04	264	355	P	V
	*	5570	83.84	-	-	71.99	31.54	10.35	30.04	264	355	A	V
		5728.145	51.52	-16.68	68.2	39.39	31.76	10.52	30.15	264	355	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		48.43	24.57	-15.43	40	40.65	15.39	0.9	32.37	-	-	P	H
		94.02	26.73	-16.77	43.5	42.22	15.44	1.37	32.3	-	-	P	H
		140.58	27.46	-16.04	43.5	40.8	17.49	1.69	32.52	-	-	P	H
		264.74	27.66	-18.34	46	38.19	19.59	2.32	32.44	-	-	P	H
		733.25	38.24	-7.76	46	39.51	27.49	3.68	32.44	-	-	P	H
		897.18	38.39	-7.61	46	37.62	28.57	4.15	31.95	100	0	P	H
													H
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													H
													H
		48.43	32.07	-7.93	40	48.15	15.39	0.9	32.37	-	-	P	V
		93.05	24.49	-19.01	43.5	40.07	15.36	1.37	32.31	-	-	P	V
		141.55	21.68	-21.82	43.5	34.97	17.52	1.7	32.51	-	-	P	V
		721.61	37.66	-8.34	46	39.49	26.95	3.64	32.42	-	-	P	V
		729.37	34.94	-11.06	46	36.45	27.26	3.67	32.44	-	-	P	V
		896.21	38.44	-7.56	46	37.66	28.58	4.15	31.95	100	0	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Camera Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+5		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.5	63.33	-10.67	74	51.54	31.8	10	30.01	100	304	P	H
		5150	51.41	-2.59	54	39.62	31.8	10	30.01	100	304	A	H
	*	5180	114.6	-	-	102.96	31.62	10.03	30.01	100	304	P	H
	*	5180	107.11	-	-	95.47	31.62	10.03	30.01	100	304	A	H
													H
													H
		5149.76	57.94	-16.06	74	46.15	31.8	10	30.01	100	9	P	V
		5150	46.86	-7.14	54	35.07	31.8	10	30.01	100	9	A	V
	*	5180	111.58	-	-	99.94	31.62	10.03	30.01	100	9	P	V
	*	5180	103.2	-	-	91.56	31.62	10.03	30.01	100	9	A	V
													V
													V
802.11a CH 44 5220MHz		5147.42	59.07	-14.93	74	47.29	31.8	9.99	30.01	100	305	P	H
		5148.46	44.56	-9.44	54	32.77	31.8	10	30.01	100	305	A	H
	*	5220	115.45	-	-	104.01	31.38	10.07	30.01	100	305	P	H
	*	5220	107.76	-	-	96.32	31.38	10.07	30.01	100	305	A	H
		5420.24	51.13	-22.87	74	39.41	31.48	10.23	29.99	100	305	P	H
		5456.92	40.9	-13.1	54	29.03	31.6	10.26	29.99	100	305	A	H
		5150	52.5	-21.5	74	40.71	31.8	10	30.01	100	26	P	V
		5149.24	41.53	-12.47	54	29.74	31.8	10	30.01	100	26	A	V
	*	5220	109.47	-	-	98.03	31.38	10.07	30.01	100	26	P	V
	*	5220	101	-	-	89.56	31.38	10.07	30.01	100	26	A	V
		5435.36	52.08	-21.92	74	40.29	31.54	10.24	29.99	100	26	P	V
		5459.72	40.88	-13.12	54	29.01	31.6	10.26	29.99	100	26	A	V

802.11a CH 48 5240MHz		5148.72	54.24	-19.76	74	42.45	31.8	10	30.01	100	304	P	H
		5148.2	42.82	-11.18	54	31.03	31.8	10	30.01	100	304	A	H
	*	5240	114.96	-	-	103.63	31.26	10.08	30.01	100	304	P	H
	*	5240	107.89	-	-	96.56	31.26	10.08	30.01	100	304	A	H
		5425.56	52.05	-21.95	74	40.31	31.5	10.23	29.99	100	304	P	H
		5459.72	40.91	-13.09	54	29.04	31.6	10.26	29.99	100	304	A	H
		5150	52.35	-21.65	74	40.56	31.8	10	30.01	100	11	P	V
		5092.82	41.58	-12.42	54	29.86	31.79	9.94	30.01	100	11	A	V
	*	5240	112.98	-	-	101.65	31.26	10.08	30.01	100	11	P	V
	*	5240	104.81	-	-	93.48	31.26	10.08	30.01	100	11	A	V
		5423.32	52.19	-21.81	74	40.46	31.49	10.23	29.99	100	11	P	V
		5450.48	40.89	-13.11	54	29.03	31.6	10.25	29.99	100	11	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		6904	49.13	-19.07	68.2	60.87	34.81	12.47	59.02	100	0	P	H
		10360	47.54	-20.66	68.2	54.54	39.44	14.46	60.9	100	0	P	H
		15540	47.51	-26.49	74	55.11	37.82	17.29	62.71	100	0	P	H
													H
		6904	51.74	-16.46	68.2	63.48	34.81	12.47	59.02	100	0	P	V
		10360	47.33	-20.87	68.2	54.33	39.44	14.46	60.9	100	0	P	V
		15540	49.03	-24.97	74	56.63	37.82	17.29	62.71	100	0	P	V
													V
802.11a CH 44 5220MHz		6960	49.19	-19.01	68.2	60.78	34.94	12.48	59.01	100	0	P	H
		10440	47.97	-20.23	68.2	54.85	39.64	14.5	61.02	100	0	P	H
		15660	49.49	-24.51	74	56.74	37.52	17.36	62.13	100	0	P	H
													H
		6960	51.96	-16.24	68.2	63.55	34.94	12.48	59.01	100	0	P	V
		10440	49.66	-18.54	68.2	56.54	39.64	14.5	61.02	100	0	P	V
		15660	55.6	-18.4	74	62.85	37.52	17.36	62.13	367	23	P	V
		15660	45.03	-8.97	54	52.28	37.52	17.36	62.13	367	23	A	V
802.11a CH 48 5240MHz		6986	49.29	-18.91	68.2	60.77	35.04	12.48	59	100	0	P	H
		10480	48.11	-20.09	68.2	54.98	39.68	14.52	61.07	100	0	P	H
		15720	49.92	-24.08	74	57.02	37.34	17.4	61.84	100	0	P	H
													H
		6986	52.62	-15.58	68.2	64.1	35.04	12.48	59	100	0	P	V
		10480	50.65	-17.55	68.2	57.52	39.68	14.52	61.07	100	0	P	V
		15720	54.25	-19.75	74	61.35	37.34	17.4	61.84	391	20	P	V
		15720	43.95	-10.05	54	51.05	37.34	17.4	61.84	391	20	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.72	66.05	-7.95	74	54.26	31.8	10	30.01	100	301	P	H
		5150	50.94	-3.06	54	39.15	31.8	10	30.01	100	301	A	H
	*	5180	116.25	-	-	104.61	31.62	10.03	30.01	100	301	P	H
	*	5180	105.76	-	-	94.12	31.62	10.03	30.01	100	301	A	H
802.11ax													H
HE20 Full													H
CH 36		5150	59.57	-14.43	74	47.78	31.8	10	30.01	100	11	P	V
5180MHz		5149.76	46.44	-7.56	54	34.65	31.8	10	30.01	100	11	A	V
	*	5180	112.08	-	-	100.44	31.62	10.03	30.01	100	11	P	V
	*	5180	102.14	-	-	90.5	31.62	10.03	30.01	100	11	A	V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5140.66	52.93	-21.07	74	41.15	31.8	9.99	30.01	100	347	P	H
		5105.04	41.27	-12.73	54	29.53	31.8	9.95	30.01	100	347	A	H
	*	5180	112.61	-	-	100.97	31.62	10.03	30.01	100	347	P	H
802.11ax	*	5180	103.14	-	-	91.5	31.62	10.03	30.01	100	347	A	H
HE20													H
Partial													H
106/53		5123.24	51.91	-22.09	74	40.15	31.8	9.97	30.01	100	18	P	V
CH 36		5109.46	40.77	-13.23	54	29.03	31.8	9.95	30.01	100	18	A	V
5180MHz	*	5180	108.1	-	-	96.46	31.62	10.03	30.01	100	18	P	V
	*	5180	99.6	-	-	87.96	31.62	10.03	30.01	100	18	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.98	64.21	-9.79	74	52.42	31.8	10	30.01	100	305	P	H
		5149.24	51.56	-2.44	54	39.77	31.8	10	30.01	100	305	A	H
	*	5190	112.11	-	-	100.52	31.56	10.04	30.01	100	305	P	H
	*	5190	102.08	-	-	90.49	31.56	10.04	30.01	100	305	A	H
802.11ax		5415.2	51.52	-22.48	74	39.84	31.46	10.22	30	100	305	P	H
HE40 Full		5424.72	40.94	-13.06	54	29.2	31.5	10.23	29.99	100	305	A	H
CH 38		5144.82	59.22	-14.78	74	47.44	31.8	9.99	30.01	100	11	P	V
5190MHz		5150	48	-6	54	36.21	31.8	10	30.01	100	11	A	V
	*	5190	109.39	-	-	97.8	31.56	10.04	30.01	100	11	P	V
	*	5190	98.4	-	-	86.81	31.56	10.04	30.01	100	11	A	V
		5433.68	52.11	-21.89	74	40.33	31.53	10.24	29.99	100	11	P	V
		5460	40.95	-13.05	54	29.08	31.6	10.26	29.99	100	11	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5146.12	68.49	-5.51	74	56.71	31.8	9.99	30.01	100	341	P	H
		5145.86	47.53	-6.47	54	35.75	31.8	9.99	30.01	100	341	A	H
	*	5190	112.05	-	-	100.46	31.56	10.04	30.01	100	341	P	H
	*	5190	102.39	-	-	90.8	31.56	10.04	30.01	100	341	A	H
		5362	50.89	-23.11	74	39.54	31.17	10.18	30	100	341	P	H
		5456.08	39.98	-14.02	54	28.11	31.6	10.26	29.99	100	341	A	H
		5148.46	68.39	-5.61	74	56.6	31.8	10	30.01	100	20	P	V
		5148.72	47.3	-6.7	54	35.51	31.8	10	30.01	100	20	A	V
	*	5190	108.06	-	-	96.47	31.56	10.04	30.01	100	20	P	V
	*	5190	98.91	-	-	87.32	31.56	10.04	30.01	100	20	A	V
		5425.84	50.9	-23.1	74	39.16	31.5	10.23	29.99	100	20	P	V
		5454.4	39.92	-14.08	54	28.05	31.6	10.26	29.99	100	20	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5129.22	61.56	-12.44	74	49.79	31.8	9.98	30.01	100	306	P	H
		5147.42	50.43	-3.57	54	38.65	31.8	9.99	30.01	100	306	A	H
	*	5210	108.17	-	-	96.68	31.44	10.06	30.01	100	306	P	H
	*	5210	98.23	-	-	86.74	31.44	10.06	30.01	100	306	A	H
		5415.76	52.26	-21.74	74	40.58	31.46	10.22	30	100	306	P	H
		5350.8	41.17	-12.83	54	29.9	31.1	10.17	30	100	306	A	H
		5148.2	58.96	-15.04	74	47.17	31.8	10	30.01	100	10	P	V
		5150	47.46	-6.54	54	35.67	31.8	10	30.01	100	10	A	V
	*	5210	106.38	-	-	94.89	31.44	10.06	30.01	100	10	P	V
	*	5210	95.28	-	-	83.79	31.44	10.06	30.01	100	10	A	V
		5374.32	51.47	-22.53	74	40.03	31.25	10.19	30	100	10	P	V
		5450.48	41.04	-12.96	54	29.18	31.6	10.25	29.99	100	10	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5148.98	66.5	-7.5	74	54.71	31.8	10	30.01	100	341	P	H
		5149.5	51.64	-2.36	54	39.85	31.8	10	30.01	100	341	A	H
	*	5210	108.22	-	-	96.73	31.44	10.06	30.01	100	341	P	H
	*	5210	97.71	-	-	86.22	31.44	10.06	30.01	100	341	A	H
		5356.96	51.26	-22.74	74	39.94	31.14	10.18	30	100	341	P	H
		5401.76	40.28	-13.72	54	28.66	31.41	10.21	30	100	341	A	H
		5148.98	62.61	-11.39	74	50.82	31.8	10	30.01	100	19	P	V
		5150	49.65	-4.35	54	37.86	31.8	10	30.01	100	19	A	V
	*	5210	104.51	-	-	93.02	31.44	10.06	30.01	100	19	P	V
	*	5210	94.98	-	-	83.49	31.44	10.06	30.01	100	19	A	V
		5459.72	50.5	-23.5	74	38.63	31.6	10.26	29.99	100	19	P	V
		5456.64	40.05	-13.95	54	28.18	31.6	10.26	29.99	100	19	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5114.92	61.97	-12.03	74	50.22	31.8	9.96	30.01	100	7	P	H
		5133.12	50.57	-3.43	54	38.8	31.8	9.98	30.01	100	7	A	H
	*	5250	102.4	-	-	91.12	31.2	10.09	30.01	100	7	P	H
	*	5250	91.28	-	-	80	31.2	10.09	30.01	100	7	A	H
		5384.4	62.99	-11.01	74	51.48	31.31	10.2	30	100	7	P	H
		5378.52	51.66	-2.34	54	40.2	31.27	10.19	30	100	7	A	H
		5113.88	58.25	-15.75	74	46.5	31.8	9.96	30.01	247	343	P	V
		5143.78	46.06	-7.94	54	34.28	31.8	9.99	30.01	247	343	A	V
	*	5250	98.34	-	-	87.06	31.2	10.09	30.01	247	343	P	V
	*	5250	88.21	-	-	76.93	31.2	10.09	30.01	247	343	A	V
		5383.28	58.67	-15.33	74	47.17	31.3	10.2	30	247	343	P	V
		5377.68	47.8	-6.2	54	36.34	31.27	10.19	30	247	343	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5122.4	61.8	-12.2	74	50.04	31.8	9.97	30.01	100	68	P	H
		5117.3	51.04	-2.96	54	39.29	31.8	9.96	30.01	100	68	A	H
	*	5250	98.1	-	-	86.82	31.2	10.09	30.01	100	68	P	H
802.11ax	*	5250	89.15	-	-	77.87	31.2	10.09	30.01	100	68	A	H
HE160		5394.96	55.05	-18.95	74	43.47	31.37	10.21	30	100	68	P	H
Partial		5398.56	45.23	-8.77	54	33.63	31.39	10.21	30	100	68	A	H
996/67		5116.28	59.09	-14.91	74	47.34	31.8	9.96	30.01	100	336	P	V
CH 50		5125.12	47.96	-6.04	54	36.2	31.8	9.97	30.01	100	336	A	V
5250MHz	*	5250	95.34	-	-	84.06	31.2	10.09	30.01	100	336	P	V
	*	5250	85.49	-	-	74.21	31.2	10.09	30.01	100	336	A	V
		5433.36	50.57	-23.43	74	38.79	31.53	10.24	29.99	100	336	P	V
		5392.32	42.53	-11.47	54	30.98	31.35	10.2	30	100	336	A	V
		5118.66	62.37	-11.63	74	50.62	31.8	9.96	30.01	100	342	P	H
		5123.76	51.86	-2.14	54	40.1	31.8	9.97	30.01	100	342	A	H
	*	5250	99.39	-	-	88.11	31.2	10.09	30.01	100	342	P	H
802.11ax	*	5250	89.03	-	-	77.75	31.2	10.09	30.01	100	342	A	H
HE160		5392.08	61.1	-12.9	74	49.55	31.35	10.2	30	100	342	P	H
Partial		5398.8	49.81	-4.19	54	38.21	31.39	10.21	30	100	342	A	H
996/S67		5124.1	56.69	-17.31	74	44.93	31.8	9.97	30.01	200	352	P	V
CH 50		5123.76	47.19	-6.81	54	35.43	31.8	9.97	30.01	200	352	A	V
5250MHz	*	5250	95.94	-	-	84.66	31.2	10.09	30.01	200	352	P	V
	*	5250	86.3	-	-	75.02	31.2	10.09	30.01	200	352	A	V
		5391.84	55.32	-18.68	74	43.77	31.35	10.2	30	200	352	P	V
		5398.56	45.56	-8.44	54	33.96	31.39	10.21	30	200	352	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5056.1	52.21	-21.79	74	40.62	31.71	9.9	30.02	100	52	P	H
		5105.4	41.22	-12.78	54	29.48	31.8	9.95	30.01	100	52	A	H
	*	5260	110.07	-	-	98.77	31.2	10.1	30	100	52	P	H
	*	5260	101.51	-	-	90.21	31.2	10.1	30	100	52	A	H
		5398.8	51.54	-22.46	74	39.94	31.39	10.21	30	100	52	P	H
		5453.52	40.73	-13.27	54	28.86	31.6	10.26	29.99	100	52	A	H
		5075.48	51.5	-22.5	74	39.85	31.75	9.92	30.02	251	14	P	V
		5113.9	41.77	-12.23	54	30.02	31.8	9.96	30.01	251	14	A	V
	*	5260	115.91	-	-	104.61	31.2	10.1	30	251	14	P	V
	*	5260	107.3	-	-	96	31.2	10.1	30	251	14	A	V
		5446.32	52.13	-21.87	74	40.28	31.59	10.25	29.99	251	14	P	V
		5352.24	41.15	-12.85	54	29.87	31.11	10.17	30	251	14	A	V
802.11a CH 60 5300MHz		5112.2	51.35	-22.65	74	39.6	31.8	9.96	30.01	100	33	P	H
		5144.84	40.87	-13.13	54	29.09	31.8	9.99	30.01	100	33	A	H
	*	5300	109.84	-	-	98.51	31.2	10.13	30	100	33	P	H
	*	5300	101.79	-	-	90.46	31.2	10.13	30	100	33	A	H
		5357.28	54.87	-19.13	74	43.55	31.14	10.18	30	100	33	P	H
		5350.08	42.87	-11.13	54	31.6	31.1	10.17	30	100	33	A	H
		5131.92	52.27	-21.73	74	40.5	31.8	9.98	30.01	248	13	P	V
		5144.16	41.66	-12.34	54	29.88	31.8	9.99	30.01	248	13	A	V
	*	5300	115	-	-	103.67	31.2	10.13	30	248	13	P	V
	*	5300	107.47	-	-	96.14	31.2	10.13	30	248	13	A	V
		5357.52	64.44	-9.56	74	53.11	31.15	10.18	30	248	13	P	V
		5350.32	50.65	-3.35	54	39.38	31.1	10.17	30	248	13	A	V

802.11a CH 64 5320MHz	*	5320	109.13	-	-	97.82	31.16	10.15	30	100	32	P	H
	*	5320	101.08	-	-	89.77	31.16	10.15	30	100	32	A	H
		5352	57.86	-16.14	74	46.58	31.11	10.17	30	100	32	P	H
		5350.24	44.27	-9.73	54	33	31.1	10.17	30	100	32	A	H
													H
													H
	*	5310	113.76	-	-	102.44	31.18	10.14	30	230	12	P	V
	*	5310	106.24	-	-	94.92	31.18	10.14	30	230	12	A	V
		5352.16	64.7	-9.3	74	53.42	31.11	10.17	30	230	12	P	V
		5350.24	48.66	-5.34	54	37.39	31.1	10.17	30	230	12	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		7013	48.46	-19.74	68.2	59.8	35.15	12.49	58.98	100	0	P	H
		10520	47.19	-21.01	68.2	54.05	39.7	14.54	61.1	100	0	P	H
		15780	48.18	-25.82	74	55.14	37.16	17.44	61.56	100	0	P	H
													H
		7013	52.89	-15.31	68.2	64.23	35.15	12.49	58.98	100	0	P	V
		10520	49.54	-18.66	68.2	56.4	39.7	14.54	61.1	100	0	P	V
		15780	55.51	-18.49	74	62.47	37.16	17.44	61.56	388	24	P	V
		15780	44.86	-9.14	54	51.82	37.16	17.44	61.56	388	24	A	V
802.11a CH 60 5300MHz		7066	48.16	-20.04	68.2	59.14	35.4	12.53	58.91	100	0	P	H
		10600	49.22	-24.78	74	56.04	39.7	14.58	61.1	100	0	P	H
		15900	46.56	-27.44	74	52.84	37.2	17.5	60.98	100	0	P	H
													H
		7066	53.09	-15.11	68.2	64.07	35.4	12.53	58.91	100	0	P	V
		10600	56.81	-17.19	74	63.63	39.7	14.58	61.1	100	48	P	V
		10600	43.07	-10.93	54	49.89	39.7	14.58	61.1	100	48	A	V
		15900	48.51	-25.49	74	54.79	37.2	17.5	60.98	100	0	P	V
802.11a CH 64 5320MHz		7093	48.03	-20.17	68.2	58.79	35.56	12.55	58.87	100	0	P	H
		10640	49.96	-24.04	74	56.68	39.78	14.6	61.1	100	0	P	H
		15960	46.34	-27.66	74	52.23	37.26	17.54	60.69	100	0	P	H
													H
		7093	52.89	-15.31	68.2	63.65	35.56	12.55	58.87	100	0	P	V
		10640	56.17	-17.83	74	62.89	39.78	14.6	61.1	100	36	P	V
		10640	46.63	-7.37	54	53.35	39.78	14.6	61.1	100	36	A	V
		15960	46.58	-27.42	74	52.47	37.26	17.54	60.69	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	114.68	-	-	103.37	31.16	10.15	30	100	341	P	H
	*	5320	104.68	-	-	93.37	31.16	10.15	30	100	341	A	H
		5355.2	71.51	-2.49	74	60.21	31.13	10.17	30	100	341	P	H
		5350.24	51.68	-2.32	54	40.41	31.1	10.17	30	100	341	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	113.57	-	-	102.26	31.16	10.15	30	100	6	P	V
5320MHz	*	5320	103.11	-	-	91.8	31.16	10.15	30	100	6	A	V
		5352.16	67.36	-6.64	74	56.08	31.11	10.17	30	100	6	P	V
		5351.52	48.34	-5.66	54	37.06	31.11	10.17	30	100	6	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	112.46	-	-	101.15	31.16	10.15	30	100	7	P	H
	*	5320	102.82	-	-	91.51	31.16	10.15	30	100	7	A	H
		5353.44	51.28	-22.72	74	39.99	31.12	10.17	30	100	7	P	H
802.11ax		5391.04	40.64	-13.36	54	29.09	31.35	10.2	30	100	7	A	H
HE20													H
Partial													H
106/54	*	5320	110.73	-	-	99.42	31.16	10.15	30	135	22	P	V
CH 64	*	5320	100.64	-	-	89.33	31.16	10.15	30	135	22	A	V
5320MHz		5350.4	53.93	-20.07	74	42.66	31.1	10.17	30	135	22	P	V
		5389.28	40.09	-13.91	54	28.55	31.34	10.2	30	135	22	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 62 5310MHz		5141.44	51.33	-22.67	74	39.55	31.8	9.99	30.01	100	338	P	H
		5149.6	41.08	-12.92	54	29.29	31.8	10	30.01	100	338	A	H
	*	5310	111.51	-	-	100.19	31.18	10.14	30	100	338	P	H
	*	5310	100.9	-	-	89.58	31.18	10.14	30	100	338	A	H
		5361.36	65.45	-8.55	74	54.1	31.17	10.18	30	100	338	P	H
		5352.48	51.79	-2.21	54	40.51	31.11	10.17	30	100	338	A	H
		5048.28	50.86	-23.14	74	39.3	31.69	9.89	30.02	100	10	P	V
		5145.18	40.76	-13.24	54	28.98	31.8	9.99	30.01	100	10	A	V
	*	5310	109.43	-	-	98.11	31.18	10.14	30	100	10	P	V
	*	5310	98.9	-	-	87.58	31.18	10.14	30	100	10	A	V
		5362.08	61.23	-12.77	74	49.88	31.17	10.18	30	100	10	P	V
		5354.88	47.72	-6.28	54	36.42	31.13	10.17	30	100	10	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5098.6	50.3	-23.7	74	38.57	31.8	9.94	30.01	100	343	P	H
		5143.48	40.4	-13.6	54	28.62	31.8	9.99	30.01	100	343	A	H
	*	5310	110.94	-	-	99.62	31.18	10.14	30	100	343	P	H
	*	5310	101.35	-	-	90.03	31.18	10.14	30	100	343	A	H
		5350.08	65.69	-8.31	74	54.42	31.1	10.17	30	100	343	P	H
		5350.08	44.81	-9.19	54	33.54	31.1	10.17	30	100	343	A	H
		5060.18	50.49	-23.51	74	38.89	31.72	9.9	30.02	100	6	P	V
		5104.04	40.25	-13.75	54	28.51	31.8	9.95	30.01	100	6	A	V
	*	5310	108.3	-	-	96.98	31.18	10.14	30	100	6	P	V
	*	5310	98.88	-	-	87.56	31.18	10.14	30	100	6	A	V
		5352.72	64.99	-9.01	74	53.7	31.12	10.17	30	100	6	P	V
		5352.72	42.35	-11.65	54	31.06	31.12	10.17	30	100	6	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5145.86	52.08	-21.92	74	40.3	31.8	9.99	30.01	100	337	P	H
		5145.18	41.75	-12.25	54	29.97	31.8	9.99	30.01	100	337	A	H
	*	5290	107.61	-	-	96.29	31.2	10.12	30	100	337	P	H
	*	5290	96.69	-	-	85.37	31.2	10.12	30	100	337	A	H
		5361.84	62.53	-11.47	74	51.18	31.17	10.18	30	100	337	P	H
		5351.76	51.78	-2.22	54	40.5	31.11	10.17	30	100	337	A	H
		5093.5	51.6	-22.4	74	39.88	31.79	9.94	30.01	114	26	P	V
		5137.7	41.5	-12.5	54	29.73	31.8	9.98	30.01	114	26	A	V
	*	5290	105.3	-	-	93.98	31.2	10.12	30	114	26	P	V
	*	5290	94.65	-	-	83.33	31.2	10.12	30	114	26	A	V
		5352.48	58.22	-15.78	74	46.94	31.11	10.17	30	114	26	P	V
		5351.76	47.9	-6.1	54	36.62	31.11	10.17	30	114	26	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/64 CH 58 5290MHz		5147.56	57.84	-16.16	74	46.06	31.8	9.99	30.01	100	344	P	H
		5147.9	41.64	-12.36	54	29.85	31.8	10	30.01	100	344	A	H
	*	5290	108.85	-	-	97.53	31.2	10.12	30	100	344	P	H
	*	5290	99.28	-	-	87.96	31.2	10.12	30	100	344	A	H
		5371.68	68.51	-5.49	74	57.09	31.23	10.19	30	100	344	P	H
		5354.64	49.51	-4.49	54	38.21	31.13	10.17	30	100	344	A	H
		5143.82	53.23	-20.77	74	41.45	31.8	9.99	30.01	100	22	P	V
		5143.48	41.34	-12.66	54	29.56	31.8	9.99	30.01	100	22	A	V
	*	5290	106.98	-	-	95.66	31.2	10.12	30	100	22	P	V
	*	5290	97.43	-	-	86.11	31.2	10.12	30	100	22	A	V
		5367.6	66.91	-7.09	74	55.52	31.21	10.18	30	100	22	P	V
		5350.08	47.9	-6.1	54	36.63	31.1	10.17	30	100	22	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5449.04	53.39	-20.61	74	41.53	31.6	10.25	29.99	100	305	P	H
		5468.72	56.84	-11.36	68.2	44.96	31.6	10.27	29.99	100	305	P	H
		5459.12	42.61	-11.39	54	30.74	31.6	10.26	29.99	100	305	A	H
	*	5500	109.37	-	-	97.46	31.6	10.3	29.99	100	305	P	H
	*	5500	100.91	-	-	89	31.6	10.3	29.99	100	305	A	H
													H
		5460.08	58.09	-10.11	68.2	46.22	31.6	10.26	29.99	100	14	P	V
		5468.88	62.55	-5.65	68.2	50.67	31.6	10.27	29.99	100	14	P	V
		5459.28	44.53	-9.47	54	32.66	31.6	10.26	29.99	100	14	A	V
	*	5500	109.52	-	-	97.61	31.6	10.3	29.99	100	14	P	V
	*	5500	102.07	-	-	90.16	31.6	10.3	29.99	100	14	A	V
													V
802.11a CH 116 5580MHz		5441.2	51.03	-22.97	74	39.21	31.56	10.25	29.99	256	17	P	H
		5464.24	50.71	-17.49	68.2	38.84	31.6	10.26	29.99	256	17	P	H
		5428.48	41.02	-12.98	54	29.27	31.51	10.23	29.99	256	17	A	H
	*	5580	110.16	-	-	98.29	31.56	10.36	30.05	256	17	P	H
	*	5580	102.03	-	-	90.16	31.56	10.36	30.05	256	17	A	H
		5764.37	51.56	-16.64	68.2	39.38	31.8	10.56	30.18	256	17	P	H
		5425.12	51.64	-22.36	74	39.9	31.5	10.23	29.99	100	14	P	V
		5464.72	51.23	-16.97	68.2	39.35	31.6	10.27	29.99	100	14	P	V
		5430.88	41.08	-12.92	54	29.31	31.52	10.24	29.99	100	14	A	V
	*	5580	110.22	-	-	98.35	31.56	10.36	30.05	100	14	P	V
	*	5580	102.77	-	-	90.9	31.56	10.36	30.05	100	14	A	V
		5731.925	52.78	-15.42	68.2	40.65	31.76	10.53	30.16	100	14	P	V

802.11a CH 140 5700MHz	*	5700	109.37	-	-	97.31	31.7	10.49	30.13	234	17	P	H
	*	5700	101.48	-	-	89.42	31.7	10.49	30.13	234	17	A	H
		5726.04	61.68	-6.52	68.2	49.56	31.75	10.52	30.15	234	17	P	H
													H
													H
													H
	*	5700	109.33	-	-	97.27	31.7	10.49	30.13	100	9	P	V
	*	5700	102.07	-	-	90.01	31.7	10.49	30.13	100	9	A	V
		5728.12	57.91	-10.29	68.2	45.78	31.76	10.52	30.15	100	9	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		7333	44.71	-29.29	74	54.32	36.3	12.62	58.53	100	0	P	H
		11000	54.3	-19.7	74	60.21	40.4	14.79	61.1	100	334	P	H
		11000	44.19	-9.81	54	50.1	40.4	14.79	61.1	100	334	A	H
		16500	48.8	-19.4	68.2	51.36	38.9	17.94	59.4	100	0	P	H
		7333	47.69	-26.31	74	57.3	36.3	12.62	58.53	100	0	P	V
		11000	49.66	-24.34	74	55.57	40.4	14.79	61.1	100	0	P	V
		16500	50.81	-17.39	68.2	53.37	38.9	17.94	59.4	100	0	P	V
												P	V
802.11a CH 116 5580MHz		7440	45.91	-28.09	74	55.34	36.3	12.65	58.38	100	0		H
		11160	48.41	-25.59	74	54.62	39.96	14.87	61.04	100	0		H
		16740	51.38	-16.82	68.2	52.58	39.94	18.12	59.26	100	0		H
													H
		7440	52.85	-21.15	74	62.28	36.3	12.65	58.38	100	48		V
		7440	48.73	-5.27	54	58.16	36.3	12.65	58.38	100	48		V
		11160	52.9	-21.1	74	59.11	39.96	14.87	61.04	100	11		V
		11160	43.45	-10.55	54	49.66	39.96	14.87	61.04	100	11		V
		16740	50.39	-17.81	68.2	51.59	39.94	18.12	59.26	100	0		V
802.11a CH 140 5700MHz		7600	47.91	-26.09	74	57.14	36.2	12.75	58.18	100	0	P	H
		11400	49.08	-24.92	74	55.03	40	14.99	60.94	100	0	P	H
		17100	49.75	-18.45	68.2	49.75	40.6	18.38	58.98	100	0	P	H
													H
		7600	52.03	-21.97	74	61.26	36.2	12.75	58.18	199	29	P	V
		7600	48.3	-5.7	54	57.53	36.2	12.75	58.18	199	29	A	V
		11400	55.77	-18.23	74	61.72	40	14.99	60.94	100	2	P	V
		11400	44.75	-9.25	54	50.7	40	14.99	60.94	100	2	A	V
		17100	49.12	-19.08	68.2	49.12	40.6	18.38	58.98	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.76	54.6	-19.4	74	42.73	31.6	10.26	29.99	242	14	P	H
		5465.84	59.86	-8.34	68.2	47.98	31.6	10.27	29.99	242	14	P	H
		5460	42.25	-11.75	54	30.38	31.6	10.26	29.99	242	14	A	H
	*	5500	112.33	-	-	100.42	31.6	10.3	29.99	242	14	P	H
802.11ax	*	5500	101.43	-	-	89.52	31.6	10.3	29.99	242	14	A	H
HE20 Full													H
CH 100		5458.8	59.55	-14.45	74	47.68	31.6	10.26	29.99	100	14	P	V
5500MHz		5470	62.51	-5.69	68.2	50.63	31.6	10.27	29.99	100	14	P	V
		5460.08	43.81	-106.19	150	31.94	31.6	10.26	29.99	100	14	A	V
	*	5500	112.32	-	-	100.41	31.6	10.3	29.99	100	14	P	V
	*	5500	102.21	-	-	90.3	31.6	10.3	29.99	100	14	A	V
													V
	*	5700	111.08	-	-	99.02	31.7	10.49	30.13	100	9	P	H
	*	5700	100.97	-	-	88.91	31.7	10.49	30.13	100	9	P	H
		5725.8	61.59	-6.61	68.2	49.47	31.75	10.52	30.15	100	9	A	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	110.49	-	-	98.43	31.7	10.49	30.13	236	15	P	V
5700MHz	*	5700	100.15	-	-	88.09	31.7	10.49	30.13	236	15	P	V
		5729.56	62.86	-5.34	68.2	50.74	31.76	10.52	30.16	236	15	A	V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5449.04	51.76	-22.24	74	39.9	31.6	10.25	29.99	100	340	P	H
		5462.96	50.79	-17.41	68.2	38.92	31.6	10.26	29.99	100	340	P	H
		5425.04	40.65	-13.35	54	28.91	31.5	10.23	29.99	100	340	A	H
802.11ax	*	5500	109.52	-	-	97.61	31.6	10.3	29.99	100	340	P	H
HE20	*	5500	100.86	-	-	88.95	31.6	10.3	29.99	100	340	A	H
Partial													H
106/53		5456.72	51.55	-22.45	74	39.68	31.6	10.26	29.99	100	7	P	V
CH 100		5465.04	50.55	-17.65	68.2	38.67	31.6	10.27	29.99	100	7	P	V
5500MHz		5426.96	40.9	-13.1	54	29.15	31.51	10.23	29.99	100	7	A	V
	*	5500	110.33	-	-	98.42	31.6	10.3	29.99	100	7	P	V
	*	5500	101.83	-	-	89.92	31.6	10.3	29.99	100	7	A	V
													V
	*	5700	110.75	-	-	98.69	31.7	10.49	30.13	100	346	P	H
	*	5700	101.43	-	-	89.37	31.7	10.49	30.13	100	346	P	H
		5725.16	58.33	-9.87	68.2	46.21	31.75	10.52	30.15	100	346	A	H
802.11ax													H
HE20													H
Partial													H
106/54	*	5700	110.53	-	-	98.47	31.7	10.49	30.13	100	1	P	V
CH 140	*	5700	100.97	-	-	88.91	31.7	10.49	30.13	100	1	P	V
5700MHz		5725.56	59.67	-8.53	68.2	47.55	31.75	10.52	30.15	100	1	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	61	-13	74	49.13	31.6	10.26	29.99	250	1	P	H
		5468.32	63.31	-4.89	68.2	51.43	31.6	10.27	29.99	250	1	P	H
		5458.96	45.1	-8.9	54	33.23	31.6	10.26	29.99	250	1	A	H
	*	5510	108.73	-	-	96.85	31.58	10.3	30	250	1	P	H
802.11ax	*	5510	98.25	-	-	86.37	31.58	10.3	30	250	1	A	H
HE40 Full		5755.235	51.45	-16.75	68.2	39.27	31.8	10.55	30.17	250	1	P	H
CH 102		5457.52	63.98	-10.02	74	52.11	31.6	10.26	29.99	100	20	P	V
5510MHz		5464	65.65	-2.55	68.2	53.78	31.6	10.26	29.99	100	20	P	V
		5458.48	46.26	-7.74	54	34.39	31.6	10.26	29.99	100	20	A	V
	*	5510	110.07	-	-	98.19	31.58	10.3	30	100	20	P	V
	*	5510	99.79	-	-	87.91	31.58	10.3	30	100	20	A	V
		5748.935	52.1	-16.1	68.2	39.93	31.8	10.54	30.17	100	20	P	V
		5428.4	51.51	-22.49	74	39.76	31.51	10.23	29.99	253	17	P	H
		5465.15	50.7	-17.5	68.2	38.82	31.6	10.27	29.99	253	17	P	H
		5459.55	40.91	-13.09	54	29.04	31.6	10.26	29.99	253	17	A	H
	*	5670	110.25	-	-	98.2	31.7	10.46	30.11	253	17	P	H
802.11ax	*	5670	99.12	-	-	87.07	31.7	10.46	30.11	253	17	A	H
HE40 Full		5730	62.24	-5.96	68.2	50.12	31.76	10.52	30.16	253	17	P	H
CH 134		5455.7	51.36	-22.64	74	39.49	31.6	10.26	29.99	113	10	P	V
5670MHz		5461.3	51.14	-17.06	68.2	39.27	31.6	10.26	29.99	113	10	P	V
		5458.85	41.08	-12.92	54	29.21	31.6	10.26	29.99	113	10	A	V
	*	5670	111.59	-	-	99.54	31.7	10.46	30.11	113	10	P	V
	*	5670	99.89	-	-	87.84	31.7	10.46	30.11	113	10	A	V
		5726.15	64.3	-3.9	68.2	52.18	31.75	10.52	30.15	113	10	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.96	59.24	-14.76	74	47.37	31.6	10.26	29.99	100	308	P	H
		5468.56	65.72	-2.48	68.2	53.84	31.6	10.27	29.99	100	308	P	H
		5459.2	40.95	-13.05	54	29.08	31.6	10.26	29.99	100	308	A	H
802.11ax	*	5510	109.31	-	-	97.43	31.58	10.3	30	100	308	P	H
HE40	*	5510	98.86	-	-	86.98	31.58	10.3	30	100	308	A	H
Partial		5743.265	51.01	-17.19	68.2	38.85	31.79	10.54	30.17	100	308	P	H
242/61		5458	58.83	-15.17	74	46.96	31.6	10.26	29.99	100	8	P	V
CH 102		5465.92	65.93	-2.27	68.2	54.05	31.6	10.27	29.99	100	8	P	V
5510MHz		5456.56	40.96	-13.04	54	29.09	31.6	10.26	29.99	100	8	A	V
	*	5510	109.32	-	-	97.44	31.58	10.3	30	100	8	P	V
	*	5510	99.65	-	-	87.77	31.58	10.3	30	100	8	A	V
		5728.145	51.07	-17.13	68.2	38.94	31.76	10.52	30.15	100	8	P	V
		5443.1	51.69	-22.31	74	39.86	31.57	10.25	29.99	100	346	P	H
		5465.85	50.32	-17.88	68.2	38.44	31.6	10.27	29.99	100	346	P	H
		5452.55	40.16	-13.84	54	28.3	31.6	10.25	29.99	100	346	A	H
802.11ax	*	5670	107.64	-	-	95.59	31.7	10.46	30.11	100	346	P	H
HE40	*	5670	98.08	-	-	86.03	31.7	10.46	30.11	100	346	A	H
Partial		5728.775	57.22	-10.98	68.2	45.09	31.76	10.52	30.15	100	346	P	H
242/62		5372.75	51.24	-22.76	74	39.81	31.24	10.19	30	100	6	P	V
CH 134		5460.25	51.52	-16.68	68.2	39.65	31.6	10.26	29.99	100	6	P	V
5670MHz		5453.95	40.31	-13.69	54	28.44	31.6	10.26	29.99	100	6	A	V
	*	5670	107.81	-	-	95.76	31.7	10.46	30.11	100	6	P	V
	*	5670	98.02	-	-	85.97	31.7	10.46	30.11	100	6	A	V
		5725.625	56.27	-11.93	68.2	44.15	31.75	10.52	30.15	100	6	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5442.64	60.49	-13.51	74	48.66	31.57	10.25	29.99	239	16	P	H
		5465.2	62.01	-6.19	68.2	50.13	31.6	10.27	29.99	239	16	P	H
		5455.12	46.98	-7.02	54	35.11	31.6	10.26	29.99	239	16	A	H
	*	5530	105.01	-	-	93.16	31.54	10.32	30.01	239	16	P	H
	*	5530	94.51	-	-	82.66	31.54	10.32	30.01	239	16	A	H
		5760.275	52.46	-15.74	68.2	40.28	31.8	10.56	30.18	239	16	P	H
		5453.2	60.32	-13.68	74	48.45	31.6	10.26	29.99	100	10	P	V
		5468.32	62.67	-5.53	68.2	50.79	31.6	10.27	29.99	100	10	P	V
		5459.68	48.62	-5.38	54	36.75	31.6	10.26	29.99	100	10	A	V
	*	5530	106.01	-	-	94.16	31.54	10.32	30.01	100	10	P	V
	*	5530	95.72	-	-	83.87	31.54	10.32	30.01	100	10	A	V
		5740.43	51.93	-16.27	68.2	39.78	31.78	10.53	30.16	100	10	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	60.68	-13.32	74	48.81	31.6	10.26	29.99	100	308	P	H
		5466.4	64.76	-3.44	68.2	52.88	31.6	10.27	29.99	100	308	P	H
		5459.92	42.49	-11.51	54	30.62	31.6	10.26	29.99	100	308	A	H
802.11ax	*	5530	106.52	-	-	94.67	31.54	10.32	30.01	100	308	P	H
HE80	*	5530	95.9	-	-	84.05	31.54	10.32	30.01	100	308	A	H
Partial		5750.195	51.71	-16.49	68.2	39.53	31.8	10.55	30.17	100	308	P	H
484/65		5459.92	60.77	-13.23	74	48.9	31.6	10.26	29.99	100	7	P	V
CH 106		5466.4	64.66	-3.54	68.2	52.78	31.6	10.27	29.99	100	7	P	V
5530MHz		5459.92	42.9	-11.1	54	31.03	31.6	10.26	29.99	100	7	A	V
	*	5530	105.89	-	-	94.04	31.54	10.32	30.01	100	7	P	V
	*	5530	95.87	-	-	84.02	31.54	10.32	30.01	100	7	A	V
		5732.555	51.51	-16.69	68.2	39.37	31.77	10.53	30.16	100	7	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5441.68	63.78	-10.22	74	51.95	31.57	10.25	29.99	274	18	P	H
		5462.32	62.41	-5.79	68.2	50.54	31.6	10.26	29.99	274	18	P	H
		5422	51.14	-2.86	54	39.41	31.49	10.23	29.99	274	18	A	H
	*	5570	101.14	-	-	89.29	31.54	10.35	30.04	274	18	P	H
802.11ax	*	5570	90.4	-	-	78.55	31.54	10.35	30.04	274	18	A	H
HE160 Full		5740.43	59.15	-9.05	68.2	47	31.78	10.53	30.16	274	18	P	H
CH 114		5444.56	59.22	-14.78	74	47.38	31.58	10.25	29.99	210	356	P	V
5570MHz		5470	58.56	-9.64	68.2	46.68	31.6	10.27	29.99	210	356	P	V
		5456.56	47.72	-	-	35.85	31.6	10.26	29.99	210	356	A	V
	*	5570	99.26	-	-	87.41	31.54	10.35	30.04	210	356	P	V
	*	5570	89.34	35.34	54	77.49	31.54	10.35	30.04	210	356	A	V
		5728.46	55.83	-12.37	68.2	43.7	31.76	10.52	30.15	210	356	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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

WIFI Ant. 6+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5448.01	63.27	-10.73	74	51.42	31.59	10.25	29.99	344	339	P	H
		5462.59	59.2	-9	68.2	47.33	31.6	10.26	29.99	344	339	P	H
		5447.74	51.23	-2.77	54	39.38	31.59	10.25	29.99	344	339	A	H
802.11ax	*	5570	99.11	-	-	87.26	31.54	10.35	30.04	344	339	P	H
HE160	*	5570	90.26	-	-	78.41	31.54	10.35	30.04	344	339	A	H
Partial		5725.31	56.06	-12.14	68.2	43.94	31.75	10.52	30.15	344	339	P	H
996/67		5437.48	58.85	-15.15	74	47.05	31.55	10.24	29.99	166	350	P	V
CH 114		5461.24	54.52	-13.68	68.2	42.65	31.6	10.26	29.99	166	350	P	V
5570MHz		5437.21	48.59	-5.41	54	36.79	31.55	10.24	29.99	166	350	A	V
	*	5570	97.94	-	-	86.09	31.54	10.35	30.04	166	350	P	V
	*	5570	89.04	-	-	77.19	31.54	10.35	30.04	166	350	A	V
		5726.885	54.82	-13.38	68.2	42.7	31.75	10.52	30.15	166	350	P	V
		5437.21	62.8	-11.2	74	51	31.55	10.24	29.99	101	343	P	H
		5462.32	54.79	-13.41	68.2	42.92	31.6	10.26	29.99	101	343	P	H
		5437.21	50.35	-3.65	54	38.55	31.55	10.24	29.99	101	343	A	H
802.11ax	*	5570	98.05	-	-	86.2	31.54	10.35	30.04	101	343	P	H
HE160	*	5570	87.97	-	-	76.12	31.54	10.35	30.04	101	343	A	H
Partial		5727.83	54.02	-14.18	68.2	41.89	31.76	10.52	30.15	101	343	P	H
996/S67		5442.61	57.31	-16.69	74	45.48	31.57	10.25	29.99	206	350	P	V
CH 114		5462.32	53.37	-14.83	68.2	41.5	31.6	10.26	29.99	206	350	P	V
5570MHz		5437.21	46.63	-7.37	54	34.83	31.55	10.24	29.99	206	350	A	V
	*	5570	96.85	-	-	85	31.54	10.35	30.04	206	350	P	V
	*	5570	87.55	-	-	75.7	31.54	10.35	30.04	206	350	A	V
		5753.975	52.46	-15.74	68.2	40.28	31.8	10.55	30.17	206	350	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		48.43	25.16	-14.84	40	41.24	15.39	0.9	32.37	-	-	P	H
		93.05	27.48	-16.02	43.5	43.06	15.36	1.37	32.31	-	-	P	H
		142.52	27.4	-16.1	43.5	40.63	17.58	1.7	32.51	-	-	P	H
		266.68	27.07	-18.93	46	37.87	19.33	2.32	32.45	-	-	P	H
		714.82	38.11	-7.89	46	40.27	26.62	3.63	32.41	100	0	P	H
		896.21	37.71	-8.29	46	36.93	28.58	4.15	31.95	-	-	P	H
													H
													H
													H
													H
													H
													H
		48.43	32.31	-7.69	40	48.39	15.39	0.9	32.37	-	-	P	V
		92.08	25.32	-18.18	43.5	41.07	15.23	1.35	32.33	-	-	P	V
		163.86	21.45	-22.05	43.5	35.7	16.32	1.84	32.41	-	-	P	V
		745.86	36.22	-9.78	46	37.32	27.65	3.71	32.46	-	-	P	V
		895.24	38.64	-7.36	46	37.85	28.58	4.15	31.94	-	-	P	V
		903.97	38.83	-7.17	46	37.93	28.62	4.18	31.9	100	0	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	**Temperature :**	22.5~24.2°C
		Relative Humidity :	44~57%

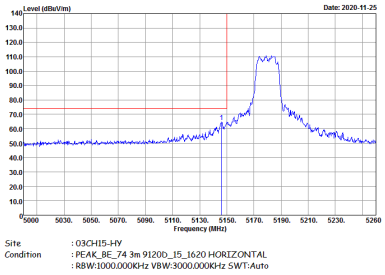
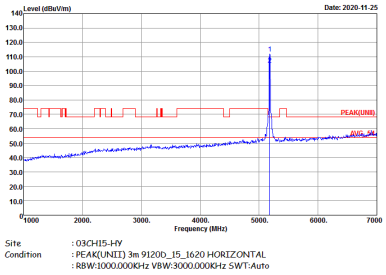
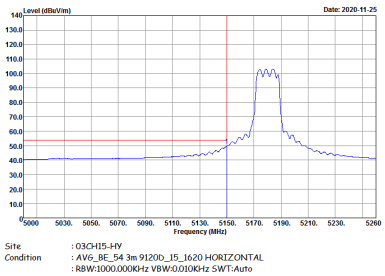
Note symbol

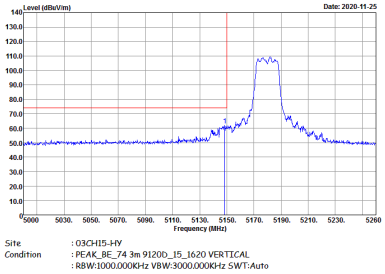
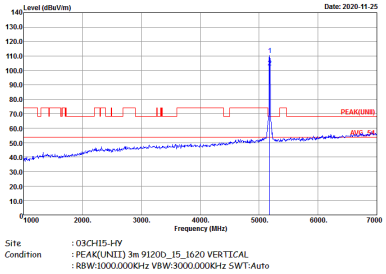
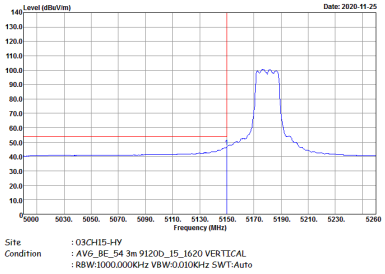
-L	**Low channel location**
-R	**High channel location**

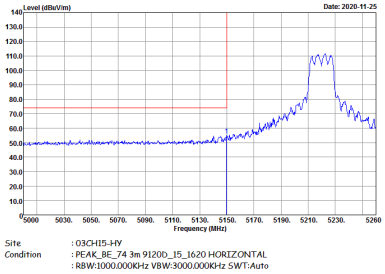
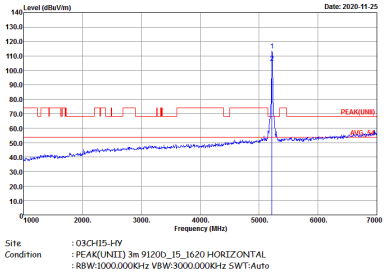
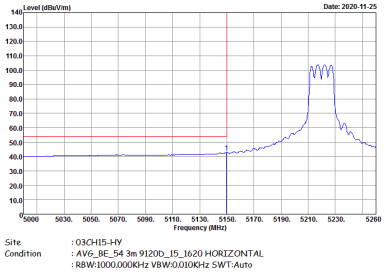
<Normal Mode>

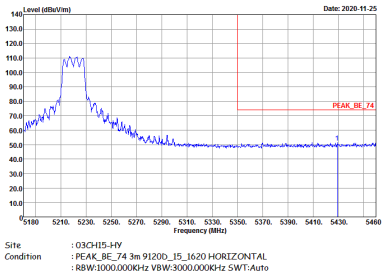
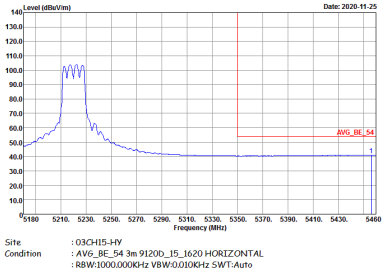
Band 1 - 5150~5250MHz

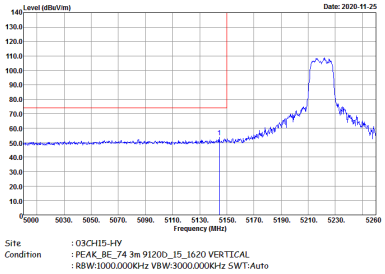
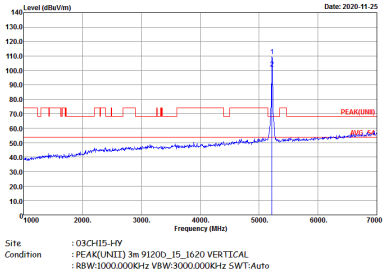
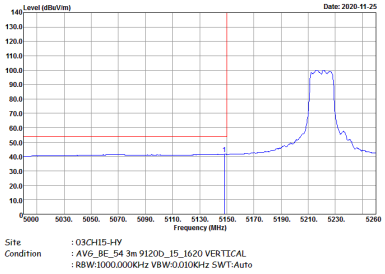
WIFI 802.11a (Band Edge @ 3m)

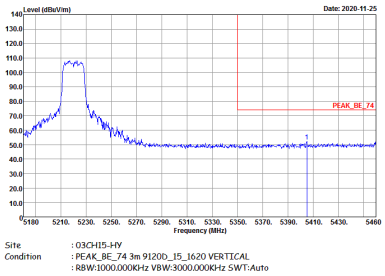
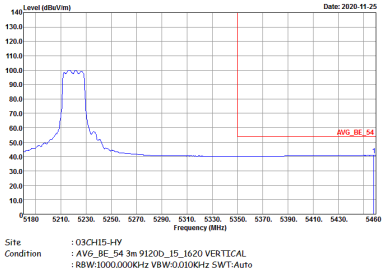
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

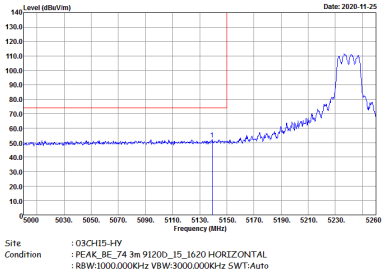
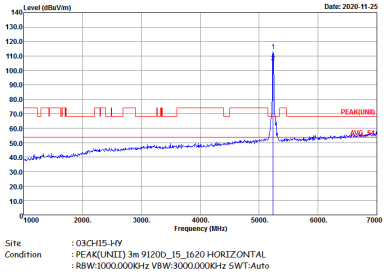
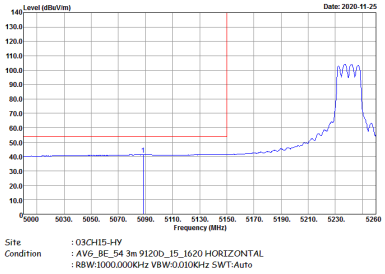
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

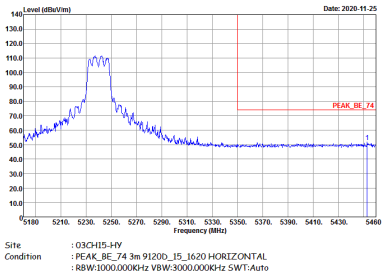
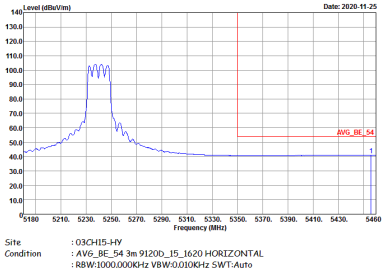
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

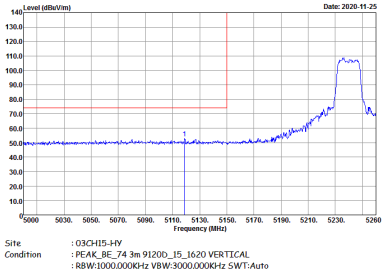
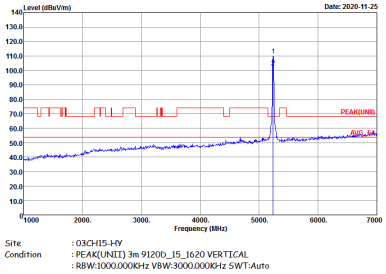
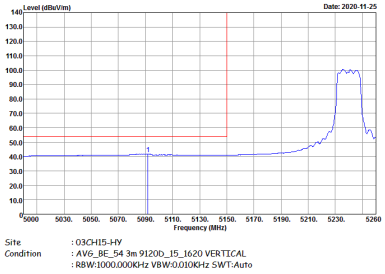
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

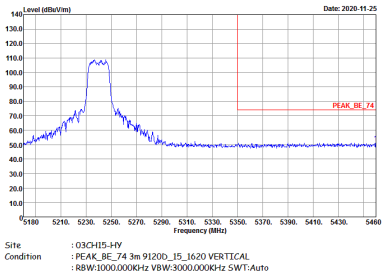
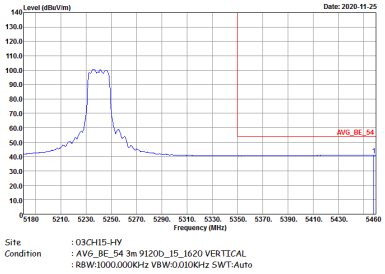
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

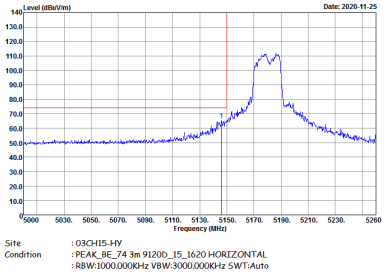
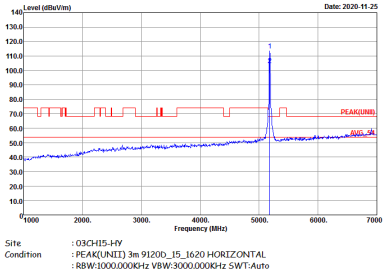
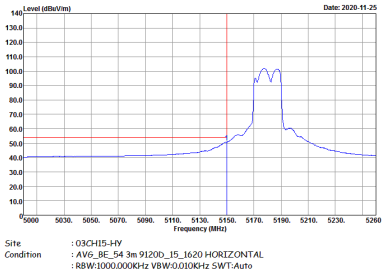
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

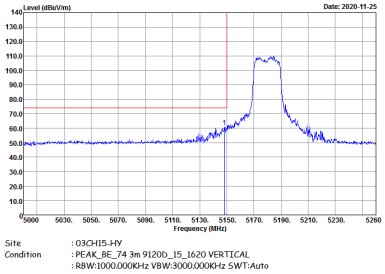
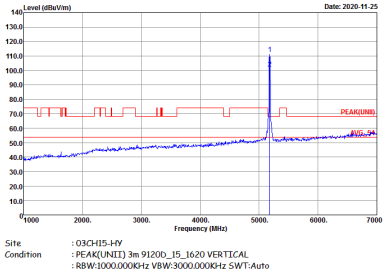
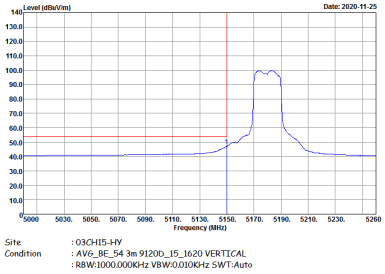
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz

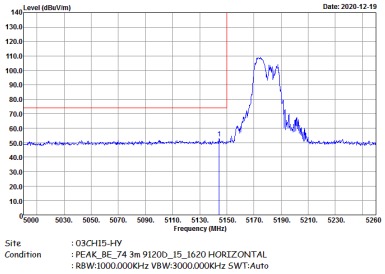
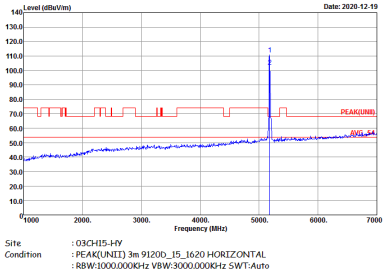
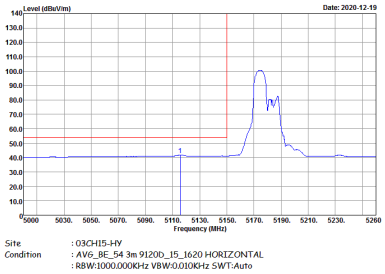
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

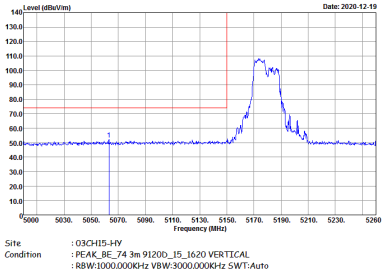
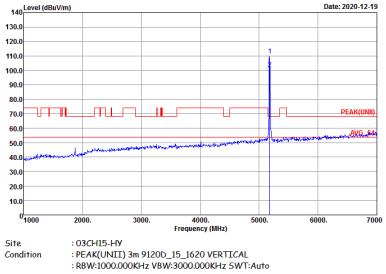
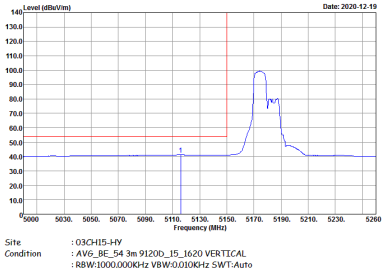
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

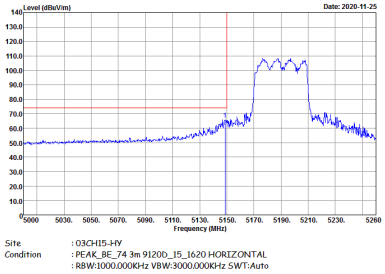
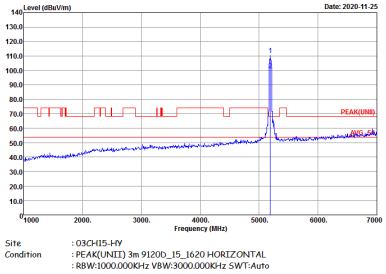
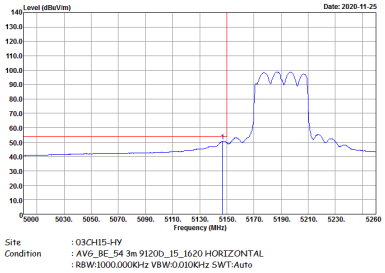
Band 1 5150~5250MHz

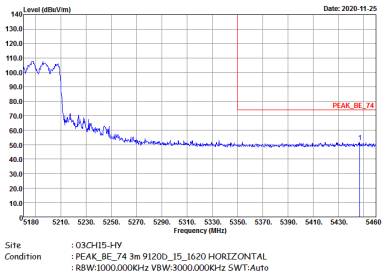
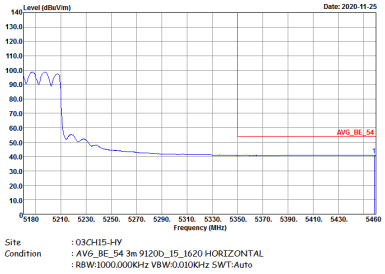
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

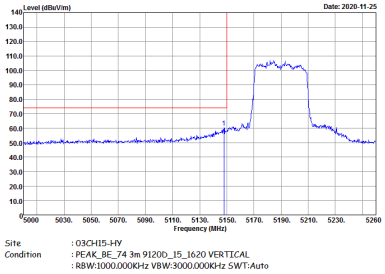
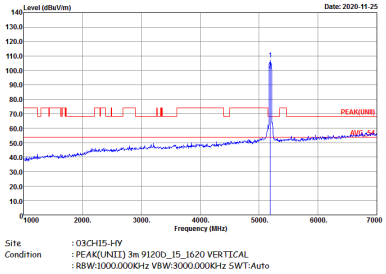
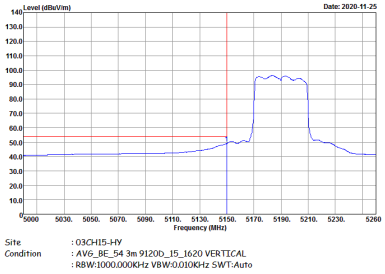
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

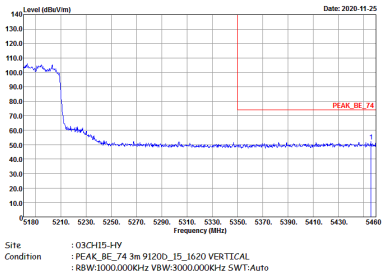
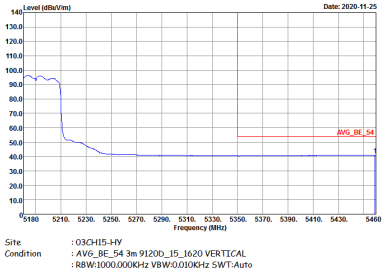
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

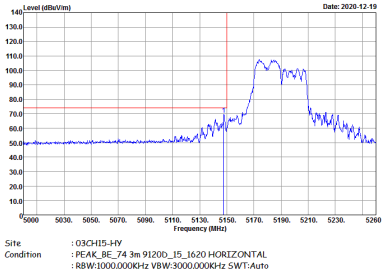
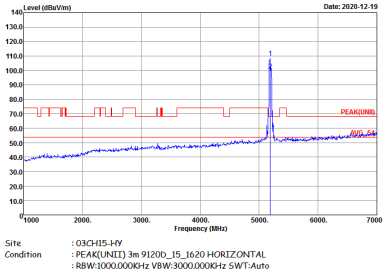
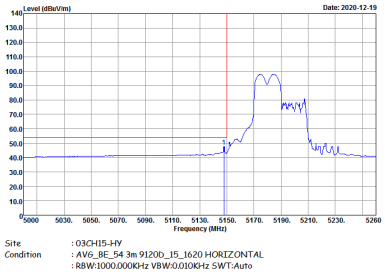
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

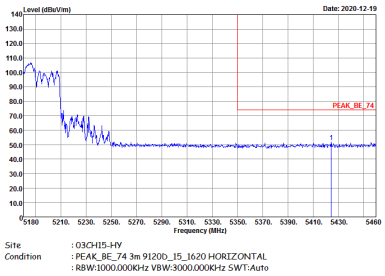
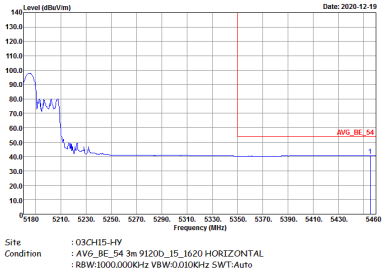
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

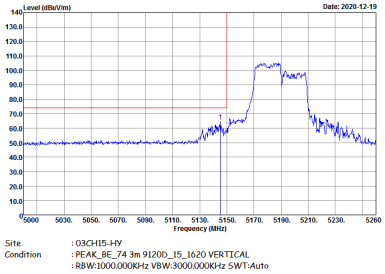
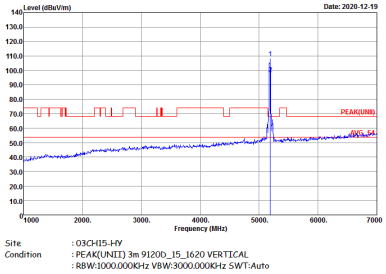
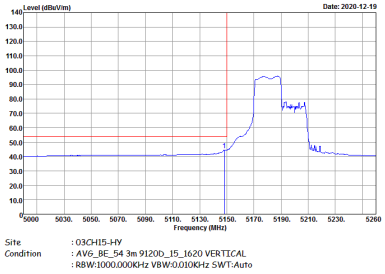
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

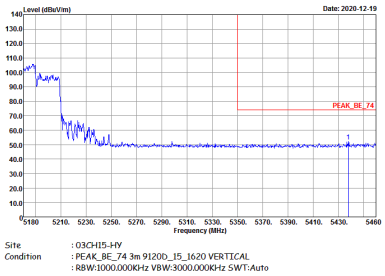
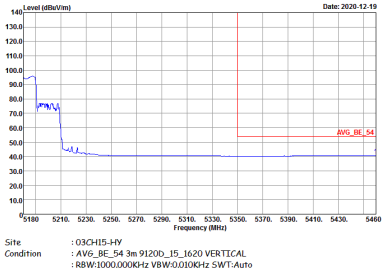
Band 1 5150~5250MHz

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

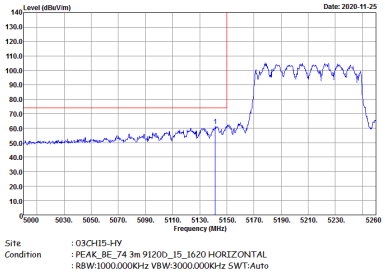
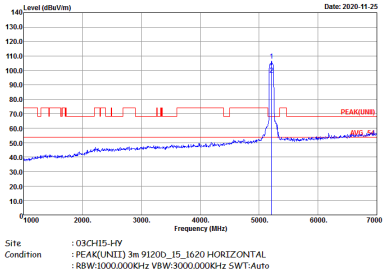
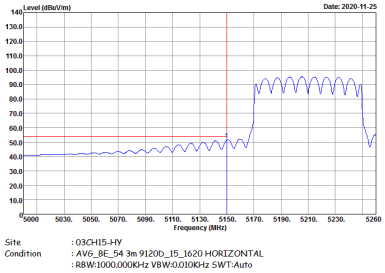
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

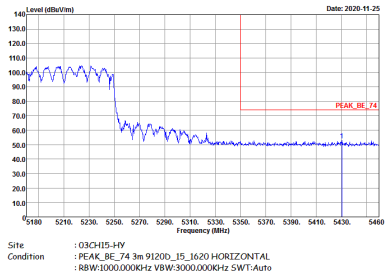
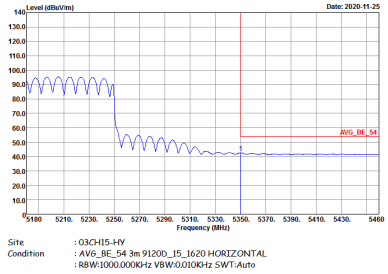
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

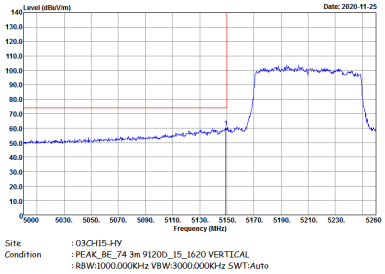
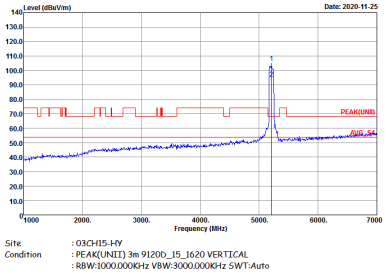
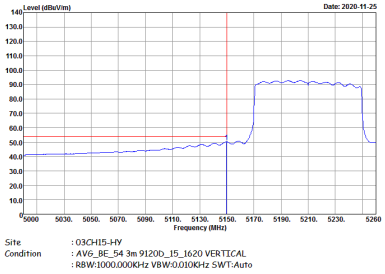
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

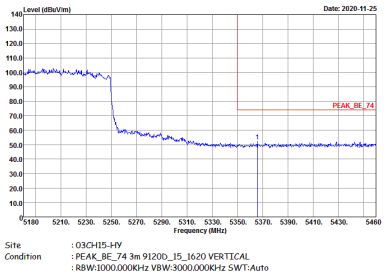
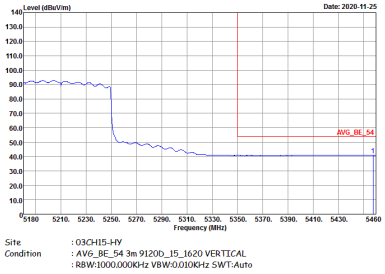
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

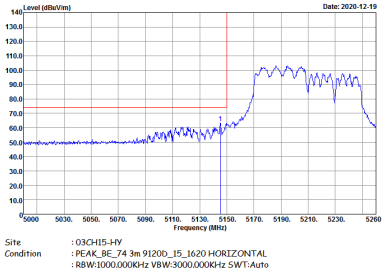
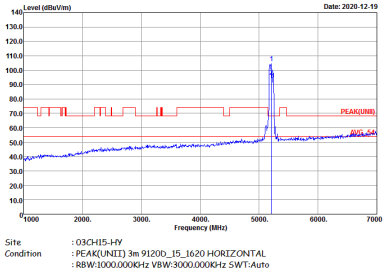
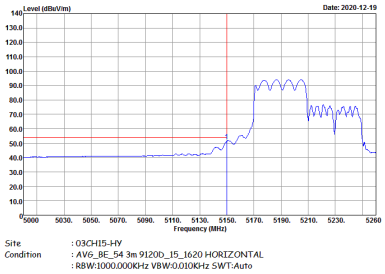
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

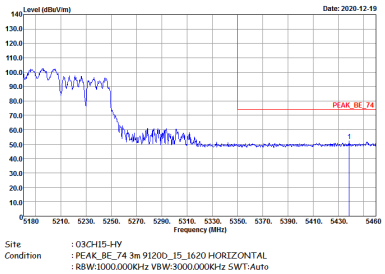
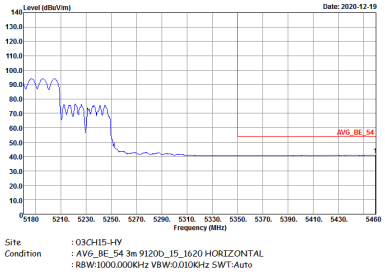
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

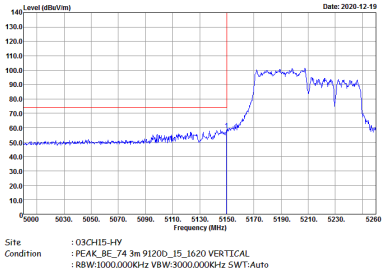
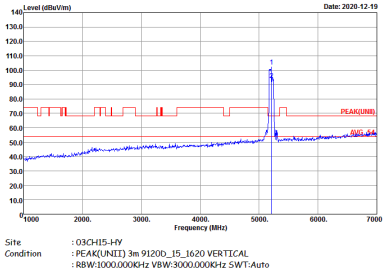
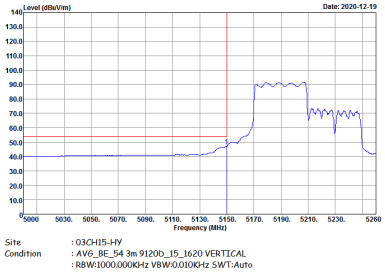
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

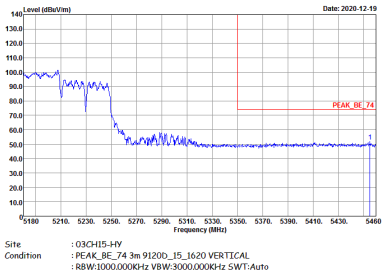
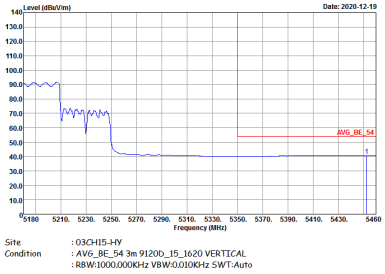
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

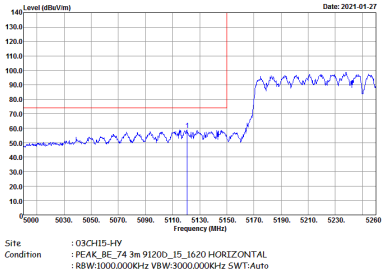
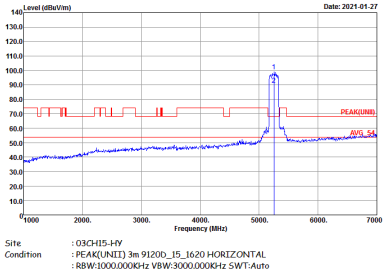
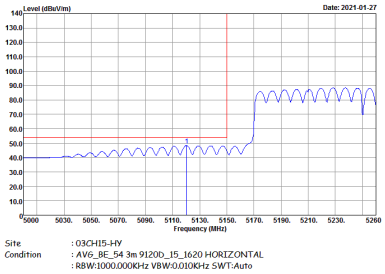
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

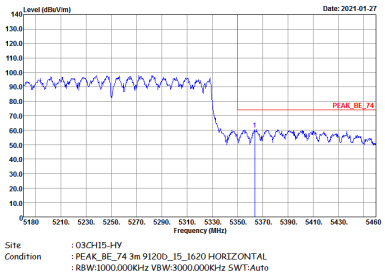
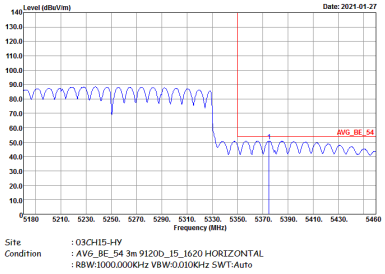
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

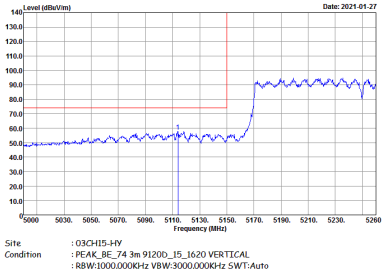
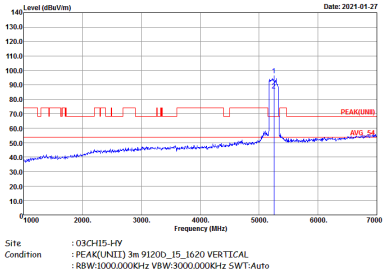
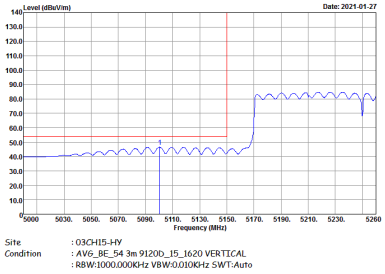
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

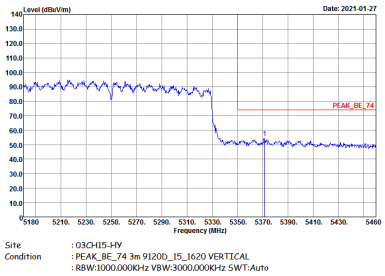
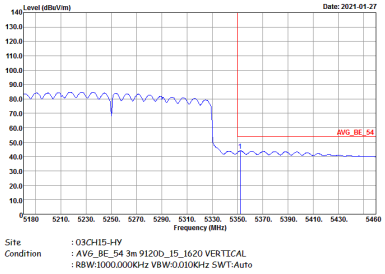
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

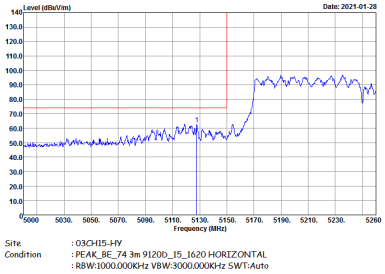
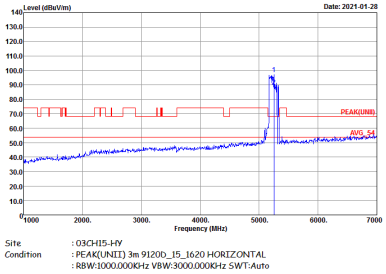
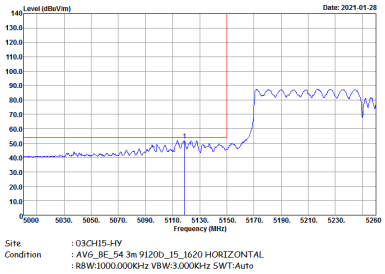
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

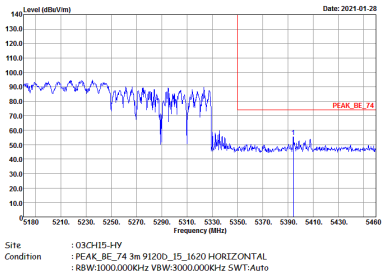
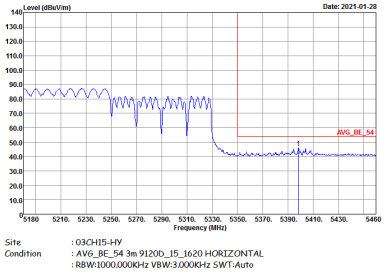
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

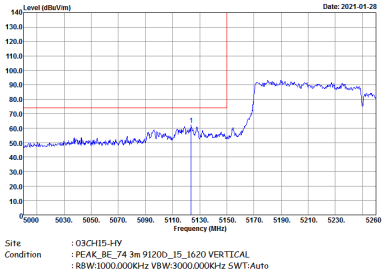
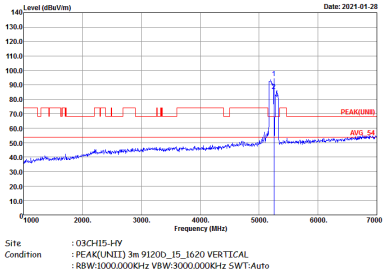
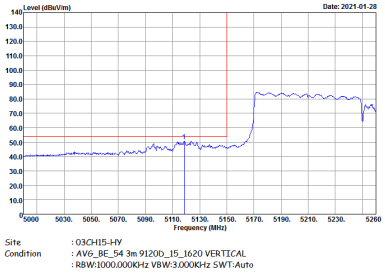
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

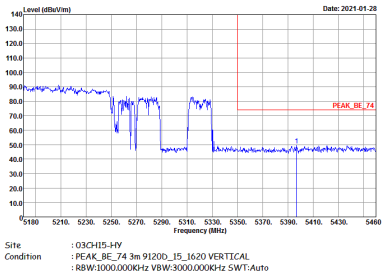
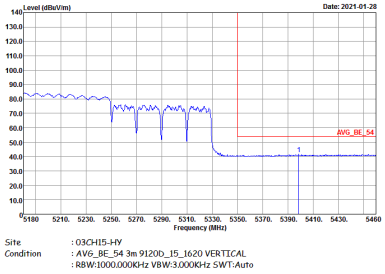
Band 1 5150~5250MHz

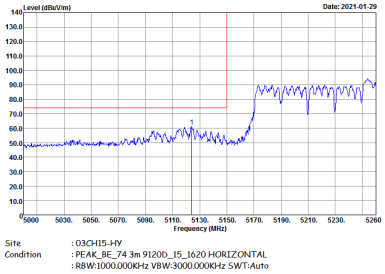
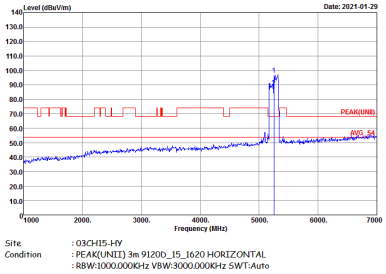
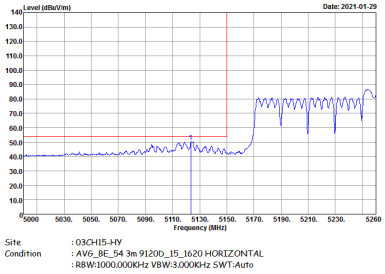
WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

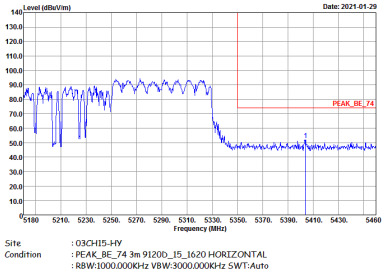
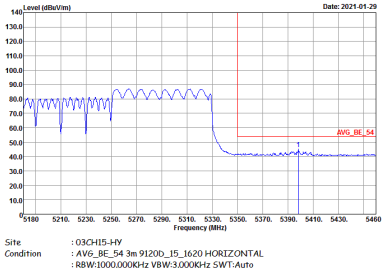
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

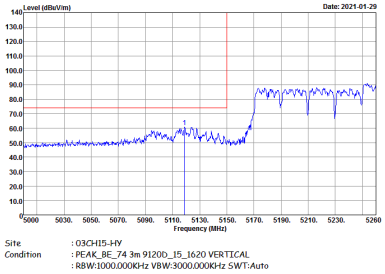
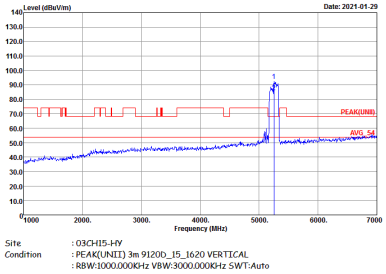
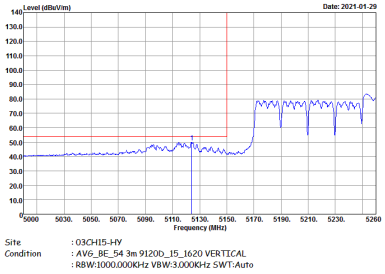
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

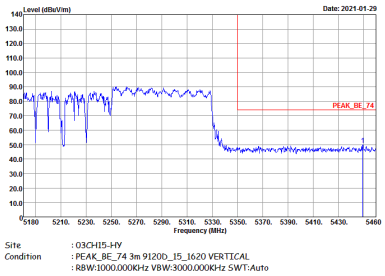
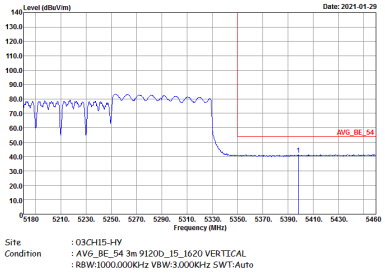
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH50 5250MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/S67 CH50 5250MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

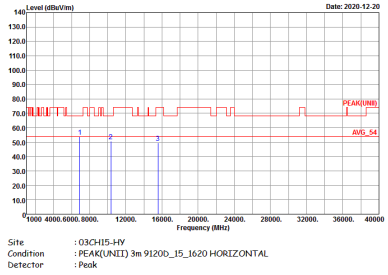
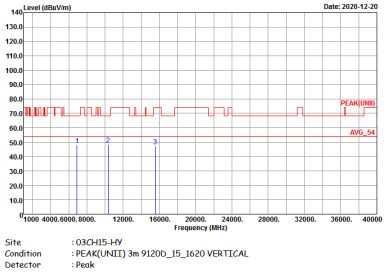
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/S67 CH50 5250MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

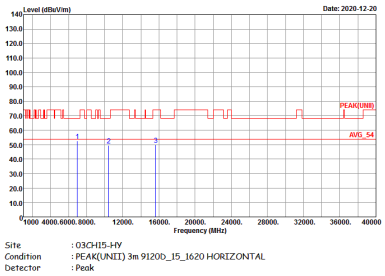
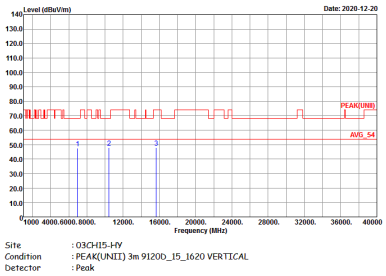
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/S67 CH50 5250MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

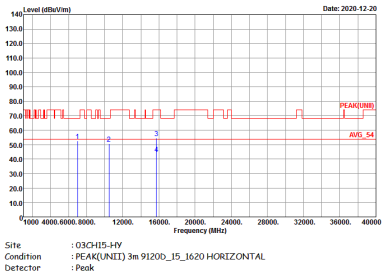
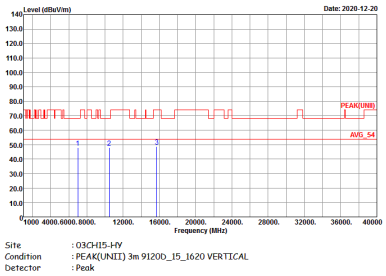
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/S67 CH50 5250MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

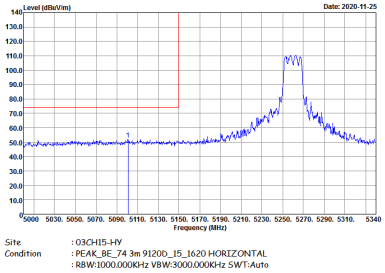
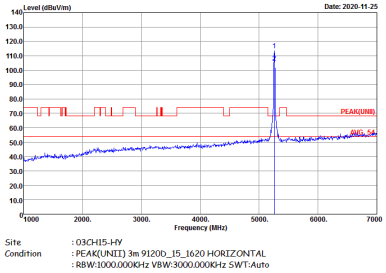
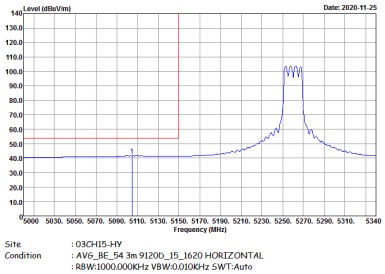
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+5	Horizontal	Vertical
Peak Avg.		

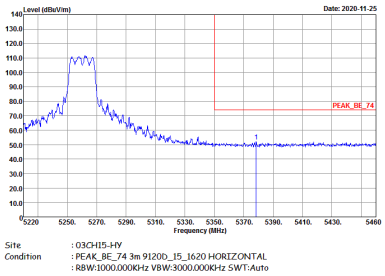
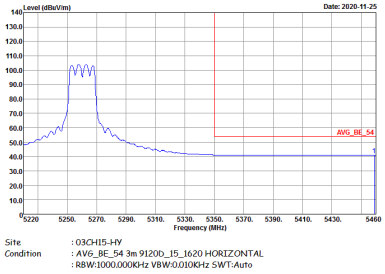
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+5	Horizontal	Vertical
Peak Avg.		

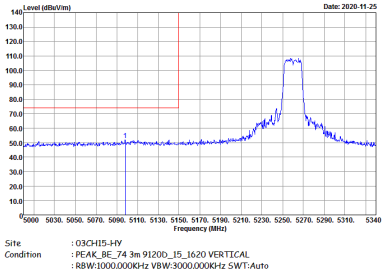
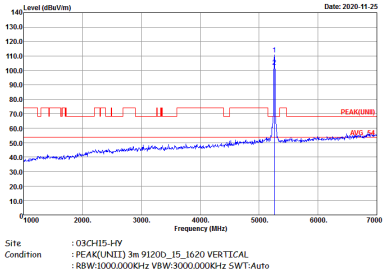
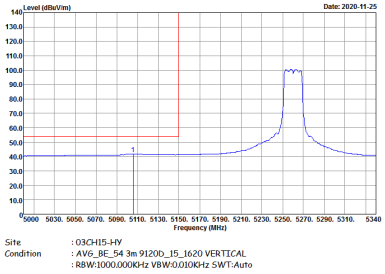
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+5	Horizontal	Vertical
Peak Avg.		

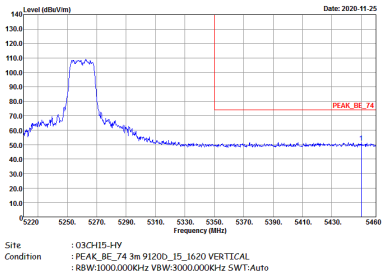
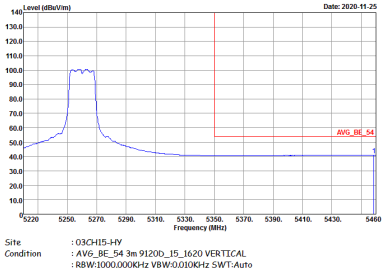
Band 2 - 5250~5350MHz

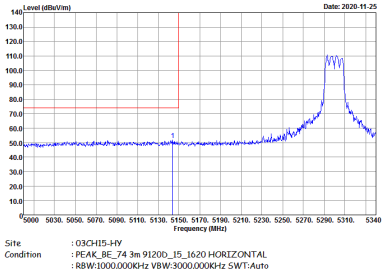
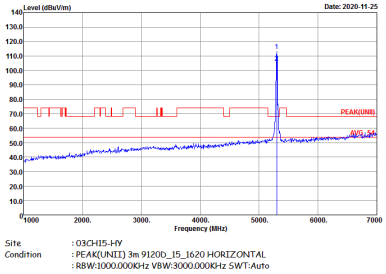
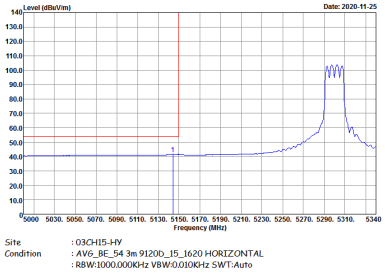
WIFI 802.11a (Band Edge @ 3m)

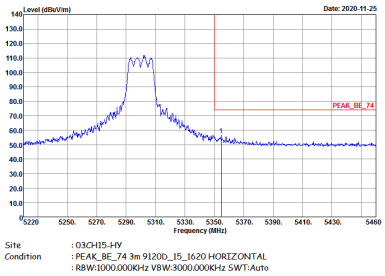
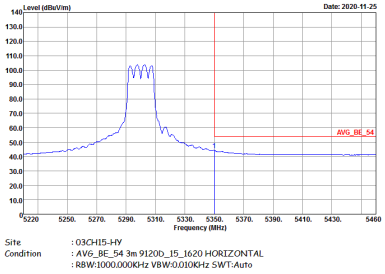
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

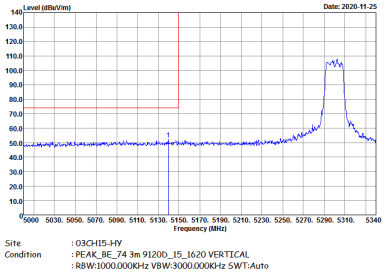
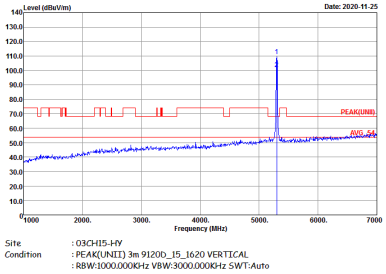
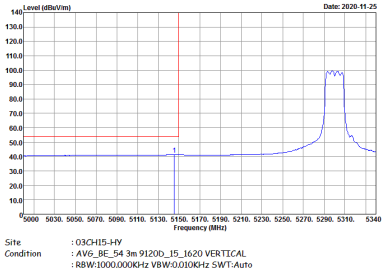
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

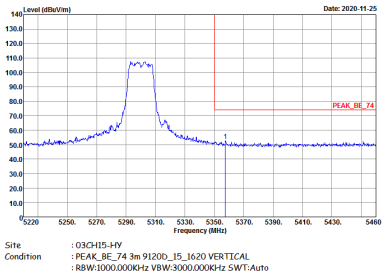
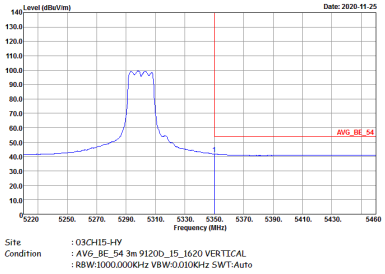
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

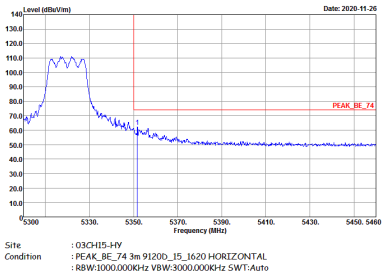
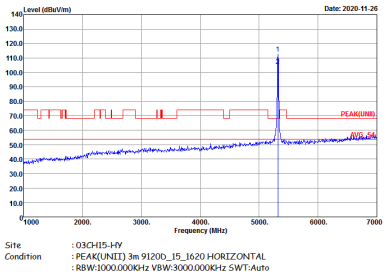
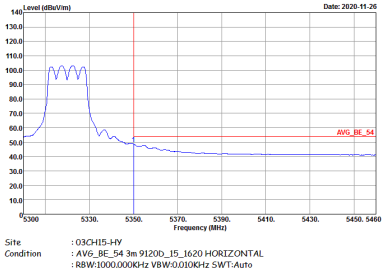
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

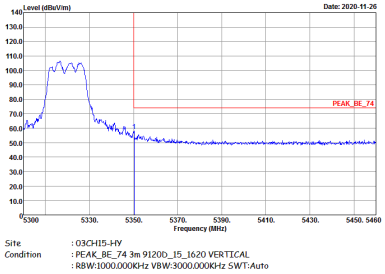
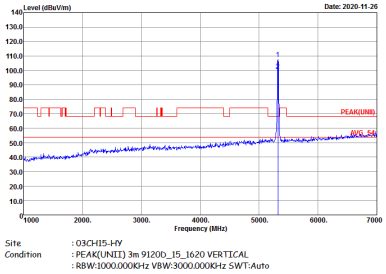
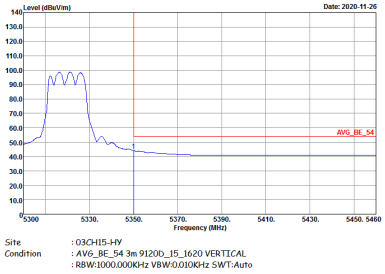
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

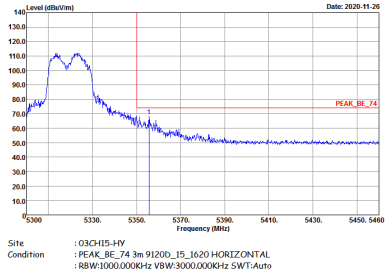
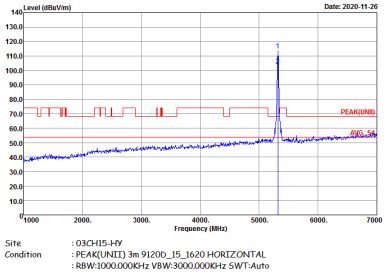
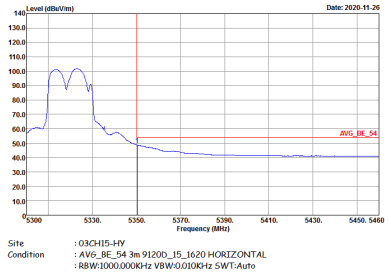
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

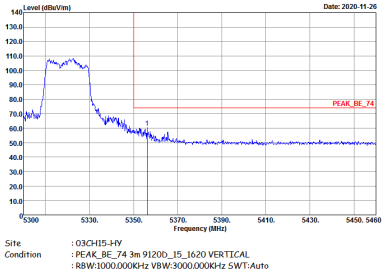
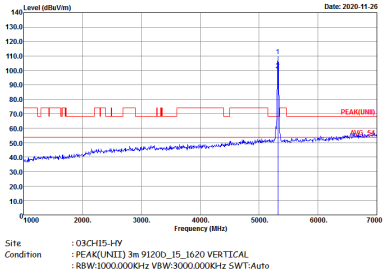
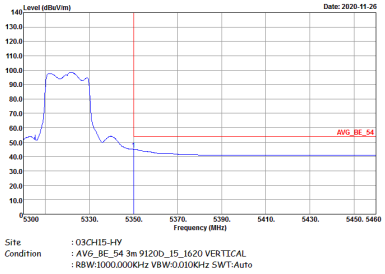
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 5250~5350MHz

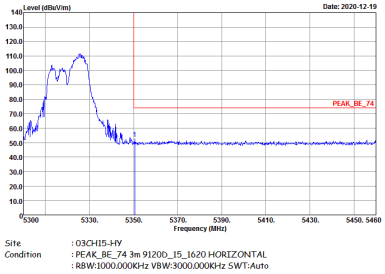
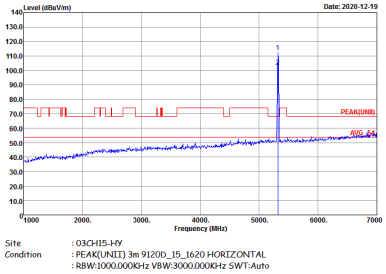
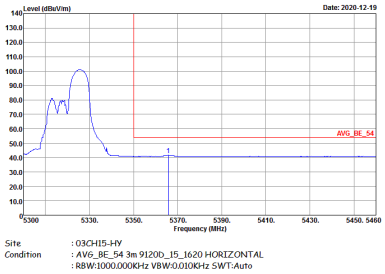
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

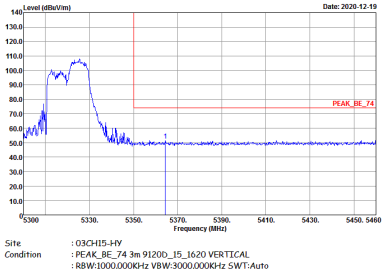
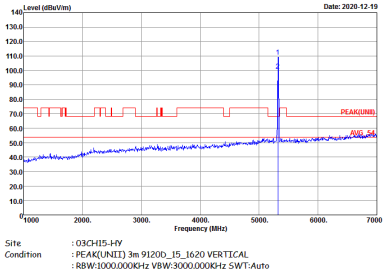
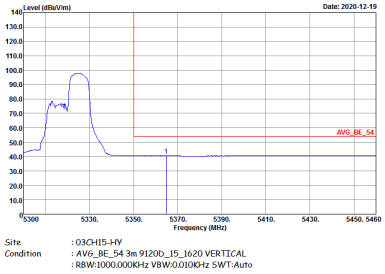
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

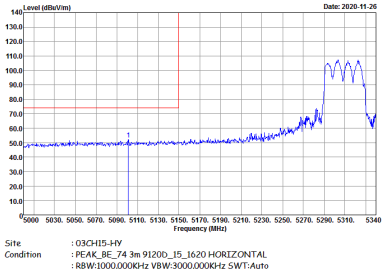
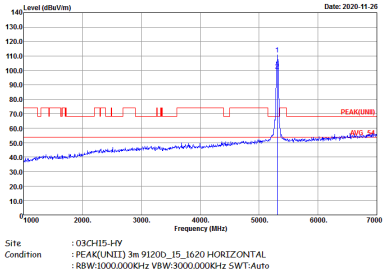
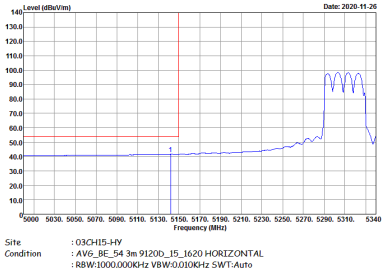
Band 2 - 5250~5350MHz

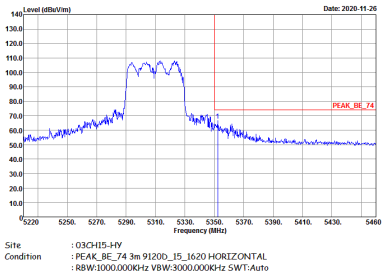
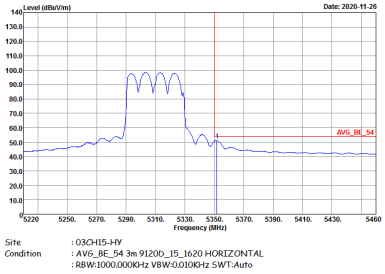
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

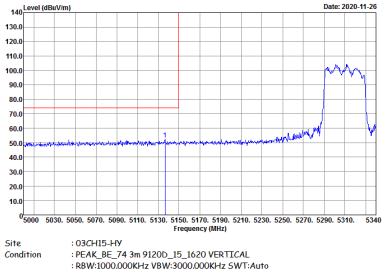
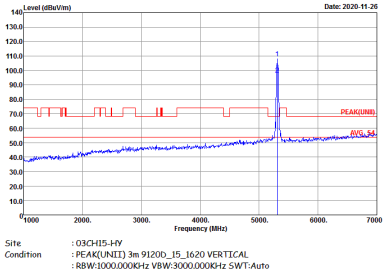
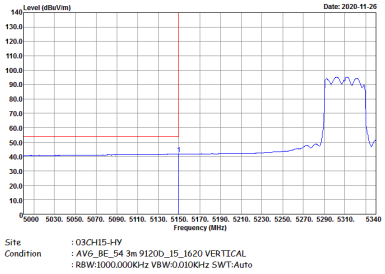
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

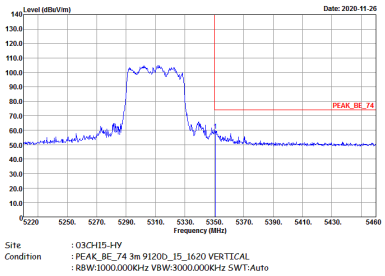
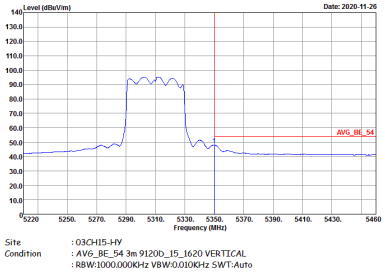
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 5250~5350MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

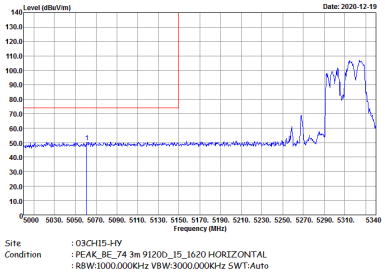
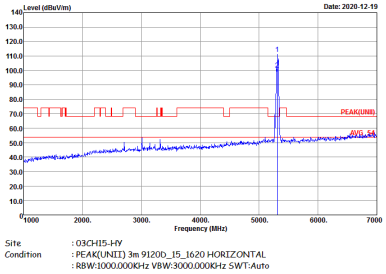
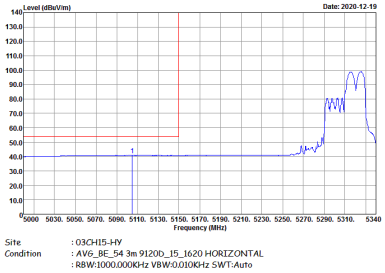
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

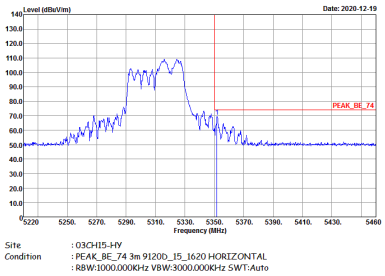
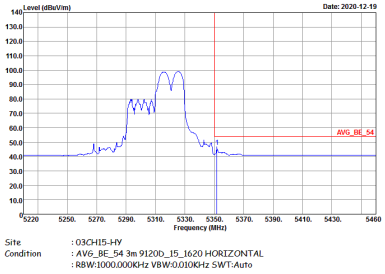
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

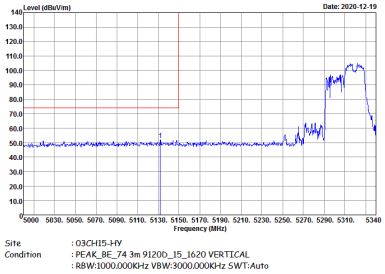
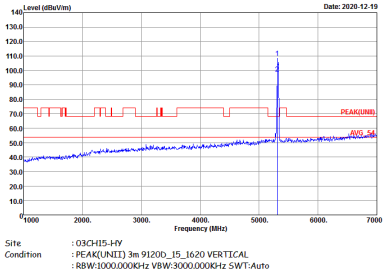
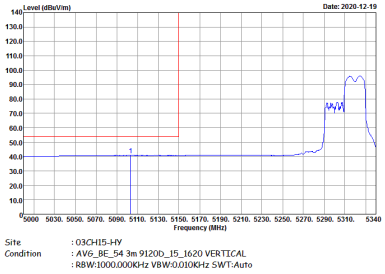
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

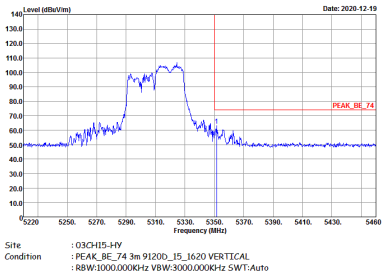
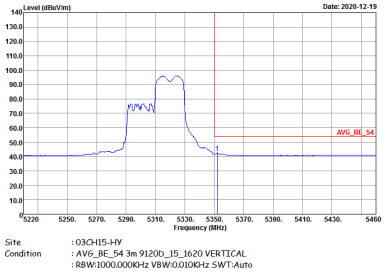
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

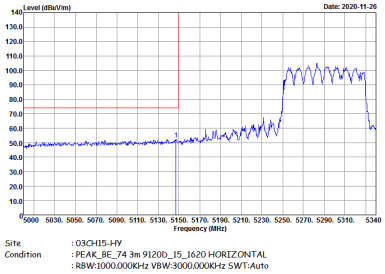
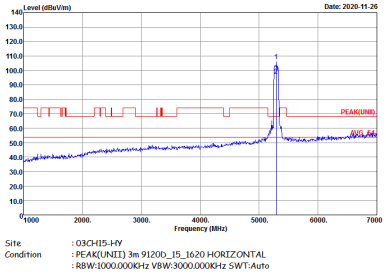
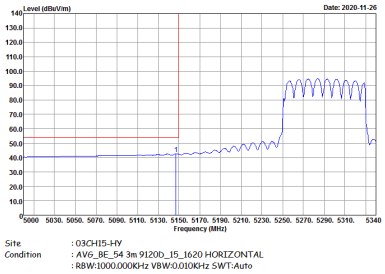
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

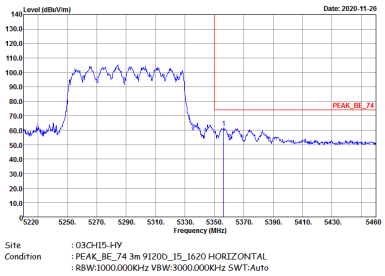
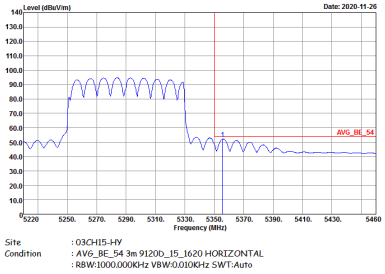
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

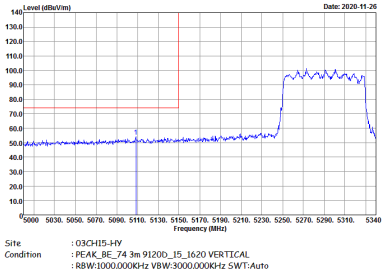
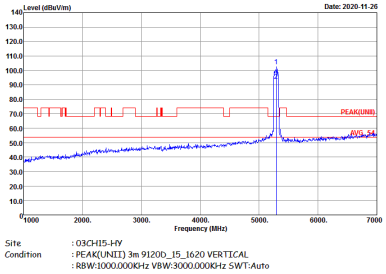
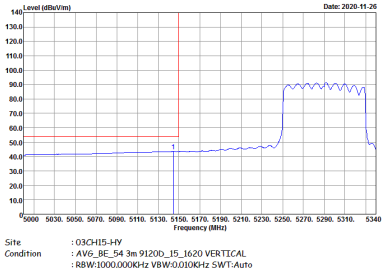
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

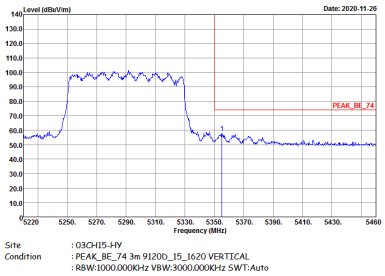
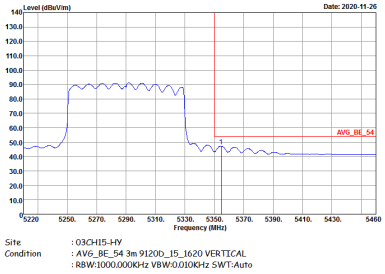
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

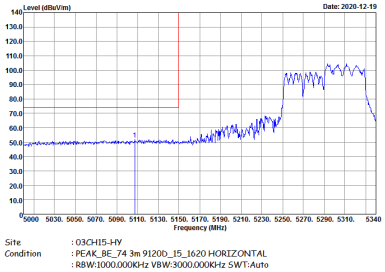
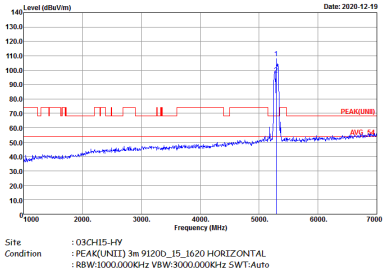
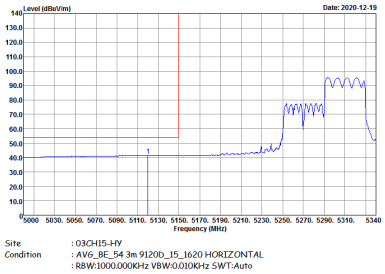
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

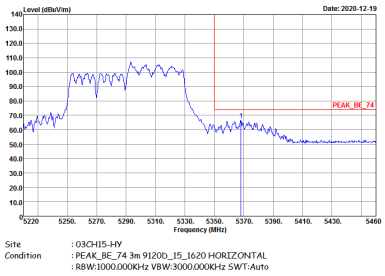
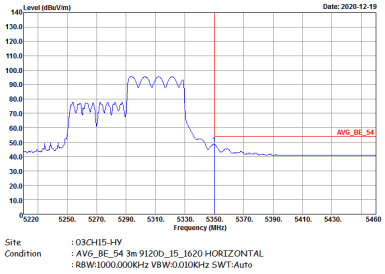
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

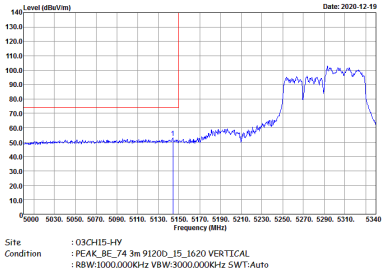
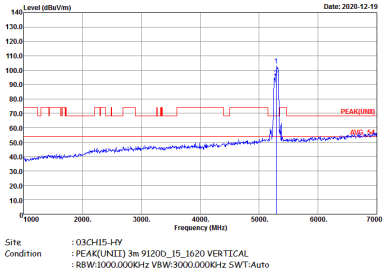
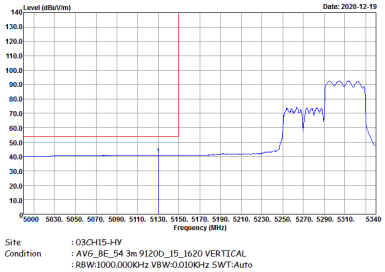
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

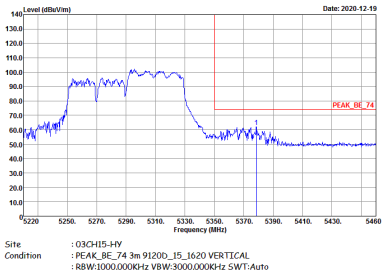
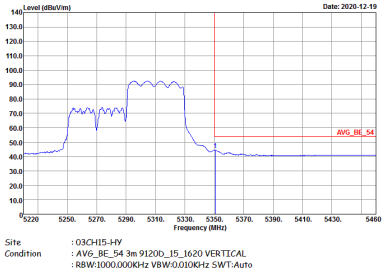
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

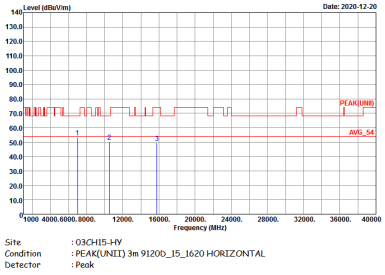
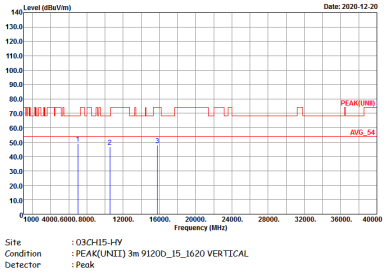
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

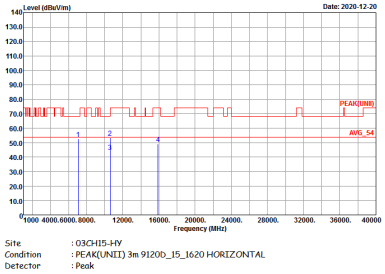
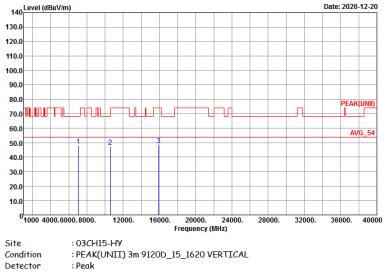
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

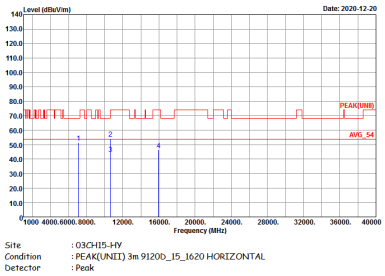
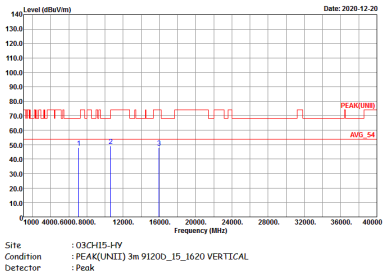
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

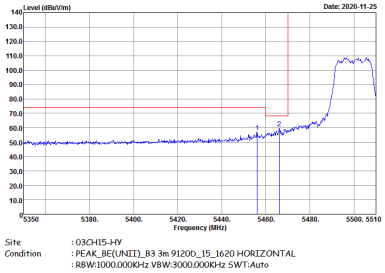
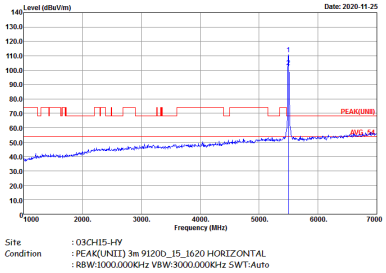
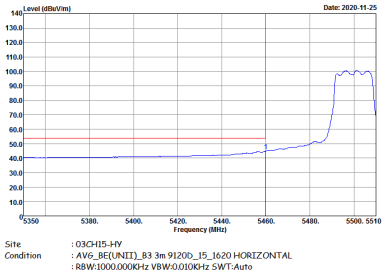
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4+5	Horizontal	Vertical
Peak Avg.		

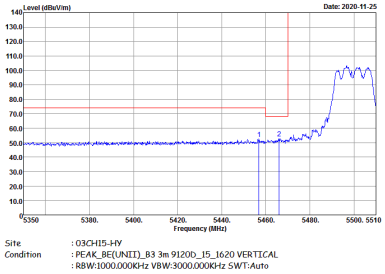
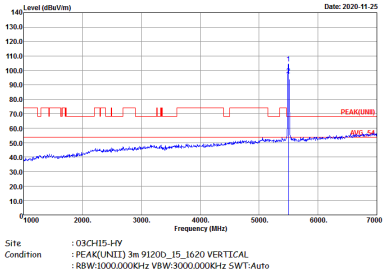
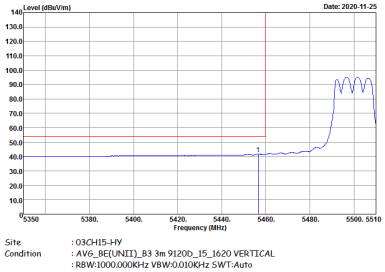
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4+5	Horizontal	Vertical
Peak Avg.		

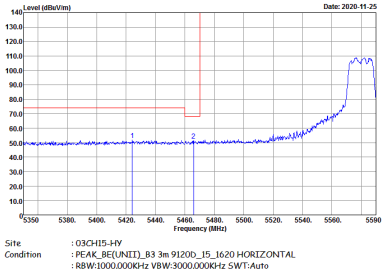
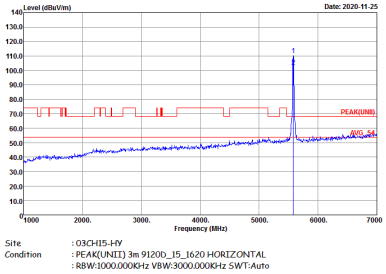
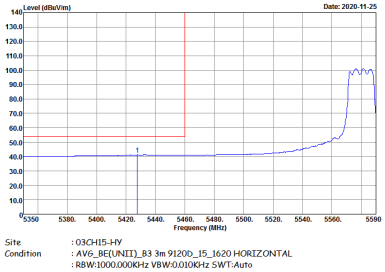
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4+5	Horizontal	Vertical
Peak Avg.		

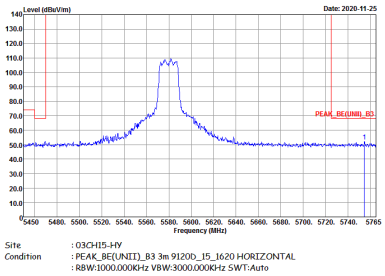
Band 3 - 5470~5725MHz

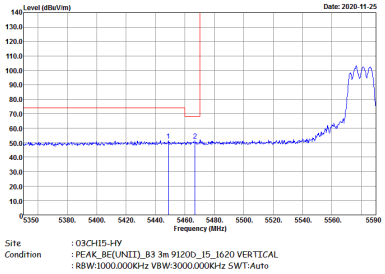
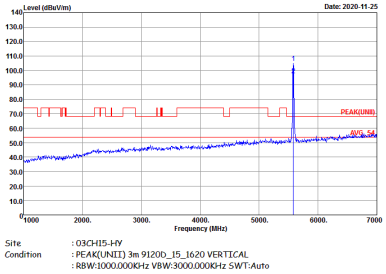
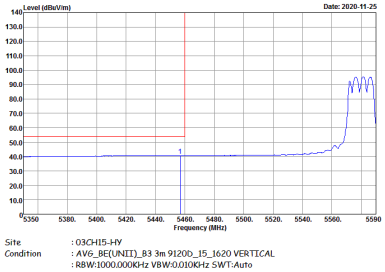
WIFI 802.11a (Band Edge @ 3m)

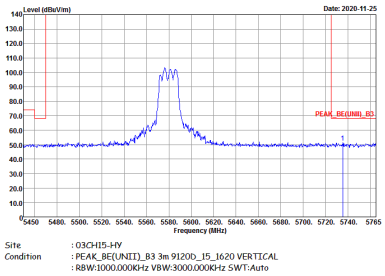
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

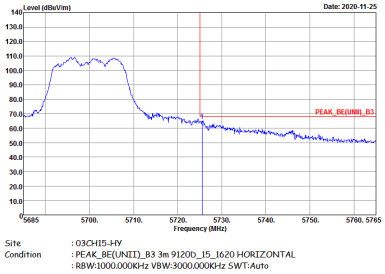
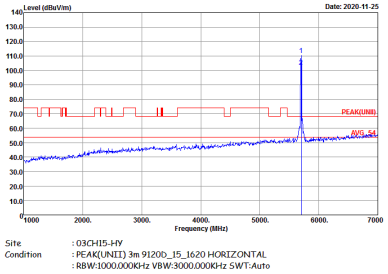
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

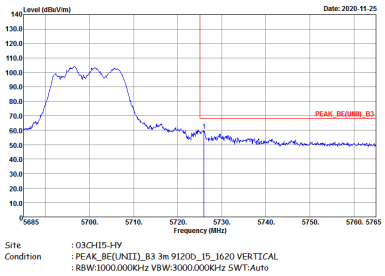
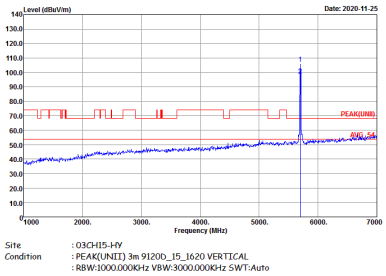
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

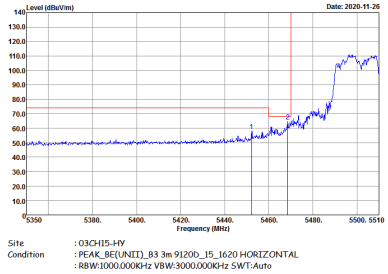
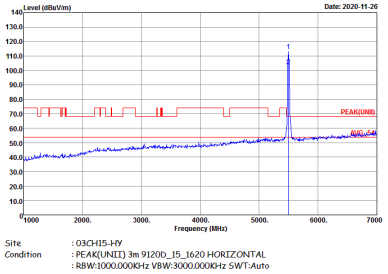
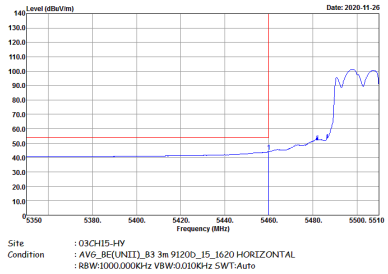
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank

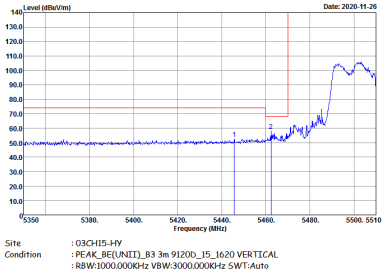
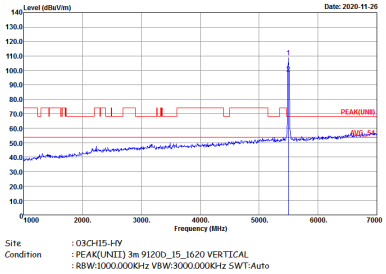
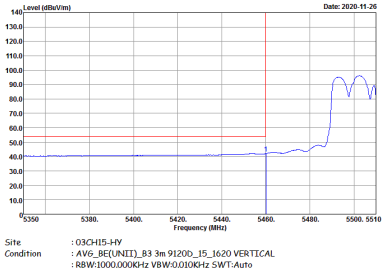
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+5	Horizontal	Fundamental
Peak		

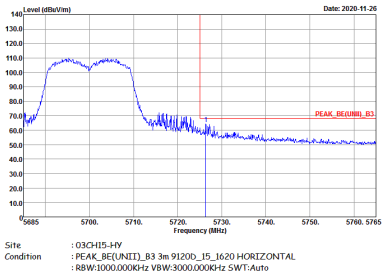
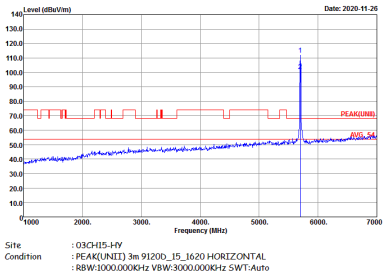
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+5	Vertical	Fundamental
Peak		

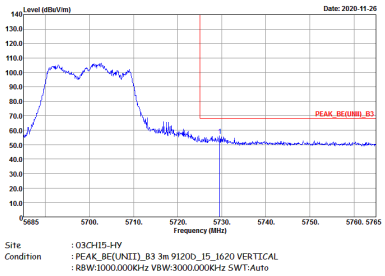
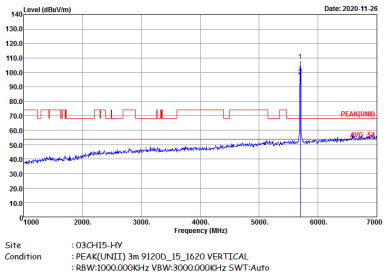
Band 3 5470~5725MHz

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH100 5500MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

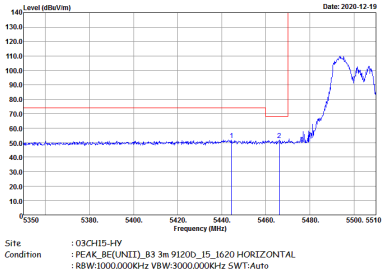
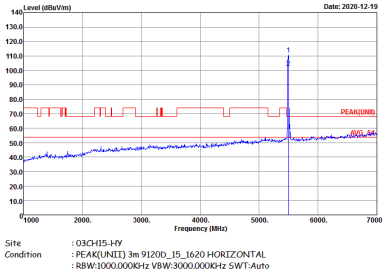
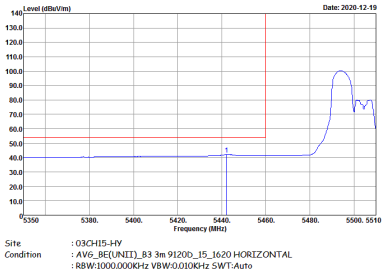
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH100 5500MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

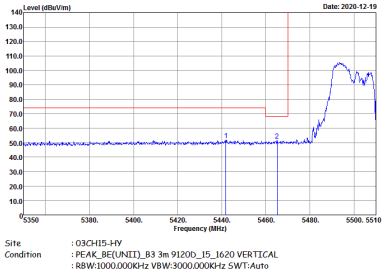
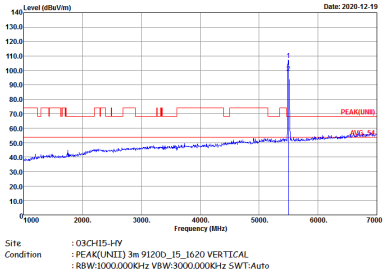
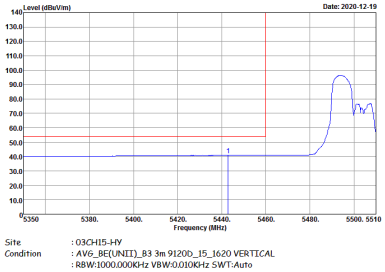
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH140 5700MHz	
4+5	Horizontal	Fundamental
Peak		

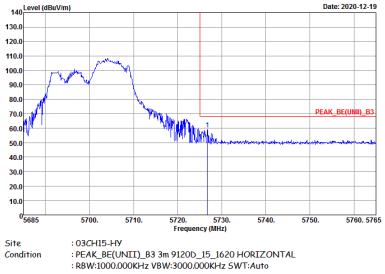
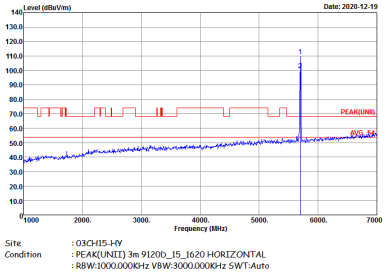
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH140 5700MHz	
4+5	Vertical	Fundamental
Peak		

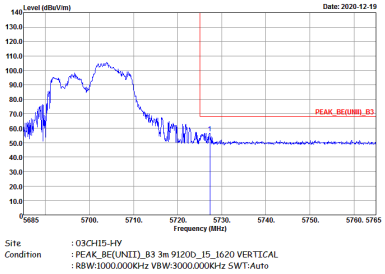
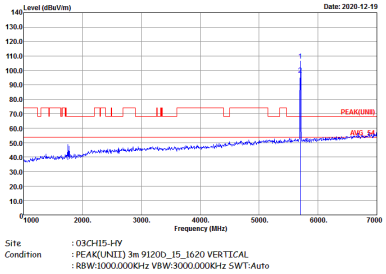
Band 3 - 5470~5725MHz

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

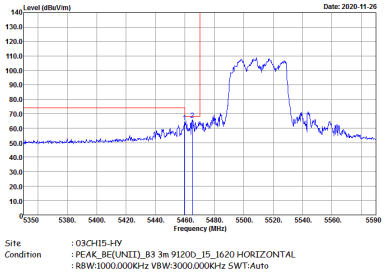
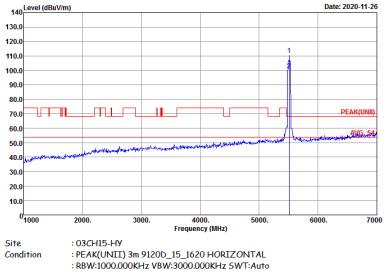
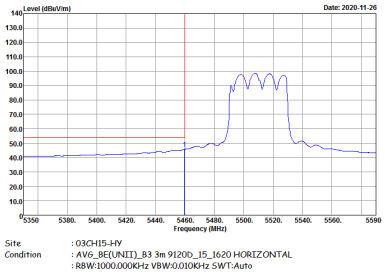
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH100 5500MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

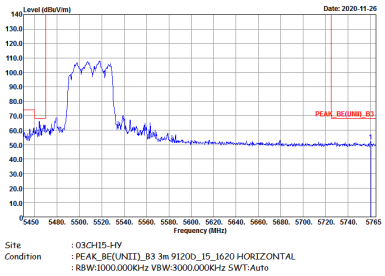
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH100 5500MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

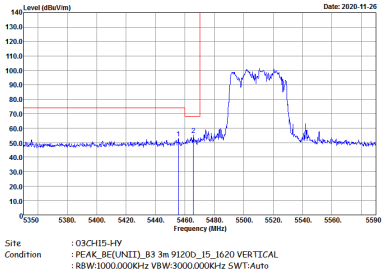
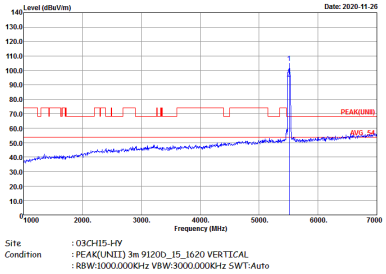
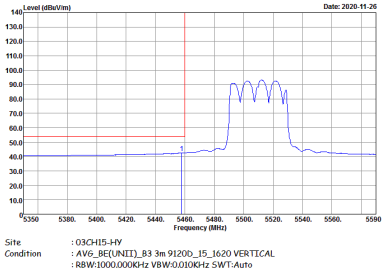
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH140 5700MHz	
4+5	Horizontal	Fundamental
Peak		

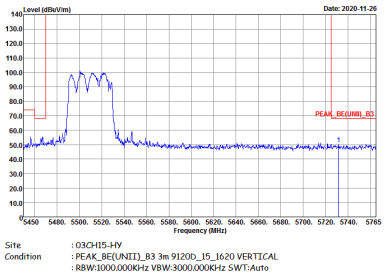
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH140 5700MHz	
4+5	Vertical	Fundamental
Peak		

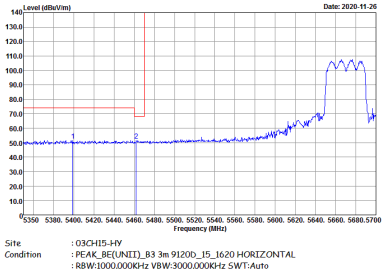
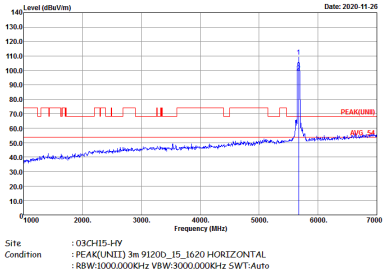
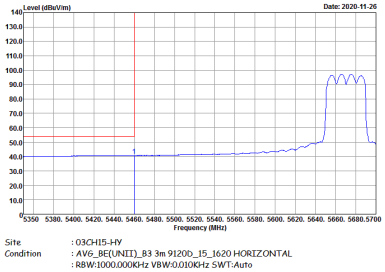
Band 3 5470~5725MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

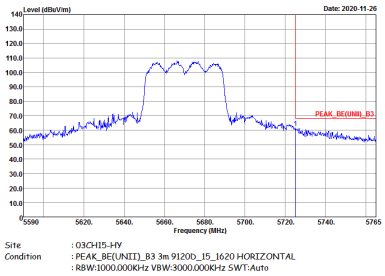
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

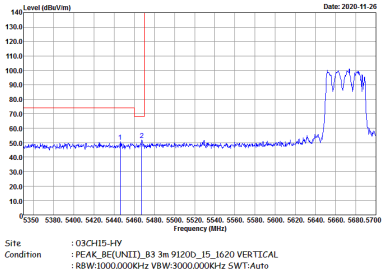
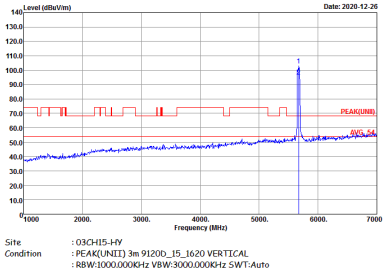
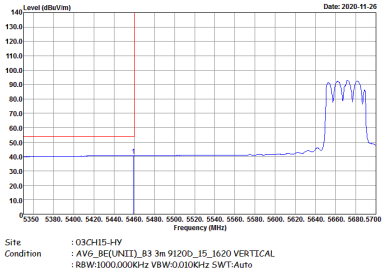
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank

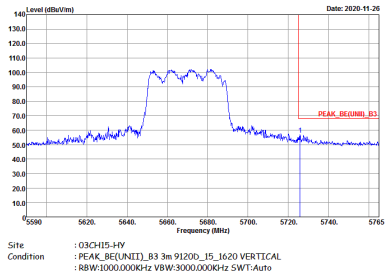
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH102 5510MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

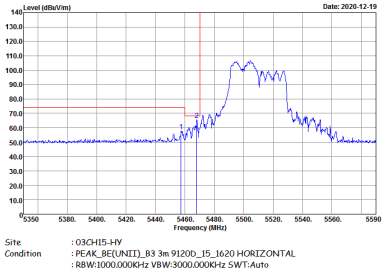
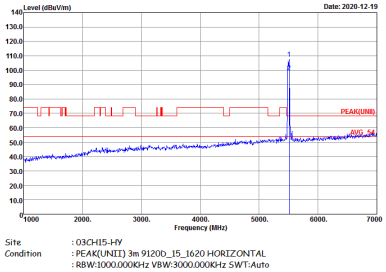
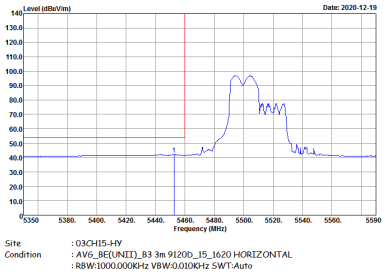
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank

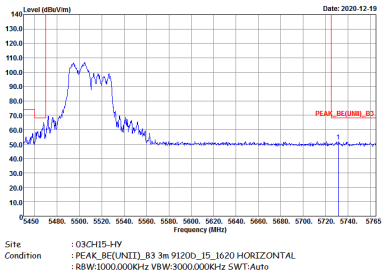
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

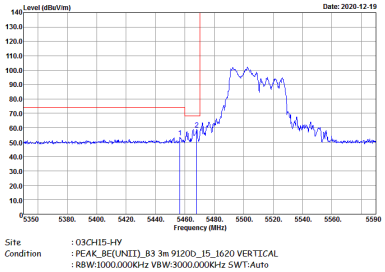
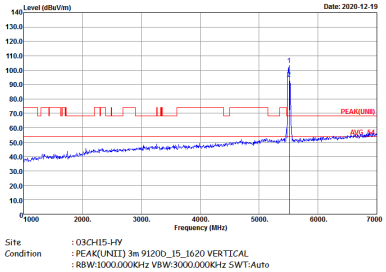
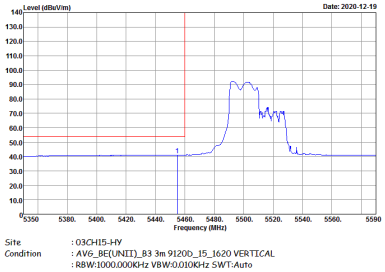
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH134 5670MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank

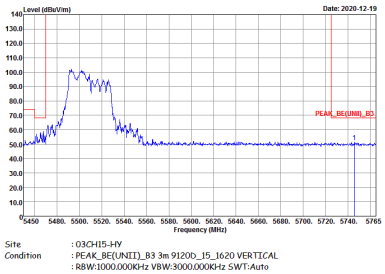
Band 3 5470~5725MHz

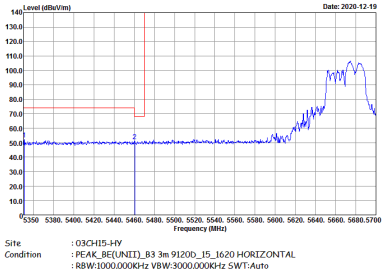
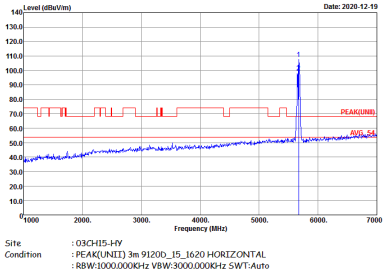
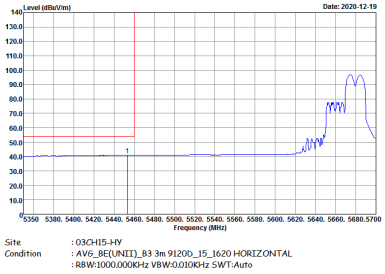
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

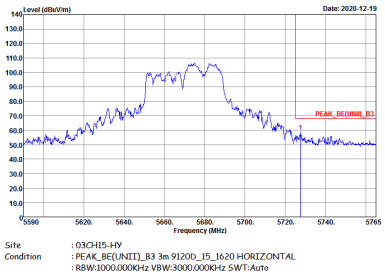
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH102 5510MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

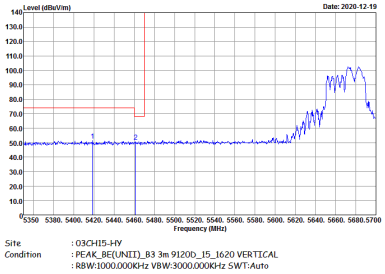
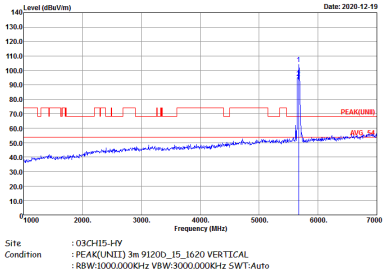
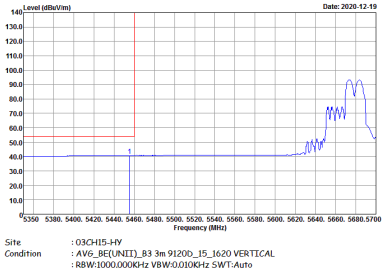
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH102 5510MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank

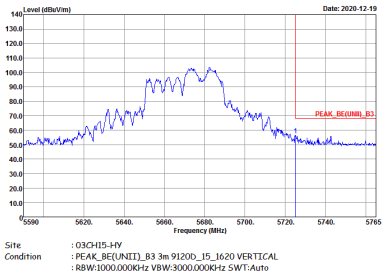
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH102 5510MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH102 5510MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH134 5670MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

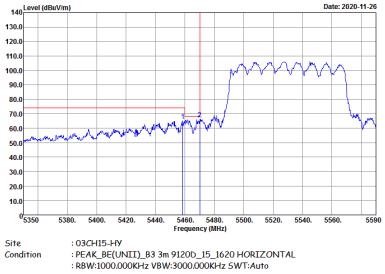
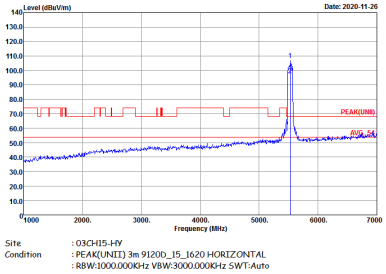
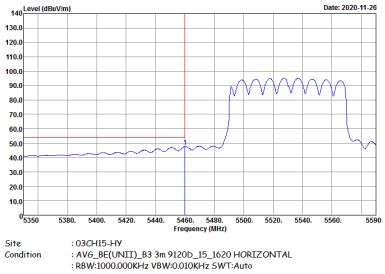
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH134 5670MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank

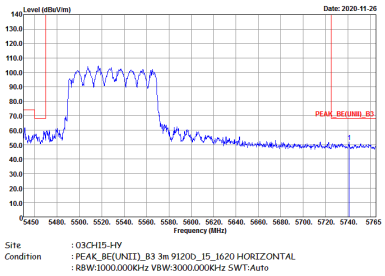
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH134 5670MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

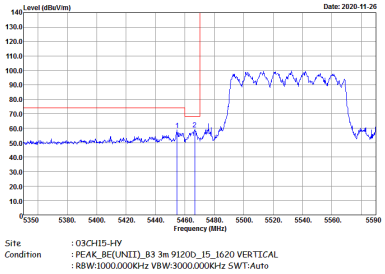
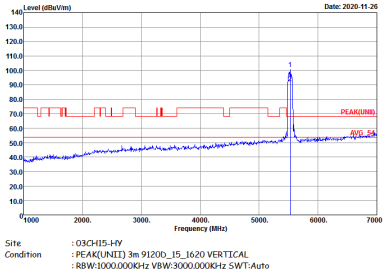
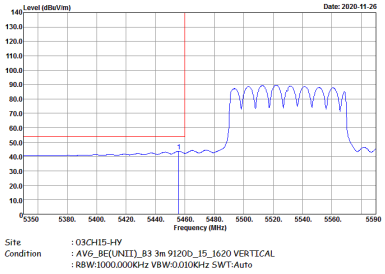
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH134 5670MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank

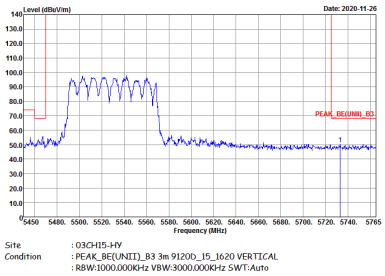
Band 3 5470~5725MHz

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

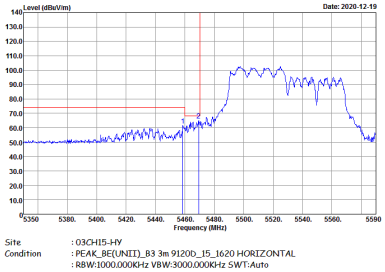
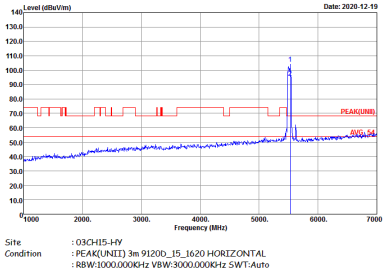
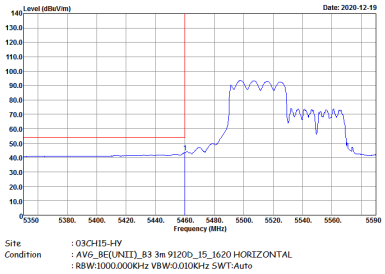
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH106 5530MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank

Band 3 5470~5725MHz

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH106 5530MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank