



FCC RADIO TEST REPORT

FCC ID : 2ABZ2-EE149
Equipment : Smart Phone
Brand Name : ONEPLUS
Model Name : IN2019
Applicant : OnePlus Technology (Shenzhen) Co., Ltd
18C02, 18C03, 18C04 and 18C05, Shum Yip Terra
Building, Binhe Avenue North, Futian District, Shenzhen
Manufacturer : OnePlus Technology (Shenzhen) Co., Ltd
18C02, 18C03, 18C04 and 18C05, Shum Yip Terra
Building, Binhe Avenue North, Futian District, Shenzhen
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 03, 2020 and testing was started from Jan. 09, 2020 and completed on Feb. 26, 2020. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	5
1.3 Testing Location	6
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency and Channel	7
2.2 Test Mode.....	8
2.3 Connection Diagram of Test System.....	9
2.4 Support Unit used in test configuration and system	9
2.5 EUT Operation Test Setup	10
2.6 Measurement Results Explanation Example.....	10
3 Test Result	11
3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement	11
3.2 Maximum Conducted Output Power Measurement	14
3.3 Power Spectral Density Measurement	15
3.4 Unwanted Emissions Measurement.....	18
3.5 AC Conducted Emission Measurement.....	23
3.6 Automatically Discontinue Transmission	25
3.7 Antenna Requirements	26
4 List of Measuring Equipment.....	27
5 Uncertainty of Evaluation	29
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issued Date
FR9D0701F	01	Initial issue of report	Mar. 06, 2020



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403 (i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407 (a)	Maximum Conducted Output Power	Pass	-
3.3	15.407 (a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 11.29 dB at 5647.500 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 14.26 dB at 13.198 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: Lucy Wu



1 General Description

1.1 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	
Antenna Type	WWAN: Loop / IFA Antenna WLAN 2.4GHz: <Ant. 1> Couple Loop Antenna <Ant. 2> Monopole Antenna WLAN 5GHz: <Ant. 1> Couple Loop Antenna <Ant. 2> Loop Antenna Bluetooth: Couple Loop Antenna GPS / Glonass / BDS / Galileo / SBAS: Couple Loop Antenna NFC: Coil Antenna

1.2 Modification of EUT

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



1.3 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.	
	03CH11-HY	

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

FCC designation No.: TW1190 and TW0007

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

Note:

- 1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40.
- 2. The above Frequency and Channel in "#n" were 802.11ac VHT80.



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
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + USB Cable 2 (Charging from AC Adapter 3)
Remark: For Radiated Test Cases, the tests were performed with Adapter 3, and USB Cable 3.	

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

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	Trade 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,1.8m
4.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



2.5 EUT Operation Test Setup

The RF test items, utility “QSPR v5.0-00188” 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.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

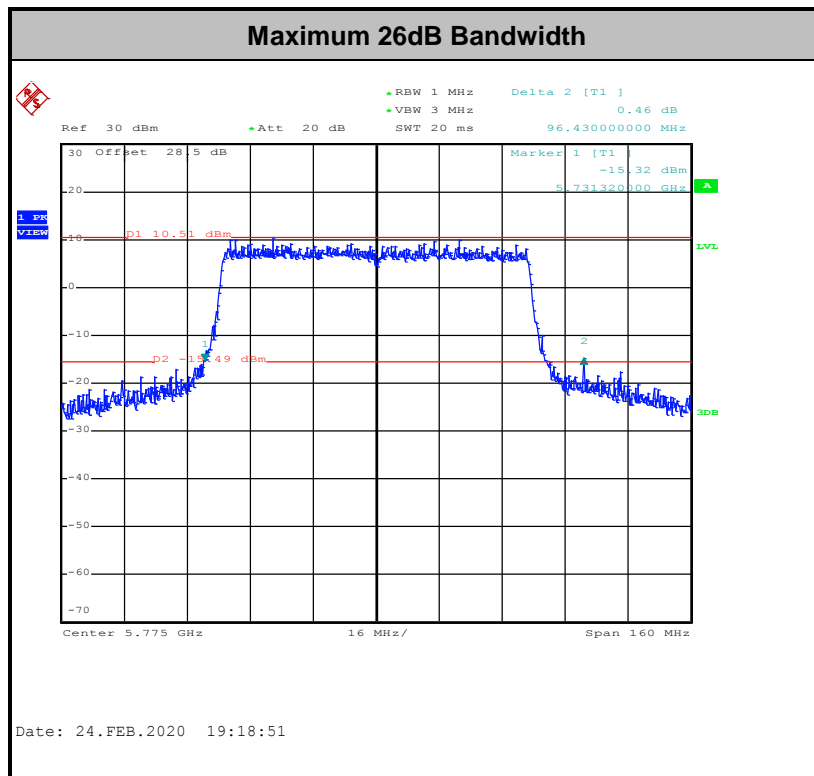
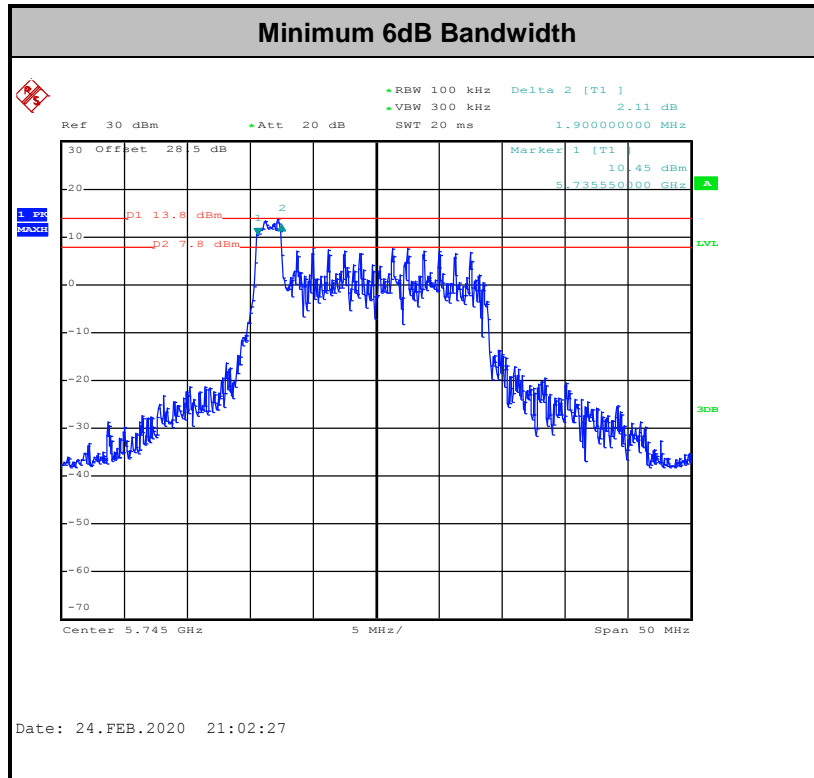
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is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

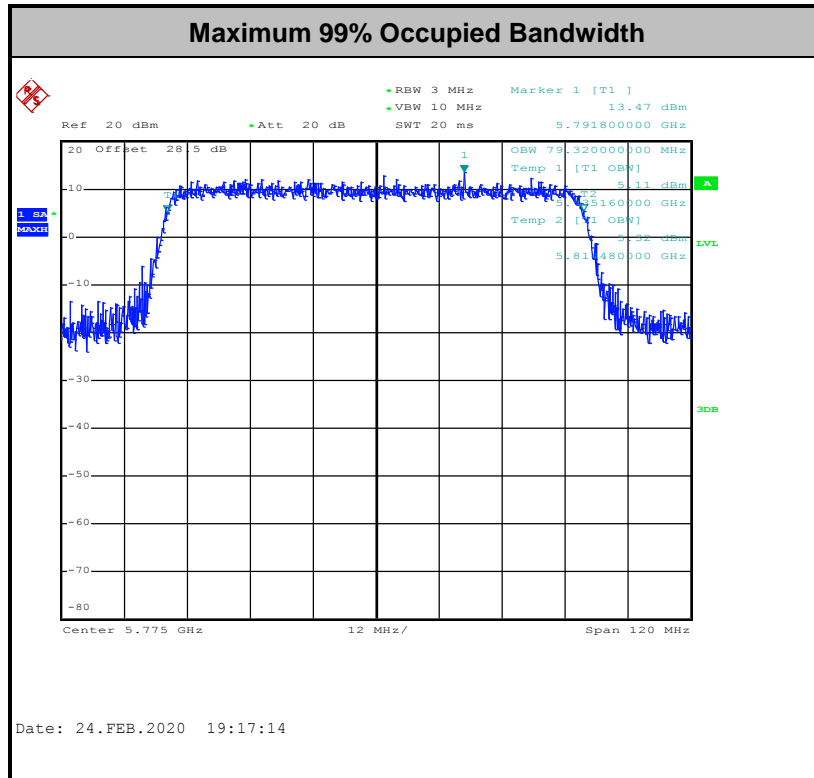
3.1.4 Test Setup



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

Please refer to Appendix A.





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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

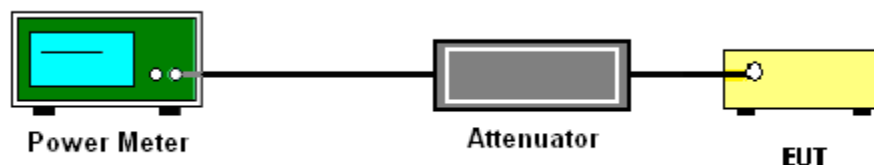
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

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

3.3.2 Measuring Instruments

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):

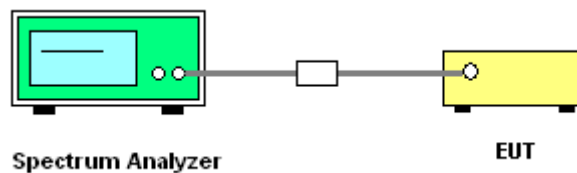
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW \geq 1 MHz.
- Number of points in sweep \geq 2 Span / RBW.
- Sweep time \leq (number of points in sweep) \times T, when duty cycle is less than 98 percent where T is the minimum transmission duration 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 (c): Measure and add $10 \log(N_{\text{ANT}})$ dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit.

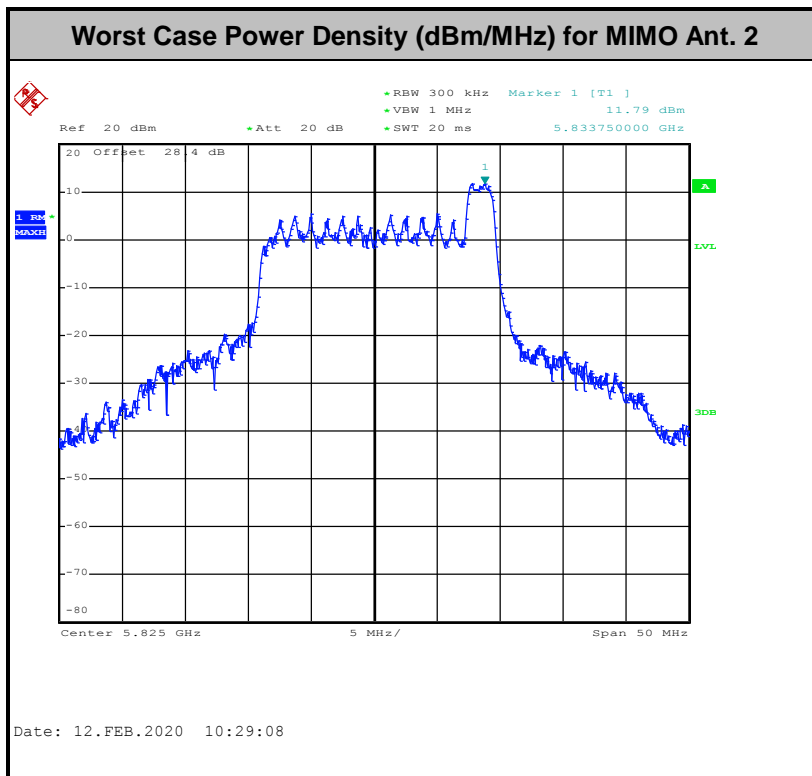
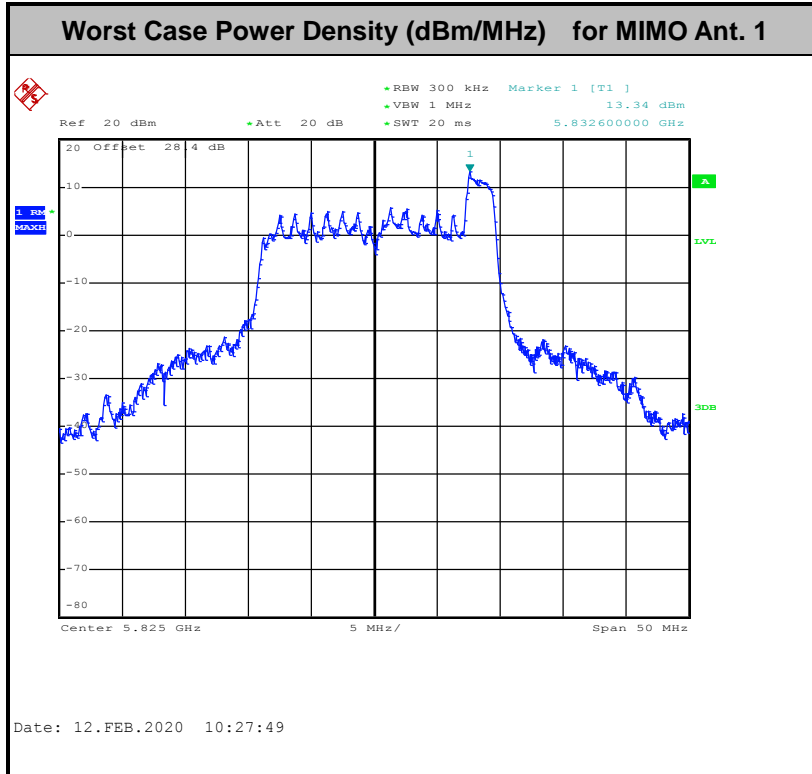
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.





3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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



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.



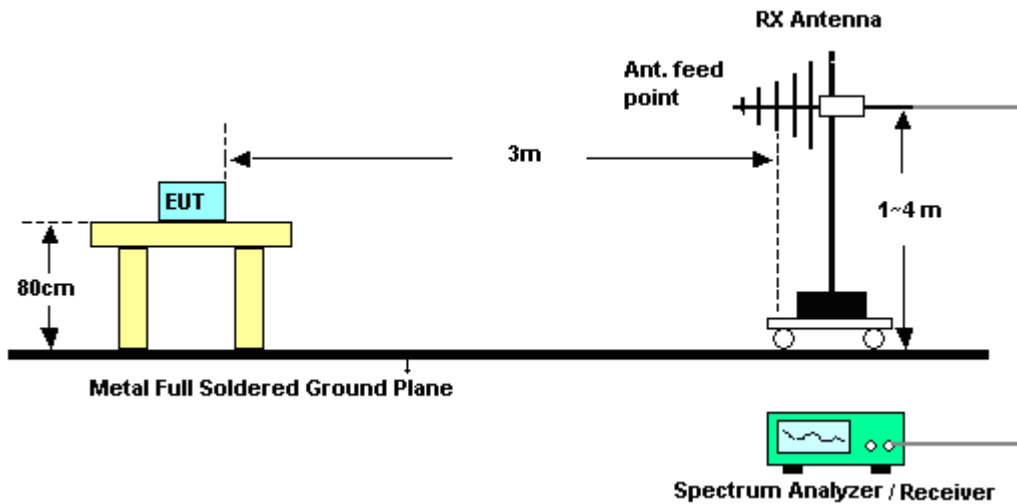
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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

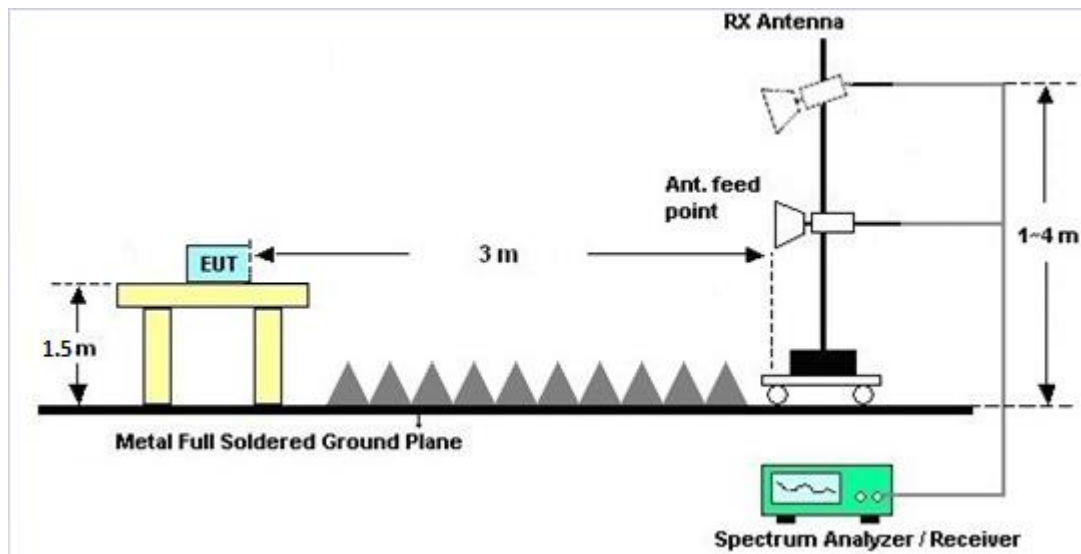
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated 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 Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

3.5.2 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.

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 1	Ant. 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	-1.20	-3.00	-1.20	0.96	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Jan. 09, 2020~ Feb. 25, 2020	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Jan. 09, 2020~ Feb. 25, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Aug. 14, 2019	Jan. 09, 2020~ Feb. 25, 2020	Aug. 13, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC120838 2	N/A	Mar. 27, 2019	Jan. 09, 2020~ Feb. 25, 2020	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 11, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jan. 11, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Jan. 11, 2020	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jan. 11, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 11, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jan. 11, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jan. 11, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Preamplifier	EMCE	EMC184045B	980192	18GHz ~ 40GHz	Aug. 01, 2019	Jan. 23, 2020~ Feb. 26, 2020	Jul. 31, 2020	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 03, 2019	Jan. 23, 2020~ Feb. 26, 2020	Dec. 02, 2020	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	41912 & 05	30MHz~1GHz	Feb. 12, 2019	Jan. 23, 2020~ Feb. 10, 2020	Feb. 11, 2020	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	41912 & 05	30MHz~1GHz	Feb. 09, 2020	Feb. 11, 2020~ Feb. 26, 2020	Feb. 08, 2021	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 6	1GHz ~ 18GHz	Nov. 04, 2019	Jan. 23, 2020~ Feb. 26, 2020	Nov. 03, 2020	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 09, 2020	Jan. 23, 2020~ Feb. 26, 2020	Jan. 08, 2021	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY532700 80	1GHz~26.5GHz	Nov. 13, 2019	Jan. 23, 2020~ Feb. 26, 2020	Nov. 12, 2020	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 86	10Hz ~ 44GHz	Oct. 28, 2019	Jan. 23, 2020~ Feb. 26, 2020	Oct. 27, 2020	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 23, 2020~ Feb. 26, 2020	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Jan. 23, 2020~ Feb. 26, 2020	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jan. 23, 2020~ Feb. 26, 2020	N/A	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550 004	1GHz~18GHz	Apr. 16, 2019	Jan. 23, 2020~ Feb. 26, 2020	Apr. 15, 2020	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 576	18GHz- 40GHz	May 14, 2019	Jan. 23, 2020~ Feb. 26, 2020	May 13, 2020	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY554201 70	20MHz~8.4GHz	Mar. 08, 2019	Jan. 23, 2020~ Feb. 26, 2020	Mar. 07, 2020	Radiation (03CH11-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Software	Audix	E3 6.2009-8-24	RK-00105 3	N/A	N/A	Jan. 23, 2020~ Feb. 26, 2020	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz-30MHz	Mar. 13, 2019	Jan. 23, 2020~ Feb. 26, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 13, 2019	Jan. 23, 2020~ Feb. 26, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	30M-18G	Mar. 13, 2019	Jan. 23, 2020~ Feb. 26, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Jan. 23, 2020~ Feb. 26, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN11	1.53G Low Pass	Sep. 15, 2019	Jan. 23, 2020~ Feb. 26, 2020	Sep. 14, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000 -40SS	SN3	6.75GHz High Pass	Sep. 16, 2019	Jan. 23, 2020~ Feb. 26, 2020	Sep. 15, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP140325	N/A	Nov. 07, 2019	Jan. 23, 2020~ Feb. 26, 2020	Nov. 06, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP161237	N/A	Oct. 25, 2019	Jan. 23, 2020~ Feb. 26, 2020	Oct. 24, 2020	Radiation (03CH11-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.00
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.12
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kathy Chen / Kai Liao	Temperature:	21~25	°C
Test Date:	2020/01/10 ~ 2020/02/25	Relative Humidity:	51~54	%

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

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	149	5745	16.45	16.40	20.70	20.80	15.50	15.60	0.5	Pass
11a	6Mbps	2	157	5785	16.50	16.45	20.90	21.20	15.35	15.50	0.5	Pass
11a	6Mbps	2	165	5825	16.45	16.45	21.15	20.70	15.50	16.00	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	16.90	16.90	19.91	30.00		-1.20	Pass	
11a	6Mbps	2	157	5785	16.90	16.80	19.86	30.00		-1.20	Pass	
11a	6Mbps	2	165	5825	16.90	16.80	19.86	30.00		-1.20	Pass	
HT20	MCS0	2	149	5745	16.70	16.60	19.66	30.00		-1.20	Pass	
HT20	MCS0	2	157	5785	16.80	16.80	19.81	30.00		-1.20	Pass	
HT20	MCS0	2	165	5825	16.80	16.50	19.66	30.00		-1.20	Pass	
HT40	MCS0	2	151	5755	16.70	16.70	19.71	30.00		-1.20	Pass	
HT40	MCS0	2	159	5795	16.70	16.60	19.66	30.00		-1.20	Pass	
VHT20	MCS0	2	149	5745	16.60	16.50	19.56	30.00		-1.20	Pass	
VHT20	MCS0	2	157	5785	16.60	16.60	19.61	30.00		-1.20	Pass	
VHT20	MCS0	2	165	5825	16.70	16.40	19.56	30.00		-1.20	Pass	
VHT40	MCS0	2	151	5755	16.60	16.60	19.61	30.00		-1.20	Pass	
VHT40	MCS0	2	159	5795	16.60	16.40	19.51	30.00		-1.20	Pass	
VHT80	MCS0	2	155	5775	15.80	15.30	18.57	30.00		-1.20	Pass	

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	2.22	7.63	6.51	10.64	30.00	0.96	Pass			
11a	6Mbps	2	157	5785	2.22	8.64	7.19	11.65	30.00	0.96	Pass			
11a	6Mbps	2	165	5825	2.22	7.32	6.60	10.33	30.00	0.96	Pass			

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

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

Band IV MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	19.15	19.20	34.30	35.85	18.90	18.90	0.5	Pass
HE20	MCS0	2	149	5745	26/0	18.30	18.35	23.80	23.80	2.00	1.90	0.5	Pass
HE20	MCS0	2	149	5745	52/37	18.15	18.05	23.70	24.00	17.00	16.90	0.5	Pass
HE20	MCS0	2	149	5745	106/53	18.00	17.90	22.90	22.50	17.00	17.00	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.25	19.25	39.20	39.45	18.80	18.70	0.5	Pass
HE20	MCS0	2	157	5785	26/4	16.90	16.75	21.90	21.10	2.60	2.70	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.15	19.20	38.45	31.95	18.80	18.80	0.5	Pass
HE20	MCS0	2	165	5825	26/8	18.50	18.40	24.00	24.30	2.00	10.70	0.5	Pass
HE20	MCS0	2	165	5825	52/40	18.30	18.00	24.10	24.05	16.90	16.90	0.5	Pass
HE20	MCS0	2	165	5825	106/54	18.10	18.05	22.40	22.90	17.00	17.00	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.60	38.50	64.44	68.25	38.05	37.80	0.5	Pass
HE40	MCS0	2	151	5755	242/61	37.10	37.10	40.86	41.58	36.54	36.54	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.40	38.50	66.86	63.07	37.98	37.52	0.5	Pass
HE40	MCS0	2	159	5795	242/62	37.10	37.30	41.40	41.04	36.54	36.54	0.5	Pass
HE80	MCS0	2	155	5775	Full	79.32	79.20	96.43	87.68	78.08	77.44	0.5	Pass
HE80	MCS0	2	155	5775	242/61	77.64	77.28	81.60	82.24	56.32	61.60	0.5	Pass
HE80	MCS0	2	155	5775	242/64	78.12	78.24	82.24	82.56	62.58	67.89	0.5	Pass
HE80	MCS0	2	155	5775	484/65	76.92	76.56	81.92	81.92	76.59	74.09	0.5	Pass
HE80	MCS0	2	155	5775	484/66	77.04	77.40	83.20	82.56	76.48	76.48	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	16.80	16.90	19.86	30.00		-1.20		Pass
HE20	MCS0	2	149	5745	26/0	16.70	16.90	19.81	30.00		-1.20		Pass
HE20	MCS0	2	149	5745	52/37	16.70	16.90	19.81	30.00		-1.20		Pass
HE20	MCS0	2	149	5745	106/53	16.70	16.90	19.81	30.00		-1.20		Pass
HE20	MCS0	2	157	5785	Full	16.90	16.90	19.91	30.00		-1.20		Pass
HE20	MCS0	2	157	5785	26/4	16.90	16.90	19.91	30.00		-1.20		Pass
HE20	MCS0	2	165	5825	Full	16.90	16.90	19.91	30.00		-1.20		Pass
HE20	MCS0	2	165	5825	26/8	16.80	16.90	19.86	30.00		-1.20		Pass
HE20	MCS0	2	165	5825	52/40	16.80	16.90	19.86	30.00		-1.20		Pass
HE20	MCS0	2	165	5825	106/54	16.80	16.90	19.86	30.00		-1.20		Pass
HE40	MCS0	2	151	5755	Full	16.90	16.90	19.91	30.00		-1.20		Pass
HE40	MCS0	2	151	5755	242/61	16.80	16.90	19.86	30.00		-1.20		Pass
HE40	MCS0	2	159	5795	Full	16.90	16.90	19.91	30.00		-1.20		Pass
HE40	MCS0	2	159	5795	242/62	16.80	16.90	19.86	30.00		-1.20		Pass
HE80	MCS0	2	155	5775	Full	15.90	15.90	18.91	30.00		-1.20		Pass
HE80	MCS0	2	155	5775	242/61	15.80	15.90	18.86	30.00		-1.20		Pass
HE80	MCS0	2	155	5775	242/64	15.80	15.90	18.86	30.00		-1.20		Pass
HE80	MCS0	2	155	5775	484/65	15.60	16.00	18.81	30.00		-1.20		Pass
HE80	MCS0	2	155	5775	484/66	15.80	15.70	18.76	30.00		-1.20		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	2.22	4.91	5.58	8.59		30.00		0.96	Pass	
HE20	MCS0	2	149	5745	26/0	2.22	14.55	14.44	17.56		30.00		0.96	Pass	
HE20	MCS0	2	149	5745	52/37	2.22	11.76	12.04	15.05		30.00		0.96	Pass	
HE20	MCS0	2	149	5745	106/53	2.22	8.83	9.02	12.03		30.00		0.96	Pass	
HE20	MCS0	2	157	5785	Full	2.22	6.02	6.30	9.31		30.00		0.96	Pass	
HE20	MCS0	2	157	5785	26/4	2.22	13.67	14.65	17.66		30.00		0.96	Pass	
HE20	MCS0	2	165	5825	Full	2.22	4.90	5.59	8.60		30.00		0.96	Pass	
HE20	MCS0	2	165	5825	26/8	2.22	15.56	14.01	18.57		30.00		0.96	Pass	
HE20	MCS0	2	165	5825	52/40	2.22	12.46	10.88	15.47		30.00		0.96	Pass	
HE20	MCS0	2	165	5825	106/54	2.22	9.14	8.65	12.15		30.00		0.96	Pass	
HE40	MCS0	2	151	5755	Full	2.22	2.15	3.16	6.17		30.00		0.96	Pass	
HE40	MCS0	2	151	5755	242/61	2.22	5.50	5.94	8.95		30.00		0.96	Pass	
HE40	MCS0	2	159	5795	Full	2.22	2.29	2.75	5.76		30.00		0.96	Pass	
HE40	MCS0	2	159	5795	242/62	2.22	5.68	5.85	8.86		30.00		0.96	Pass	
HE80	MCS0	2	155	5775	Full	2.22	-0.49	0.19	3.20		30.00		0.96	Pass	
HE80	MCS0	2	155	5775	242/61	2.22	5.33	5.51	8.52		30.00		0.96	Pass	
HE80	MCS0	2	155	5775	242/64	2.22	6.11	6.32	9.33		30.00		0.96	Pass	
HE80	MCS0	2	155	5775	484/65	2.22	2.56	3.43	6.44		30.00		0.96	Pass	
HE80	MCS0	2	155	5775	484/66	2.22	3.25	3.59	6.60		30.00		0.96	Pass	

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



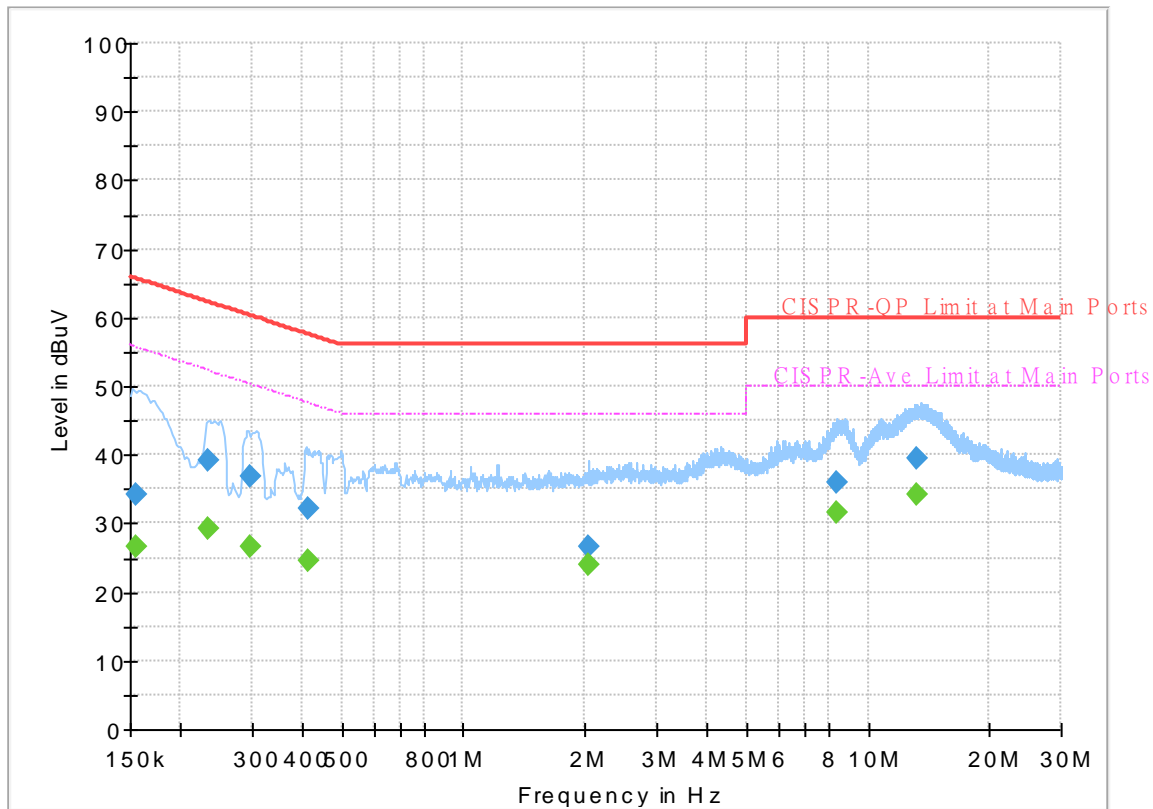
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	Temperature :	21~23°C
		Relative Humidity :	40~43%

EUT Information

Report NO : 9D0701
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



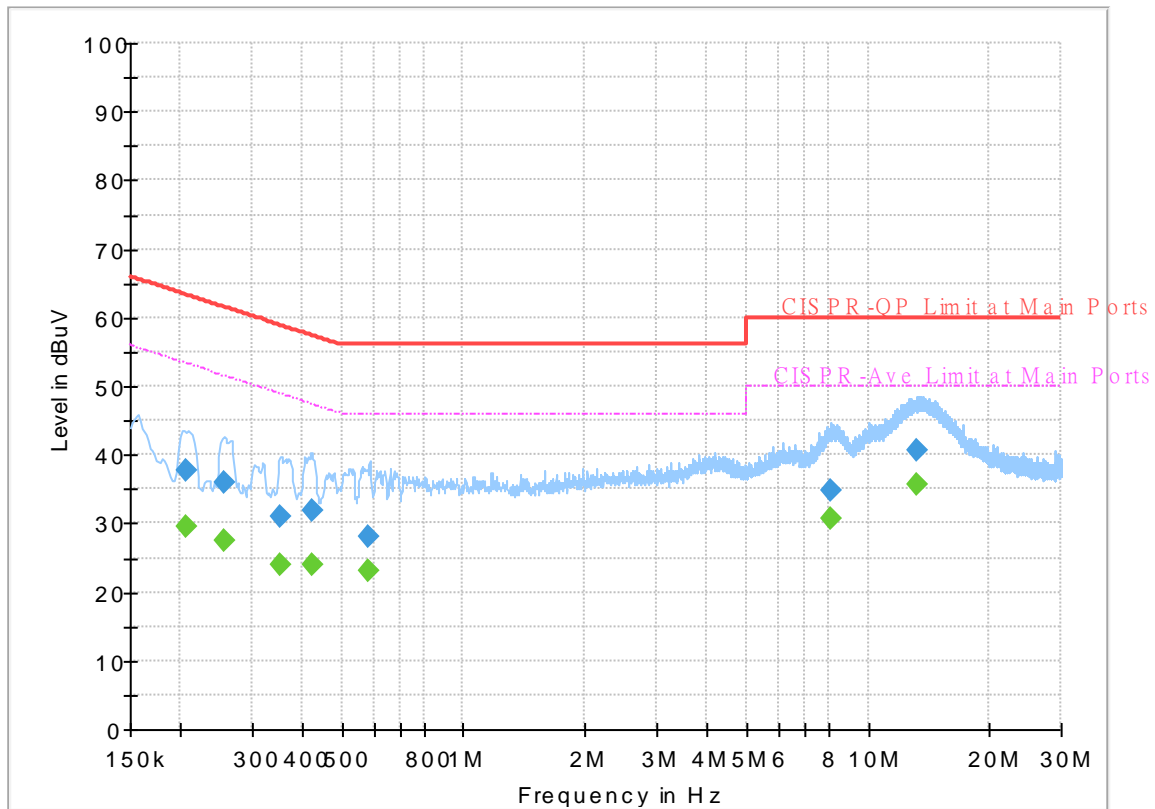
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	26.50	55.75	29.25	L1	OFF	19.5
0.154500	34.12	---	65.75	31.63	L1	OFF	19.5
0.235140	---	29.30	52.27	22.97	L1	OFF	19.5
0.235140	39.30	---	62.27	22.97	L1	OFF	19.5
0.295890	---	26.74	50.36	23.62	L1	OFF	19.5
0.295890	36.71	---	60.36	23.65	L1	OFF	19.5
0.413250	---	24.42	47.58	23.16	L1	OFF	19.5
0.413250	32.07	---	57.58	25.51	L1	OFF	19.5
2.031000	---	23.96	46.00	22.04	L1	OFF	19.7
2.031000	26.59	---	56.00	29.41	L1	OFF	19.7
8.412180	---	31.68	50.00	18.32	L1	OFF	19.9
8.412180	36.08	---	60.00	23.92	L1	OFF	19.9
13.240500	---	34.36	50.00	15.64	L1	OFF	20.1
13.240500	39.47	---	60.00	20.53	L1	OFF	20.1

EUT Information

Report NO : 9D0701
 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)
0.206250	---	29.47	53.36	23.89	N	OFF	19.6
0.206250	37.82	---	63.36	25.54	N	OFF	19.6
0.256830	---	27.48	51.53	24.05	N	OFF	19.6
0.256830	36.06	---	61.53	25.47	N	OFF	19.6
0.350700	---	24.00	48.95	24.95	N	OFF	19.6
0.350700	30.98	---	58.95	27.97	N	OFF	19.6
0.421530	---	23.98	47.42	23.44	N	OFF	19.6
0.421530	31.78	---	57.42	25.64	N	OFF	19.6
0.582000	---	23.22	46.00	22.78	N	OFF	19.6
0.582000	28.18	---	56.00	27.82	N	OFF	19.6
8.074500	---	30.59	50.00	19.41	N	OFF	20.0
8.074500	34.80	---	60.00	25.20	N	OFF	20.0
13.197750	---	35.74	50.00	14.26	N	OFF	20.1
13.197750	40.63	---	60.00	19.37	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Cookie Ku , Fu Chen , and Troye Hsieh	Temperature :	16.7~26.7°C
		Relative Humidity :	29.7~69.4%

Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 149 5745MHz		5640.05	49.53	-18.67	68.2	39.78	31.82	10.48	32.55	100	117	P	H	
		5691.575	50.83	-48.16	98.99	40.81	32.05	10.51	32.54	100	117	P	H	
		5719.925	53.63	-57.15	110.78	43.49	32.14	10.53	32.53	100	117	P	H	
		5721.05	57.95	-55.24	113.19	47.81	32.14	10.53	32.53	100	117	P	H	
	*	5745	109.32	-	-	99.11	32.19	10.54	32.52	100	117	P	H	
	*	5745	101.43	-	-	91.22	32.19	10.54	32.52	100	117	A	H	
														H
														H
			5639.6	51.07	-17.13	68.2	41.32	31.82	10.48	32.55	100	73	P	V
			5670.2	50.69	-32.5	83.19	40.81	31.92	10.5	32.54	100	73	P	V
			5716.775	51.65	-58.25	109.9	41.53	32.13	10.52	32.53	100	73	P	V
			5721.5	55.33	-58.89	114.22	45.19	32.14	10.53	32.53	100	73	P	V
	*		5745	105.45	-	-	95.24	32.19	10.54	32.52	100	73	P	V
	*		5745	97.59	-	-	87.38	32.19	10.54	32.52	100	73	A	V
														V
													V	



WIFI Ant. 1+2	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 157 5785MHz		5610	50.03	-18.17	68.2	40.24	31.88	10.47	32.56	100	116	P	H	
		5678.5	50.34	-38.99	89.33	40.41	31.97	10.5	32.54	100	116	P	H	
		5719	50.15	-60.37	110.52	40.01	32.14	10.53	32.53	100	116	P	H	
		5721	50.42	-62.66	113.08	40.28	32.14	10.53	32.53	100	116	P	H	
	*	5785	110.04	-	-	99.72	32.27	10.56	32.51	100	116	P	H	
	*	5785	101.98	-	-	91.66	32.27	10.56	32.51	100	116	A	H	
		5852.5	50.17	-66.33	116.5	39.66	32.41	10.59	32.49	100	116	P	H	
		5869.5	52.01	-54.73	106.74	41.46	32.44	10.6	32.49	100	116	P	H	
		5919.75	51.71	-20.36	72.07	40.98	32.58	10.62	32.47	100	116	P	H	
		5949	51.51	-16.69	68.2	40.64	32.7	10.63	32.46	100	116	P	H	
														H
														H
			5648.5	50.86	-17.34	68.2	41.12	31.8	10.49	32.55	101	74	P	V
			5676	50.91	-36.57	87.48	40.99	31.96	10.5	32.54	101	74	P	V
			5711	50.43	-57.85	108.28	40.32	32.12	10.52	32.53	101	74	P	V
			5724	49.64	-70.28	119.92	39.49	32.15	10.53	32.53	101	74	P	V
	*		5785	106.23	-	-	95.91	32.27	10.56	32.51	101	74	P	V
	*		5785	97.9	-	-	87.58	32.27	10.56	32.51	101	74	A	V
			5854.75	49.64	-61.73	111.37	39.13	32.41	10.59	32.49	101	74	P	V
			5869.5	51.23	-55.51	106.74	40.68	32.44	10.6	32.49	101	74	P	V
		5921.75	51.79	-18.81	70.6	41.05	32.59	10.62	32.47	101	74	P	V	
		5935	50.82	-17.38	68.2	40.03	32.64	10.62	32.47	101	74	P	V	
													V	
													V	



WiFi Ant. 1+2	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 165 5825MHz	*	5825	108.96	-	-	98.53	32.35	10.58	32.5	101	117	P	H	
	*	5825	101.02	-	-	90.59	32.35	10.58	32.5	101	117	A	H	
		5850.165	53.2	-68.62	121.82	42.7	32.4	10.59	32.49	101	117	P	H	
		5860.825	51.49	-57.68	109.17	40.97	32.42	10.59	32.49	101	117	P	H	
		5898.545	51.16	-36.58	87.74	40.53	32.5	10.61	32.48	101	117	P	H	
		5930.525	51.15	-17.05	68.2	40.38	32.62	10.62	32.47	101	117	P	H	
														H
														H
	*	5825	104.8	-	-	94.37	32.35	10.58	32.5	100	74	74	P	V
	*	5825	97.02	-	-	86.59	32.35	10.58	32.5	100	74	74	A	V
		5851.395	51.15	-67.87	119.02	40.65	32.4	10.59	32.49	100	74	74	P	V
		5874.97	51.63	-53.58	105.21	41.07	32.45	10.6	32.49	100	74	74	P	V
		5874.97	51.63	-53.58	105.21	41.07	32.45	10.6	32.49	100	74	74	P	V
		5947.13	50.98	-17.22	68.2	40.12	32.69	10.63	32.46	100	74	74	P	V
														V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 4 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	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 149 5745MHz		11490	46.45	-27.55	74	52.86	39.61	17.48	63.5	100	0	P	H	
		17235	45.68	-22.52	68.2	45.12	40.17	22.06	61.67	100	0	P	H	
													H	
													H	
			11490	46.62	-27.38	74	53.03	39.61	17.48	63.5	100	0	P	V
			17235	46.23	-21.97	68.2	45.67	40.17	22.06	61.67	100	0	P	V
														V
802.11a CH 157 5785MHz		11570	45.98	-28.02	74	52.42	39.46	17.6	63.5	100	0	P	H	
		17355	45.71	-22.49	68.2	44.54	40.49	22.18	61.5	100	0	P	H	
													H	
													H	
			11570	46.06	-27.94	74	52.5	39.46	17.6	63.5	100	0	P	V
			17355	46.96	-21.24	68.2	45.79	40.49	22.18	61.5	100	0	P	V
														V
802.11a CH 165 5825MHz		11650	46.39	-27.61	74	53.02	39.15	17.72	63.5	100	0	P	H	
		17475	47.09	-21.11	68.2	44.97	41.17	22.28	61.33	100	0	P	H	
													H	
													H	
			11650	46.98	-27.02	74	53.61	39.15	17.72	63.5	100	0	P	V
			17475	47.25	-20.95	68.2	45.13	41.17	22.28	61.33	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



Band 4 - 5725~5850MHz

WIFI 802.11ax HE20(FULL RU) (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ax HE20 (FULL RU) CH 149 5745MHz		5632.6	50.84	-17.36	68.2	41.08	31.83	10.48	32.55	100	62	P	H	
		5696.2	52.5	-49.9	102.4	42.45	32.08	10.51	32.54	100	62	P	H	
		5720	68.66	-42.14	110.8	58.52	32.14	10.53	32.53	100	62	P	H	
		5722.8	72.85	-44.33	117.18	62.7	32.15	10.53	32.53	100	62	P	H	
	*	5745	108.27	-	-	98.06	32.19	10.54	32.52	100	62	P	H	
	*	5745	98.59	-	-	88.38	32.19	10.54	32.52	100	62	A	H	
														H
														H
			5614.6	49.22	-18.98	68.2	39.44	31.87	10.47	32.56	100	99	P	V
			5681	49.78	-41.4	91.18	39.83	31.99	10.5	32.54	100	99	P	V
			5719.2	66.21	-44.37	110.58	56.07	32.14	10.53	32.53	100	99	P	V
			5722	68.18	-47.18	115.36	58.04	32.14	10.53	32.53	100	99	P	V
	*		5745	105.57	-	-	95.36	32.19	10.54	32.52	100	99	P	V
	*		5745	95.98	-	-	85.77	32.19	10.54	32.52	100	99	A	V
														V
													V	



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (FULL RU) CH 157 5785MHz		5621.5	49.22	-18.98	68.2	39.45	31.86	10.47	32.56	100	62	P	H	
		5650.5	50.08	-18.49	68.57	40.34	31.8	10.49	32.55	100	62	P	H	
		5701.25	48.94	-56.61	105.55	38.85	32.1	10.52	32.53	100	62	P	H	
		5724.75	50.86	-70.77	121.63	40.71	32.15	10.53	32.53	100	62	P	H	
	*	5785	110.05	-	-	99.73	32.27	10.56	32.51	100	62	P	H	
	*	5785	99.44	-	-	89.12	32.27	10.56	32.51	100	62	A	H	
		5853	48.73	-66.63	115.36	38.22	32.41	10.59	32.49	100	62	P	H	
		5859.75	49.74	-59.73	109.47	39.22	32.42	10.59	32.49	100	62	P	H	
		5876.5	50.95	-53.14	104.09	40.38	32.45	10.6	32.48	100	62	P	H	
		5937.5	50.42	-17.78	68.2	39.62	32.65	10.62	32.47	100	62	P	H	
														H
														H
			5623.75	50.87	-17.33	68.2	41.11	31.85	10.47	32.56	100	87	P	V
			5665.75	50.55	-29.34	79.89	40.7	31.89	10.5	32.54	100	87	P	V
			5713.75	51.45	-57.6	109.05	41.33	32.13	10.52	32.53	100	87	P	V
			5722.5	50.16	-66.34	116.5	40.01	32.15	10.53	32.53	100	87	P	V
	*		5785	107.52	-	-	97.2	32.27	10.56	32.51	100	87	P	V
	*		5785	97.15	-	-	86.83	32.27	10.56	32.51	100	87	A	V
			5850.25	50.9	-70.73	121.63	40.4	32.4	10.59	32.49	100	87	P	V
			5861.75	50.01	-58.9	108.91	39.49	32.42	10.59	32.49	100	87	P	V
		5923	50.26	-19.41	69.67	39.52	32.59	10.62	32.47	100	87	P	V	
		5934.25	49.99	-18.21	68.2	39.2	32.64	10.62	32.47	100	87	P	V	
													V	
													V	



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (FULL RU) CH 165 5825MHz	*	5825	107.82	-	-	97.39	32.35	10.58	32.5	100	63	P	H	
	*	5825	98.63	-	-	88.2	32.35	10.58	32.5	100	63	A	H	
		5850	66.7	-55.5	122.2	56.2	32.4	10.59	32.49	100	63	P	H	
		5855.4	60.49	-50.2	110.69	49.98	32.41	10.59	32.49	100	63	P	H	
		5876	51.25	-53.21	104.46	40.68	32.45	10.6	32.48	100	63	P	H	
		5950	51.42	-16.78	68.2	40.55	32.7	10.63	32.46	100	63	P	H	
														H
														H
	*	5825	106.19	-	-	95.76	32.35	10.58	32.5	106	86	P	V	
	*	5825	96.22	-	-	85.79	32.35	10.58	32.5	106	86	A	V	
		5851	63.91	-56.01	119.92	53.41	32.4	10.59	32.49	106	86	P	V	
		5857.2	59.19	-50.99	110.18	48.68	32.41	10.59	32.49	106	86	P	V	
		5891.8	51.73	-41	92.73	41.12	32.48	10.61	32.48	106	86	P	V	
		5934.8	51.45	-16.75	68.2	40.66	32.64	10.62	32.47	106	86	P	V	
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE20(FULL RU) (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (FULL RU) CH 149 5745MHz		11490	46.42	-27.58	74	52.83	39.61	17.48	63.5	100	0	P	H	
		17235	46.05	-22.15	68.2	45.49	40.17	22.06	61.67	100	0	P	H	
													H	
													H	
			11490	46.42	-27.58	74	52.83	39.61	17.48	63.5	100	0	P	V
			17235	45.43	-22.77	68.2	44.87	40.17	22.06	61.67	100	0	P	V
802.11ax HE20 (FULL RU) CH 157 5785MHz													V	
													V	
			11570	46.76	-27.24	74	53.2	39.46	17.6	63.5	100	0	P	H
			17355	44.95	-23.25	68.2	43.78	40.49	22.18	61.5	100	0	P	H
													H	
													H	
802.11ax HE20 (FULL RU) CH 165 5825MHz													V	
													V	
			11650	46.12	-27.88	74	52.75	39.15	17.72	63.5	100	0	P	H
			17475	46.39	-21.81	68.2	44.27	41.17	22.28	61.33	100	0	P	H
													H	
													H	
802.11ax HE20 (FULL RU) CH 165 5825MHz													V	
													V	
			11650	46.04	-27.96	74	52.67	39.15	17.72	63.5	100	0	P	V
			17475	46.01	-22.19	68.2	43.89	41.17	22.28	61.33	100	0	P	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE40(FULL RU) (Band Edge @ 3m)

WIFI Ant. 1+2	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)	
		5600.25	50.61	-17.59	68.2	40.81	31.9	10.46	32.56	100	65	P	H	
		5700	60.32	-44.88	105.2	50.24	32.1	10.51	32.53	100	65	P	H	
		5718.25	71.04	-39.27	110.31	60.9	32.14	10.53	32.53	100	65	P	H	
		5721.25	75.16	-38.49	113.65	65.02	32.14	10.53	32.53	100	65	P	H	
	*	5755	106.66	-	-	96.42	32.21	10.55	32.52	100	65	P	H	
	*	5755	96.17	-	-	85.93	32.21	10.55	32.52	100	65	A	H	
		5850.75	51.21	-69.28	120.49	40.71	32.4	10.59	32.49	100	65	P	H	
		5855.5	51.06	-59.6	110.66	40.55	32.41	10.59	32.49	100	65	P	H	
		5909.25	51.79	-28.03	79.82	41.12	32.54	10.61	32.48	100	65	P	H	
		5942.25	51.21	-16.99	68.2	40.38	32.67	10.63	32.47	100	65	P	H	
802.11ax HE40 (FULL RU) CH 151 5755MHz													H	
													H	
			5626	50.85	-17.35	68.2	41.08	31.85	10.47	32.55	100	80	P	V
			5698.5	59.23	-44.86	104.09	49.16	32.09	10.51	32.53	100	80	P	V
			5717.25	74.34	-35.69	110.03	64.22	32.13	10.52	32.53	100	80	P	V
			5723.75	73.94	-45.41	119.35	63.79	32.15	10.53	32.53	100	80	P	V
		*	5755	104.22	-	-	93.98	32.21	10.55	32.52	100	80	P	V
		*	5755	93.77	-	-	83.53	32.21	10.55	32.52	100	80	A	V
			5850.5	51.08	-69.98	121.06	40.58	32.4	10.59	32.49	100	80	P	V
			5871.5	51.47	-54.71	106.18	40.92	32.44	10.6	32.49	100	80	P	V
			5923.25	51.76	-17.73	69.49	41.02	32.59	10.62	32.47	100	80	P	V
			5937.75	52.29	-15.91	68.2	41.48	32.65	10.63	32.47	100	80	P	V
														V
														V



WIFI Ant. 1+2	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 RU) CH 159 5795MHz		5649.75	51.07	-17.13	68.2	41.33	31.8	10.49	32.55	104	64	P	H	
		5696	52.43	-49.82	102.25	42.38	32.08	10.51	32.54	104	64	P	H	
		5720	58.75	-52.05	110.8	48.61	32.14	10.53	32.53	104	64	P	H	
		5720	58.75	-52.05	110.8	48.61	32.14	10.53	32.53	104	64	P	H	
	*	5795	105.72	-	-	95.37	32.29	10.57	32.51	104	64	P	H	
	*	5795	95.82	-	-	85.47	32.29	10.57	32.51	104	64	A	H	
		5854	59.83	-53.25	113.08	49.32	32.41	10.59	32.49	104	64	P	H	
		5860	59.36	-50.04	109.4	48.84	32.42	10.59	32.49	104	64	P	H	
		5883.25	53.57	-45.5	99.07	42.98	32.47	10.6	32.48	104	64	P	H	
		5933.5	51	-17.2	68.2	40.22	32.63	10.62	32.47	104	64	P	H	
														H
														H
			5630.25	50.1	-18.1	68.2	40.33	31.84	10.48	32.55	100	80	P	V
			5681.75	51.99	-39.74	91.73	42.04	31.99	10.5	32.54	100	80	P	V
			5715.75	52.65	-56.96	109.61	42.53	32.13	10.52	32.53	100	80	P	V
			5724.5	53.2	-67.86	121.06	43.05	32.15	10.53	32.53	100	80	P	V
	*		5795	103.83	-	-	93.48	32.29	10.57	32.51	100	80	P	V
	*		5795	94.01	-	-	83.66	32.29	10.57	32.51	100	80	A	V
			5850.25	56.4	-65.23	121.63	45.9	32.4	10.59	32.49	100	80	P	V
			5856	54.64	-55.88	110.52	44.13	32.41	10.59	32.49	100	80	P	V
		5878.5	52.34	-50.26	102.6	41.76	32.46	10.6	32.48	100	80	P	V	
		5925.25	50.09	-18.11	68.2	39.34	32.6	10.62	32.47	100	80	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE40(FULL RU) (Harmonic @ 3m)

WIFI Ant. 1+2	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 RU) CH 151 5755MHz		11510	46.67	-27.33	74	53.08	39.58	17.51	63.5	100	0	P	H	
		17265	45.17	-23.03	68.2	44.58	40.13	22.09	61.63	100	0	P	H	
													H	
													H	
			11510	46.19	-27.81	74	52.6	39.58	17.51	63.5	100	0	P	V
			17265	45.59	-22.61	68.2	45	40.13	22.09	61.63	100	0	P	V
														V
802.11ax HE40 (FULL RU) CH 159 5795MHz		11580	45.83	-28.17	74	52.27	39.44	17.62	63.5	100	0	P	H	
		17385	45.37	-22.83	68.2	43.94	40.69	22.2	61.46	100	0	P	H	
													H	
													H	
			11580	46.77	-27.23	74	53.21	39.44	17.62	63.5	100	0	P	V
			17385	45.33	-22.87	68.2	43.9	40.69	22.2	61.46	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE80(FULL RU) (Band Edge @ 3m)

WIFI Ant. 1+2	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)	
		5647.5	56.91	-11.29	68.2	47.17	31.8	10.49	32.55	100	63	P	H	
		5692.5	67.53	-32.14	99.67	57.5	32.06	10.51	32.54	100	63	P	H	
		5716.25	70.3	-39.45	109.75	60.18	32.13	10.52	32.53	100	63	P	H	
		5722.25	69.4	-46.53	115.93	59.26	32.14	10.53	32.53	100	63	P	H	
	*	5775	103.72	-	-	93.42	32.25	10.56	32.51	100	63	P	H	
	*	5775	92.78	-	-	82.48	32.25	10.56	32.51	100	63	A	H	
		5850.75	68.37	-52.12	120.49	57.87	32.4	10.59	32.49	100	63	P	H	
		5862.75	67.38	-41.25	108.63	56.84	32.43	10.6	32.49	100	63	P	H	
		5877.25	61.63	-41.9	103.53	51.06	32.45	10.6	32.48	100	63	P	H	
		5933.75	53.57	-14.63	68.2	42.78	32.64	10.62	32.47	100	63	P	H	
802.11ax HE80 (FULL RU) CH 155 5775MHz													H	
													H	
			5641.75	55.37	-12.83	68.2	45.62	31.82	10.48	32.55	100	86	P	V
			5696	65.86	-36.39	102.25	55.81	32.08	10.51	32.54	100	86	P	V
			5719.75	68.49	-42.24	110.73	58.35	32.14	10.53	32.53	100	86	P	V
			5722	70.35	-45.01	115.36	60.21	32.14	10.53	32.53	100	86	P	V
		*	5775	100.98	-	-	90.68	32.25	10.56	32.51	100	86	P	V
		*	5775	90.75	-	-	80.45	32.25	10.56	32.51	100	86	A	V
			5855	64.7	-46.1	110.8	54.19	32.41	10.59	32.49	100	86	P	V
			5855	64.7	-46.1	110.8	54.19	32.41	10.59	32.49	100	86	P	V
			5875.25	59.63	-45.38	105.01	49.06	32.45	10.6	32.48	100	86	P	V
			5928	50.61	-17.59	68.2	39.85	32.61	10.62	32.47	100	86	P	V
														V
														V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80(FULL RU) (Harmonic @ 3m)

WIFI Ant. 1+2	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 RU) CH 155 5775MHz		11550	45.58	-28.42	74	52.01	39.5	17.57	63.5	100	0	P	H	
		17325	45.53	-22.67	68.2	44.65	40.27	22.15	61.54	100	0	P	H	
													H	
													H	
			11550	46.31	-27.69	74	52.74	39.5	17.57	63.5	100	0	P	V
			17325	45.78	-22.42	68.2	44.9	40.27	22.15	61.54	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE20(Partial RU) (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 26/0) CH 149 5745MHz		5646.8	51.22	-16.98	68.2	41.47	31.81	10.49	32.55	100	63	P	H	
		5691.4	51.45	-47.41	98.86	41.43	32.05	10.51	32.54	100	63	P	H	
		5719.4	63.74	-46.89	110.63	53.6	32.14	10.53	32.53	100	63	P	H	
		5721.4	64.8	-49.19	113.99	54.66	32.14	10.53	32.53	100	63	P	H	
	*	5745	115.1	-	-	104.89	32.19	10.54	32.52	100	63	P	H	
	*	5745	108.65	-	-	98.44	32.19	10.54	32.52	100	63	A	H	
														H
														H
			5604.4	50.62	-17.58	68.2	40.83	31.89	10.46	32.56	100	86	P	V
			5661	51.16	-25.21	76.37	41.34	31.87	10.49	32.54	100	86	P	V
			5719.6	60.53	-50.16	110.69	50.39	32.14	10.53	32.53	100	86	P	V
			5722.4	67.54	-48.73	116.27	57.4	32.14	10.53	32.53	100	86	P	V
	*		5745	112.01	-	-	101.8	32.19	10.54	32.52	100	86	P	V
	*		5745	105.6	-	-	95.39	32.19	10.54	32.52	100	86	A	V
														V
													V	



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 52/37) CH 149 5745MHz		5609	51.57	-16.63	68.2	41.79	31.88	10.46	32.56	100	62	P	H	
		5659.2	51.39	-23.64	75.03	41.59	31.86	10.49	32.55	100	62	P	H	
		5714.8	55.61	-53.74	109.35	45.49	32.13	10.52	32.53	100	62	P	H	
		5725	64.03	-58.17	122.2	53.88	32.15	10.53	32.53	100	62	P	H	
	*	5745	114.31	-	-	104.1	32.19	10.54	32.52	100	62	P	H	
	*	5745	106.34	-	-	96.13	32.19	10.54	32.52	100	62	A	H	
														H
														H
			5625	50.66	-17.54	68.2	40.9	31.85	10.47	32.56	100	91	P	V
			5698.6	52.04	-52.13	104.17	41.97	32.09	10.51	32.53	100	91	P	V
			5717	57.77	-52.19	109.96	47.65	32.13	10.52	32.53	100	91	P	V
			5722.6	57.39	-59.34	116.73	47.24	32.15	10.53	32.53	100	91	P	V
	*		5745	111.72	-	-	101.51	32.19	10.54	32.52	100	91	P	V
	*		5745	103.77	-	-	93.56	32.19	10.54	32.52	100	91	A	V
														V
													V	



WiFi Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 106/53) CH 149 5745MHz		5644.2	50.93	-17.27	68.2	41.19	31.81	10.48	32.55	100	63	P	H	
		5657.8	51.52	-22.47	73.99	41.73	31.85	10.49	32.55	100	63	P	H	
		5719.2	52.04	-58.54	110.58	41.9	32.14	10.53	32.53	100	63	P	H	
		5722.2	61.56	-54.26	115.82	51.42	32.14	10.53	32.53	100	63	P	H	
	*	5745	111.52	-	-	101.31	32.19	10.54	32.52	100	63	P	H	
	*	5745	102.48	-	-	92.27	32.19	10.54	32.52	100	63	A	H	
														H
														H
			5605.4	50.64	-17.56	68.2	40.85	31.89	10.46	32.56	100	95	P	V
			5700	50.62	-54.58	105.2	40.54	32.1	10.51	32.53	100	95	P	V
			5718.6	55.15	-55.26	110.41	45.01	32.14	10.53	32.53	100	95	P	V
			5723.4	56.16	-62.39	118.55	46.01	32.15	10.53	32.53	100	95	P	V
	*		5745	108.6	-	-	98.39	32.19	10.54	32.52	100	95	P	V
	*		5745	99.77	-	-	89.56	32.19	10.54	32.52	100	95	A	V
														V
													V	



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 26/4) CH 157 5785MHz		5620.25	51.5	-16.7	68.2	41.73	31.86	10.47	32.56	104	353	P	H	
		5684	50.32	-43.08	93.4	40.35	32	10.51	32.54	104	353	P	H	
		5717	51.19	-58.77	109.96	41.07	32.13	10.52	32.53	104	353	P	H	
		5720.25	50.36	-61.01	111.37	40.22	32.14	10.53	32.53	104	353	P	H	
	*	5785	116.36	-	-	106.04	32.27	10.56	32.51	104	353	P	H	
	*	5785	107.4	-	-	97.08	32.27	10.56	32.51	104	353	A	H	
		5852.75	51.59	-64.34	115.93	41.08	32.41	10.59	32.49	104	353	P	H	
		5871.25	51.34	-54.91	106.25	40.79	32.44	10.6	32.49	104	353	P	H	
		5900	51.78	-34.88	86.66	41.15	32.5	10.61	32.48	104	353	P	H	
		5944.75	51.9	-16.3	68.2	41.06	32.68	10.63	32.47	104	353	P	H	
														H
														H
			5632.25	51.18	-17.02	68.2	41.41	31.84	10.48	32.55	100	96	P	V
			5674.25	51.78	-34.41	86.19	41.87	31.95	10.5	32.54	100	96	P	V
			5701.75	50.82	-54.87	105.69	40.73	32.1	10.52	32.53	100	96	P	V
			5720.5	49.79	-62.15	111.94	39.65	32.14	10.53	32.53	100	96	P	V
	*		5785	113.64	-	-	103.32	32.27	10.56	32.51	100	96	P	V
	*		5785	105.52	-	-	95.2	32.27	10.56	32.51	100	96	A	V
			5852	50.12	-67.52	117.64	39.62	32.4	10.59	32.49	100	96	P	V
			5866.75	51.19	-56.32	107.51	40.65	32.43	10.6	32.49	100	96	P	V
		5891.5	51.85	-41.11	92.96	41.24	32.48	10.61	32.48	100	96	P	V	
		5935.25	52.53	-15.67	68.2	41.74	32.64	10.62	32.47	100	96	P	V	
													V	
													V	



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 26/8) CH 165 5825MHz	*	5825	115.55	-	-	105.12	32.35	10.58	32.5	100	73	P	H	
	*	5825	108.31	-	-	97.88	32.35	10.58	32.5	100	73	A	H	
		5850.165	59.75	-62.07	121.82	49.25	32.4	10.59	32.49	100	73	P	H	
		5855.495	61.84	-48.82	110.66	51.33	32.41	10.59	32.49	100	73	P	H	
		5881.735	52.65	-47.55	100.2	42.07	32.46	10.6	32.48	100	73	P	H	
		5926.835	51.24	-16.96	68.2	40.48	32.61	10.62	32.47	100	73	P	H	
														H
														H
	*	5825	113	-	-	102.57	32.35	10.58	32.5	100	94	94	P	V
	*	5825	106.01	-	-	95.58	32.35	10.58	32.5	100	94	94	A	V
		5850.37	61.79	-59.57	121.36	51.29	32.4	10.59	32.49	100	94	94	P	V
		5855.495	60.33	-50.33	110.66	49.82	32.41	10.59	32.49	100	94	94	P	V
		5921.095	51.85	-19.23	71.08	41.12	32.58	10.62	32.47	100	94	94	P	V
		5944.26	52.09	-16.11	68.2	41.25	32.68	10.63	32.47	100	94	94	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WiFi Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 52/40) CH 165 5825MHz	*	5825	114.39	-	-	103.96	32.35	10.58	32.5	103	72	P	H	
	*	5825	106.27	-	-	95.84	32.35	10.58	32.5	103	72	A	H	
		5850.165	60.47	-61.35	121.82	49.97	32.4	10.59	32.49	103	72	P	H	
		5861.85	61.15	-47.73	108.88	50.63	32.42	10.59	32.49	103	72	P	H	
		5882.965	53.1	-46.18	99.28	42.51	32.47	10.6	32.48	103	72	P	H	
		5933.6	52	-16.2	68.2	41.22	32.63	10.62	32.47	103	72	P	H	
														H
														H
	*	5825	111.73	-	-	101.3	32.35	10.58	32.5	100	96	96	P	V
	*	5825	103.71	-	-	93.28	32.35	10.58	32.5	100	96	96	A	V
		5850.575	59.98	-60.91	120.89	49.48	32.4	10.59	32.49	100	96	96	P	V
		5857.545	57.95	-52.14	110.09	47.43	32.42	10.59	32.49	100	96	96	P	V
		5878.045	51.27	-51.67	102.94	40.69	32.46	10.6	32.48	100	96	96	P	V
		5943.235	51.44	-16.76	68.2	40.61	32.67	10.63	32.47	100	96	96	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 106/54) CH 165 5825MHz	*	5825	113.31	-	-	102.88	32.35	10.58	32.5	100	63	P	H	
	*	5825	103.92	-	-	93.49	32.35	10.58	32.5	100	63	A	H	
		5851.19	62.78	-56.71	119.49	52.28	32.4	10.59	32.49	100	63	P	H	
		5865.745	51.67	-56.12	107.79	41.13	32.43	10.6	32.49	100	63	P	H	
		5922.325	51.57	-18.6	70.17	40.83	32.59	10.62	32.47	100	63	P	H	
		5926.835	50.96	-17.24	68.2	40.2	32.61	10.62	32.47	100	63	P	H	
														H
														H
	*	5825	110.44	-	-	100.01	32.35	10.58	32.5	100	98	98	P	V
	*	5825	101.37	-	-	90.94	32.35	10.58	32.5	100	98	98	A	V
		5849.96	59.63	-74.57	134.2	49.13	32.4	10.59	32.49	100	98	98	P	V
		5856.93	52.25	-58.01	110.26	41.74	32.41	10.59	32.49	100	98	98	P	V
		5886.655	51.47	-45.08	96.55	40.88	32.47	10.6	32.48	100	98	98	P	V
		5946.925	51.1	-17.1	68.2	40.24	32.69	10.63	32.46	100	98	98	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE20(Partial RU) (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 (RU 26/0) CH 149 5745MHz		11490	47.31	-26.69	74	53.72	39.61	17.48	63.5	100	0	P	H
		17235	47.18	-21.02	68.2	46.62	40.17	22.06	61.67	100	0	P	H
													H
													H
		11490	46.63	-27.37	74	53.04	39.61	17.48	63.5	100	0	P	V
		17235	46.51	-21.69	68.2	45.95	40.17	22.06	61.67	100	0	P	V
802.11ax HE20 (RU 52/37) CH 149 5745MHz		11490	47.34	-26.66	74	53.75	39.61	17.48	63.5	100	0	P	H
		17235	47.03	-21.17	68.2	46.47	40.17	22.06	61.67	100	0	P	H
													H
													H
		11490	46.72	-27.28	74	53.13	39.61	17.48	63.5	100	0	P	V
		17235	47.13	-21.07	68.2	46.57	40.17	22.06	61.67	100	0	P	V
802.11ax HE20 (RU 106/53) CH 149 5745MHz		11490	46.77	-27.23	74	53.18	39.61	17.48	63.5	100	0	P	H
		17235	47	-21.2	68.2	46.44	40.17	22.06	61.67	100	0	P	H
													H
													H
		11490	46.15	-27.85	74	52.56	39.61	17.48	63.5	100	0	P	V
		17235	47.12	-21.08	68.2	46.56	40.17	22.06	61.67	100	0	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 26/4) CH 157 5785MHz		11570	47.9	-26.1	74	54.34	39.46	17.6	63.5	100	0	P	H	
		17355	46.03	-22.17	68.2	44.86	40.49	22.18	61.5	100	0	P	H	
													H	
													H	
			11570	48.93	-25.07	74	55.37	39.46	17.6	63.5	100	0	P	V
			17355	45.63	-22.57	68.2	44.46	40.49	22.18	61.5	100	0	P	V
														V
802.11ax HE20 (RU 26/8) CH 165 5825MHz		11650	46.48	-27.52	74	53.11	39.15	17.72	63.5	100	0	P	H	
		17475	46.67	-21.53	68.2	44.55	41.17	22.28	61.33	100	0	P	H	
													H	
													H	
			11650	45.8	-28.2	74	52.43	39.15	17.72	63.5	100	0	P	V
			17475	47.69	-20.51	68.2	45.57	41.17	22.28	61.33	100	0	P	V
														V
802.11ax HE20 (RU 52/40) CH 165 5825MHz		11650	46.53	-27.47	74	53.16	39.15	17.72	63.5	100	0	P	H	
		17475	46.14	-22.06	68.2	44.02	41.17	22.28	61.33	100	0	P	H	
													H	
													H	
			11650	46.48	-27.52	74	53.11	39.15	17.72	63.5	100	0	P	V
			17475	47	-21.2	68.2	44.88	41.17	22.28	61.33	100	0	P	V
														V
													V	



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 (RU 106/54) CH 165 5825MHz		11650	46.73	-27.27	74	53.36	39.15	17.72	63.5	100	0	P	H	
		17475	46.38	-21.82	68.2	44.26	41.17	22.28	61.33	100	0	P	H	
													H	
													H	
			11650	46.48	-27.52	74	53.11	39.15	17.72	63.5	100	0	P	V
			17475	47.56	-20.64	68.2	45.44	41.17	22.28	61.33	100	0	P	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE40(Partial RU) (Band Edge @ 3m)

WIFI Ant. 1+2	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 (RU 242/61) CH 151 5755MHz		5604.25	51.03	-17.17	68.2	41.24	31.89	10.46	32.56	100	15	P	H	
		5698.25	55.24	-48.67	103.91	45.17	32.09	10.51	32.53	100	15	P	H	
		5707	59.95	-47.21	107.16	49.85	32.11	10.52	32.53	100	15	P	H	
		5724.75	59.63	-62	121.63	49.48	32.15	10.53	32.53	100	15	P	H	
	*	5755	108.57	-	-	98.33	32.21	10.55	32.52	100	15	P	H	
	*	5755	98.73	-	-	88.49	32.21	10.55	32.52	100	15	A	H	
		5854.25	50.76	-61.75	112.51	40.25	32.41	10.59	32.49	100	15	P	H	
		5858.75	51.05	-58.7	109.75	40.53	32.42	10.59	32.49	100	15	P	H	
		5909.75	52.28	-27.17	79.45	41.61	32.54	10.61	32.48	100	15	P	H	
		5925.25	51.54	-16.66	68.2	40.79	32.6	10.62	32.47	100	15	P	H	
														H
														H
			5619.5	51.34	-16.86	68.2	41.57	31.86	10.47	32.56	100	94	P	V
			5699	54.15	-50.31	104.46	44.08	32.09	10.51	32.53	100	94	P	V
			5717.75	59.18	-50.99	110.17	49.05	32.14	10.52	32.53	100	94	P	V
			5723.5	61.61	-57.17	118.78	51.46	32.15	10.53	32.53	100	94	P	V
	*		5755	106.64	-	-	96.4	32.21	10.55	32.52	100	94	P	V
	*		5755	97.61	-	-	87.37	32.21	10.55	32.52	100	94	A	V
			5850	50.43	-71.77	122.2	39.93	32.4	10.59	32.49	100	94	P	V
			5857.75	50.89	-59.14	110.03	40.37	32.42	10.59	32.49	100	94	P	V
		5894.25	51.84	-39.08	90.92	41.22	32.49	10.61	32.48	100	94	P	V	
		5935.25	51.58	-16.62	68.2	40.79	32.64	10.62	32.47	100	94	P	V	
													V	
													V	



WIFI Ant. 1+2	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 (RU 242/62) CH 159 5795MHz		5631.5	50.86	-17.34	68.2	41.09	31.84	10.48	32.55	104	14	P	H	
		5695.75	50.5	-51.57	102.07	40.46	32.07	10.51	32.54	104	14	P	H	
		5718	50.22	-60.02	110.24	40.09	32.14	10.52	32.53	104	14	P	H	
		5721.5	52.22	-62	114.22	42.08	32.14	10.53	32.53	104	14	P	H	
	*	5795	108.06	-	-	97.71	32.29	10.57	32.51	104	14	P	H	
	*	5795	99.33	-	-	88.98	32.29	10.57	32.51	104	14	A	H	
		5851.25	58.15	-61.2	119.35	47.65	32.4	10.59	32.49	104	14	P	H	
		5857.25	54.69	-55.48	110.17	44.18	32.41	10.59	32.49	104	14	P	H	
		5907.75	51.25	-29.68	80.93	40.59	32.53	10.61	32.48	104	14	P	H	
		5934.75	52.07	-16.13	68.2	41.28	32.64	10.62	32.47	104	14	P	H	
														H
														H
			5644.75	50.99	-17.21	68.2	41.25	31.81	10.48	32.55	100	93	P	V
			5680.25	50.53	-40.09	90.62	40.59	31.98	10.5	32.54	100	93	P	V
			5709.5	50.72	-57.14	107.86	40.61	32.12	10.52	32.53	100	93	P	V
			5724.75	50.26	-71.37	121.63	40.11	32.15	10.53	32.53	100	93	P	V
	*		5795	107.56	-	-	97.21	32.29	10.57	32.51	100	93	P	V
	*		5795	98.55	-	-	88.2	32.29	10.57	32.51	100	93	A	V
			5852.25	56.29	-60.78	117.07	45.79	32.4	10.59	32.49	100	93	P	V
			5857	53.86	-56.38	110.24	43.35	32.41	10.59	32.49	100	93	P	V
		5894.5	51.47	-39.26	90.73	40.85	32.49	10.61	32.48	100	93	P	V	
		5932.75	50.95	-17.25	68.2	40.17	32.63	10.62	32.47	100	93	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE40(Partial RU) (Harmonic @ 3m)

WIFI Ant. 1+2	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 (RU 242/61) CH 151 5755MHz		11510	46.33	-27.67	74	52.74	39.58	17.51	63.5	100	0	P	H	
		17265	45.72	-22.48	68.2	45.13	40.13	22.09	61.63	100	0	P	H	
													H	
													H	
			11510	46.72	-27.28	74	53.13	39.58	17.51	63.5	100	0	P	V
			17265	46.84	-21.36	68.2	46.25	40.13	22.09	61.63	100	0	P	V
802.11ax HE40 (RU 242/62) CH 159 5795MHz													V	
													V	
			11590	46.98	-27.02	74	53.43	39.42	17.63	63.5	100	0	P	H
			17385	46.48	-21.72	68.2	45.05	40.69	22.2	61.46	100	0	P	H
													H	
													H	
			11590	47.01	-26.99	74	53.46	39.42	17.63	63.5	100	0	P	V
			17385	46.41	-21.79	68.2	44.98	40.69	22.2	61.46	100	0	P	V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE80(Partial RU) (Band Edge @ 3m)

WIFI Ant. 1+2	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 (RU 484/65) CH 155 5775MHz		5633.5	52.46	-15.74	68.2	42.7	31.83	10.48	32.55	100	32	P	H	
		5693	55.88	-44.16	100.04	45.85	32.06	10.51	32.54	100	32	P	H	
		5719.5	57.06	-53.6	110.66	46.92	32.14	10.53	32.53	100	32	P	H	
		5725	58.31	-63.89	122.2	48.16	32.15	10.53	32.53	100	32	P	H	
	*	5775	105.53	-	-	95.23	32.25	10.56	32.51	100	32	P	H	
	*	5775	96.68	-	-	86.38	32.25	10.56	32.51	100	32	A	H	
		5853.25	51.53	-63.26	114.79	41.02	32.41	10.59	32.49	100	32	P	H	
		5871.25	53.82	-52.43	106.25	43.27	32.44	10.6	32.49	100	32	P	H	
		5901.25	52.77	-32.97	85.74	42.13	32.51	10.61	32.48	100	32	P	H	
		5932.75	52.47	-15.73	68.2	41.69	32.63	10.62	32.47	100	32	P	H	
														H
														H
			5617.5	51.66	-16.54	68.2	41.89	31.86	10.47	32.56	100	103	P	V
			5686.5	52.52	-42.72	95.24	42.53	32.02	10.51	32.54	100	103	P	V
			5717.75	54.4	-55.77	110.17	44.27	32.14	10.52	32.53	100	103	P	V
			5725	55.84	-66.36	122.2	45.69	32.15	10.53	32.53	100	103	P	V
	*		5775	100.41	-	-	90.11	32.25	10.56	32.51	100	103	P	V
	*		5775	92.13	-	-	81.83	32.25	10.56	32.51	100	103	A	V
			5850.75	51.21	-69.28	120.49	40.71	32.4	10.59	32.49	100	103	P	V
			5860.25	51.91	-57.42	109.33	41.39	32.42	10.59	32.49	100	103	P	V
		5924.75	53.08	-15.3	68.38	42.33	32.6	10.62	32.47	100	103	P	V	
		5932.75	52.8	-15.4	68.2	42.02	32.63	10.62	32.47	100	103	P	V	
													V	
													V	



WIFI Ant. 1+2	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 (RU 484/66) CH 155 5775MHz		5605.5	51.16	-17.04	68.2	41.37	31.89	10.46	32.56	100	32	P	H	
		5686.5	56.08	-39.16	95.24	46.09	32.02	10.51	32.54	100	32	P	H	
		5716.75	56.15	-53.74	109.89	46.03	32.13	10.52	32.53	100	32	P	H	
		5723	59.26	-58.38	117.64	49.11	32.15	10.53	32.53	100	32	P	H	
	*	5775	105.91	-	-	95.61	32.25	10.56	32.51	100	32	P	H	
	*	5775	96.75	-	-	86.45	32.25	10.56	32.51	100	32	A	H	
		5854.5	52.51	-59.43	111.94	42	32.41	10.59	32.49	100	32	P	H	
		5862.75	52.94	-55.69	108.63	42.4	32.43	10.6	32.49	100	32	P	H	
		5897.25	52.25	-36.45	88.7	41.63	32.49	10.61	32.48	100	32	P	H	
		5948.75	52.38	-15.82	68.2	41.52	32.69	10.63	32.46	100	32	P	H	
														H
														H
			5647.75	51.43	-16.77	68.2	41.69	31.8	10.49	32.55	100	83	P	V
			5682.25	52.47	-39.63	92.1	42.51	31.99	10.51	32.54	100	83	P	V
			5711.5	53.41	-55.01	108.42	43.3	32.12	10.52	32.53	100	83	P	V
			5723	56.64	-61	117.64	46.49	32.15	10.53	32.53	100	83	P	V
	*	5775	103.72	-	-	93.42	32.25	10.56	32.51	100	83	P	V	
	*	5775	94.49	-	-	84.19	32.25	10.56	32.51	100	83	A	V	
			5853.75	51.8	-61.85	113.65	41.29	32.41	10.59	32.49	100	83	P	V
			5862	52.42	-56.42	108.84	41.9	32.42	10.59	32.49	100	83	P	V
		5915	52.6	-22.97	75.57	41.89	32.56	10.62	32.47	100	83	P	V	
		5930	52.42	-15.78	68.2	41.65	32.62	10.62	32.47	100	83	P	V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 													



Band 4 5725~5850MHz

WIFI 802.11ax HE80(Partial RU) (Harmonic @ 3m)

WIFI Ant. 1+2	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 (RU 484/65)		11550	46.27	-27.73	74	52.7	39.5	17.57	63.5	100	0	P	H
		17325	45.44	-22.76	68.2	44.56	40.27	22.15	61.54	100	0	P	H
													H
													H
CH 155 5775MHz		11550	45.98	-28.02	74	52.41	39.5	17.57	63.5	100	0	P	V
		17325	46.27	-21.93	68.2	45.39	40.27	22.15	61.54	100	0	P	V
													V
													V
802.11ax HE80 (RU 484/66)		11550	47.12	-26.88	74	53.55	39.5	17.57	63.5	100	0	P	H
		17325	46.72	-21.48	68.2	45.84	40.27	22.15	61.54	100	0	P	H
													H
													H
CH 155 5775MHz		11550	45.74	-28.26	74	52.17	39.5	17.57	63.5	100	0	P	V
		17325	45.07	-23.13	68.2	44.19	40.27	22.15	61.54	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ax HE80 (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.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
5GHz 802.11ax HE80 LF		110.51	26.1	-17.4	43.5	40.08	17	1.42	32.4	-	-	P	H	
		119.24	25.02	-18.48	43.5	38.47	17.5	1.47	32.42	-	-	P	H	
		200.72	24.49	-19.01	43.5	40.09	15.03	1.96	32.59	-	-	P	H	
		741.01	31.54	-14.46	46	31.6	28.12	3.81	31.99	-	-	P	H	
		941.8	33.51	-12.49	46	29.96	30.41	4.32	31.18	-	-	P	H	
		958.29	33.64	-12.36	46	29.11	31.13	4.36	30.96	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			35.82	26.9	-13.1	40	36.4	22.13	0.82	32.45	-	-	P	V
			54.25	25.69	-14.31	40	44.49	12.73	1	32.53	-	-	P	V
			97.9	24.17	-19.33	43.5	39.51	15.7	1.35	32.39	-	-	P	V
			760.41	30.64	-15.36	46	30.41	28.41	3.87	32.05	-	-	P	V
			886.51	32.08	-13.92	46	30.79	28.9	4.18	31.79	-	-	P	V
			953.44	33.8	-12.2	46	29.5	30.97	4.35	31.02	100	0	P	V
													V	
													V	
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. 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	Peak or Average
H/V	Horizontal or Vertical



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Cookie Ku , Fu Chen , and Troye Hsieh	Temperature :	16.7~26.7°C
		Relative Humidity :	29.7~69.4%

Note symbol

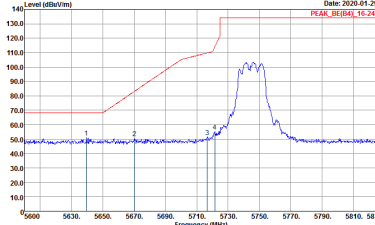
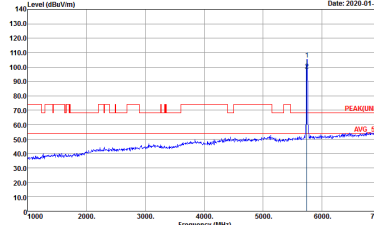
-L	Low channel location
-R	High channel location



Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-4FY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 900701</p>	<p>Site : 03CH11-4FY Condition : PEAK(LINII) 3m HORN 91200-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 900701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2020-01-29 PEAK_REF(49)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>	 <p>Date: 2020-01-29 PEAK_REF(49)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>

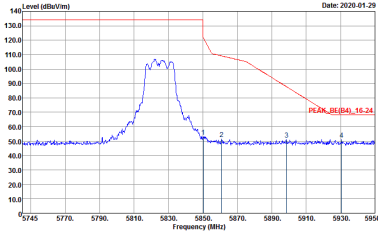
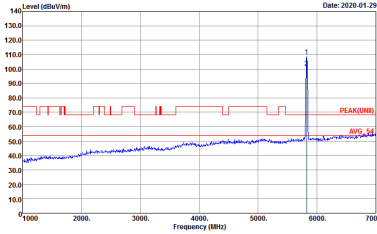


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK_UNI(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>	<p>Left blank</p>

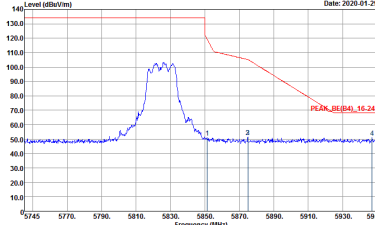
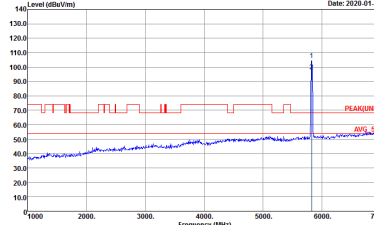


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak	 <p> Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701 </p>	 <p> Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701 </p>



Band 4 - 5725~5850MHz

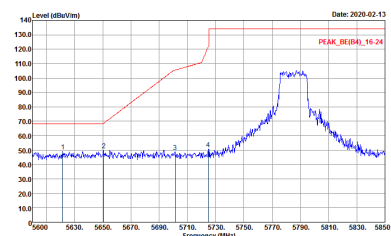
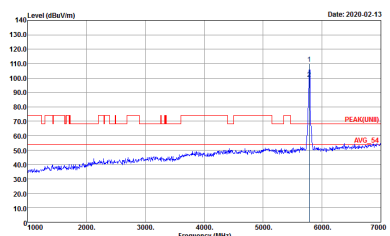
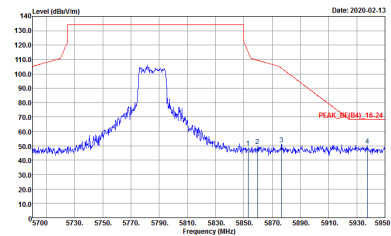
WIFI 802.11ax HE20(FULL RU) (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(FULL RU) CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-4FY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 900701</p>	<p>Site : 03CH11-4FY Condition : PEAK(LINII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 900701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(FULL RU) CH149 5745MHz	
1+2	Vertical	Fundamental
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>	<p>Site : 03CH11-HY Condition : PEAK_UN(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>

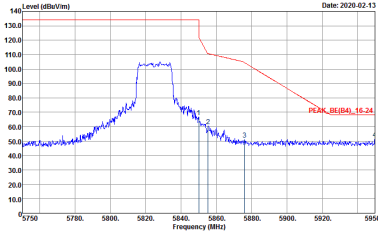
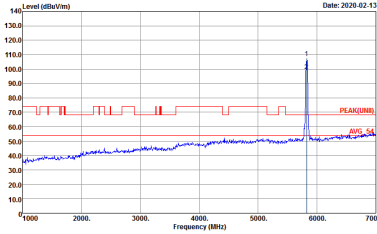


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(FULL RU) CH157 5785MHz	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>	<p>Left blank</p>

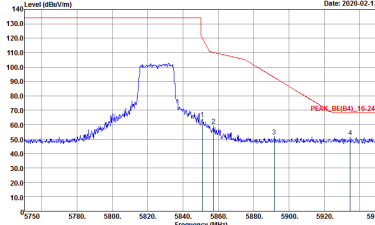
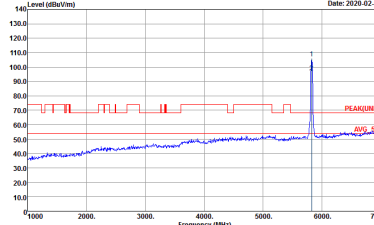


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(FULL RU) CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(FULL RU) CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNI) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(FULL RU) CH165 5825MHz	
1+2	Vertical	Fundamental
Peak Avg.	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>



Band 4 5725~5850MHz
WIFI 802.11ax HE40(FULL RU) (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(FULL RU) CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	Left blank

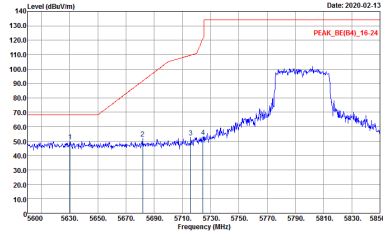
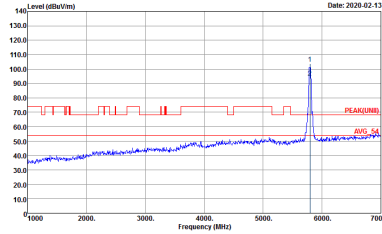
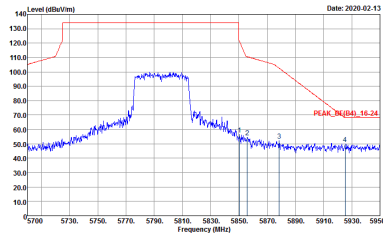


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(FULL RU) CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



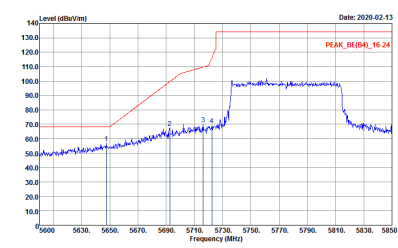
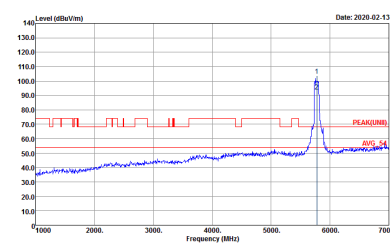
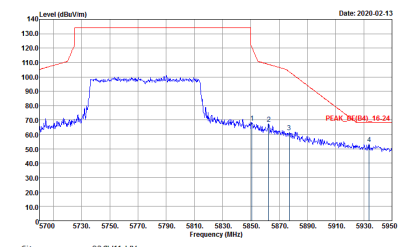
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(FULL RU) CH159 5795MHz	
1+2	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 9D0701</p>	<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(FULL RU) CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK_UN(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



Band 4 5725~5850MHz
WIFI 802.11ax HE80(FULL RU) (Band Edge @ 3m)

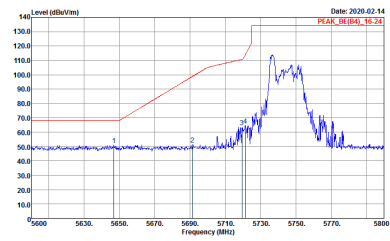
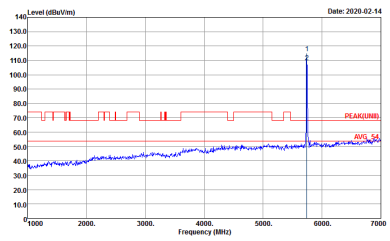
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80(FULL RU) CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



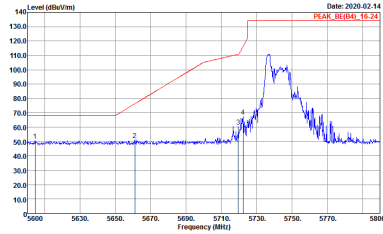
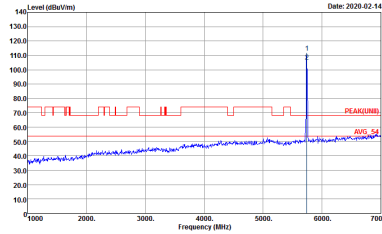
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80(FULL RU) CH155 5775MHz	
1+2	Vertical	Fundamental
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Left blank</p>



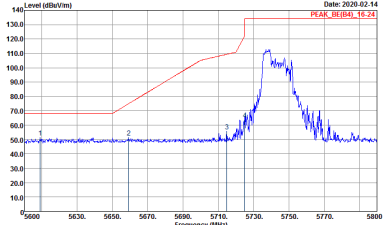
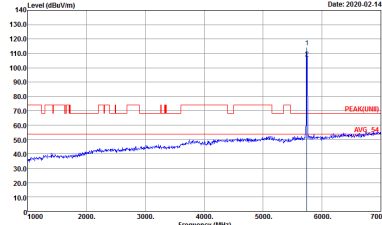
Band 4 5725~5850MHz
WIFI 802.11ax HE20(Partial RU) (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 26/0) CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNB) 3m HORN 91200-HF HORIZONTAL Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>

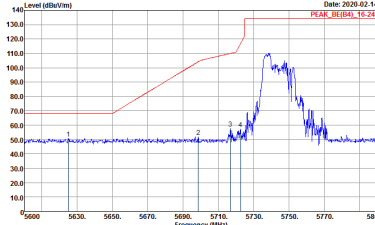
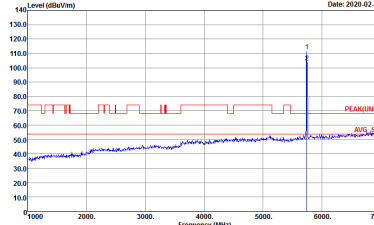


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 26/0) CH149 5745MHz	
1+2	Vertical	Fundamental
Peak Avg.	 <p>Date: 2020.02.14 PEAK: 130.0 [5745.7532]</p> <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>	 <p>Date: 2020.02.14</p> <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>

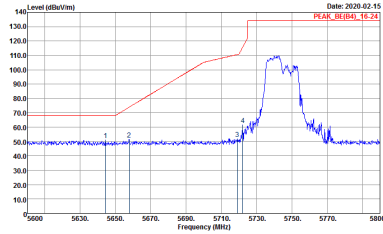
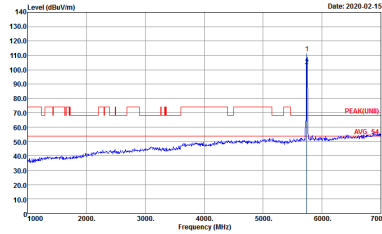


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 52/37) CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020.02.14 PEAK_BE(84)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>	 <p>Date: 2020.02.14 PEAK_UNI(1)_3m</p> <p>Site : 03CH11-HY Condition : PEAK_UNI(1)_3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 52/37) CH149 5745MHz	
1+2	Vertical	Fundamental
<p>Peak Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 106/53) CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020.02.15 PEAK_REGION: 76.320</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>	 <p>Date: 2020.02.15</p> <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 106/53) CH149 5745MHz	
1+2	Vertical	Fundamental
Peak Avg.	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p> </div> <div style="width: 45%;"> <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p> </div> </div>	

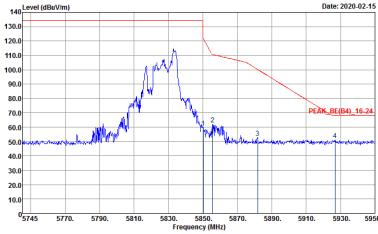
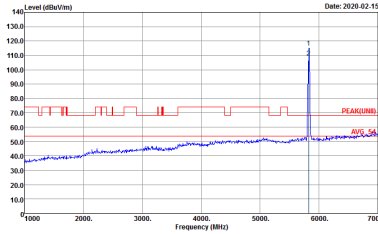


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 26/4) CH157 5785MHz	
1+2	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
<p>Peak</p>	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Left blank</p>

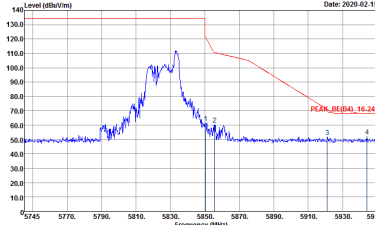
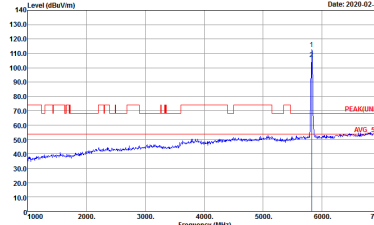


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 26/4) CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank

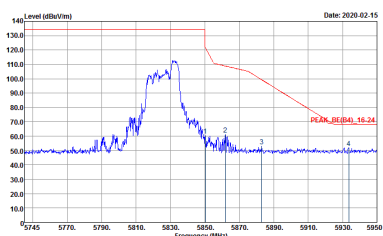
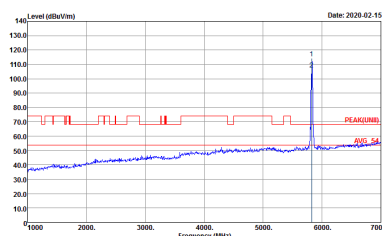


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 26/8) CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 <p> Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701 </p>	 <p> Site : 03CH11-HY Condition : PEAK(UNI) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701 </p>

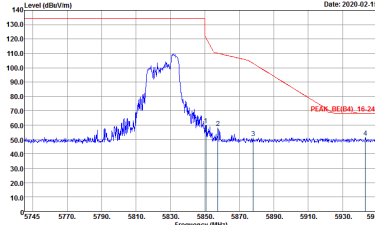
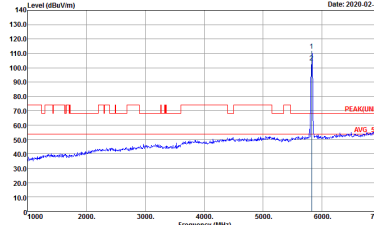


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 26/8) CH165 5825MHz	
1+2	Vertical	Fundamental
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNI) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>

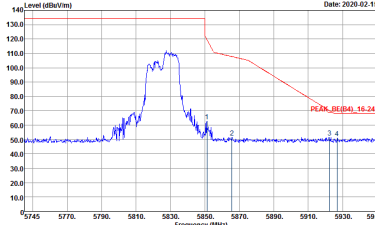
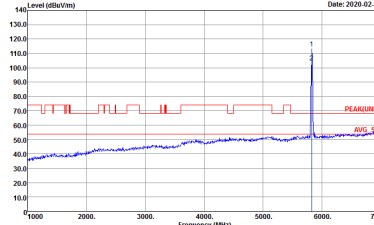


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 52/40) CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 <p> Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701 </p>	 <p> Site : 03CH11-HY Condition : PEAK(UNI) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701 </p>

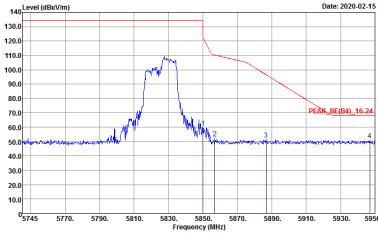
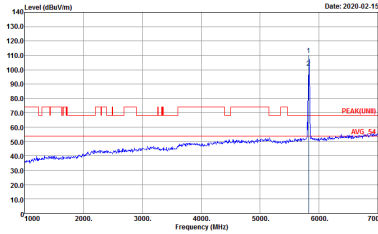


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 52/40) CH165 5825MHz	
1+2	Vertical	Fundamental
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAKUNIB 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 106/54) CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020.02.15</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>	 <p>Date: 2020.02.15</p> <p>Site : 03CH11-HY Condition : PEAK(UNI) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900701</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20(RU 106/54) CH165 5825MHz	
1+2	Vertical	Fundamental
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 950701</p>



Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(RU 242 61) CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(RU 242/61) CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(RU 242/62) CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNI) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40(RU 242/62) CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



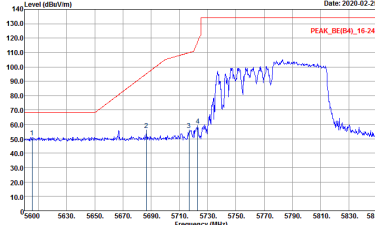
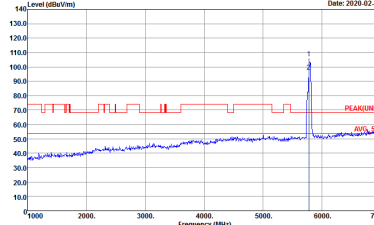
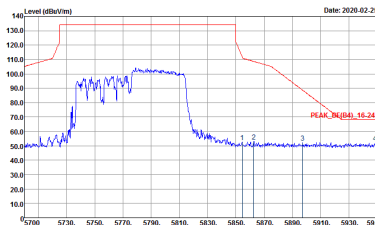
Band 4 5725~5850MHz
WIFI 802.11ax HE80(Partial RU) (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 (RU 484/65) CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNB) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80(RU 484/65) CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK_UNI(B4)_16-24 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 (RU 484/66) CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020-02-25</p> <p>PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	 <p>Date: 2020-02-25</p> <p>PEAK(FUNB)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK(FUNB)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>
Peak	 <p>Date: 2020-02-25</p> <p>PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0701</p>	Left blank



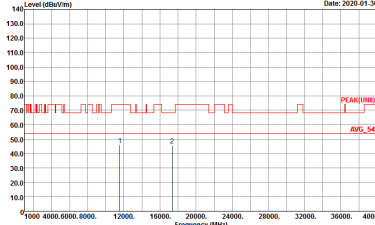
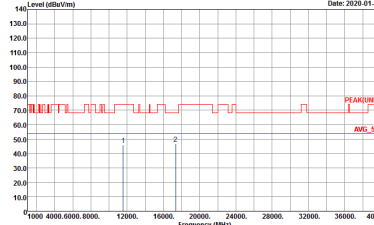
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80(RU 484/66) CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>	Left blank



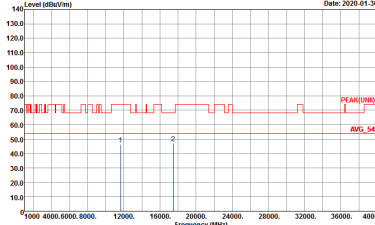
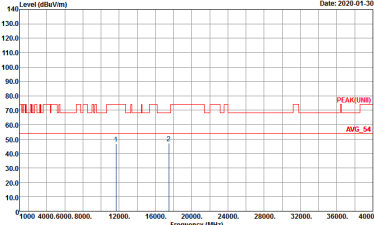
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-4FY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-4FY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

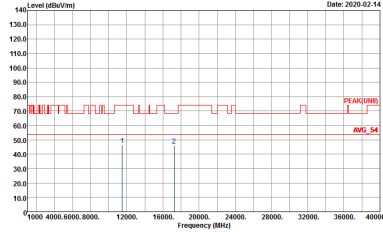
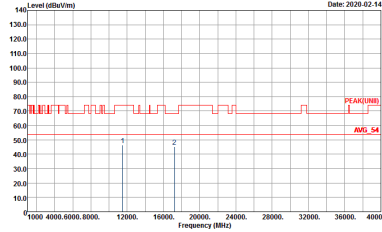


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



Band 4 - 5725~5850MHz

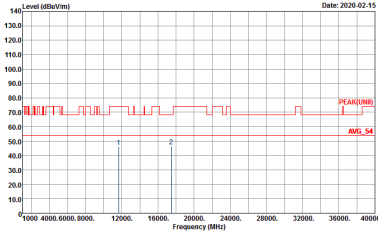
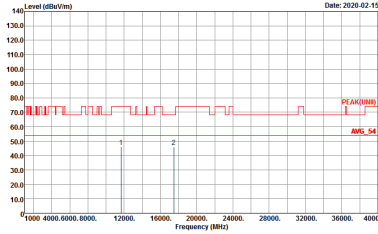
WIFI 802.11ax HE20(FULL RU) (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(FULL RU) CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-4FY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-4FY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(FULL RU) CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



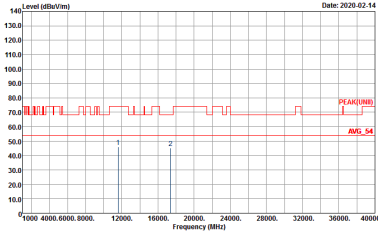
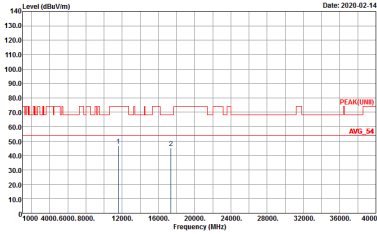
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(FULL RU) CH165 5825MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



Band 4 5725~5850MHz
WIFI 802.11ax HE40(FULL RU) (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40(FULL RU) CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40(FULL RU) CH159 5795MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



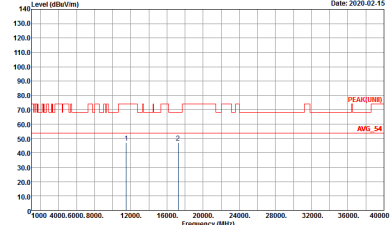
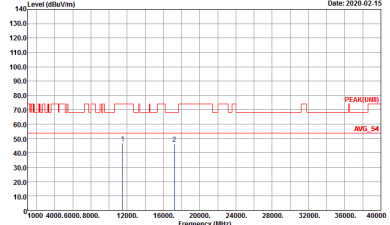
Band 4 5725~5850MHz
WIFI 802.11ax HE80(FULL RU) (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80(FULL RU) CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

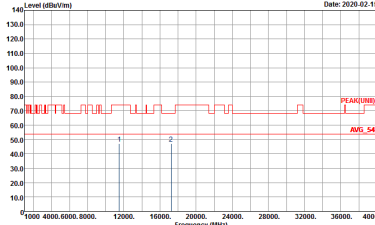
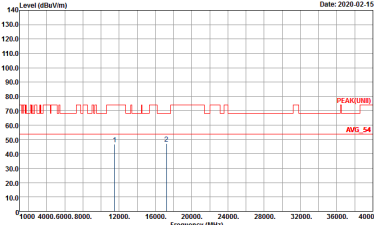


Band 4 - 5725~5850MHz

WIFI 802.11ax HE20(Partial RU) (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(RU 26/0) CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

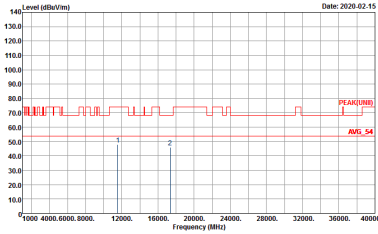
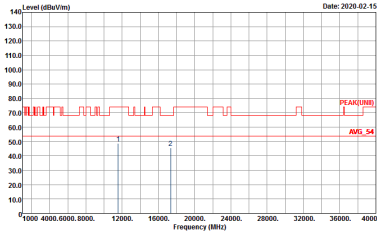


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(RU 52/37) CH149 5745MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(RU 106/53) CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

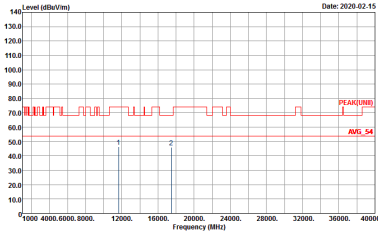
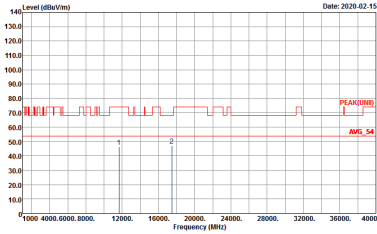


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(RU 26/4) CH157 5785MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

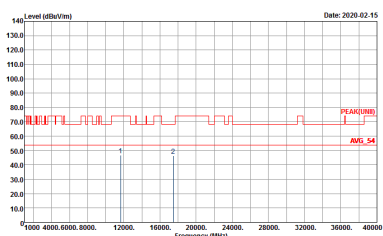
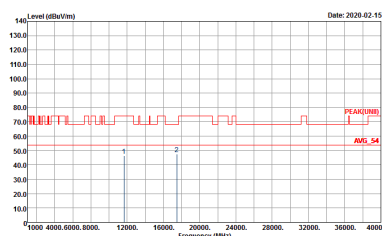


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(RU 26/8) CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(RU 52/40) CH165 5825MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

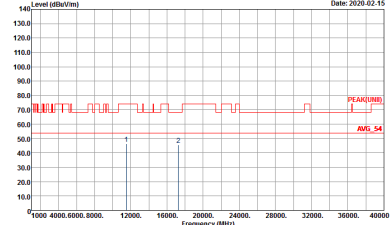
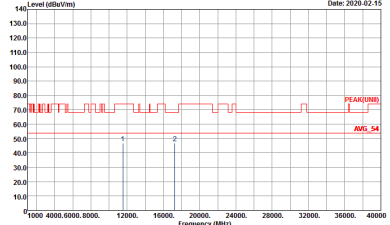


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20(RU 106/54) CH165 5825MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

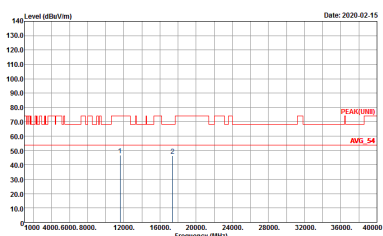
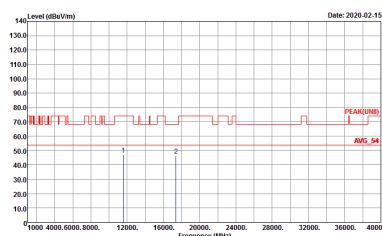


Band 4 - 5725~5850MHz

WIFI 802.11ax HE40(Partial RU) (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40(RU 242/61) CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

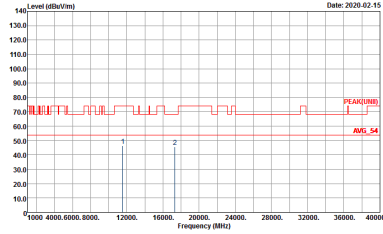
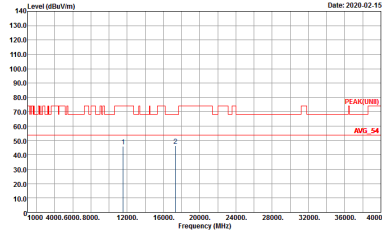


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40(RU 242/62) CH159 5795MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>

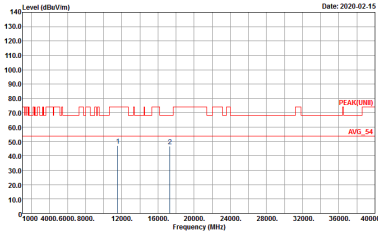
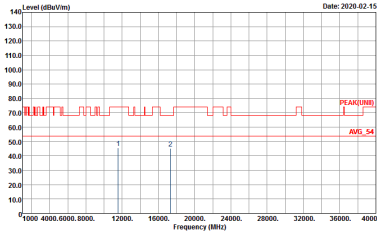


Band 4 - 5725~5850MHz

WIFI 802.11ax HE80(Partial RU) (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80(RU 484/65) CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80(RU 484/66) CH155 5775MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 9D0701</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNED) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 9D0701</p>



**Emission below 1GHz
5GHz WIFI 802.11ax HE80 (LF)**

WIFI	5GHz 5725~5850MHz	
ANT	802.11ax HE80 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH11-4FY Condition : QP 3m B1LOG_15_41912 HORIZONTAL Detector : Peak Project : 9D0701</p>	<p>Site : 03CH11-4FY Condition : QP 3m B1LOG_15_41912 VERTICAL Detector : Peak Project : 9D0701</p>



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1+2	802.11a for Ant 1	99.06	-	-	10Hz	0.04
1+2	802.11a for Ant 2	98.59	-	-	10Hz	0.06
1+2	5GHz 802.11n HT20 for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11n HT20 for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11n HT40 for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11n HT40 for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ac VHT20 for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ac VHT20 for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ac VHT40 for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ac VHT40 for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ac VHT80 for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ac VHT80 for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ax HE20_Full RU for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ax HE20_Full RU for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ax HE20_26 RU for Ant 1	98.66	-	-	10Hz	0.06
1+2	5GHz 802.11ax HE20_26 RU for Ant 2	98.86	-	-	10Hz	0.05
1+2	5GHz 802.11ax HE20_52 RU for Ant 1	98.48	-	-	10Hz	0.07
1+2	5GHz 802.11ax HE20_52 RU for Ant 2	98.48	-	-	10Hz	0.07
1+2	5GHz 802.11ax HE20_106 RU for Ant 1	98.38	-	-	10Hz	0.07
1+2	5GHz 802.11ax HE20_106 RU for Ant 2	98.38	-	-	10Hz	0.07

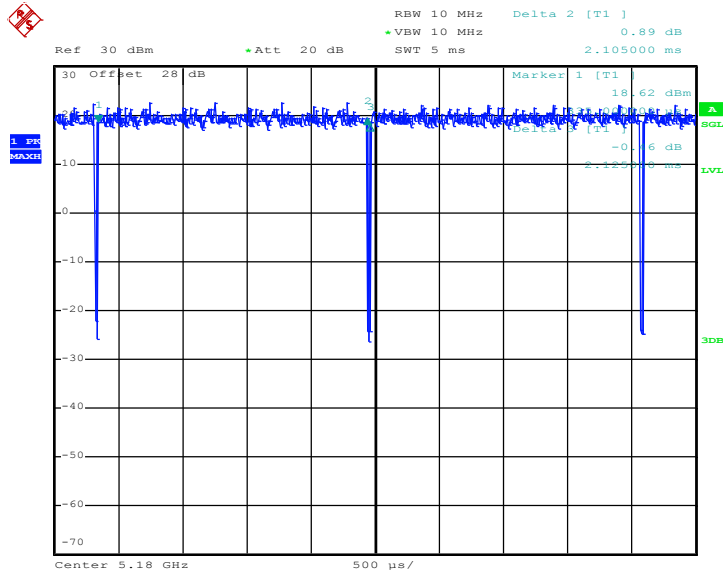


Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1+2	5GHz 802.11ax HE40_Full RU for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ax HE40_Full RU for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ax HE40_242 RU for Ant 1	98.55	-	-	10Hz	0.06
1+2	5GHz 802.11ax HE40_242 RU for Ant 2	98.34	-	-	10Hz	0.07
1+2	5GHz 802.11ax HE80_Full RU for Ant 1	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ax HE80_Full RU for Ant 2	100.00	-	-	10Hz	0.00
1+2	5GHz 802.11ax HE80_242 RU for Ant 1	98.15	-	-	10Hz	0.08
1+2	5GHz 802.11ax HE80_242 RU for Ant 2	98.55	-	-	10Hz	0.06



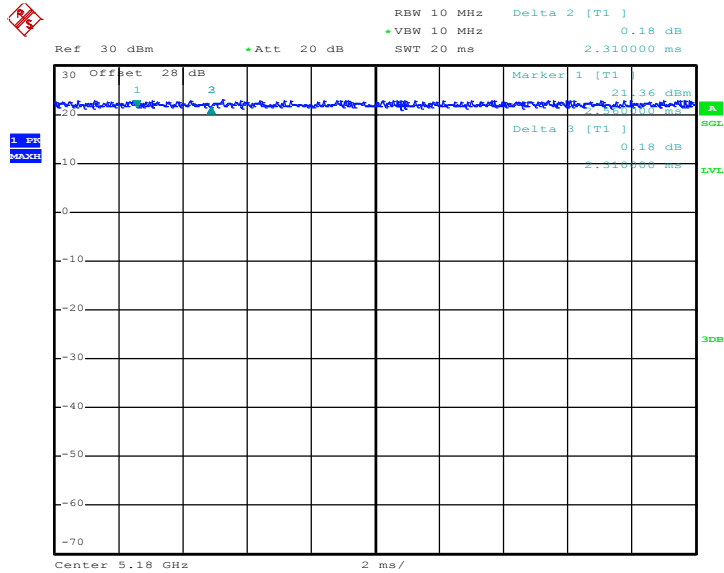
MIMO <Ant. 1>

802.11a



Date: 13.JAN.2020 16:29:22

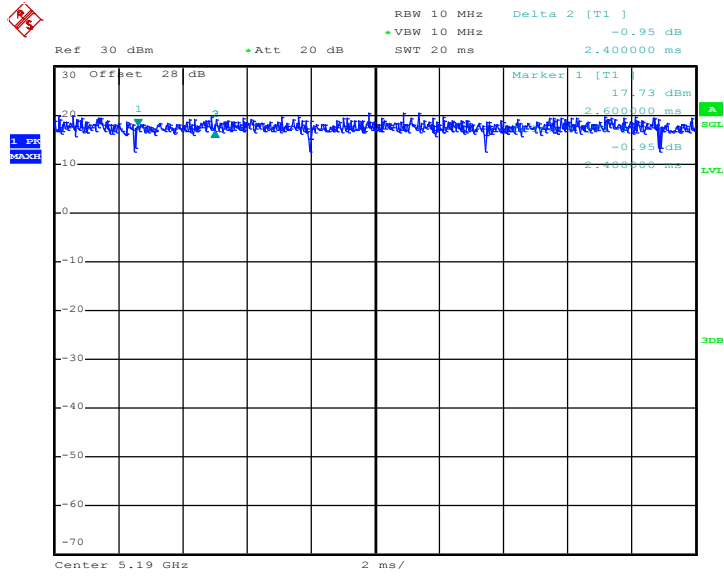
802.11n HT20



Date: 9.JAN.2020 16:15:10

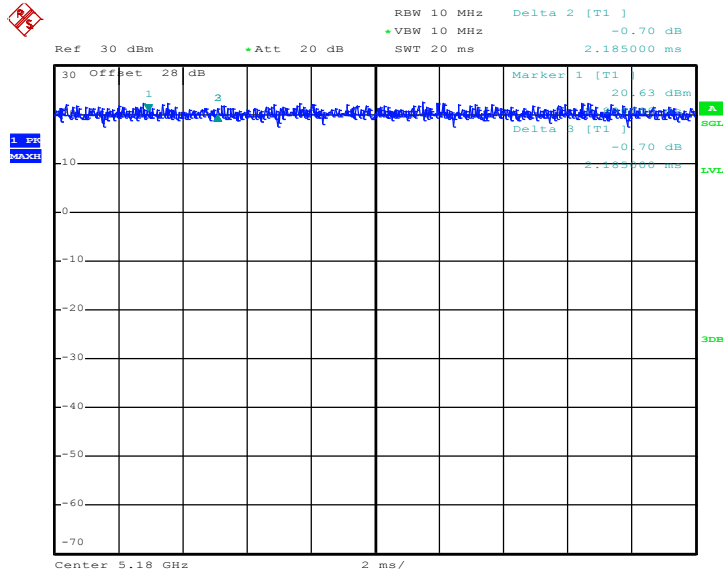


802.11n HT40



Date: 9.JAN.2020 17:46:09

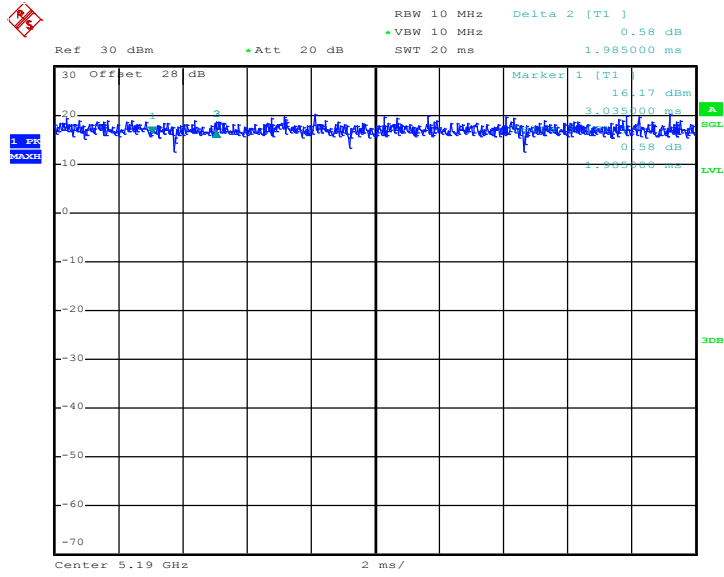
802.11ac VHT20



Date: 9.JAN.2020 17:51:45

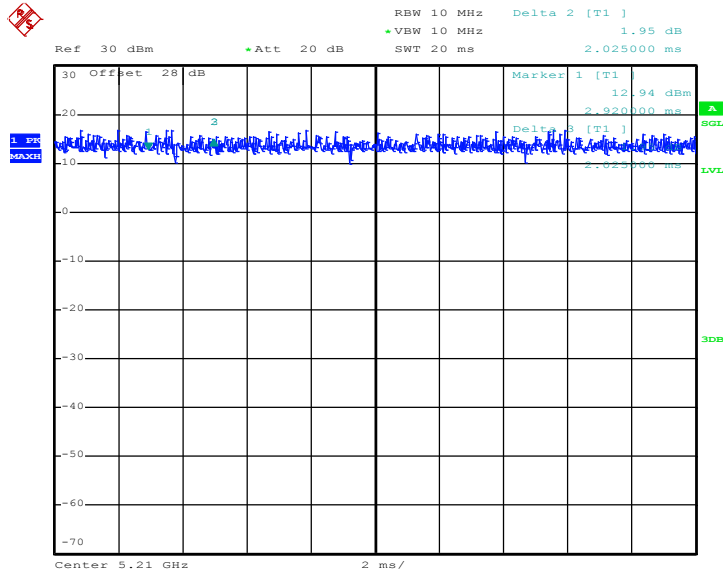


802.11ac VHT40



Date: 9.JAN.2020 17:56:26

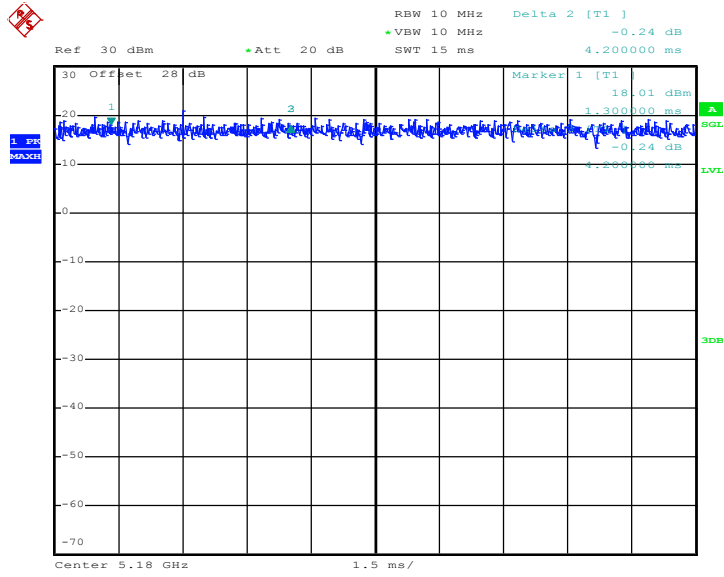
802.11ac VHT80



Date: 9.JAN.2020 18:01:22

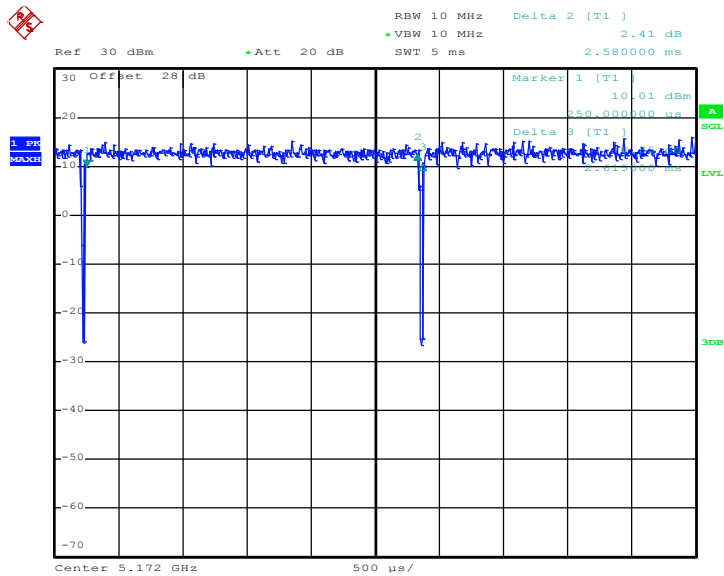


802.11ax HE20_Full RU



Date: 6.FEB.2020 16:21:06

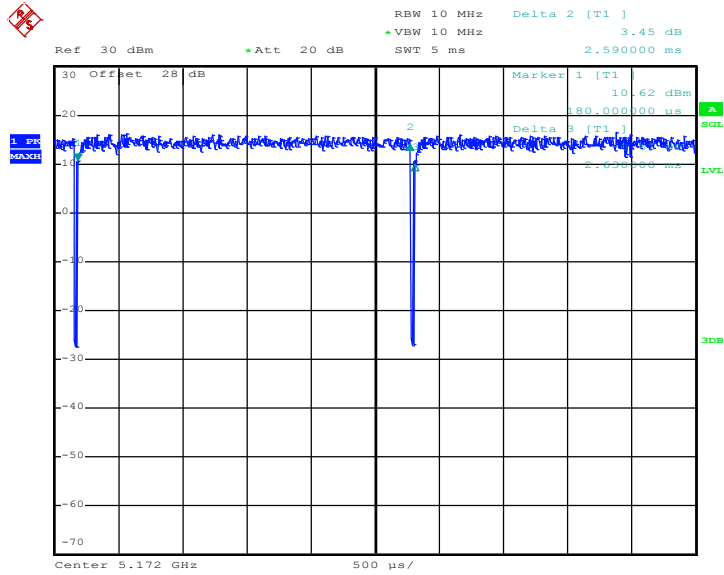
802.11ax HE20_26 RU



Date: 26.FEB.2020 09:05:03

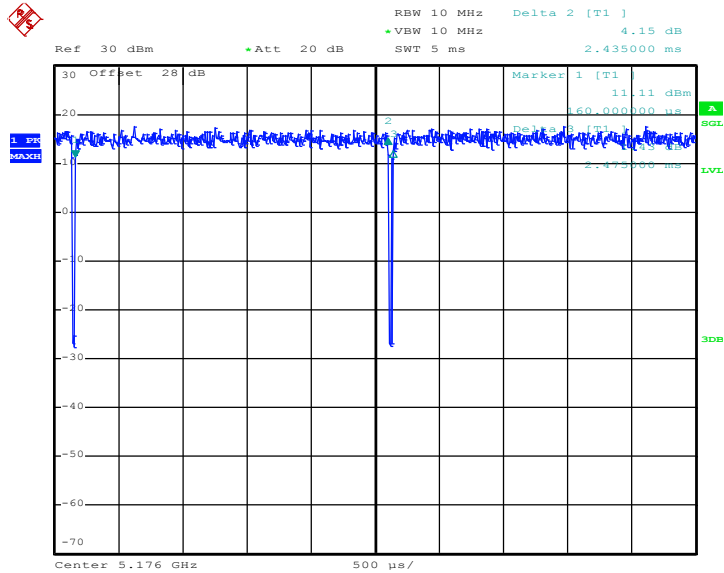


802.11ax HE20_52 RU



Date: 26.FEB.2020 09:10:27

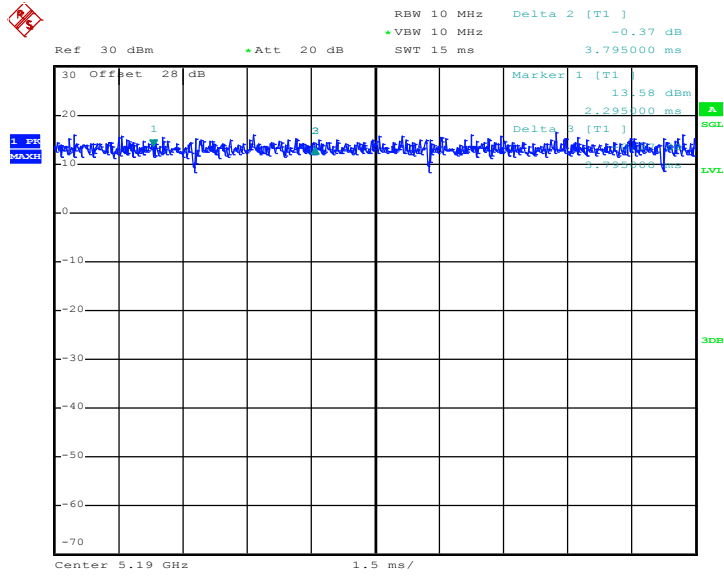
802.11ax HE20_106



Date: 26.FEB.2020 09:12:32

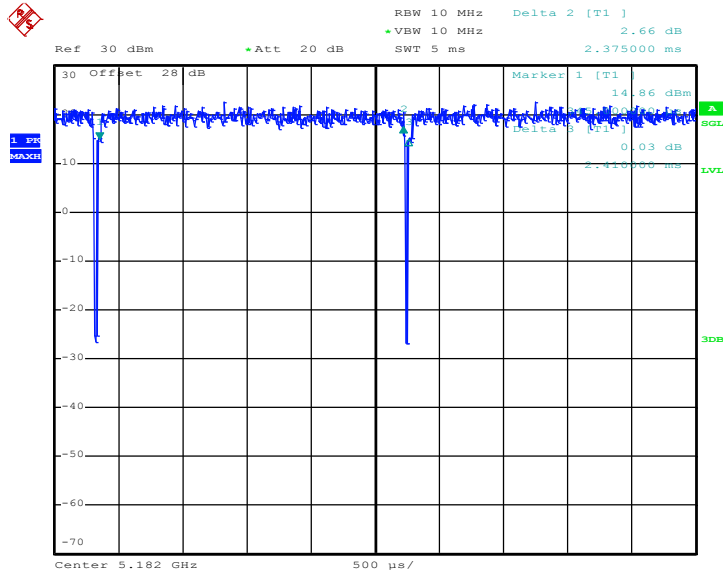


802.11ax HE40_Full RU



Date: 6.FEB.2020 16:24:53

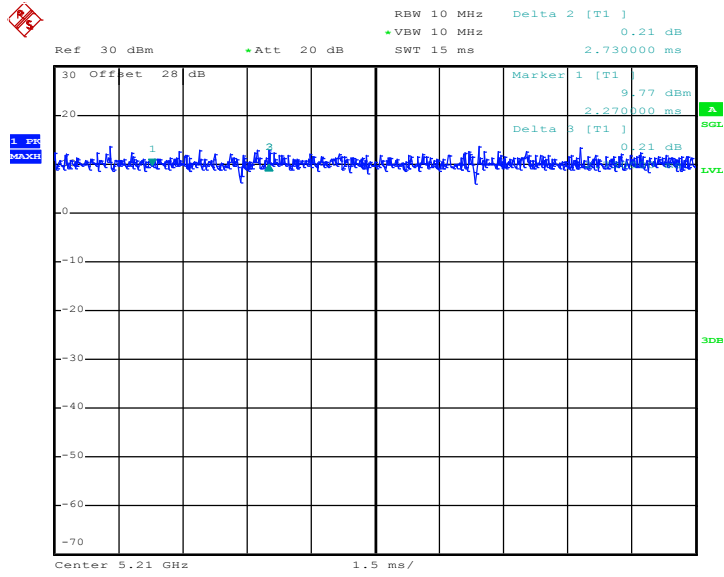
802.11ax HE40_242 RU



Date: 26.FEB.2020 09:21:10

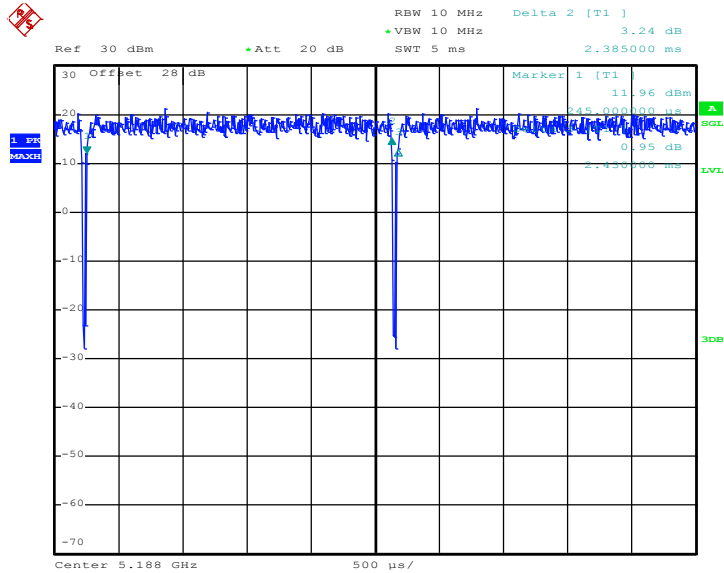


802.11ax HE80_Full RU



Date: 6.FEB.2020 16:28:12

802.11ax HE80_242 RU

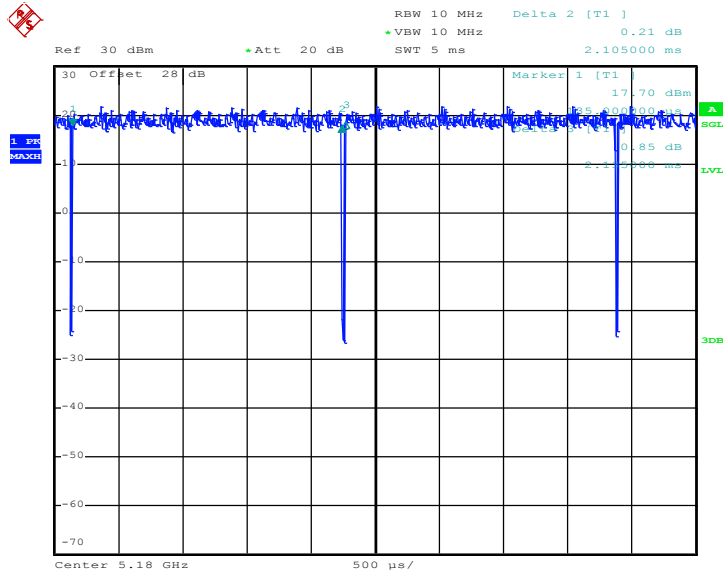


Date: 26.FEB.2020 09:30:40



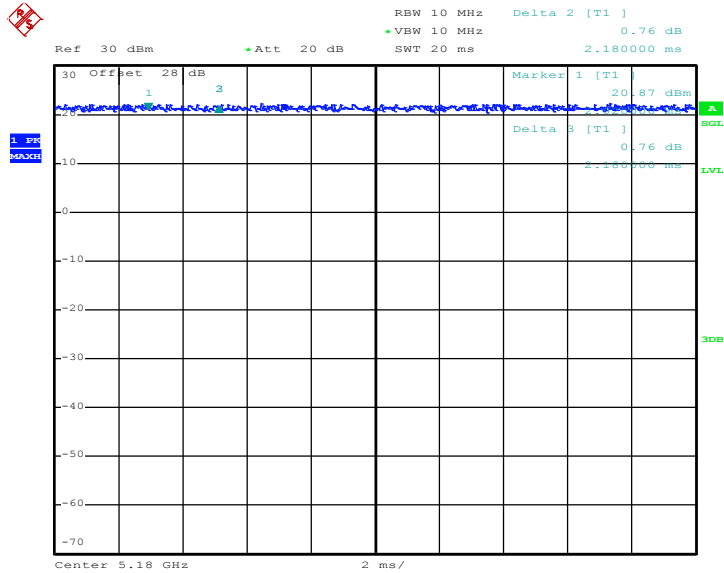
MIMO <Ant. 2>

802.11a



Date: 13.JAN.2020 16:30:24

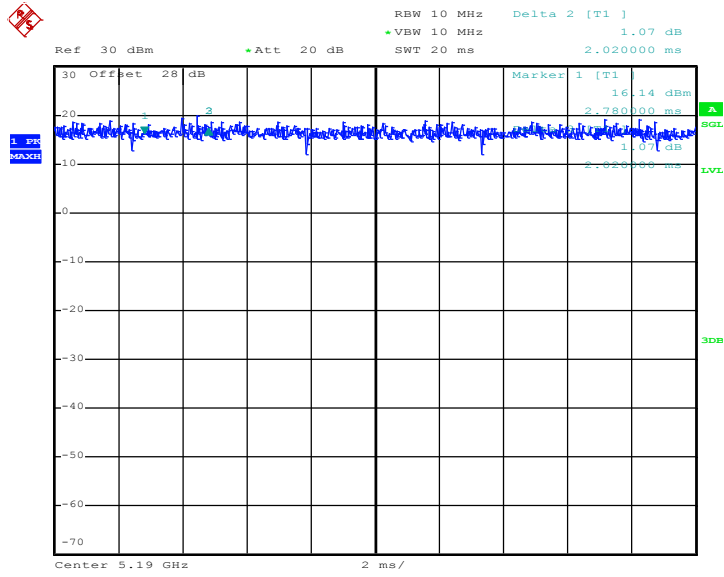
802.11n HT20



Date: 9.JAN.2020 16:16:13

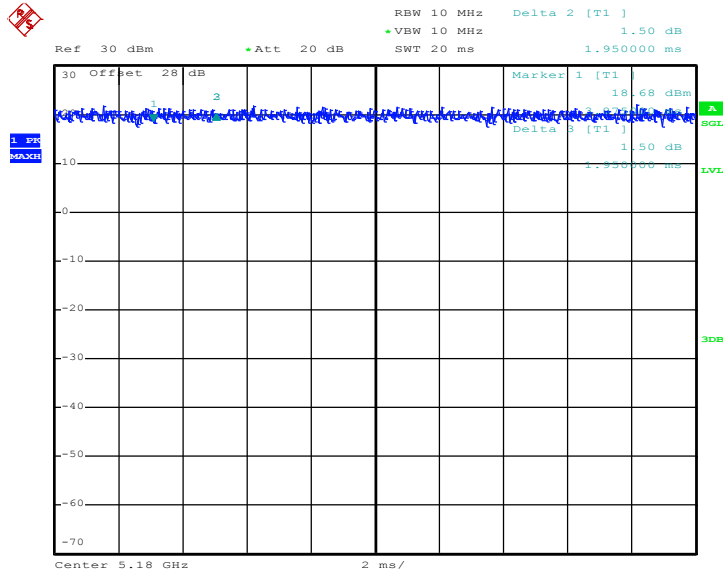


802.11n HT40



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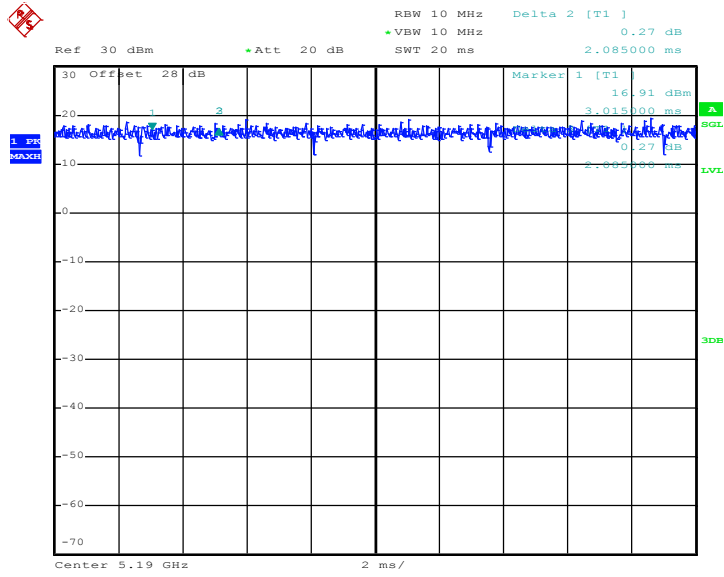
802.11ac VHT20



Date: 9.JAN.2020 17:52:45

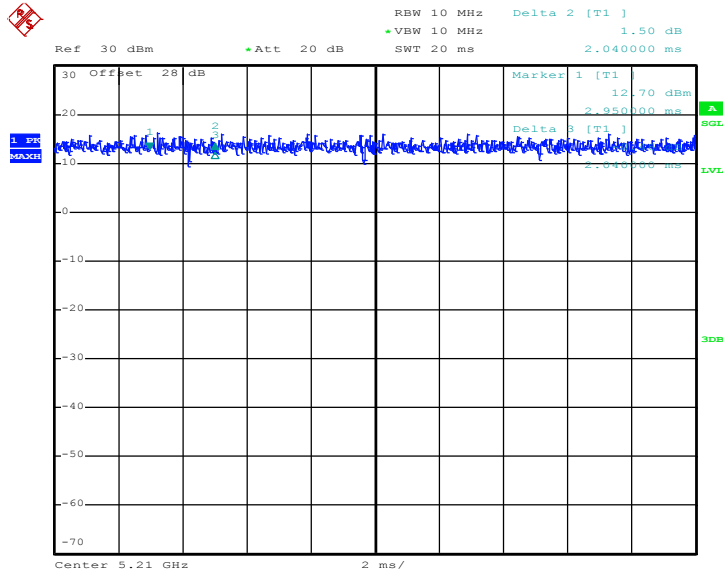


802.11ac VHT40



Date: 9.JAN.2020 17:57:14

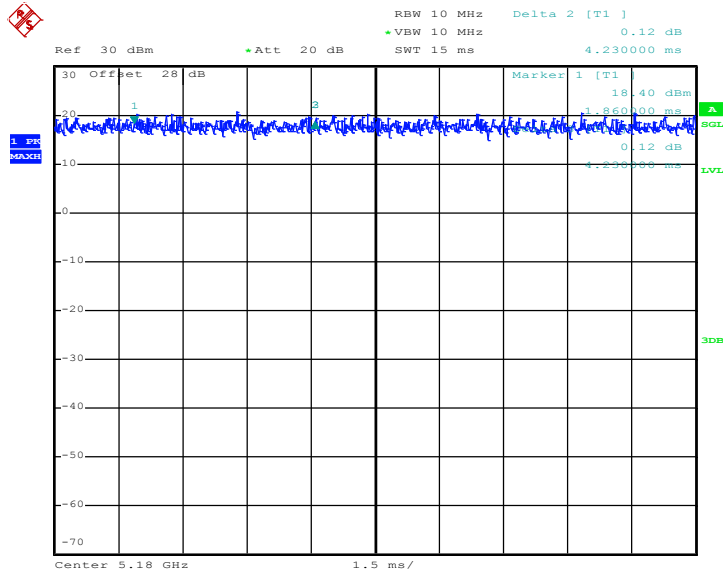
802.11ac VHT80



Date: 9.JAN.2020 18:02:37

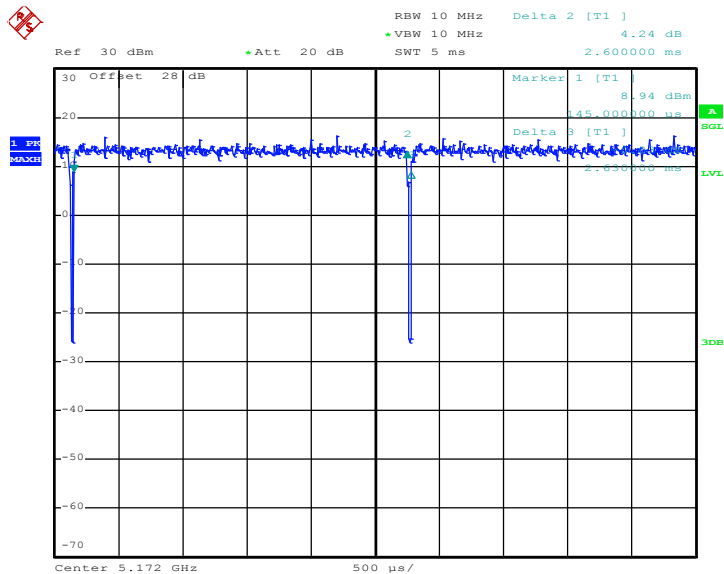


802.11ax HE20_Full RU



Date: 6.FEB.2020 16:23:04

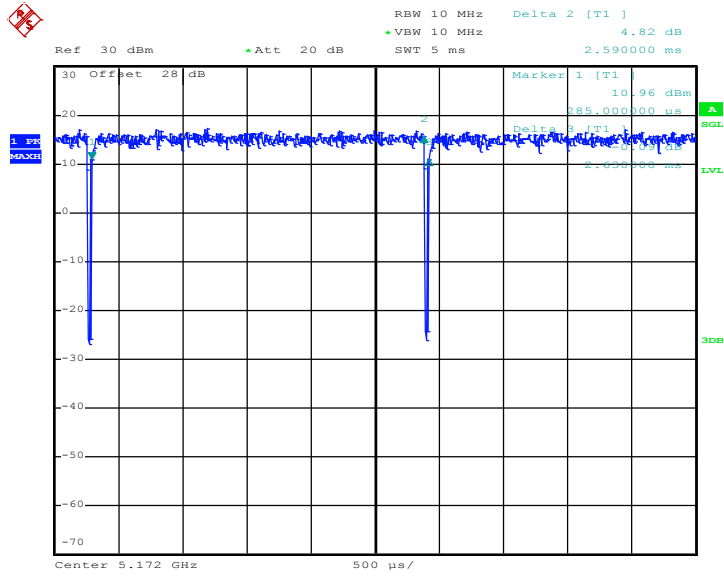
802.11ax HE20_26 RU



Date: 26.FEB.2020 09:04:07

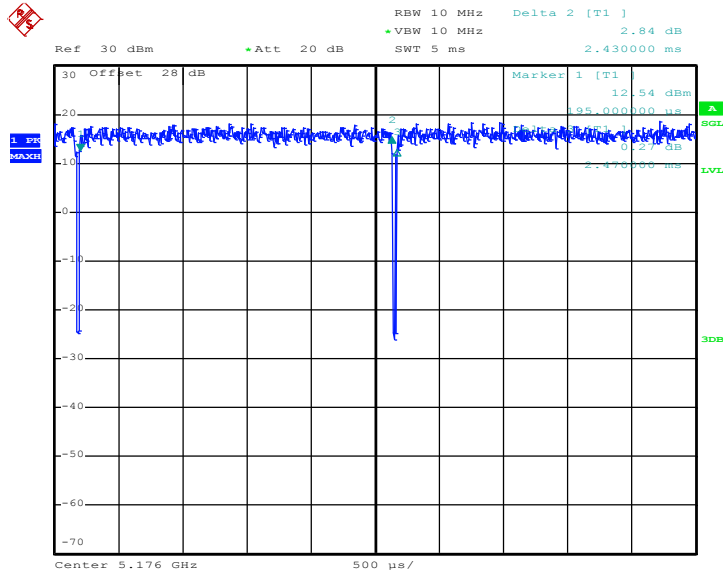


802.11ax HE20_52 RU



Date: 26.FEB.2020 09:09:36

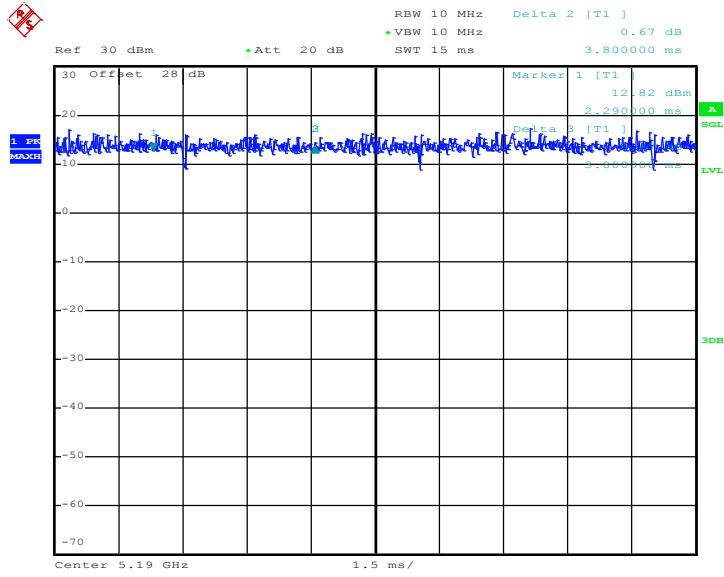
802.11ax HE20_106



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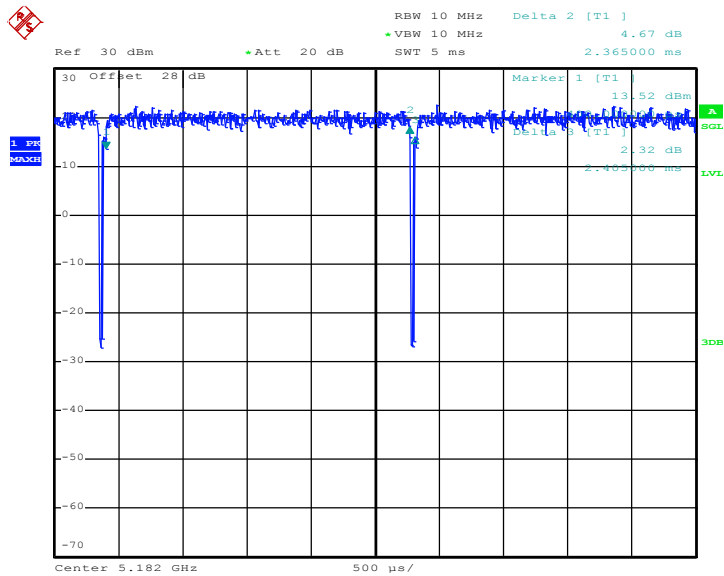


802.11ax HE40_Full RU



Date: 6.FEB.2020 16:25:43

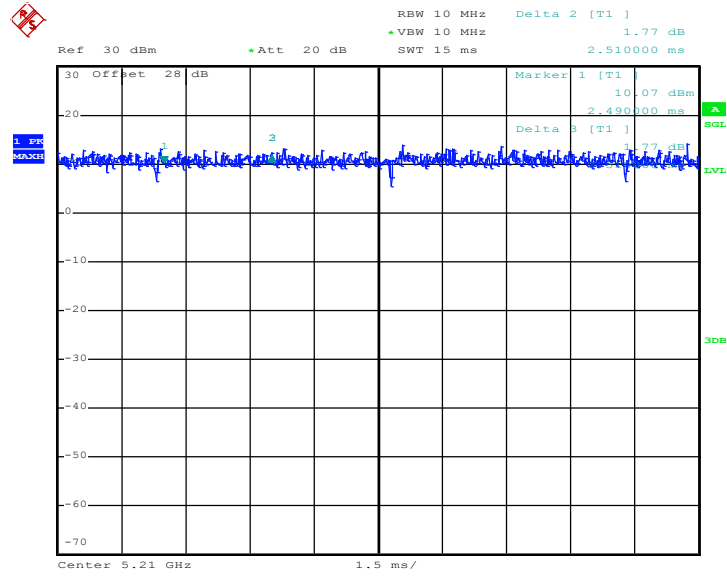
802.11ax HE40_242 RU



Date: 26.FEB.2020 09:22:07

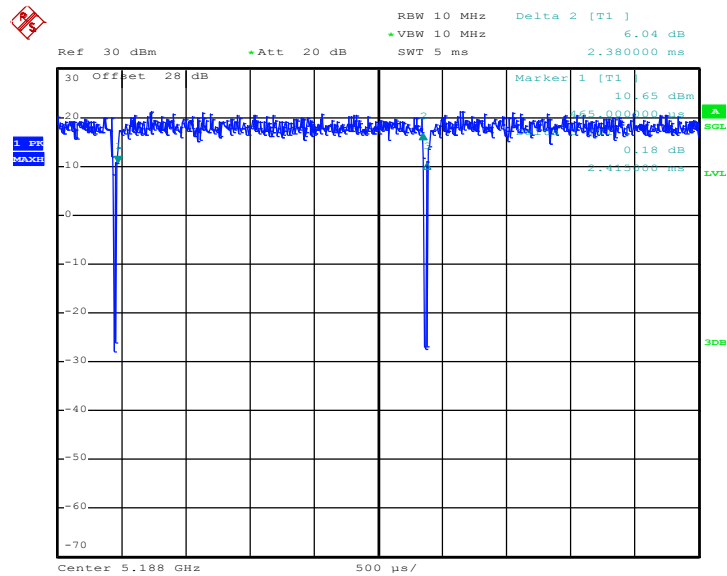


802.11ax HE80_Full RU



Date: 6.FEB.2020 16:28:54

802.11ax HE80_242 RU



Date: 26.FEB.2020 09:33:36