FCC RADIO TEST REPORT

FCC ID	:	R9C-CPH2025
Equipment	:	Mobile Phone
Brand Name	:	OPPO
Model Name	:	CPH2025
Applicant	:	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD. NO. 18 HaiBin Road, WuSha village, Chang An Town, DongGuan City, Guangdong, China
Manufacturer	:	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD. NO. 18 HaiBin Road, WuSha village, Chang An Town, DongGuan City, Guangdong, China
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Feb. 03, 2020 and testing was started from Feb. 06, 2020 and completed on Mar. 17, 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.)

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History of this test report

Report No.	Version	Description	Issued Date
FR020103F	01	Initial issue of report	Mar. 19, 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 6.34 dB at 48.430 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 10.56 dB at 0.500 MHz
3.6	15.407 (c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 & 15.407 (a)	Antenna Requirement	Pass	-

Remark: The FR020103F report reuse test data from the TR012210F report.

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: Celery Wei

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Sample 1	EUT with leather cover
Sample 2	EUT with ceramics cover
Antenna Type	WWAN: Fixed Internal Antenna WLAN: <Ant.1>: Fixed Internal Antenna <Ant.2>: Fixed Internal Antenna Bluetooth: Fixed Internal Antenna GPS / Glonass / BDS / Galileo: Fixed Internal Antenna NFC: Loop 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 (Y 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 "#" were 802.11ac VHT80.

2.2 Test Mode

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

MIMO Mode

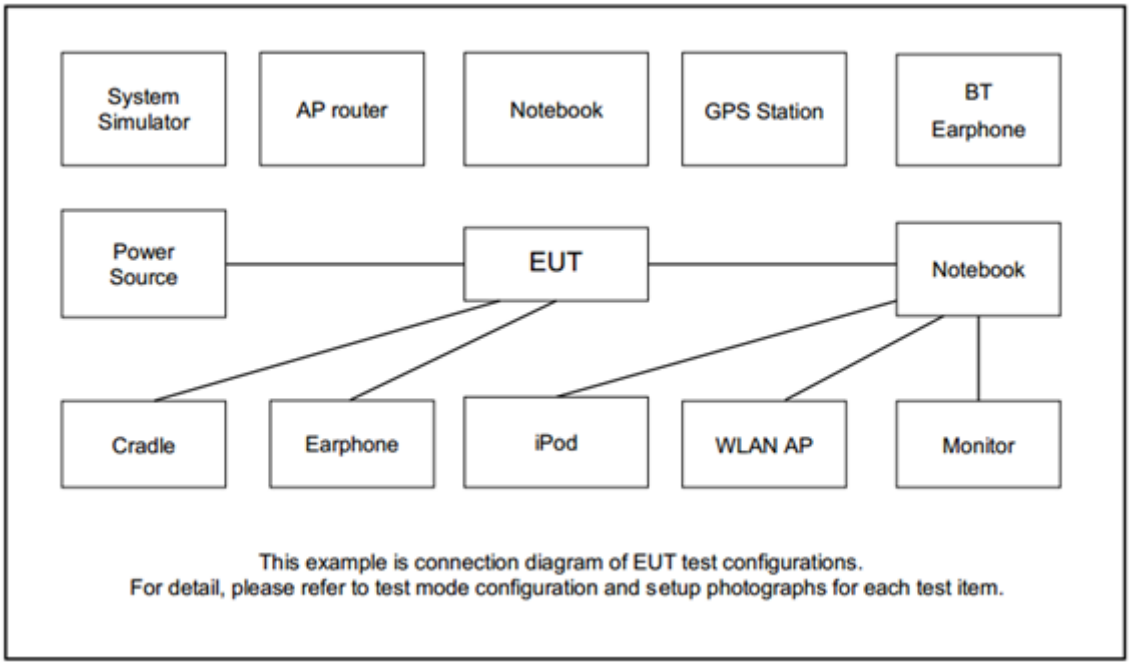
Modulation	Data Rate
802.11a	6 Mbps
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + GPS Rx + NFC on + USB Cable (Charging from AC Adapter)
Remark: For Radiated Test Cases, the tests were performed with Sample 1.	

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.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
3.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
5.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
6.	NOTE BOOK	Dell	Latitude 3400	FCC DoC	N/A	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT4 V4.0-00156” was installed in EUT which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 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.

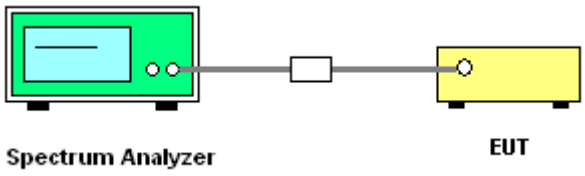
3.1.2 Measuring Instruments

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 ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

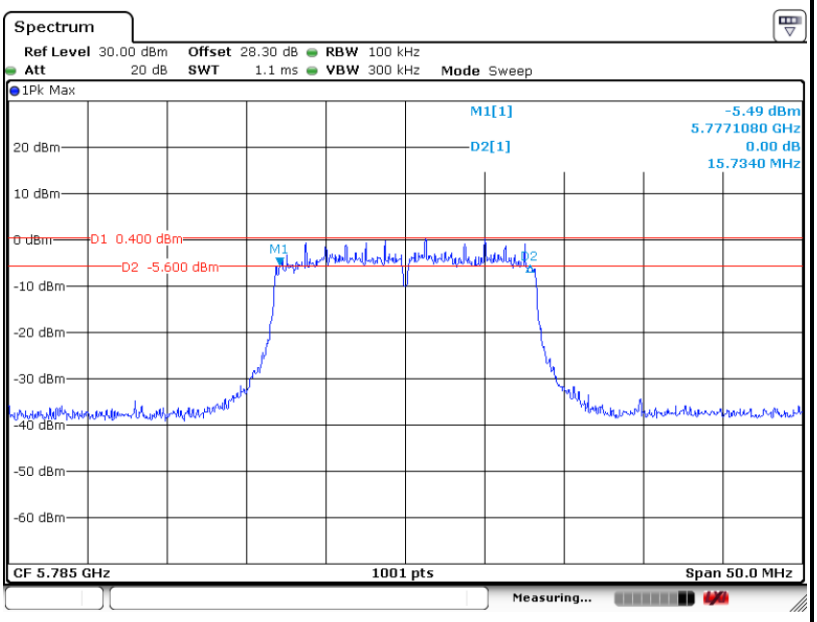
3.1.4 Test Setup



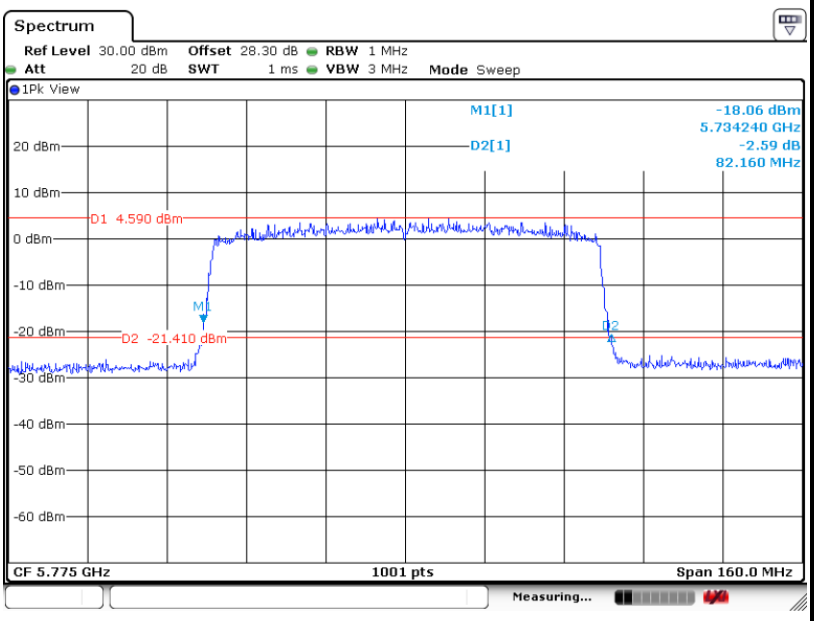
3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

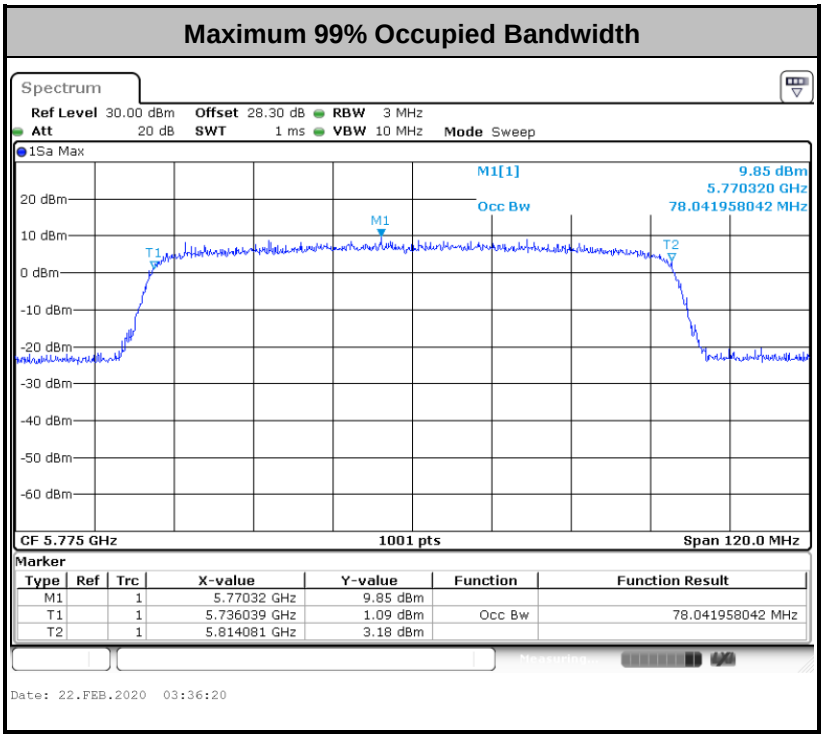
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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.

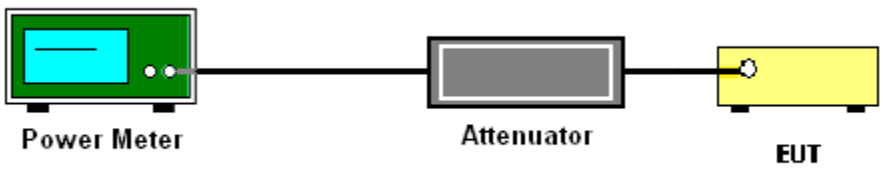
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

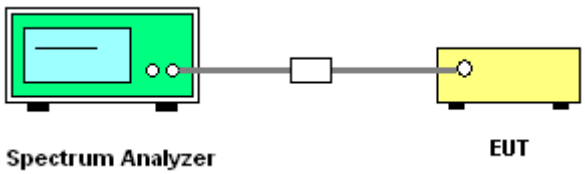
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

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

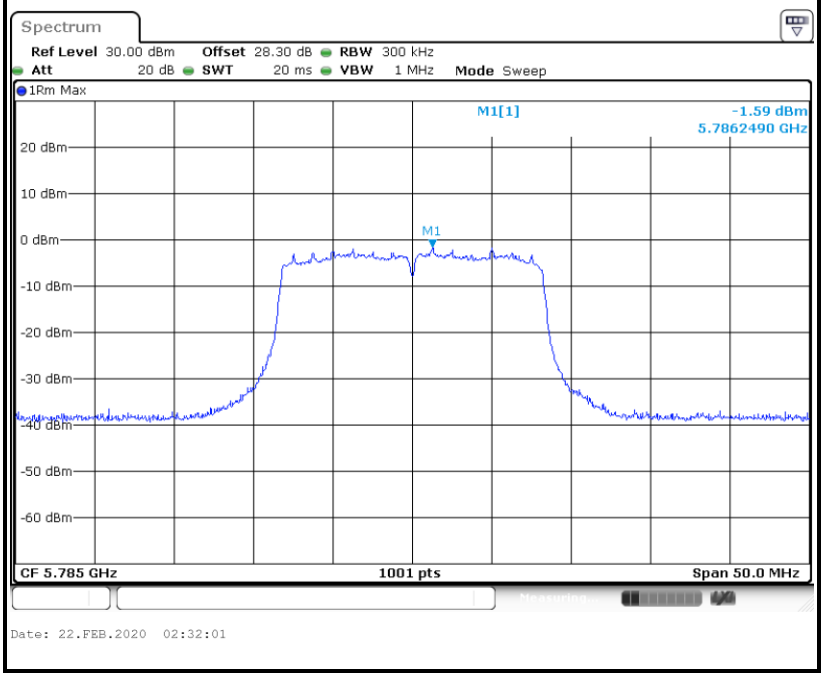
3.3.4 Test Setup



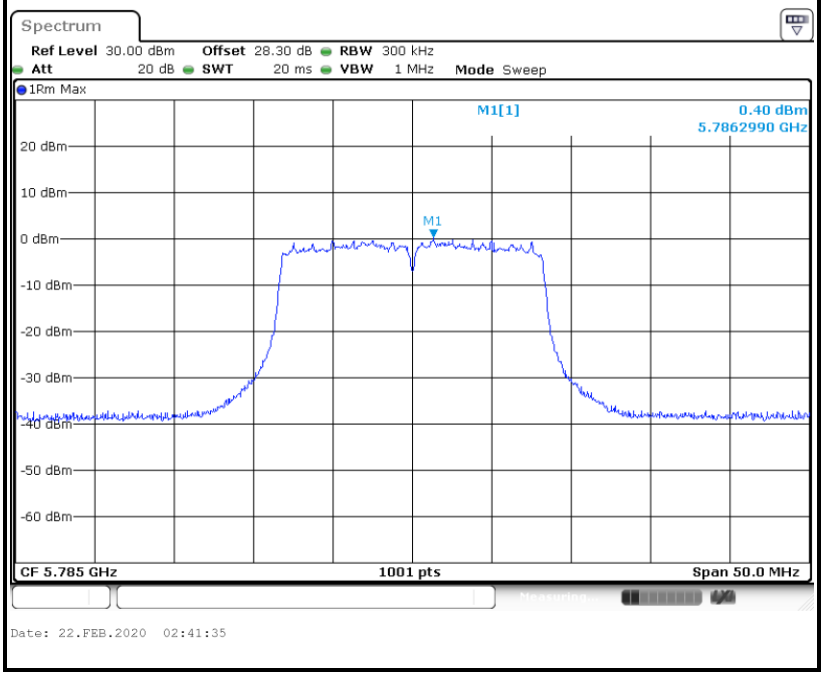
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz) for MIMO Ant. 1



Worst Case Power Density (dBm/MHz) for MIMO Ant. 2



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.

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

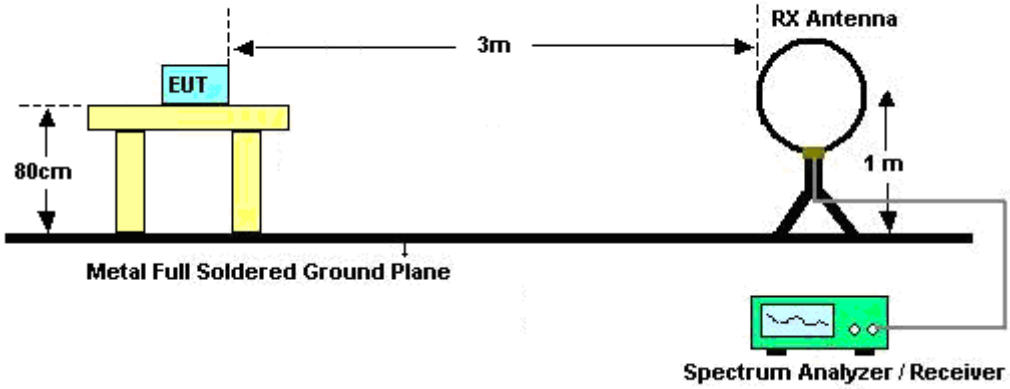
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

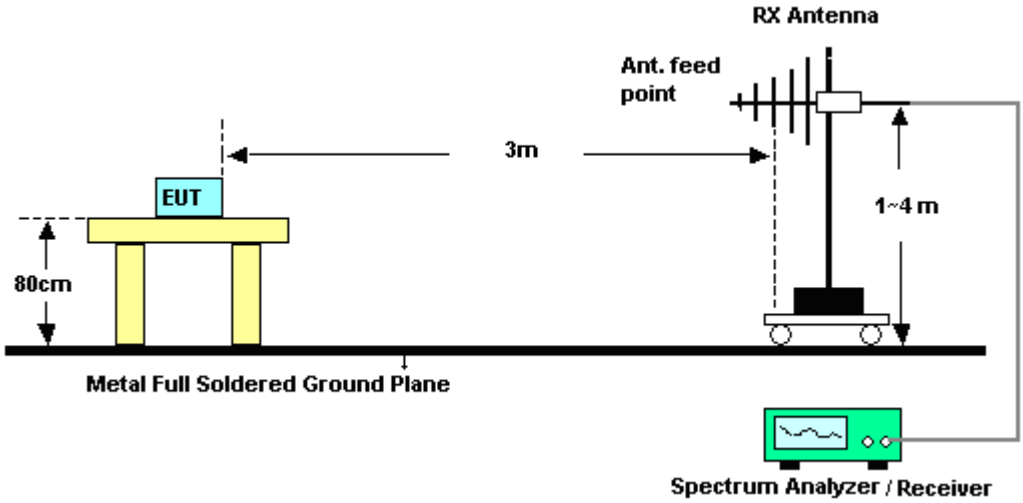
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

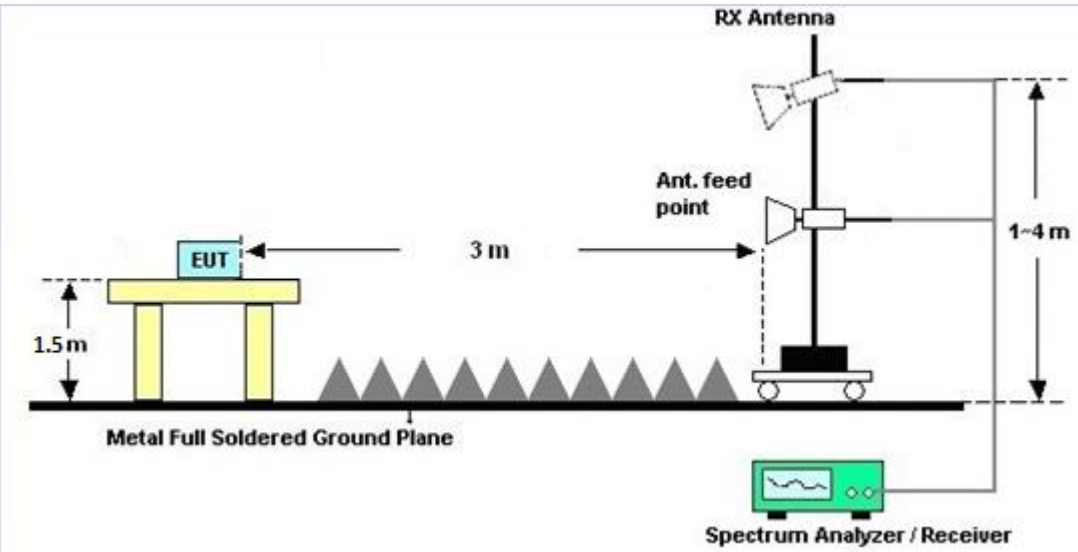
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated 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 (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

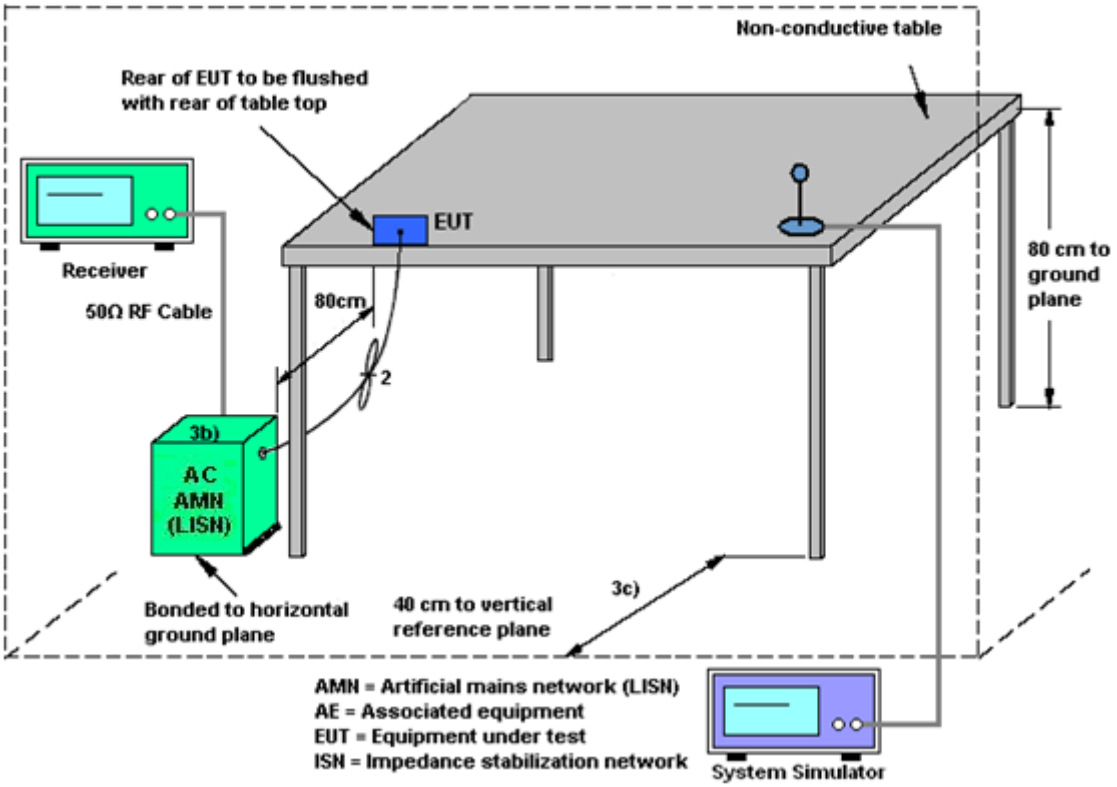
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

The 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>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	-3.00	-3.00	-3.00	0.01	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
Preamplifier	EMCE	EMC184045B	980192	18GHz ~ 40GHz	Aug. 01, 2019	Feb. 12, 2020~ Mar. 17, 2020	Jul. 31, 2020	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 03, 2019	Feb. 12, 2020~ Mar. 17, 2020	Dec. 02, 2020	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 12, 2019	Feb. 12, 2020~ Mar. 17, 2020	Oct. 13, 2020	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Nov. 04, 2019	Feb. 12, 2020~ Mar. 17, 2020	Nov. 03, 2020	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Feb. 12, 2020~ Mar. 17, 2020	Jan. 08, 2021	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 13, 2019	Feb. 12, 2020~ Mar. 17, 2020	Nov. 12, 2020	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHz	Oct. 28, 2019	Feb. 12, 2020~ Mar. 17, 2020	Oct. 27, 2020	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Feb. 12, 2020~ Mar. 17, 2020	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 12, 2020~ Mar. 17, 2020	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Feb. 12, 2020~ Mar. 17, 2020	N/A	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55303K	1710001800054002	1GHz~18GHz	Feb. 07, 2020	Feb. 12, 2020~ Mar. 17, 2020	Feb. 06, 2021	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Sep. 17, 2019	Feb. 12, 2020~ Mar. 17, 2020	Sep. 16, 2020	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz- 40GHz	May 14, 2019	Feb. 12, 2020~ Mar. 17, 2020	May 13, 2020	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20MHz~8.4GHz	Nov. 01, 2019	Feb. 12, 2020~ Mar. 17, 2020	Oct. 31, 2020	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Feb. 12, 2020~ Mar. 17, 2020	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 13, 2019	Feb. 12, 2020~ Mar. 11, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 12, 2020	Mar. 13, 2020~ Mar. 17, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 13, 2019	Feb. 12, 2020~ Mar. 11, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 12, 2020	Mar. 13, 2020~ Mar. 17, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M-18G	Mar. 13, 2019	Feb. 12, 2020~ Mar. 11, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M-18G	Mar. 12, 2020	Mar. 13, 2020~ Mar. 17, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Feb. 12, 2020~ Mar. 11, 2020	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 12, 2020	Mar. 13, 2020~ Mar. 17, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 15, 2019	Feb. 12, 2020~ Mar. 17, 2020	Sep. 14, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 15, 2019	Feb. 12, 2020~ Mar. 17, 2020	Sep. 14, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 16, 2019	Feb. 12, 2020~ Mar. 17, 2020	Sep. 15, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP140325	N/A	Nov. 07, 2019	Feb. 12, 2020~ Mar. 17, 2020	Nov. 06, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP161237	N/A	Oct. 25, 2019	Feb. 12, 2020~ Mar. 17, 2020	Oct. 24, 2020	Radiation (03CH11-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 10, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Feb. 10, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Feb. 10, 2020	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Feb. 10, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 10, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Feb. 10, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Feb. 10, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Feb. 06, 2020~ Mar. 16, 2020	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Feb. 06, 2020~ Mar. 16, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Jul. 15, 2019	Feb. 06, 2020~ Mar. 16, 2020	Jul. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Feb. 06, 2020~ Mar. 16, 2020	Mar. 26, 2020	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.12**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Derek Hsu/Kai Lia	Temperature:	21~25	°C
Test Date:	2020/2/6 ~ 2020/3/6	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	16.38	16.38	20.73	20.28	15.78	16.28	0.5	Pass
11a	6Mbps	2	157	5785	16.38	16.33	20.98	20.38	15.73	16.28	0.5	Pass
11a	6Mbps	2	165	5825	16.38	16.38	20.93	20.43	15.88	16.28	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV single antenna												
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	1	149	5745	12.00	11.90		30.00	30.00	-3.00	-3.00	Pass
11a	6Mbps	1	157	5785	11.90	11.80		30.00	30.00	-3.00	-3.00	Pass
11a	6Mbps	1	165	5825	11.90	12.00		30.00	30.00	-3.00	-3.00	Pass
HT20	MCS0	1	149	5745	11.80	11.70		30.00	30.00	-3.00	-3.00	Pass
HT20	MCS0	1	157	5785	11.80	11.90		30.00	30.00	-3.00	-3.00	Pass
HT20	MCS0	1	165	5825	11.70	11.80		30.00	30.00	-3.00	-3.00	Pass
HT40	MCS0	1	151	5755	11.80	11.80		30.00	30.00	-3.00	-3.00	Pass
HT40	MCS0	1	159	5795	11.80	12.00		30.00	30.00	-3.00	-3.00	Pass
VHT20	MCS0	1	149	5745	11.80	11.70		30.00	30.00	-3.00	-3.00	Pass
VHT20	MCS0	1	157	5785	11.80	12.00		30.00	30.00	-3.00	-3.00	Pass
VHT20	MCS0	1	165	5825	11.70	11.80		30.00	30.00	-3.00	-3.00	Pass
VHT40	MCS0	1	151	5755	11.80	11.80		30.00	30.00	-3.00	-3.00	Pass
VHT40	MCS0	1	159	5795	11.80	12.00		30.00	30.00	-3.00	-3.00	Pass
VHT80	MCS0	1	155	5775	11.70	12.00		30.00	30.00	-3.00	-3.00	Pass

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	11.10	12.90	15.10	30.00		-3.00		Pass
11a	6Mbps	2	157	5785	11.20	12.90	15.14	30.00		-3.00		Pass
11a	6Mbps	2	165	5825	11.30	12.90	15.18	30.00		-3.00		Pass
HT20	MCS0	2	149	5745	11.10	12.70	14.98	30.00		-3.00		Pass
HT20	MCS0	2	157	5785	11.20	12.80	15.08	30.00		-3.00		Pass
HT20	MCS0	2	165	5825	11.10	12.70	14.98	30.00		-3.00		Pass
HT40	MCS0	2	151	5755	11.10	12.80	15.04	30.00		-3.00		Pass
HT40	MCS0	2	159	5795	11.30	12.60	15.01	30.00		-3.00		Pass
VHT20	MCS0	2	149	5745	11.10	12.80	15.04	30.00		-3.00		Pass
VHT20	MCS0	2	157	5785	11.30	12.80	15.12	30.00		-3.00		Pass
VHT20	MCS0	2	165	5825	11.10	12.80	15.04	30.00		-3.00		Pass
VHT40	MCS0	2	151	5755	11.20	12.80	15.08	30.00		-3.00		Pass
VHT40	MCS0	2	159	5795	11.30	12.70	15.07	30.00		-3.00		Pass
VHT80	MCS0	2	155	5775	11.10	12.80	15.04	30.00		-3.00		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		0.71	2.15	5.16	30.00		0.01		Pass
11a	6Mbps	2	157	5785	2.22		0.63	2.62	5.63	30.00		0.01		Pass
11a	6Mbps	2	165	5825	2.22		0.74	2.20	5.21	30.00		0.01		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	1	149	5745	Full	18.88	18.83	22.08	22.13	18.03	17.93	0.5	Pass
HE20	MCS0	1	157	5785	Full	18.83	18.88	22.03	21.98	17.18	18.58	0.5	Pass
HE20	MCS0	1	165	5825	Full	18.93	18.88	22.03	22.08	18.28	17.58	0.5	Pass
HE40	MCS0	1	151	5755	Full	37.86	37.76	41.27	41.27	37.22	36.95	0.5	Pass
HE40	MCS0	1	159	5795	Full	37.96	37.86	41.27	41.36	37.31	36.23	0.5	Pass
HE80	MCS0	1	155	5775	Full	78.04	77.80	82.16	82.00	76.08	75.12	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV single antenna													
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	1	149	5745	Full	11.90	11.90		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	149	5745	26/0	4.70	4.60		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	149	5745	52/37	7.10	6.70		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	149	5745	106/53	10.20	9.60		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	157	5785	Full	11.90	11.80		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	157	5785	26/4	5.00	4.60		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	165	5825	Full	11.90	11.70		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	165	5825	26/8	4.30	3.70		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	165	5825	52/40	6.90	6.30		30.00	30.00	-3.00	-3.00	Pass
HE20	MCS0	1	165	5825	106/54	9.70	9.10		30.00	30.00	-3.00	-3.00	Pass
HE40	MCS0	1	151	5755	Full	11.80	12.10		30.00	30.00	-3.00	-3.00	Pass
HE40	MCS0	1	151	5755	242/61	12.00	12.00		30.00	30.00	-3.00	-3.00	Pass
HE40	MCS0	1	159	5795	Full	12.10	11.90		30.00	30.00	-3.00	-3.00	Pass
HE40	MCS0	1	159	5795	242/62	11.90	11.80		30.00	30.00	-3.00	-3.00	Pass
HE80	MCS0	1	155	5775	Full	11.80	12.00		30.00	30.00	-3.00	-3.00	Pass
HE80	MCS0	1	155	5775	484/65	12.10	12.00		30.00	30.00	-3.00	-3.00	Pass
HE80	MCS0	1	155	5775	484/66	11.90	11.70		30.00	30.00	-3.00	-3.00	Pass

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	1	149	5745	Full	11.10	12.90	15.10	30.00		-3.00		Pass
HE20	MCS0	1	149	5745	26/0	4.30	5.40	7.90	30.00		-3.00		Pass
HE20	MCS0	1	149	5745	52/37	6.60	8.00	10.37	30.00		-3.00		Pass
HE20	MCS0	1	149	5745	106/53	9.70	10.80	13.30	30.00		-3.00		Pass
HE20	MCS0	1	157	5785	Full	11.20	12.90	15.14	30.00		-3.00		Pass
HE20	MCS0	1	157	5785	26/4	4.50	5.50	8.04	30.00		-3.00		Pass
HE20	MCS0	1	165	5825	Full	11.30	12.90	15.18	30.00		-3.00		Pass
HE20	MCS0	1	165	5825	26/8	4.00	4.80	7.43	30.00		-3.00		Pass
HE20	MCS0	1	165	5825	52/40	6.20	7.50	9.91	30.00		-3.00		Pass
HE20	MCS0	1	165	5825	106/54	9.30	10.20	12.78	30.00		-3.00		Pass
HE40	MCS0	1	151	5755	Full	11.10	12.90	15.10	30.00		-3.00		Pass
HE40	MCS0	1	151	5755	242/61	11.10	12.80	15.04	30.00		-3.00		Pass
HE40	MCS0	1	159	5795	Full	11.40	12.90	15.22	30.00		-3.00		Pass
HE40	MCS0	1	159	5795	242/62	11.30	12.90	15.18	30.00		-3.00		Pass
HE80	MCS0	1	155	5775	Full	11.10	13.00	15.16	30.00		-3.00		Pass
HE80	MCS0	1	155	5775	484/65	11.20	12.90	15.14	30.00		-3.00		Pass
HE80	MCS0	1	155	5775	484/66	11.10	12.60	14.92	30.00		-3.00		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	1	149	5745	Full	2.22		0.62	2.21	5.22	30.00		0.01		Pass
HE20	MCS0	1	149	5745	26/0	2.22		1.04	2.06	5.07	30.00		0.01		Pass
HE20	MCS0	1	149	5745	52/37	2.22		0.45	2.05	5.06	30.00		0.01		Pass
HE20	MCS0	1	149	5745	106/53	2.22		0.67	2.11	5.12	30.00		0.01		Pass
HE20	MCS0	1	157	5785	Full	2.22		0.93	2.44	5.45	30.00		0.01		Pass
HE20	MCS0	1	157	5785	26/4	2.22		1.25	2.21	5.22	30.00		0.01		Pass
HE20	MCS0	1	165	5825	Full	2.22		0.47	2.28	5.29	30.00		0.01		Pass
HE20	MCS0	1	165	5825	26/8	2.22		1.03	1.87	4.88	30.00		0.01		Pass
HE20	MCS0	1	165	5825	52/40	2.22		0.34	1.75	4.76	30.00		0.01		Pass
HE20	MCS0	1	165	5825	106/54	2.22		0.96	1.77	4.78	30.00		0.01		Pass
HE40	MCS0	1	151	5755	Full	2.22		-2.45	-0.17	2.84	30.00		0.01		Pass
HE40	MCS0	1	151	5755	242/61	2.22		-1.76	-0.36	2.65	30.00		0.01		Pass
HE40	MCS0	1	159	5795	Full	2.22		-1.76	0.00	3.01	30.00		0.01		Pass
HE40	MCS0	1	159	5795	242/62	2.22		-1.35	-0.15	2.86	30.00		0.01		Pass
HE80	MCS0	1	155	5775	Full	2.22		-5.23	-3.22	-0.21	30.00		0.01		Pass
HE80	MCS0	1	155	5775	484/65	2.22		-4.57	-3.56	-0.55	30.00		0.01		Pass
HE80	MCS0	1	155	5775	484/66	2.22		-4.17	-3.55	-0.54	30.00		0.01		Pass

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

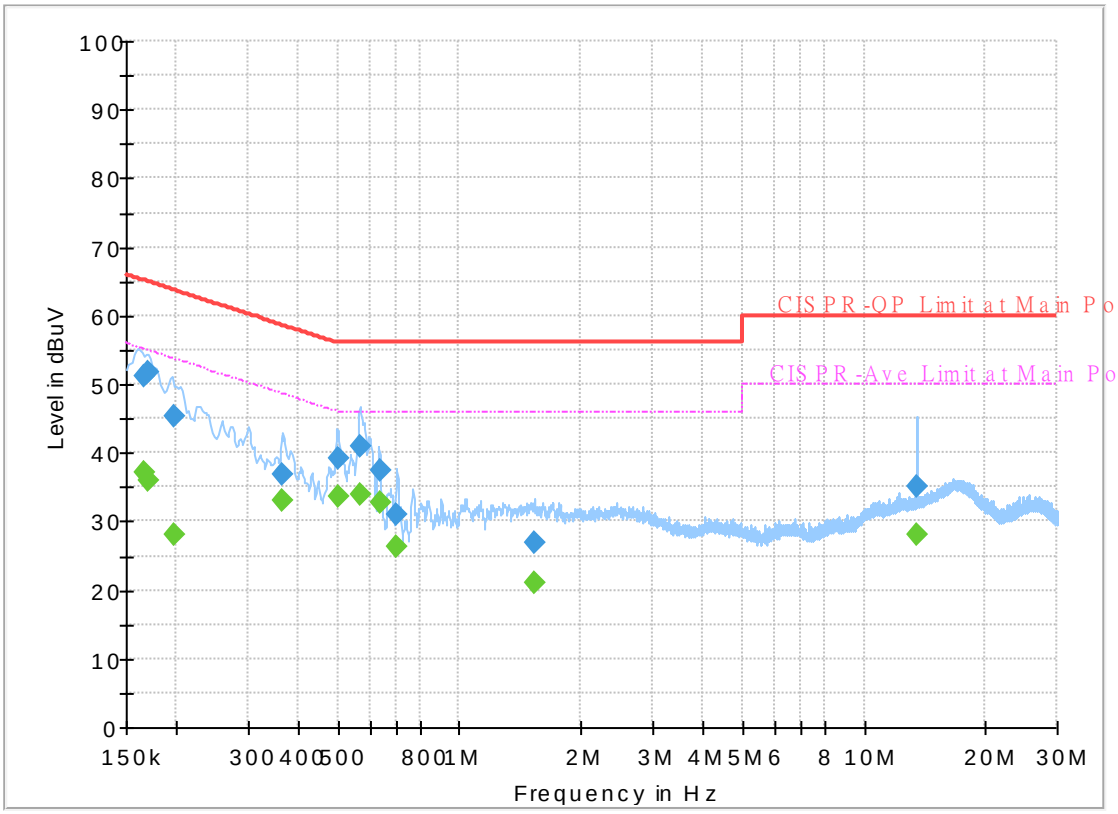
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	21~25℃
		Relative Humidity :	42~48%

EUT Information

Report NO :	012210
Test Voltage :	110Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

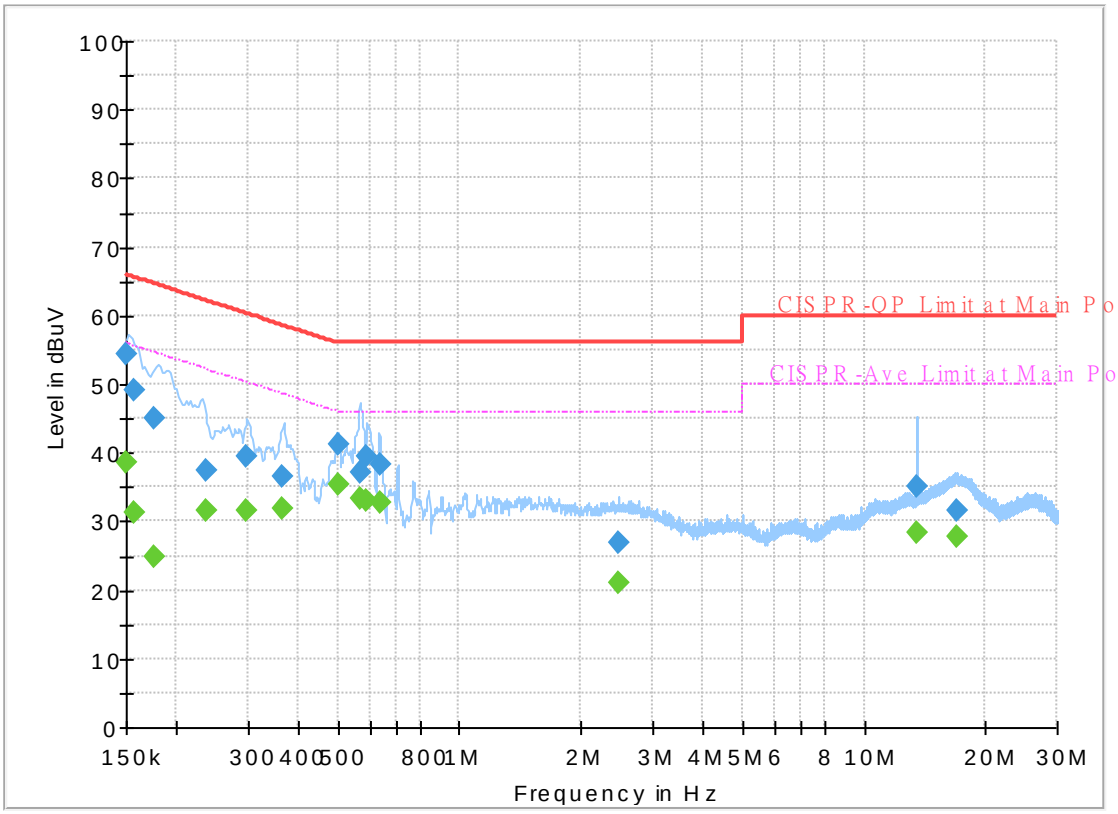
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	37.19	55.17	17.98	L1	OFF	19.6
0.165750	51.28	---	65.17	13.89	L1	OFF	19.6
0.169260	---	35.82	55.00	19.18	L1	OFF	19.6
0.169260	51.69	---	65.00	13.31	L1	OFF	19.6
0.197070	---	28.15	53.73	25.58	L1	OFF	19.6
0.197070	45.25	---	63.73	18.48	L1	OFF	19.6
0.364380	---	33.08	48.63	15.55	L1	OFF	19.6
0.364380	36.88	---	58.63	21.75	L1	OFF	19.6
0.503250	---	33.52	46.00	12.48	L1	OFF	19.6
0.503250	39.08	---	56.00	16.92	L1	OFF	19.6
0.567510	---	33.91	46.00	12.09	L1	OFF	19.6
0.567510	40.97	---	56.00	15.03	L1	OFF	19.6
0.634380	---	32.65	46.00	13.35	L1	OFF	19.6
0.634380	37.51	---	56.00	18.49	L1	OFF	19.6
0.699900	---	26.36	46.00	19.64	L1	OFF	19.6
0.699900	30.97	---	56.00	25.03	L1	OFF	19.6
1.535640	---	20.92	46.00	25.08	L1	OFF	19.7
1.535640	26.79	---	56.00	29.21	L1	OFF	19.7
13.560000	---	28.00	50.00	22.00	L1	OFF	20.0
13.560000	35.08	---	60.00	24.92	L1	OFF	20.0

EUT Information

Report NO : 012210

Test Voltage : 110Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	38.47	56.00	17.53	N	OFF	19.6
0.150000	54.25	---	66.00	11.75	N	OFF	19.6
0.156750	---	31.33	55.63	24.30	N	OFF	19.6
0.156750	49.23	---	65.63	16.40	N	OFF	19.6
0.175200	---	24.75	54.71	29.96	N	OFF	19.6
0.175200	44.89	---	64.71	19.82	N	OFF	19.6
0.235500	---	31.46	52.25	20.79	N	OFF	19.6
0.235500	37.35	---	62.25	24.90	N	OFF	19.6
0.298590	---	31.70	50.28	18.58	N	OFF	19.6
0.298590	39.36	---	60.28	20.92	N	OFF	19.6
0.366630	---	31.81	48.58	16.77	N	OFF	19.6
0.366630	36.56	---	58.58	22.02	N	OFF	19.6
0.500100	---	35.44	46.00	10.56	N	OFF	19.6
0.500100	41.11	---	56.00	14.89	N	OFF	19.6
0.567600	---	33.30	46.00	12.70	N	OFF	19.6
0.567600	37.06	---	56.00	18.94	N	OFF	19.6
0.590730	---	33.04	46.00	12.96	N	OFF	19.6
0.590730	39.39	---	56.00	16.61	N	OFF	19.6
0.636090	---	32.77	46.00	13.23	N	OFF	19.6
0.636090	38.35	---	56.00	17.65	N	OFF	19.6
2.481000	---	21.13	46.00	24.87	N	OFF	19.7

2.481000	**26.77**	**---**	**56.00**	**29.23**	**N**	**OFF**	**19.7**
13.560000	**---**	**28.48**	**50.00**	**21.52**	**N**	**OFF**	**20.1**
13.560000	**35.23**	**---**	**60.00**	**24.77**	**N**	**OFF**	**20.1**
16.928250	**---**	**27.65**	**50.00**	**22.35**	**N**	**OFF**	**20.1**
16.928250	**31.70**	**---**	**60.00**	**28.30**	**N**	**OFF**	**20.1**

Appendix C. Radiated Spurious Emission

Test Engineer :	Cookie Ku, Fu Chen, Troye Hsieh, and Quentin Liu	**Temperature :**	17.1~26.7°C
		Relative Humidity :	39.9~74.5%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5627.6	50.33	-17.87	68.2	40.56	31.84	10.48	32.55	100	114	P	H
		5695.8	50.79	-51.31	102.1	40.75	32.07	10.51	32.54	100	114	P	H
		5716	50.14	-59.54	109.68	40.02	32.13	10.52	32.53	100	114	P	H
		5723.8	51.19	-68.27	119.46	41.04	32.15	10.53	32.53	100	114	P	H
	*	5745	108.08	-	-	97.87	32.19	10.54	32.52	100	114	P	H
	*	5745	100.49	-	-	90.28	32.19	10.54	32.52	100	114	A	H
													H
													H
		5604.2	50.11	-18.09	68.2	40.32	31.89	10.46	32.56	106	18	P	V
		5689.8	50.44	-47.24	97.68	40.43	32.04	10.51	32.54	106	18	P	V
		5713.8	51.71	-57.36	109.07	41.59	32.13	10.52	32.53	106	18	P	V
		5724	50.05	-69.87	119.92	39.9	32.15	10.53	32.53	106	18	P	V
	*	5745	107.9	-	-	97.69	32.19	10.54	32.52	106	18	P	V
	*	5745	100.42	-	-	90.21	32.19	10.54	32.52	106	18	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)
		5626.75	49.87	-18.33	68.2	40.1	31.85	10.47	32.55	100	115	P	H
		5695	50.42	-51.09	101.51	40.38	32.07	10.51	32.54	100	115	P	H
		5714.5	49.58	-59.68	109.26	39.46	32.13	10.52	32.53	100	115	P	H
		5723	48.43	-69.21	117.64	38.28	32.15	10.53	32.53	100	115	P	H
	*	5785	107.98	-	-	97.66	32.27	10.56	32.51	100	115	P	H
	*	5785	100.4	-	-	90.08	32.27	10.56	32.51	100	115	A	H
		5854	49.85	-63.23	113.08	39.34	32.41	10.59	32.49	100	115	P	H
		5863	49.72	-58.84	108.56	39.18	32.43	10.6	32.49	100	115	P	H
		5895	50.6	-39.76	90.36	39.98	32.49	10.61	32.48	100	115	P	H
		5948.75	51	-17.2	68.2	40.14	32.69	10.63	32.46	100	115	P	H
													H
802.11a													H
CH 157		5620.5	49.96	-18.24	68.2	40.19	31.86	10.47	32.56	100	9	P	V
5785MHz		5666.5	49.68	-30.77	80.45	39.82	31.9	10.5	32.54	100	9	P	V
		5705.5	49	-57.74	106.74	38.9	32.11	10.52	32.53	100	9	P	V
		5722.75	48.72	-68.35	117.07	38.57	32.15	10.53	32.53	100	9	P	V
	*	5785	107.78	-	-	97.46	32.27	10.56	32.51	100	9	P	V
	*	5785	100.15	-	-	89.83	32.27	10.56	32.51	100	9	A	V
		5855	49.21	-61.59	110.8	38.7	32.41	10.59	32.49	100	9	P	V
		5872.25	50.76	-55.21	105.97	40.21	32.44	10.6	32.49	100	9	P	V
		5889.75	50.63	-43.62	94.25	40.02	32.48	10.61	32.48	100	9	P	V
		5943.5	50.8	-17.4	68.2	39.97	32.67	10.63	32.47	100	9	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)
	*	5825	107.38	-	-	96.95	32.35	10.58	32.5	100	112	P	H
	*	5825	99.58	-	-	89.15	32.35	10.58	32.5	100	112	A	H
		5851.2	50.62	-68.84	119.46	40.12	32.4	10.59	32.49	100	112	P	H
		5861.2	50.67	-58.39	109.06	40.15	32.42	10.59	32.49	100	112	P	H
		5898.6	50.75	-36.95	87.7	40.12	32.5	10.61	32.48	100	112	P	H
		5946.2	52.29	-15.91	68.2	41.45	32.68	10.63	32.47	100	112	P	H
													H
802.11a													H
CH 165	*	5825	107.98	-	-	97.55	32.35	10.58	32.5	100	18	P	V
5825MHz	*	5825	100.14	-	-	89.71	32.35	10.58	32.5	100	18	A	V
		5850.4	50.25	-71.04	121.29	39.75	32.4	10.59	32.49	100	18	P	V
		5869	49.91	-56.97	106.88	39.36	32.44	10.6	32.49	100	18	P	V
		5907.2	50.2	-31.14	81.34	39.54	32.53	10.61	32.48	100	18	P	V
		5934.4	50.44	-17.76	68.2	39.65	32.64	10.62	32.47	100	18	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	48.28	-25.72	74	54.69	39.61	17.48	63.5	100	0	P	H
		17235	47.85	-20.35	68.2	47.29	40.17	22.06	61.67	100	0	P	H
													H
													H
		11490	45.81	-28.19	74	52.22	39.61	17.48	63.5	100	0	P	V
		17235	46.85	-21.35	68.2	46.29	40.17	22.06	61.67	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.74	-27.26	74	53.18	39.46	17.6	63.5	100	0	P	H
		17355	46.35	-21.85	68.2	45.18	40.49	22.18	61.5	100	0	P	H
													H
													H
		11570	45.96	-28.04	74	52.4	39.46	17.6	63.5	100	0	P	V
		17355	45.86	-22.34	68.2	44.69	40.49	22.18	61.5	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	46.95	-27.05	74	53.58	39.15	17.72	63.5	100	0	P	H
		17475	46.3	-21.9	68.2	44.18	41.17	22.28	61.33	100	0	P	H
													H
													H
		11650	46.32	-27.68	74	52.95	39.15	17.72	63.5	100	0	P	V
		17475	46.32	-21.88	68.2	44.2	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 HE20_Full (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)
		5625	50.09	-18.11	68.2	40.33	31.85	10.47	32.56	100	114	P	H
		5697.8	49.22	-54.36	103.58	39.15	32.09	10.51	32.53	100	114	P	H
		5714.6	50.58	-58.71	109.29	40.46	32.13	10.52	32.53	100	114	P	H
		5724.2	52.34	-68.04	120.38	42.19	32.15	10.53	32.53	100	114	P	H
	*	5745	107.9	-	-	97.69	32.19	10.54	32.52	100	114	P	H
	*	5745	98.56	-	-	88.35	32.19	10.54	32.52	100	114	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		5639.8	50.5	-17.7	68.2	40.75	31.82	10.48	32.55	100	9	P	V
5745MHz		5669.4	50.18	-32.41	82.59	40.3	31.92	10.5	32.54	100	9	P	V
		5707.6	49.42	-57.91	107.33	39.31	32.12	10.52	32.53	100	9	P	V
		5724.4	51.02	-69.81	120.83	40.87	32.15	10.53	32.53	100	9	P	V
	*	5745	107.13	-	-	96.92	32.19	10.54	32.52	100	9	P	V
	*	5745	97.17	-	-	86.96	32.19	10.54	32.52	100	9	A	V
													V
													V
													V
													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)
		5629.5	50.31	-17.89	68.2	40.54	31.84	10.48	32.55	100	115	P	H
		5682.25	49.13	-42.97	92.1	39.17	31.99	10.51	32.54	100	115	P	H
		5706.75	49.36	-57.73	107.09	39.26	32.11	10.52	32.53	100	115	P	H
		5721.25	49.51	-64.14	113.65	39.37	32.14	10.53	32.53	100	115	P	H
	*	5785	108.99	-	-	98.67	32.27	10.56	32.51	100	115	P	H
	*	5785	98.71	-	-	88.39	32.27	10.56	32.51	100	115	A	H
		5853.5	50.5	-63.72	114.22	39.99	32.41	10.59	32.49	100	115	P	H
		5857.75	50.81	-59.22	110.03	40.29	32.42	10.59	32.49	100	115	P	H
		5910.75	51.6	-27.11	78.71	40.92	32.54	10.61	32.47	100	115	P	H
		5931.5	51.74	-16.46	68.2	40.96	32.63	10.62	32.47	100	115	P	H
802.11ax													H
HE20 Full													H
CH 157		5637.75	50.59	-17.61	68.2	40.84	31.82	10.48	32.55	100	8	P	V
5785MHz		5687.25	50.09	-45.71	95.8	40.1	32.02	10.51	32.54	100	8	P	V
		5704.5	49.66	-56.8	106.46	39.56	32.11	10.52	32.53	100	8	P	V
		5721.5	49.06	-65.16	114.22	38.92	32.14	10.53	32.53	100	8	P	V
	*	5785	108.1	-	-	97.78	32.27	10.56	32.51	100	8	P	V
	*	5785	97.92	-	-	87.6	32.27	10.56	32.51	100	8	A	V
		5851.5	49.66	-69.12	118.78	39.16	32.4	10.59	32.49	100	8	P	V
		5861.5	49.19	-59.79	108.98	38.67	32.42	10.59	32.49	100	8	P	V
		5889.25	51.86	-42.76	94.62	41.25	32.48	10.61	32.48	100	8	P	V
		5947.25	51.37	-16.83	68.2	40.51	32.69	10.63	32.46	100	8	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)
	*	5825	108.26	-	-	97.83	32.35	10.58	32.5	100	113	P	H
	*	5825	98.14	-	-	87.71	32.35	10.58	32.5	100	113	A	H
		5853.4	50.88	-63.57	114.45	40.37	32.41	10.59	32.49	100	113	P	H
		5855.8	50.79	-59.79	110.58	40.28	32.41	10.59	32.49	100	113	P	H
		5904.4	51.21	-32.2	83.41	40.56	32.52	10.61	32.48	100	113	P	H
		5939.4	50.27	-17.93	68.2	39.45	32.66	10.63	32.47	100	113	P	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165	*	5825	108.05	-	-	97.62	32.35	10.58	32.5	100	10	P	V
5825MHz	*	5825	97.88	-	-	87.45	32.35	10.58	32.5	100	10	A	V
		5851.4	49.53	-69.48	119.01	39.03	32.4	10.59	32.49	100	10	P	V
		5861	51.21	-57.91	109.12	40.69	32.42	10.59	32.49	100	10	P	V
		5915.6	50.72	-24.41	75.13	40.01	32.56	10.62	32.47	100	10	P	V
		5942.2	49.78	-18.42	68.2	38.95	32.67	10.63	32.47	100	10	P	V
													V
													V
													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 802.11ax HE20_Full (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)
		11490	45.51	-28.49	74	51.92	39.61	17.48	63.5	100	0	P	H
		17235	48.53	-19.67	68.2	47.97	40.17	22.06	61.67	100	0	P	H
802.11ax													H
HE20 Full													H
CH 149		11490	45.49	-28.51	74	51.9	39.61	17.48	63.5	100	0	P	V
5745MHz		17235	46.96	-21.24	68.2	46.4	40.17	22.06	61.67	100	0	P	V
													V
													V
		11570	45.49	-28.51	74	51.93	39.46	17.6	63.5	100	0	P	H
		17355	45.77	-22.43	68.2	44.6	40.49	22.18	61.5	100	0	P	H
802.11ax													H
HE20 Full													H
CH 157		11570	46.77	-27.23	74	53.21	39.46	17.6	63.5	100	0	P	V
5785MHz		17355	46.85	-21.35	68.2	45.68	40.49	22.18	61.5	100	0	P	V
													V
													V
		11650	45.42	-28.58	74	52.05	39.15	17.72	63.5	100	0	P	H
		17475	46.61	-21.59	68.2	44.49	41.17	22.28	61.33	100	0	P	H
802.11ax													H
HE20 Full													H
CH 165		11650	46.5	-27.5	74	53.13	39.15	17.72	63.5	100	0	P	V
5825MHz		17475	46.25	-21.95	68.2	44.13	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 HE20_Partial 26 (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 Partial 26/0 CH 149 5745MHz		5633.4	50.57	-17.63	68.2	40.81	31.83	10.48	32.55	100	107	P	H
		5658.8	51.54	-23.2	74.74	41.75	31.85	10.49	32.55	100	107	P	H
		5717.2	50.62	-59.4	110.02	40.5	32.13	10.52	32.53	100	107	P	H
		5725	51.49	-70.71	122.2	41.34	32.15	10.53	32.53	100	107	P	H
	*	5745	108.44	-	-	98.23	32.19	10.54	32.52	100	107	P	H
	*	5745	100.54	-	-	90.33	32.19	10.54	32.52	100	107	A	H
													H
													H
		5641.6	51.56	-16.64	68.2	41.81	31.82	10.48	32.55	100	301	P	V
		5662.6	50.9	-26.65	77.55	41.07	31.88	10.49	32.54	100	301	P	V
		5716.4	50.37	-59.42	109.79	40.25	32.13	10.52	32.53	100	301	P	V
		5725	49.63	-72.57	122.2	39.48	32.15	10.53	32.53	100	301	P	V
	*	5745	106.42	-	-	96.21	32.19	10.54	32.52	100	301	P	V
	*	5745	99.35	-	-	89.14	32.19	10.54	32.52	100	301	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)
		5613.75	50.13	-18.07	68.2	40.35	31.87	10.47	32.56	100	108	P	H
		5669.25	50.71	-31.77	82.48	40.83	31.92	10.5	32.54	100	108	P	H
		5705.5	50.32	-56.42	106.74	40.22	32.11	10.52	32.53	100	108	P	H
		5722	50.26	-65.1	115.36	40.12	32.14	10.53	32.53	100	108	P	H
	*	5785	107.47	-	-	97.15	32.27	10.56	32.51	100	108	P	H
	*	5785	99.44	-	-	89.12	32.27	10.56	32.51	100	108	A	H
		5852.5	50.65	-65.85	116.5	40.14	32.41	10.59	32.49	100	108	P	H
		5874	51.05	-54.43	105.48	40.49	32.45	10.6	32.49	100	108	P	H
		5904.5	51.9	-31.43	83.33	41.25	32.52	10.61	32.48	100	108	P	H
		5941.5	51.57	-16.63	68.2	40.74	32.67	10.63	32.47	100	108	P	H
802.11ax HE20 Partial 26/4 CH 157 5785MHz													H
													H
		5602	50.79	-17.41	68.2	40.99	31.9	10.46	32.56	100	295	P	V
		5696	49.96	-52.29	102.25	39.91	32.08	10.51	32.54	100	295	P	V
		5702.25	50.16	-55.67	105.83	40.07	32.1	10.52	32.53	100	295	P	V
		5721	50.53	-62.55	113.08	40.39	32.14	10.53	32.53	100	295	P	V
	*	5785	106.5	-	-	96.18	32.27	10.56	32.51	100	295	P	V
	*	5785	98.85	-	-	88.53	32.27	10.56	32.51	100	295	A	V
		5852.75	50.23	-65.7	115.93	39.72	32.41	10.59	32.49	100	295	P	V
		5874.5	51.37	-53.97	105.34	40.81	32.45	10.6	32.49	100	295	P	V
		5919.75	51.98	-20.09	72.07	41.25	32.58	10.62	32.47	100	295	P	V
		5944.5	51.07	-17.13	68.2	40.23	32.68	10.63	32.47	100	295	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 Partial 26/8 CH 165 5825MHz	*	5825	107.56	-	-	97.13	32.35	10.58	32.5	104	111	P	H
	*	5825	99.17	-	-	88.74	32.35	10.58	32.5	104	111	A	H
		5853.6	51.49	-62.5	113.99	40.98	32.41	10.59	32.49	104	111	P	H
		5864.6	50.85	-57.26	108.11	40.31	32.43	10.6	32.49	104	111	P	H
		5921.2	51.95	-19.05	71	41.22	32.58	10.62	32.47	104	111	P	H
		5936.2	52.17	-16.03	68.2	41.38	32.64	10.62	32.47	104	111	P	H
													H
													H
	*	5825	106.96	-	-	96.53	32.35	10.58	32.5	100	303	P	V
	*	5825	98.71	-	-	88.28	32.35	10.58	32.5	100	303	A	V
		5851.6	50.46	-68.09	118.55	39.96	32.4	10.59	32.49	100	303	P	V
		5865.2	50.99	-56.95	107.94	40.45	32.43	10.6	32.49	100	303	P	V
		5913.4	51.91	-24.85	76.76	41.21	32.55	10.62	32.47	100	303	P	V
		5933.6	50.88	-17.32	68.2	40.1	32.63	10.62	32.47	100	303	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 52 (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)
		5604.6	50.61	-17.59	68.2	40.82	31.89	10.46	32.56	100	111	P	H
		5662	50.8	-26.31	77.11	40.98	31.87	10.49	32.54	100	111	P	H
		5711.4	50.54	-57.85	108.39	40.43	32.12	10.52	32.53	100	111	P	H
		5722	50.45	-64.91	115.36	40.31	32.14	10.53	32.53	100	111	P	H
	*	5745	110	-	-	99.79	32.19	10.54	32.52	100	111	P	H
802.11ax	*	5745	100.67	-	-	90.46	32.19	10.54	32.52	100	111	A	H
HE20													H
Partial													H
52/37		5647	51.2	-17	68.2	41.45	31.81	10.49	32.55	106	303	P	V
CH 149		5658	50.78	-23.36	74.14	40.99	31.85	10.49	32.55	106	303	P	V
5745MHz		5712.4	51.84	-56.83	108.67	41.73	32.12	10.52	32.53	106	303	P	V
		5721	51.54	-61.54	113.08	41.4	32.14	10.53	32.53	106	303	P	V
	*	5745	107.66	-	-	97.45	32.19	10.54	32.52	106	303	P	V
	*	5745	97.76	-	-	87.55	32.19	10.54	32.52	106	303	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)
	*	5825	109.48	-	-	99.05	32.35	10.58	32.5	122	110	P	H
	*	5825	99	-	-	88.57	32.35	10.58	32.5	122	110	A	H
		5852.4	51.38	-65.35	116.73	40.88	32.4	10.59	32.49	122	110	P	H
		5870	51.38	-55.22	106.6	40.83	32.44	10.6	32.49	122	110	P	H
		5888.2	52.15	-43.25	95.4	41.54	32.48	10.61	32.48	122	110	P	H
802.11ax		5942.6	50.58	-17.62	68.2	39.75	32.67	10.63	32.47	122	110	P	H
HE20													H
Partial													H
52/40	*	5825	108.42	-	-	97.99	32.35	10.58	32.5	100	299	P	V
CH 165	*	5825	98.66	-	-	88.23	32.35	10.58	32.5	100	299	A	V
5825MHz		5851	50.4	-69.52	119.92	39.9	32.4	10.59	32.49	100	299	P	V
		5865.4	51.66	-56.23	107.89	41.12	32.43	10.6	32.49	100	299	P	V
		5892.2	51.82	-40.62	92.44	41.21	32.48	10.61	32.48	100	299	P	V
		5930.8	51.74	-16.46	68.2	40.97	32.62	10.62	32.47	100	299	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	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)
		5625.6	51.18	-17.02	68.2	41.41	31.85	10.47	32.55	100	112	P	H
		5691.6	50.59	-48.42	99.01	40.57	32.05	10.51	32.54	100	112	P	H
		5715.8	54.13	-55.5	109.63	44.01	32.13	10.52	32.53	100	112	P	H
		5725	62.25	-59.95	122.2	52.1	32.15	10.53	32.53	100	112	P	H
	*	5745	109.88	-	-	99.67	32.19	10.54	32.52	100	112	P	H
802.11ax	*	5745	100.44	-	-	90.23	32.19	10.54	32.52	100	112	A	H
HE20													H
Partial													H
106/53		5643.6	50.39	-17.81	68.2	40.65	31.81	10.48	32.55	100	301	P	V
CH 149		5672.2	50.89	-33.78	84.67	41	31.93	10.5	32.54	100	301	P	V
5745MHz		5709.4	51.15	-56.68	107.83	41.04	32.12	10.52	32.53	100	301	P	V
		5724.2	50.62	-69.76	120.38	40.47	32.15	10.53	32.53	100	301	P	V
	*	5745	108.76	-	-	98.55	32.19	10.54	32.52	100	301	P	V
	*	5745	99.76	-	-	89.55	32.19	10.54	32.52	100	301	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)
	*	5825	110.28	-	-	99.85	32.35	10.58	32.5	100	108	P	H
	*	5825	100.29	-	-	89.86	32.35	10.58	32.5	100	108	A	H
		5850	50.47	-71.73	122.2	39.97	32.4	10.59	32.49	100	108	P	H
		5861.6	50.99	-57.96	108.95	40.47	32.42	10.59	32.49	100	108	P	H
		5924.8	52.09	-16.26	68.35	41.34	32.6	10.62	32.47	100	108	P	H
802.11ax		5947.6	51.25	-16.95	68.2	40.39	32.69	10.63	32.46	100	108	P	H
HE20													H
Partial													H
106/54	*	5825	107.76	-	-	97.33	32.35	10.58	32.5	100	309	P	V
CH 165	*	5825	98.25	-	-	87.82	32.35	10.58	32.5	100	309	A	V
5825MHz		5850.8	50.43	-69.95	120.38	39.93	32.4	10.59	32.49	100	309	P	V
		5867.4	50.54	-56.79	107.33	40	32.43	10.6	32.49	100	309	P	V
		5897.8	51.02	-37.27	88.29	40.39	32.5	10.61	32.48	100	309	P	V
		5947.8	51.03	-17.17	68.2	40.17	32.69	10.63	32.46	100	309	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	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)
		5623.25	50.27	-17.93	68.2	40.51	31.85	10.47	32.56	100	114	P	H
		5678.75	49.72	-39.79	89.51	39.79	31.97	10.5	32.54	100	114	P	H
		5707.75	50.44	-56.93	107.37	40.33	32.12	10.52	32.53	100	114	P	H
		5721.75	53.11	-61.68	114.79	42.97	32.14	10.53	32.53	100	114	P	H
	*	5755	105.71	-	-	95.47	32.21	10.55	32.52	100	114	P	H
	*	5755	95.18	-	-	84.94	32.21	10.55	32.52	100	114	A	H
		5852.75	48.85	-67.08	115.93	38.34	32.41	10.59	32.49	100	114	P	H
		5856	49.89	-60.63	110.52	39.38	32.41	10.59	32.49	100	114	P	H
		5883.25	51.09	-47.98	99.07	40.5	32.47	10.6	32.48	100	114	P	H
		5944.75	51.29	-16.91	68.2	40.45	32.68	10.63	32.47	100	114	P	H
802.11ax													H
HE40 Full													H
CH 151		5618.5	49.19	-19.01	68.2	39.42	31.86	10.47	32.56	100	3	P	V
5755MHz		5694	50.58	-50.2	100.78	40.55	32.06	10.51	32.54	100	3	P	V
		5717.75	50.53	-59.64	110.17	40.4	32.14	10.52	32.53	100	3	P	V
		5721.5	51.84	-62.38	114.22	41.7	32.14	10.53	32.53	100	3	P	V
	*	5755	104.09	-	-	93.85	32.21	10.55	32.52	100	3	P	V
	*	5755	93.74	-	-	83.5	32.21	10.55	32.52	100	3	A	V
		5851.25	48.43	-70.92	119.35	37.93	32.4	10.59	32.49	100	3	P	V
		5860	49.89	-59.51	109.4	39.37	32.42	10.59	32.49	100	3	P	V
		5898	51.58	-36.56	88.14	40.95	32.5	10.61	32.48	100	3	P	V
		5938.5	49.89	-18.31	68.2	39.08	32.65	10.63	32.47	100	3	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)
		5631.25	49.24	-18.96	68.2	39.47	31.84	10.48	32.55	100	114	P	H
		5696.75	49.81	-52.99	102.8	39.75	32.08	10.51	32.53	100	114	P	H
		5712	49.1	-59.46	108.56	38.99	32.12	10.52	32.53	100	114	P	H
		5725	50.9	-71.3	122.2	40.75	32.15	10.53	32.53	100	114	P	H
	*	5795	105.57	-	-	95.22	32.29	10.57	32.51	100	114	P	H
	*	5795	95.36	-	-	85.01	32.29	10.57	32.51	100	114	A	H
		5852.75	49.07	-66.86	115.93	38.56	32.41	10.59	32.49	100	114	P	H
		5873.75	50.46	-55.09	105.55	39.9	32.45	10.6	32.49	100	114	P	H
		5899.75	50.27	-36.58	86.85	39.64	32.5	10.61	32.48	100	114	P	H
		5926	50.28	-17.92	68.2	39.53	32.6	10.62	32.47	100	114	P	H
802.11ax													H
HE40 Full													H
CH 159		5646.75	50.33	-17.87	68.2	40.58	31.81	10.49	32.55	100	9	P	V
5795MHz		5693.5	49.95	-50.46	100.41	39.92	32.06	10.51	32.54	100	9	P	V
		5713	49.32	-59.52	108.84	39.2	32.13	10.52	32.53	100	9	P	V
		5724	49.36	-70.56	119.92	39.21	32.15	10.53	32.53	100	9	P	V
	*	5795	104.6	-	-	94.25	32.29	10.57	32.51	100	9	P	V
	*	5795	94.69	-	-	84.34	32.29	10.57	32.51	100	9	A	V
		5854.5	47.92	-64.02	111.94	37.41	32.41	10.59	32.49	100	9	P	V
		5871	50.26	-56.06	106.32	39.71	32.44	10.6	32.49	100	9	P	V
		5908.75	50.52	-29.67	80.19	39.86	32.53	10.61	32.48	100	9	P	V
		5939	49.23	-18.97	68.2	38.41	32.66	10.63	32.47	100	9	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	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)
		11510	45.27	-28.73	74	51.68	39.58	17.51	63.5	100	0	P	H
		17265	45.24	-22.96	68.2	44.65	40.13	22.09	61.63	100	0	P	H
802.11ax													H
HE40 Full													H
CH 151		11510	45.38	-28.62	74	51.79	39.58	17.51	63.5	100	0	P	V
5755MHz		17265	45.46	-22.74	68.2	44.87	40.13	22.09	61.63	100	0	P	V
													V
													V
		11590	45.43	-28.57	74	51.88	39.42	17.63	63.5	100	0	P	H
		17385	46.04	-22.16	68.2	44.61	40.69	22.2	61.46	100	0	P	H
802.11ax													H
HE40 Full													H
CH 159		11590	46.46	-27.54	74	52.91	39.42	17.63	63.5	100	0	P	V
5795MHz		17385	45.89	-22.31	68.2	44.46	40.69	22.2	61.46	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 242 (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)
		5625.75	50.93	-17.27	68.2	41.16	31.85	10.47	32.55	100	112	P	H
		5696.75	59.67	-43.13	102.8	49.61	32.08	10.51	32.53	100	112	P	H
		5716.5	70.1	-39.72	109.82	59.98	32.13	10.52	32.53	100	112	P	H
		5725	60.55	-61.65	122.2	50.4	32.15	10.53	32.53	100	112	P	H
	*	5755	108.44	-	-	98.2	32.21	10.55	32.52	100	112	P	H
	*	5755	97.75	-	-	87.51	32.21	10.55	32.52	100	112	A	H
		5850	50.25	-71.95	122.2	39.75	32.4	10.59	32.49	100	112	P	H
		5859.25	51.03	-58.58	109.61	40.51	32.42	10.59	32.49	100	112	P	H
		5894.5	51.43	-39.3	90.73	40.81	32.49	10.61	32.48	100	112	P	H
802.11ax		5931.5	51.26	-16.94	68.2	40.48	32.63	10.62	32.47	100	112	P	H
HE40													H
Partial													H
262/61		5626.5	51.29	-16.91	68.2	41.52	31.85	10.47	32.55	100	300	P	V
CH 151		5699.75	56.74	-48.28	105.02	46.66	32.1	10.51	32.53	100	300	P	V
5755MHz		5718.5	70.71	-39.67	110.38	60.57	32.14	10.53	32.53	100	300	P	V
		5723.75	67.93	-51.42	119.35	57.78	32.15	10.53	32.53	100	300	P	V
	*	5755	106.26	-	-	96.02	32.21	10.55	32.52	100	300	P	V
	*	5755	95.55	-	-	85.31	32.21	10.55	32.52	100	300	A	V
		5852.25	51.49	-65.58	117.07	40.99	32.4	10.59	32.49	100	300	P	V
		5870	52.22	-54.38	106.6	41.67	32.44	10.6	32.49	100	300	P	V
		5903.5	51.16	-32.91	84.07	40.52	32.51	10.61	32.48	100	300	P	V
		5934.5	51.8	-16.4	68.2	41.01	32.64	10.62	32.47	100	300	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)
		5622.75	51.08	-17.12	68.2	41.42	31.85	10.37	32.56	100	113	P	H
		5690.25	51.54	-46.47	98.01	41.6	32.04	10.44	32.54	100	113	P	H
		5720	59.49	-51.31	110.8	49.41	32.14	10.47	32.53	100	113	P	H
		5720	59.49	-51.31	110.8	49.41	32.14	10.47	32.53	100	113	P	H
	*	5795	107.08	-	-	96.75	32.29	10.55	32.51	100	113	P	H
	*	5795	97.15	-	-	86.82	32.29	10.55	32.51	100	113	A	H
		5855	52.29	-58.51	110.8	41.73	32.41	10.64	32.49	100	113	P	H
		5857.5	59.34	-50.76	110.1	48.77	32.42	10.64	32.49	100	113	P	H
		5921.75	51.83	-18.77	70.6	40.98	32.59	10.73	32.47	100	113	P	H
802.11ax		5934	51.86	-16.34	68.2	40.94	32.64	10.75	32.47	100	113	P	H
HE40													H
Partial													H
262/62		5649.5	51.03	-17.17	68.2	41.39	31.8	10.39	32.55	100	297	P	V
CH 159		5695	51.37	-50.14	101.51	41.4	32.07	10.44	32.54	100	297	P	V
5795MHz		5719.25	56.47	-54.12	110.59	46.39	32.14	10.47	32.53	100	297	P	V
		5720	52.59	-58.21	110.8	42.51	32.14	10.47	32.53	100	297	P	V
	*	5795	107.86	-	-	97.53	32.29	10.55	32.51	100	297	P	V
	*	5795	97.07	-	-	86.74	32.29	10.55	32.51	100	297	A	V
		5852	54.67	-62.97	117.64	44.13	32.4	10.63	32.49	100	297	P	V
		5867.25	51.99	-55.38	107.37	41.4	32.43	10.65	32.49	100	297	P	V
		5922.25	52.4	-17.83	70.23	41.55	32.59	10.73	32.47	100	297	P	V
		5930.5	52.83	-15.37	68.2	41.94	32.62	10.74	32.47	100	297	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 (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)
		5631.5	50.77	-17.43	68.2	41	31.84	10.48	32.55	100	113	P	H
		5692.5	49.97	-49.7	99.67	39.94	32.06	10.51	32.54	100	113	P	H
		5707	54.16	-53	107.16	44.06	32.11	10.52	32.53	100	113	P	H
		5725	51.28	-70.92	122.2	41.13	32.15	10.53	32.53	100	113	P	H
	*	5775	102.3	-	-	92	32.25	10.56	32.51	100	113	P	H
	*	5775	92.6	-	-	82.3	32.25	10.56	32.51	100	113	A	H
		5853.25	49.84	-64.95	114.79	39.33	32.41	10.59	32.49	100	113	P	H
		5866	49.68	-58.04	107.72	39.14	32.43	10.6	32.49	100	113	P	H
		5902.75	51.26	-33.37	84.63	40.62	32.51	10.61	32.48	100	113	P	H
		5930.25	50.33	-17.87	68.2	39.56	32.62	10.62	32.47	100	113	P	H
802.11ax													H
HE80 Full													H
CH 155		5616	51.41	-16.79	68.2	41.63	31.87	10.47	32.56	100	8	P	V
5775MHz		5692.75	51.13	-48.73	99.86	41.1	32.06	10.51	32.54	100	8	P	V
		5700.5	52.39	-52.95	105.34	42.3	32.1	10.52	32.53	100	8	P	V
		5725	54.3	-67.9	122.2	44.15	32.15	10.53	32.53	100	8	P	V
	*	5775	101.59	-	-	91.29	32.25	10.56	32.51	100	8	P	V
	*	5775	92.28	-	-	81.98	32.25	10.56	32.51	100	8	A	V
		5853	50.55	-64.81	115.36	40.04	32.41	10.59	32.49	100	8	P	V
		5860.75	49.46	-59.73	109.19	38.94	32.42	10.59	32.49	100	8	P	V
		5919.5	49.74	-22.51	72.25	39.01	32.58	10.62	32.47	100	8	P	V
		5926	50.4	-17.8	68.2	39.65	32.6	10.62	32.47	100	8	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	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)
		11550	46.96	-27.04	74	53.39	39.5	17.57	63.5	100	0	P	H
		17325	47.17	-21.03	68.2	46.29	40.27	22.15	61.54	100	0	P	H
802.11ax													H
HE80 Full													H
CH 155		11550	47.9	-26.1	74	54.33	39.5	17.57	63.5	100	0	P	V
5775MHz		17325	46.57	-21.63	68.2	45.69	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 HE80_Partial 484 (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)
		5636	56.53	-11.67	68.2	46.77	31.83	10.48	32.55	100	114	P	H
		5683	67.69	-24.97	92.66	57.72	32	10.51	32.54	100	114	P	H
		5719.25	74.63	-35.96	110.59	64.49	32.14	10.53	32.53	100	114	P	H
		5724.25	77.13	-43.36	120.49	66.98	32.15	10.53	32.53	100	114	P	H
	*	5775	107.73	-	-	97.43	32.25	10.56	32.51	100	114	P	H
	*	5775	97.24	-	-	86.94	32.25	10.56	32.51	100	114	A	H
		5854.25	70.71	-41.8	112.51	60.2	32.41	10.59	32.49	100	114	P	H
		5855.25	70.23	-40.5	110.73	59.72	32.41	10.59	32.49	100	114	P	H
		5875.5	60.46	-44.37	104.83	49.89	32.45	10.6	32.48	100	114	P	H
802.11ax		5940.5	52.35	-15.85	68.2	41.53	32.66	10.63	32.47	100	114	P	H
HE80													H
Partial													H
484/65		5649.25	52.78	-15.42	68.2	43.04	31.8	10.49	32.55	100	298	P	V
CH 155		5685.75	64.19	-30.5	94.69	54.21	32.01	10.51	32.54	100	298	P	V
5775MHz		5718	69.76	-40.48	110.24	59.63	32.14	10.52	32.53	100	298	P	V
		5722.25	72.88	-43.05	115.93	62.74	32.14	10.53	32.53	100	298	P	V
	*	5775	103.22	-	-	92.92	32.25	10.56	32.51	100	298	P	V
	*	5775	93.54	-	-	83.24	32.25	10.56	32.51	100	298	A	V
		5852.5	68.48	-48.02	116.5	57.97	32.41	10.59	32.49	100	298	P	V
		5856.5	66.31	-44.07	110.38	55.8	32.41	10.59	32.49	100	298	P	V
		5875	58.98	-46.22	105.2	48.42	32.45	10.6	32.49	100	298	P	V
		5946.25	52.18	-16.02	68.2	41.33	32.69	10.63	32.47	100	298	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)
		5637	55.85	-12.35	68.2	46.09	31.83	10.48	32.55	100	112	P	H
		5682.5	67.29	-25	92.29	57.33	31.99	10.51	32.54	100	112	P	H
		5719.25	74.74	-35.85	110.59	64.6	32.14	10.53	32.53	100	112	P	H
		5724.5	76.82	-44.24	121.06	66.67	32.15	10.53	32.53	100	112	P	H
	*	5775	102.36	-	-	92.06	32.25	10.56	32.51	100	112	P	H
	*	5775	93.92	-	-	83.62	32.25	10.56	32.51	100	112	A	H
		5853.5	70.16	-44.06	114.22	59.65	32.41	10.59	32.49	100	112	P	H
		5860	69.47	-39.93	109.4	58.95	32.42	10.59	32.49	100	112	P	H
		5875	59.86	-45.34	105.2	49.3	32.45	10.6	32.49	100	112	P	H
802.11ax		5943.75	52.32	-15.88	68.2	41.49	32.67	10.63	32.47	100	112	P	H
HE80													H
Partial													H
484/66		5633.25	55.34	-12.86	68.2	45.58	31.83	10.48	32.55	100	11	P	V
CH 155		5690	66	-31.83	97.83	55.99	32.04	10.51	32.54	100	11	P	V
5775MHz		5716.25	72.6	-37.15	109.75	62.48	32.13	10.52	32.53	100	11	P	V
		5721	75.13	-37.95	113.08	64.99	32.14	10.53	32.53	100	11	P	V
	*	5775	107.78	-	-	97.48	32.25	10.56	32.51	100	11	P	V
	*	5775	96.4	-	-	86.1	32.25	10.56	32.51	100	11	A	V
		5851.75	70.89	-47.32	118.21	60.39	32.4	10.59	32.49	100	11	P	V
		5856.25	71.53	-38.92	110.45	61.02	32.41	10.59	32.49	100	11	P	V
		5878	60.34	-42.63	102.97	49.76	32.46	10.6	32.48	100	11	P	V
		5948.25	52.69	-15.51	68.2	41.83	32.69	10.63	32.46	100	11	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 802.11a (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)
		91.11	31.08	-12.42	43.5	47.54	14.64	1.31	32.41	-	-	P	H
		132.82	30.46	-13.04	43.5	43.98	17.39	1.54	32.45	-	-	P	H
		198.78	34.52	-8.98	43.5	50.51	14.64	1.96	32.59	100	0	P	H
		933.07	32.47	-13.53	46	30.2	29.26	4.3	31.29	-	-	P	H
		951.5	32.58	-13.42	46	29.14	30.15	4.34	31.05	-	-	P	H
		959.26	33.22	-12.78	46	29.16	30.64	4.37	30.95	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		48.43	33.66	-6.34	40	50.58	14.67	0.94	32.53	100	0	P	V
		61.04	32.27	-7.73	40	52.08	11.61	1.08	32.5	-	-	P	V
		92.08	33.34	-10.16	43.5	49.65	14.78	1.32	32.41	-	-	P	V
		715.79	33.74	-12.26	46	35.52	26.44	3.7	31.92	-	-	P	V
		941.8	34.02	-11.98	46	31.25	29.63	4.32	31.18	-	-	P	V
		959.26	32.9	-13.1	46	28.84	30.64	4.37	30.95	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

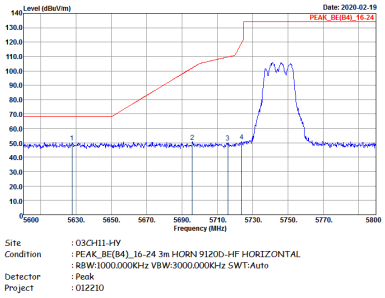
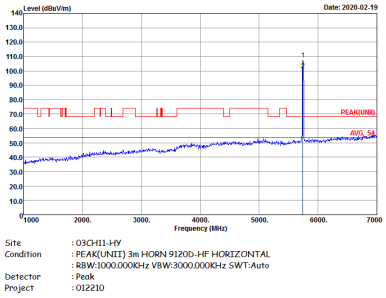
Test Engineer :	Cookie Ku, Fu Chen, Troye Hsieh, and Quentin Liu	**Temperature :**	17.1~26.7°C
		Relative Humidity :	39.9~74.5%

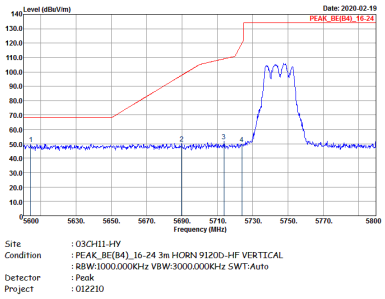
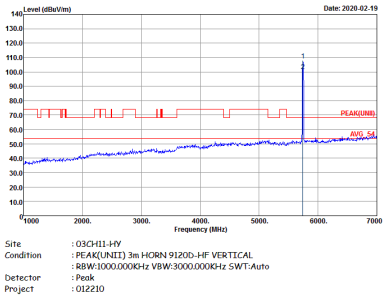
Note symbol

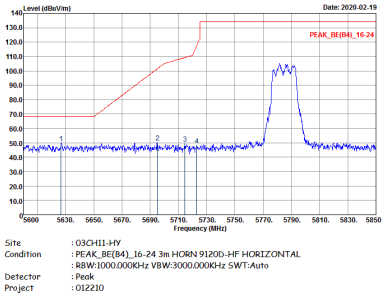
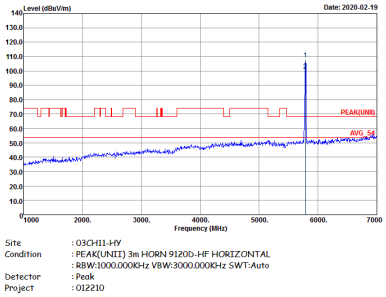
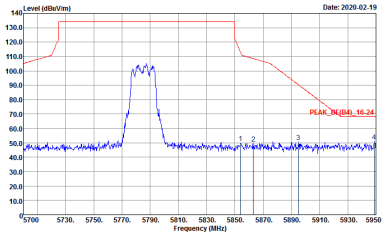
-L	**Low channel location**
-R	**High channel location**

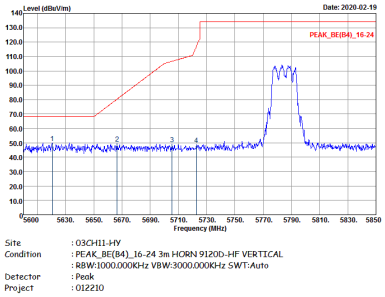
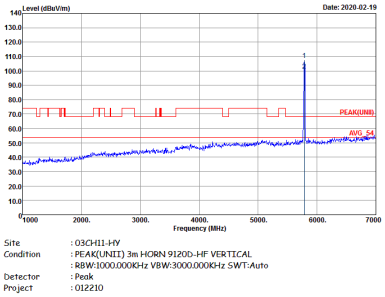
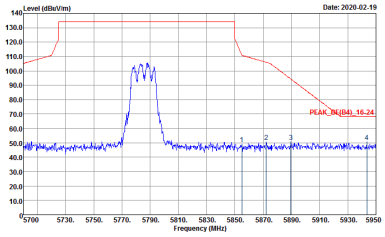
Band 4 - 5725~5850MHz

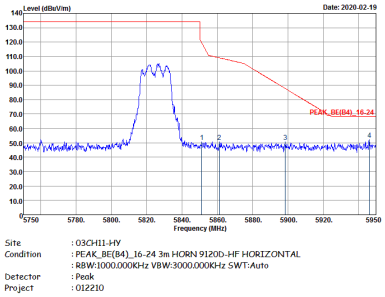
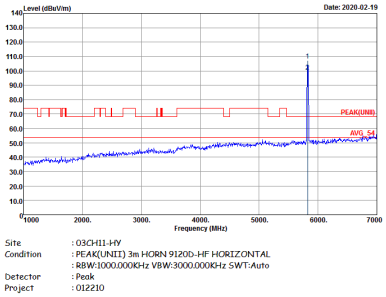
WIFI 802.11a (Band Edge @ 3m)

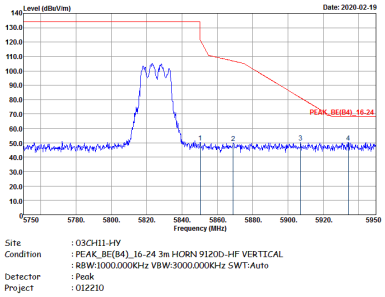
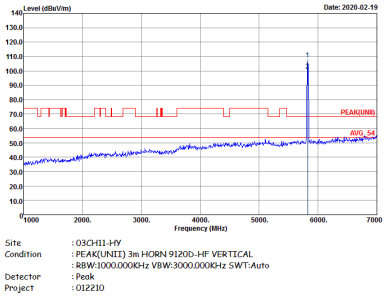
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

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

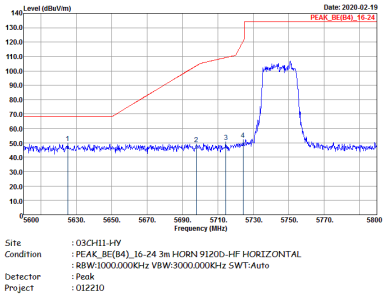
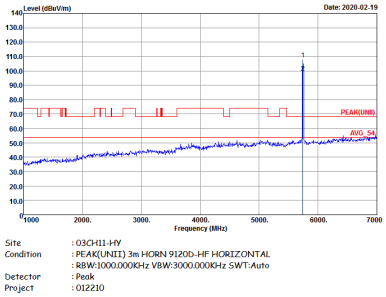
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 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 : 012210	Left blank

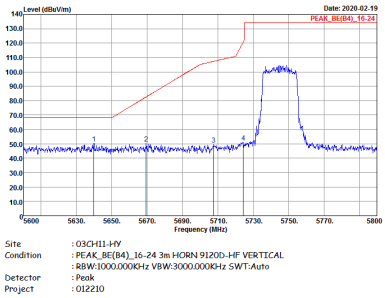
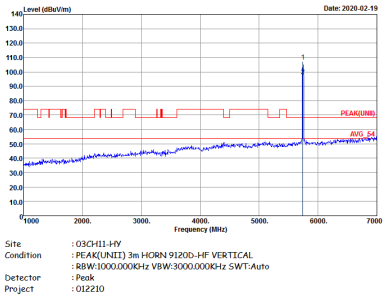
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	Left blank

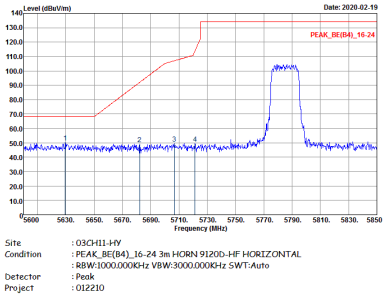
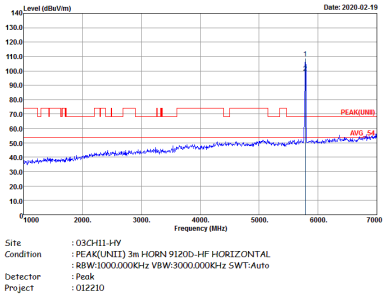
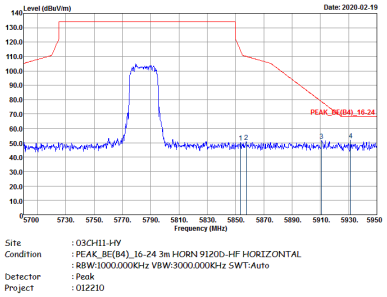
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

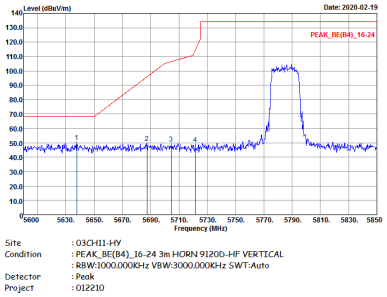
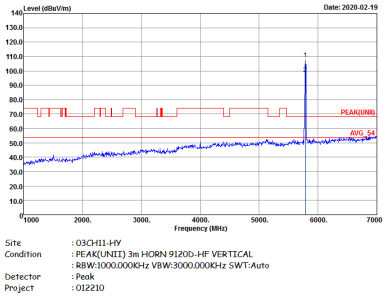
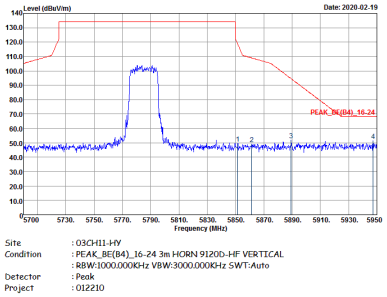
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

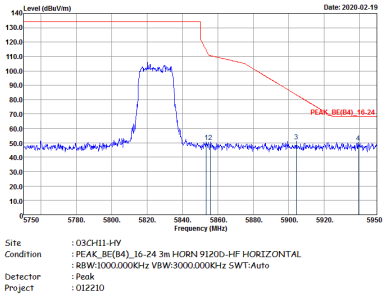
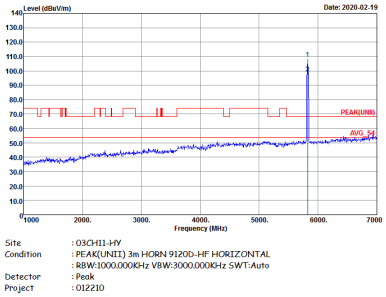
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

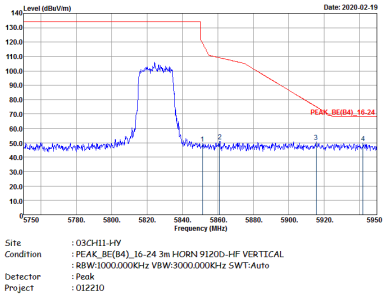
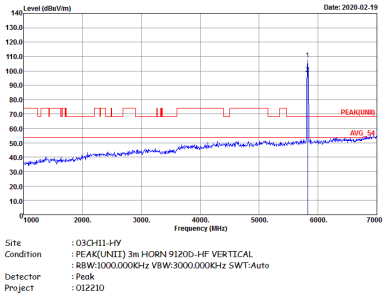
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

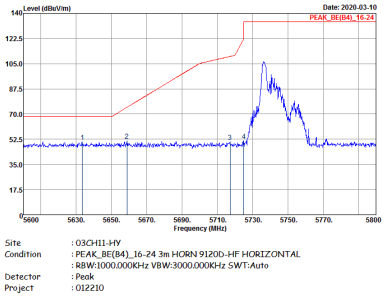
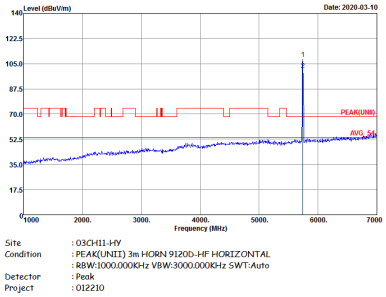
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

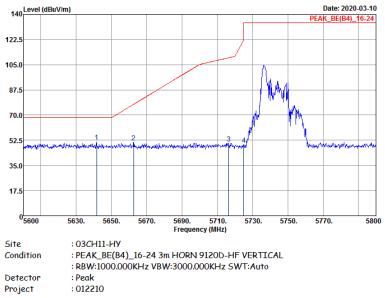
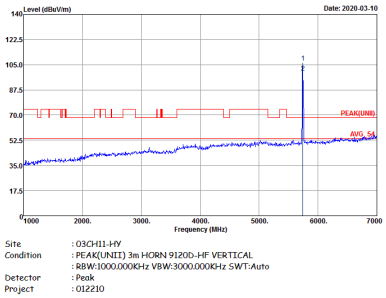
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

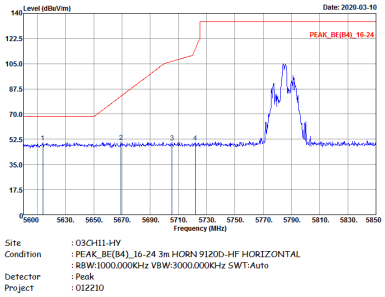
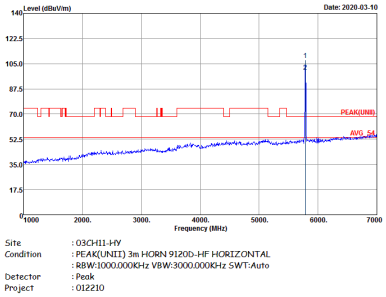
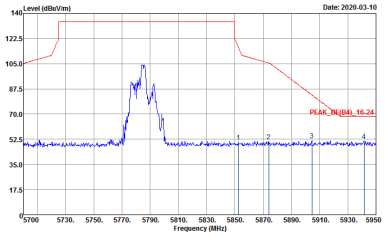
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

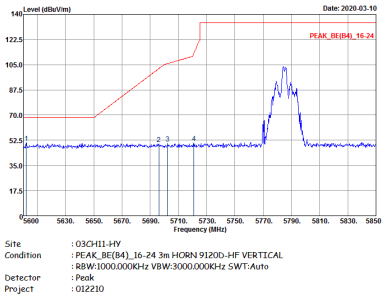
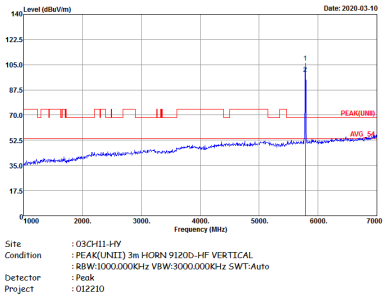
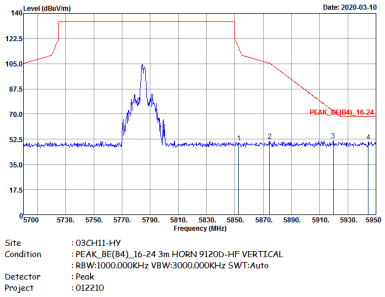
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

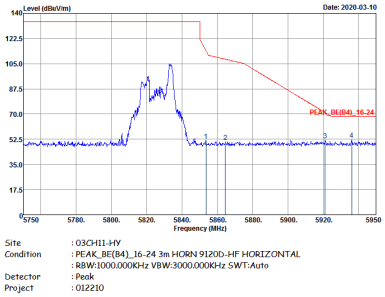
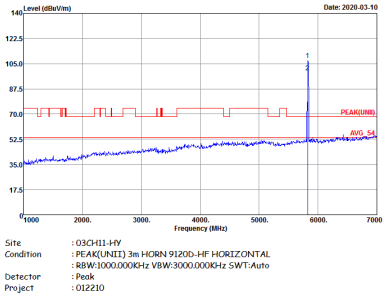
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

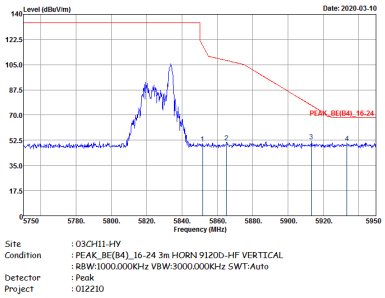
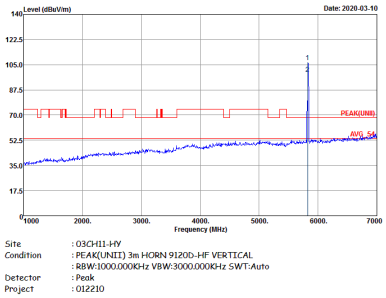
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	Left blank

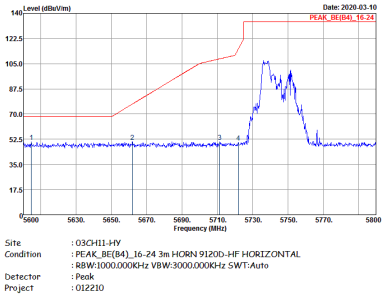
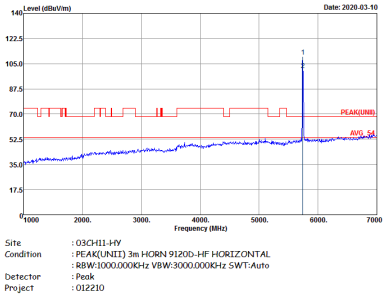
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

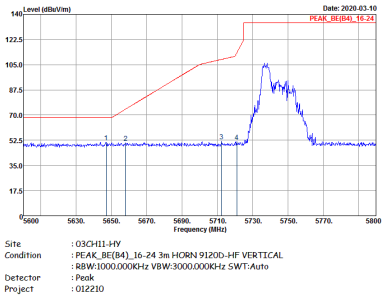
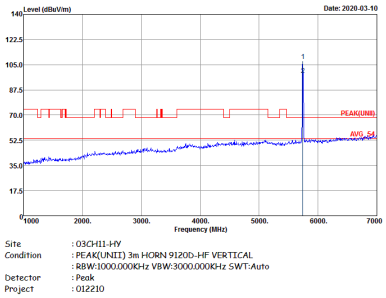
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

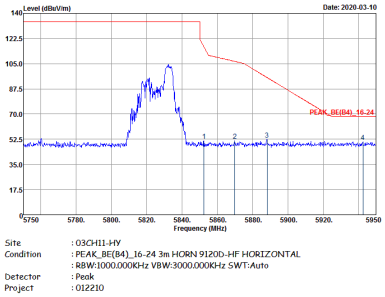
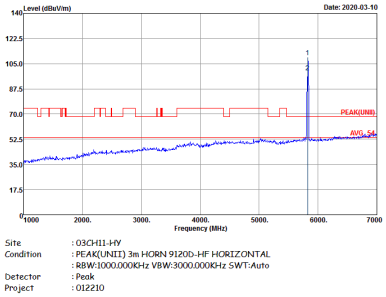
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

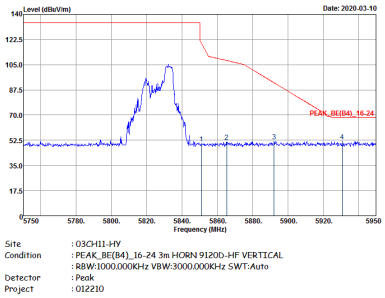
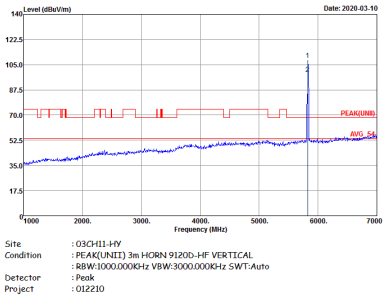
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

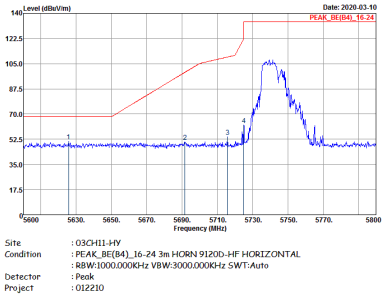
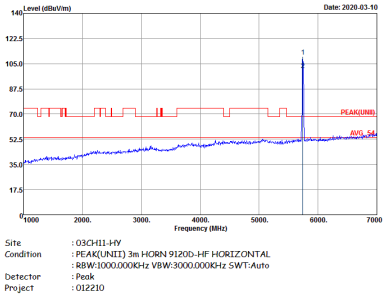
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

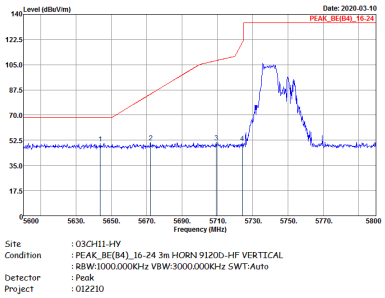
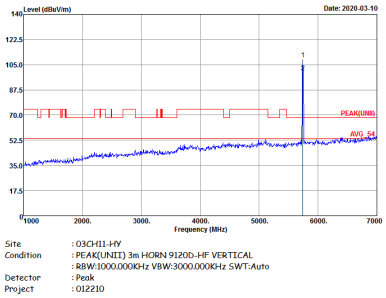
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

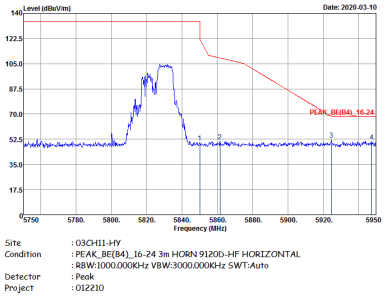
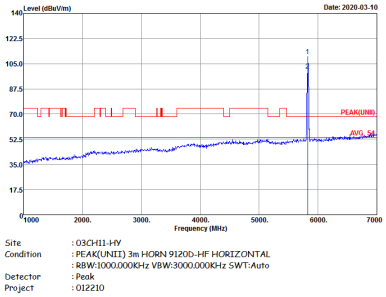
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

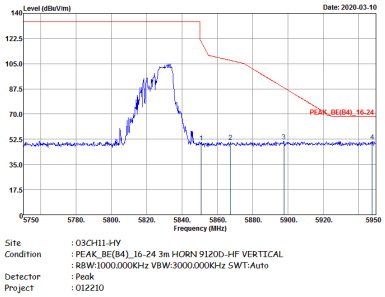
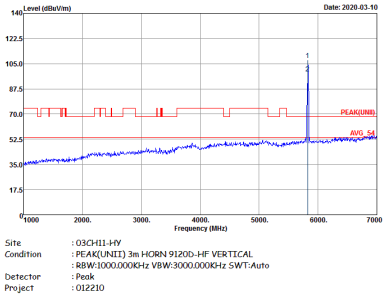
Band 4 5725~5850MHz

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

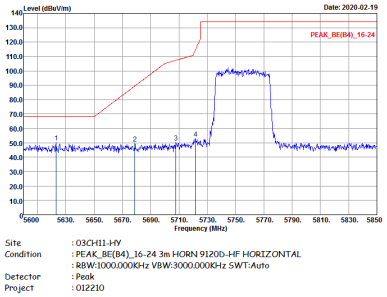
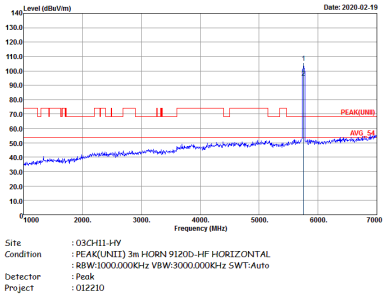
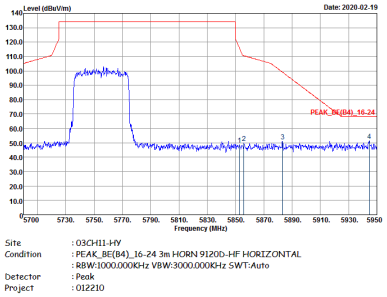
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

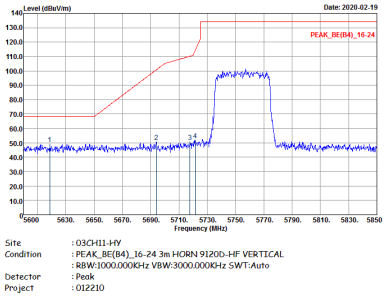
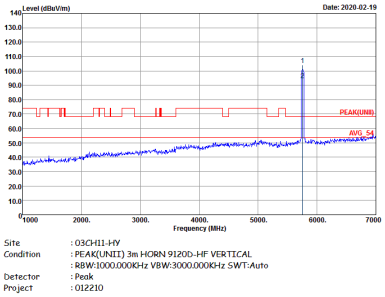
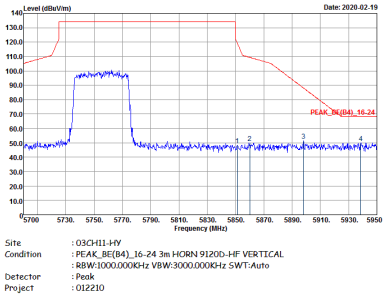
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

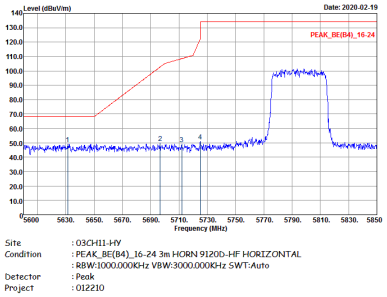
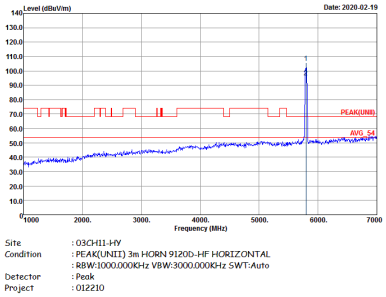
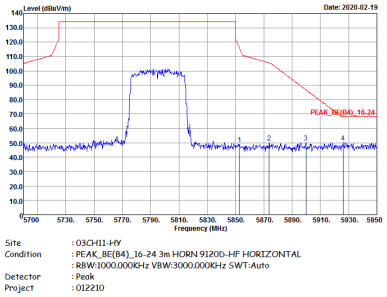
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

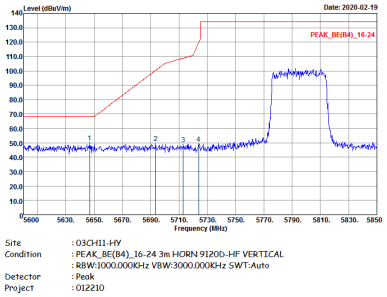
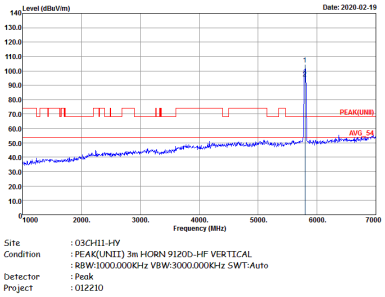
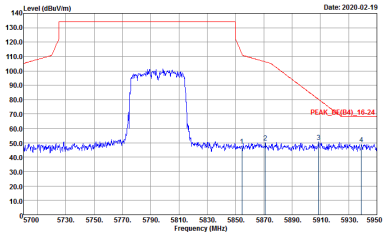
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

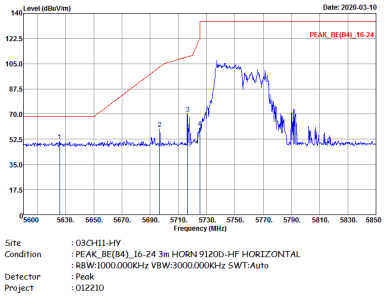
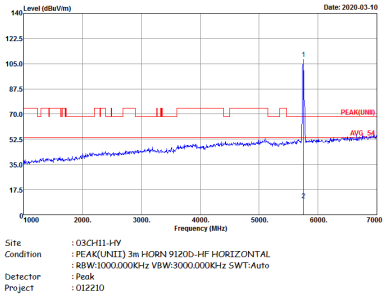
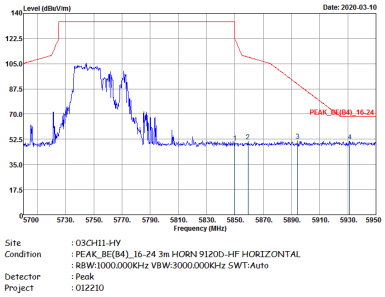
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	Left blank

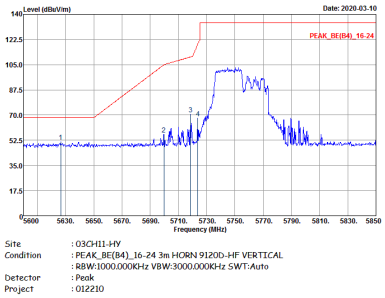
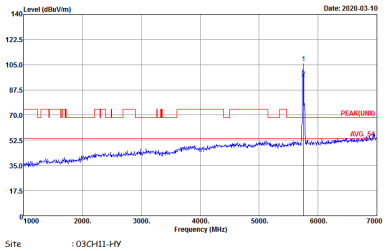
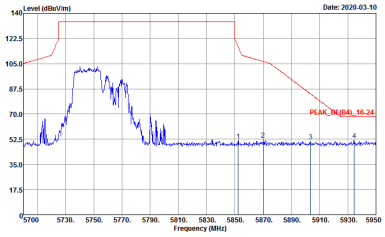
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

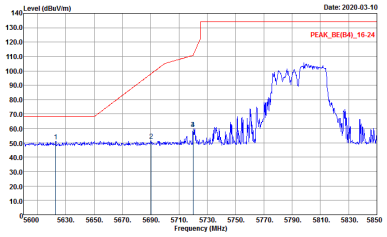
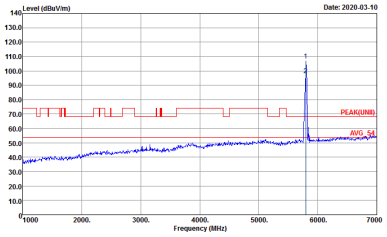
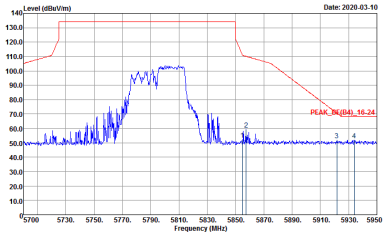
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	Left blank

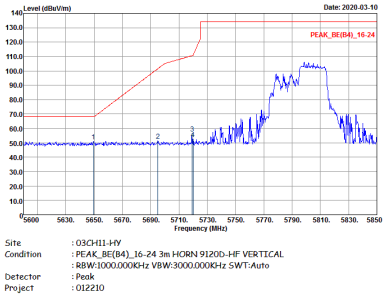
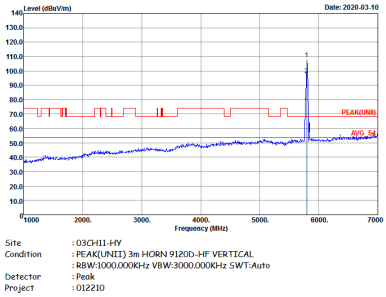
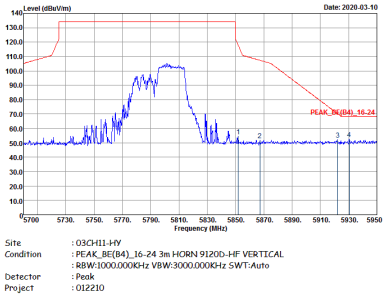
Band 4 5725~5850MHz

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

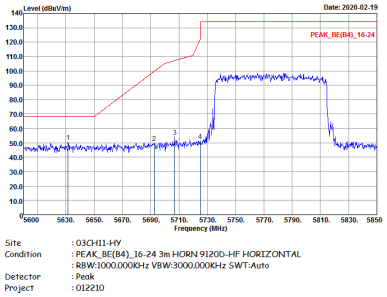
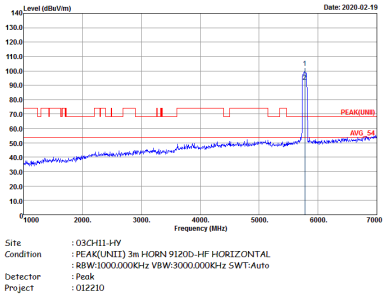
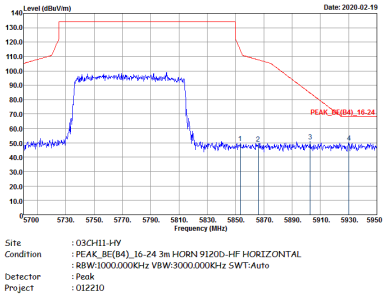
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

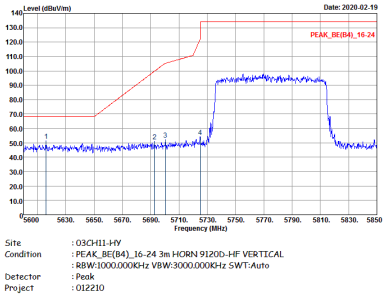
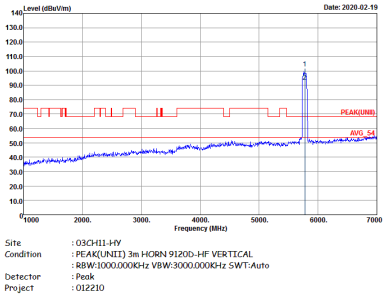
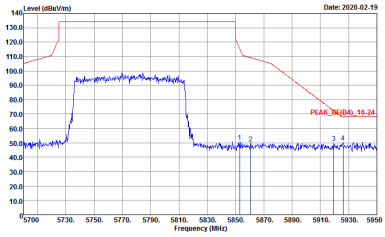
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 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 : 012210	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 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 : 012210	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

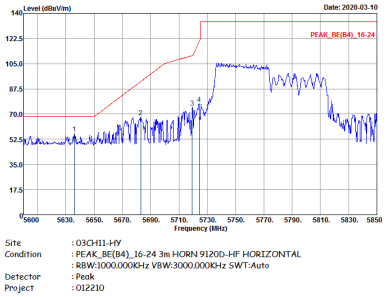
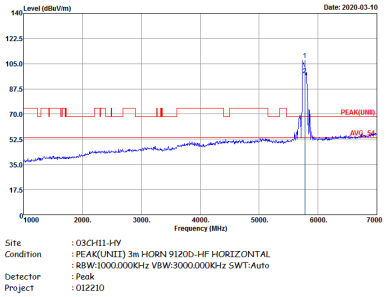
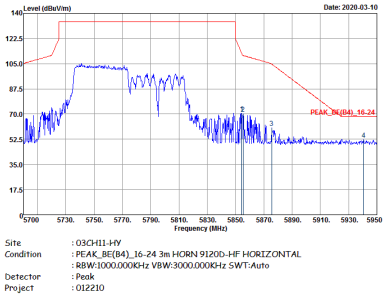
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

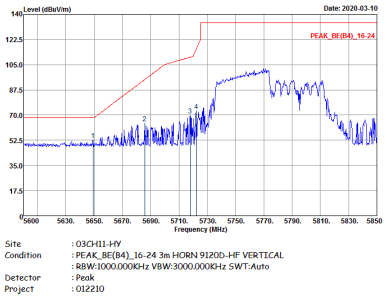
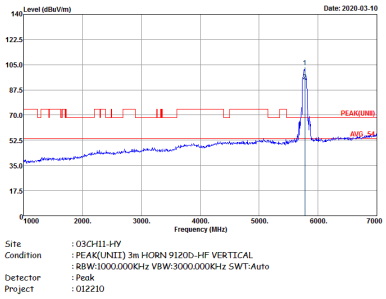
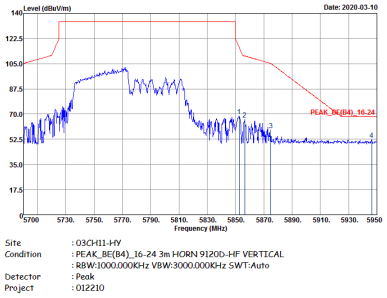
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

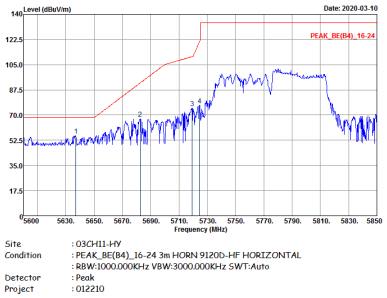
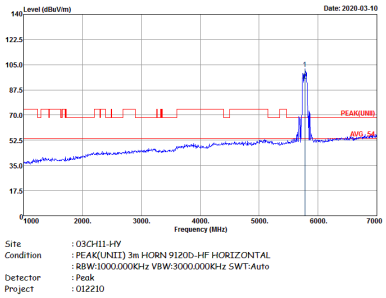
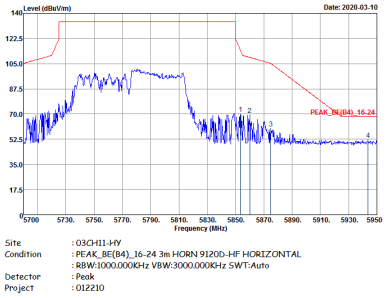
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210
Peak	 Site : 03CH11-HV Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 012210	Left blank

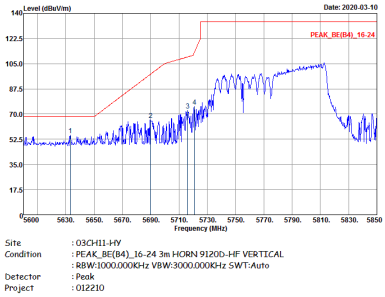
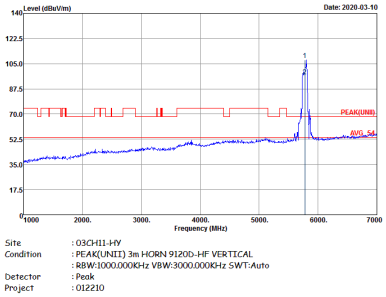
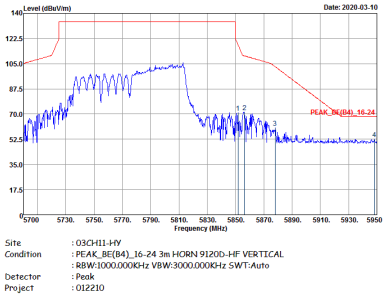
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

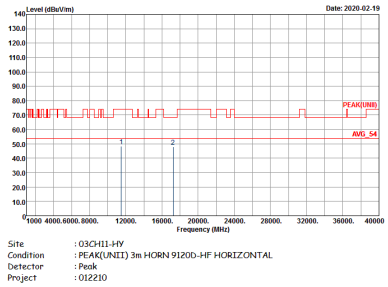
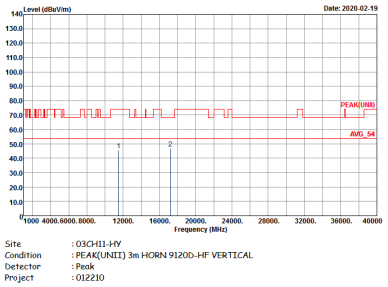
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

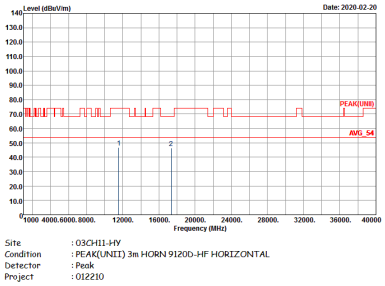
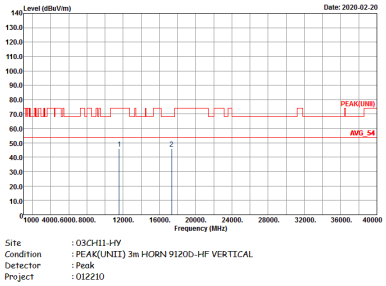
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

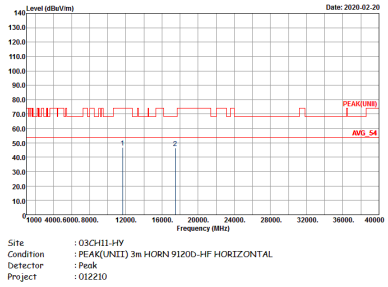
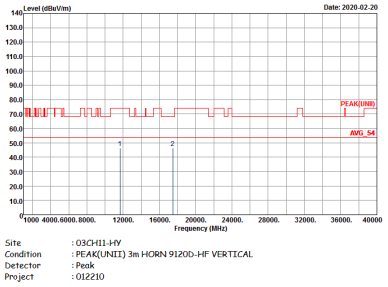
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

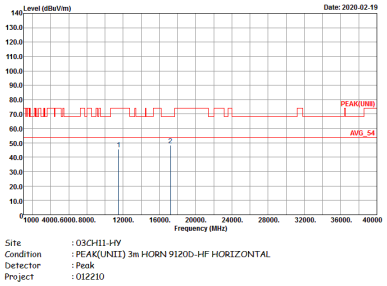
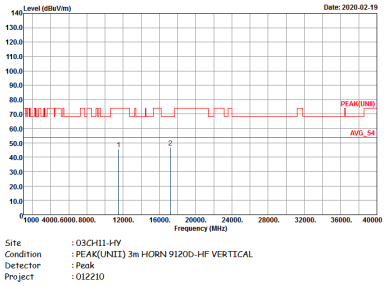
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

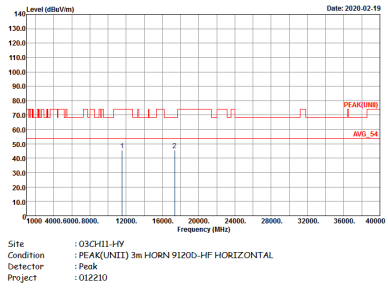
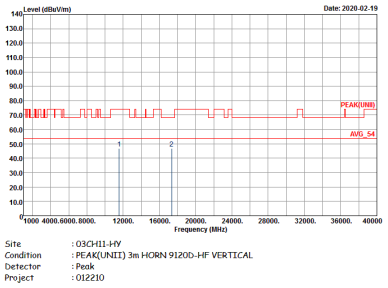
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

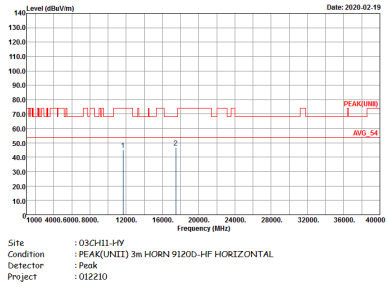
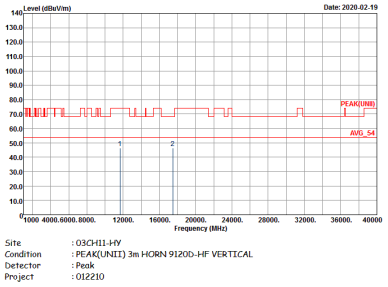
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

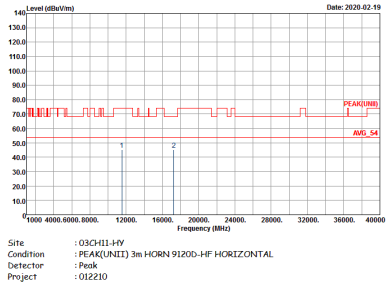
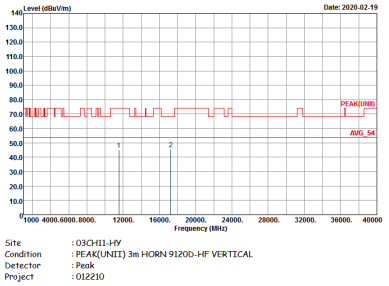
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

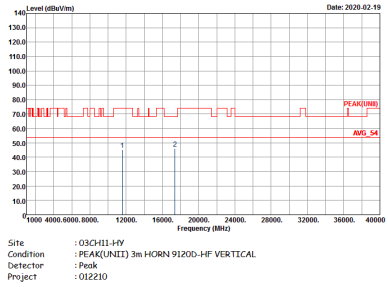
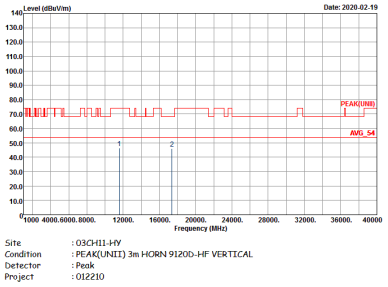
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

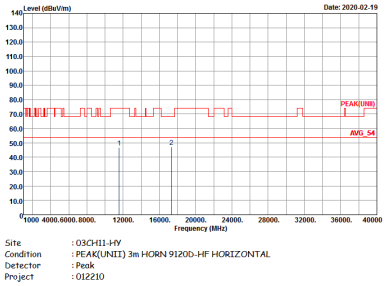
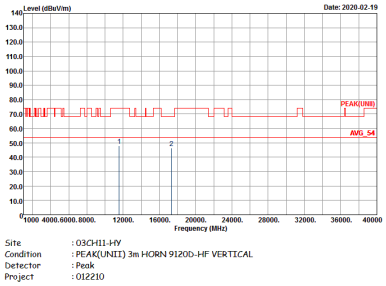
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.		

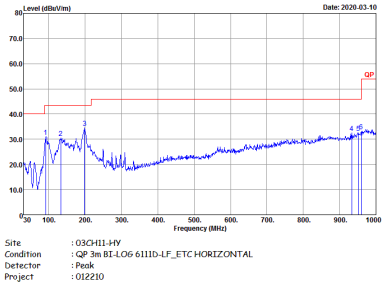
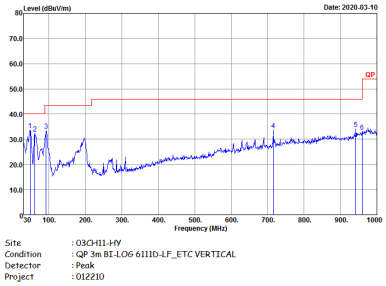
Band 4 5725~5850MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11a (LF)

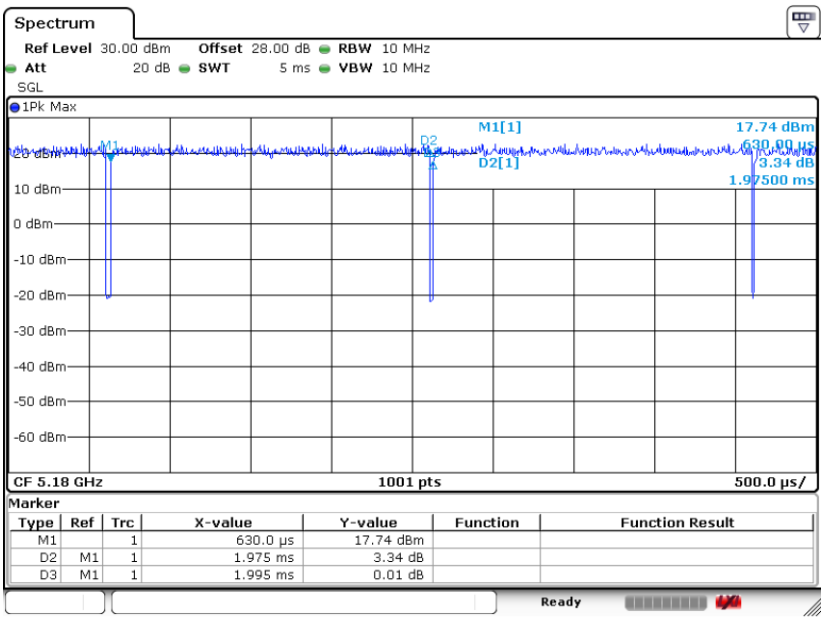
WIFI	5GHz WIFI	
ANT	802.11a LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

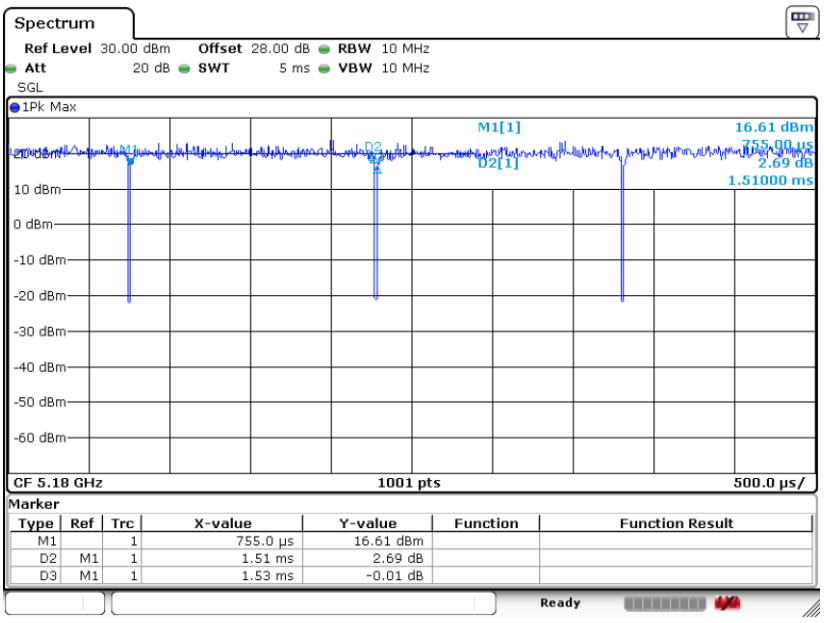
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1+2	802.11a for Ant 1	99.00	-	-	10Hz	0.04
1+2	802.11a for Ant 2	99.00	-	-	10Hz	0.04
1+2	5GHz 802.11ax HE20 for Ant 1 Full RU	98.69	-	-	10Hz	0.06
1+2	5GHz 802.11ax HE20 for Ant 2 Full RU	98.69	-	-	10Hz	0.06
1+2	5GHz 802.11ax HE20 for Ant 1 26 RU 0	93.48	2580	0.39	1kHz	0.29
1+2	5GHz 802.11ax HE20 for Ant 2 26 RU 0	93.55	2610	0.38	1kHz	0.29
1+2	5GHz 802.11ax HE20 for Ant 1 52 RU 37	92.78	2570	0.39	1kHz	0.33
1+2	5GHz 802.11ax HE20 for Ant 2 52 RU 37	94.51	2580	0.39	1kHz	0.25
1+2	5GHz 802.11ax HE20 for Ant 1 106 RU 53	93.46	2430	0.41	1kHz	0.29
1+2	5GHz 802.11ax HE20 for Ant 2 106 RU 53	93.80	2420	0.41	1kHz	0.28
1+2	5GHz 802.11ax HE40 for Ant 1 Full RU	98.12	-	-	10Hz	0.08
1+2	5GHz 802.11ax HE40 for Ant 2 Full RU	98.12	-	-	10Hz	0.08
1+2	5GHz 802.11ax HE40 for Ant 1 242 RU 61	93.31	2370	0.42	1kHz	0.30
1+2	5GHz 802.11ax HE40 for Ant 2 242 RU 61	92.97	2380	0.42	1kHz	0.32
1+2	5GHz 802.11ax HE80 for Ant 1 Full RU	96.19	404	2.48	3kHz	0.17
1+2	5GHz 802.11ax HE80 for Ant 2 Full RU	95.73	404	2.48	3kHz	0.19
1+2	5GHz 802.11ax HE80 for Ant 1 484 RU 65	89.10	1390	0.72	1kHz	0.50
1+2	5GHz 802.11ax HE80 for Ant 2 484 RU 65	88.12	1410	0.71	1kHz	0.55

MIMO <Ant. 1>

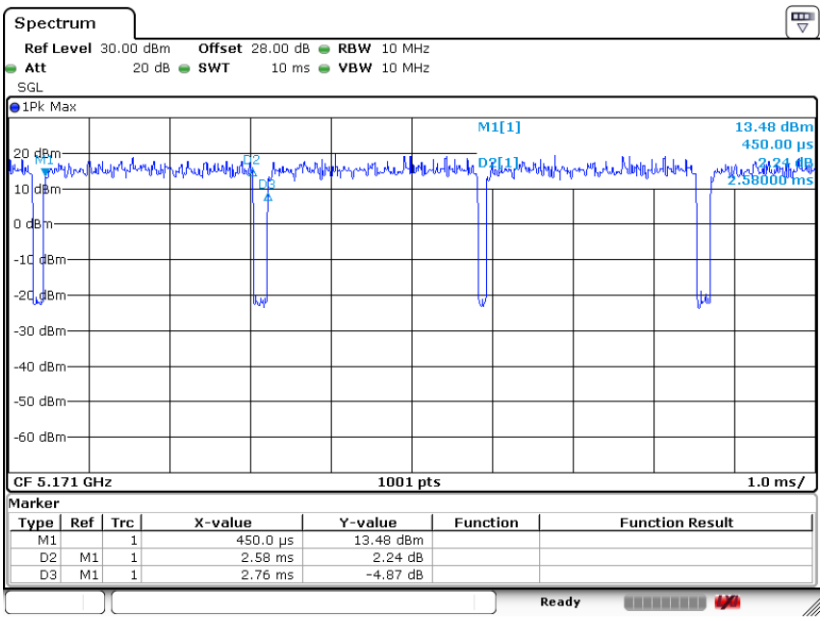
802.11a



802.11ax HE20 Full RU

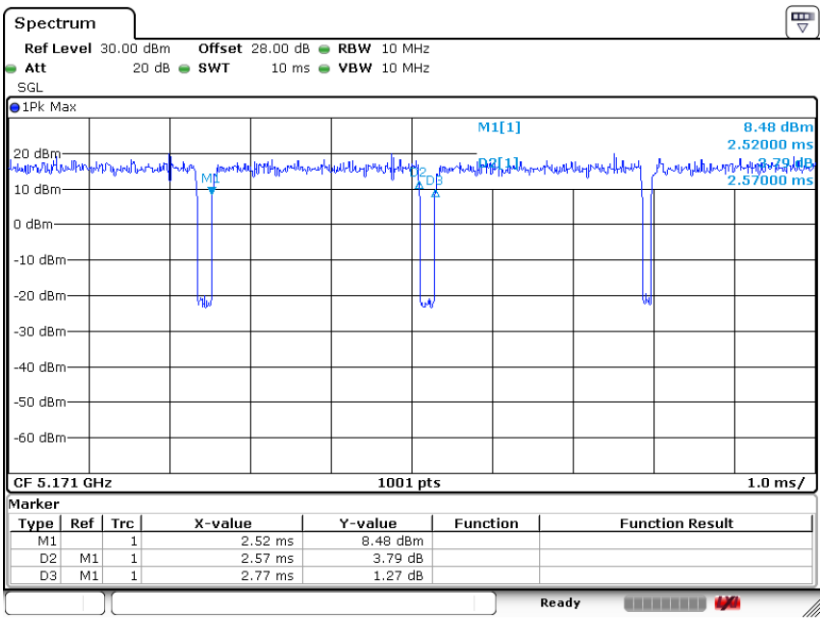


802.11ax HE20 26 RU 0



Date: 27.FEB.2020 00:56:24

802.11ax HE20 52 RU 37



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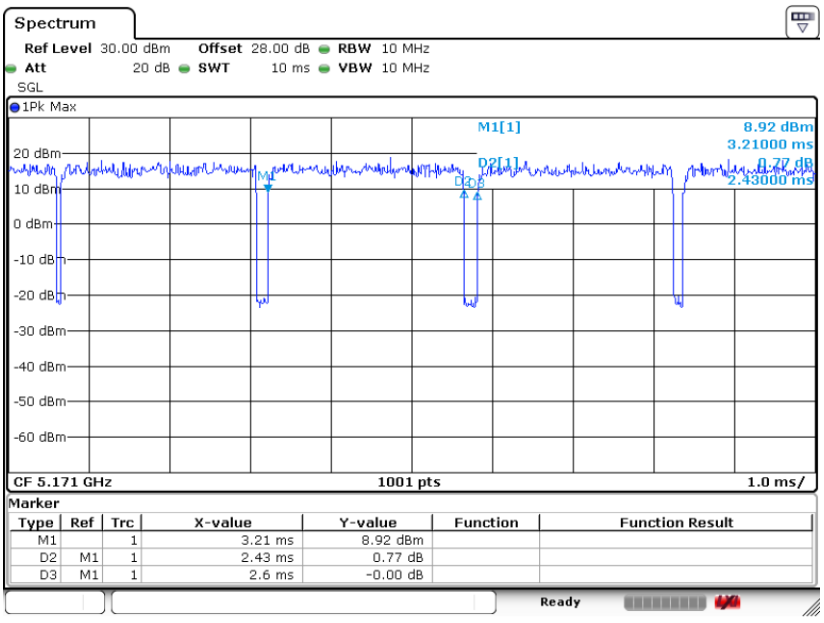
802.11ax HE20 106 RU 53



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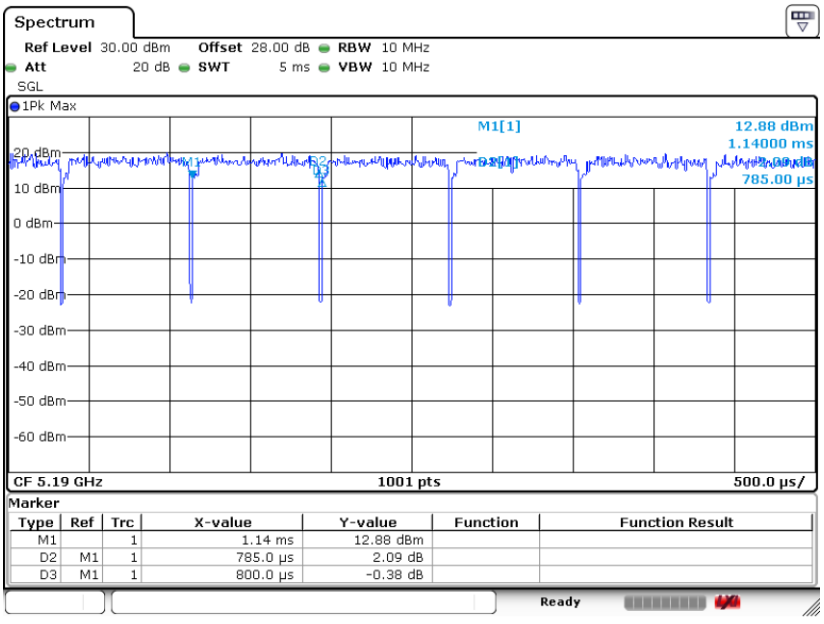
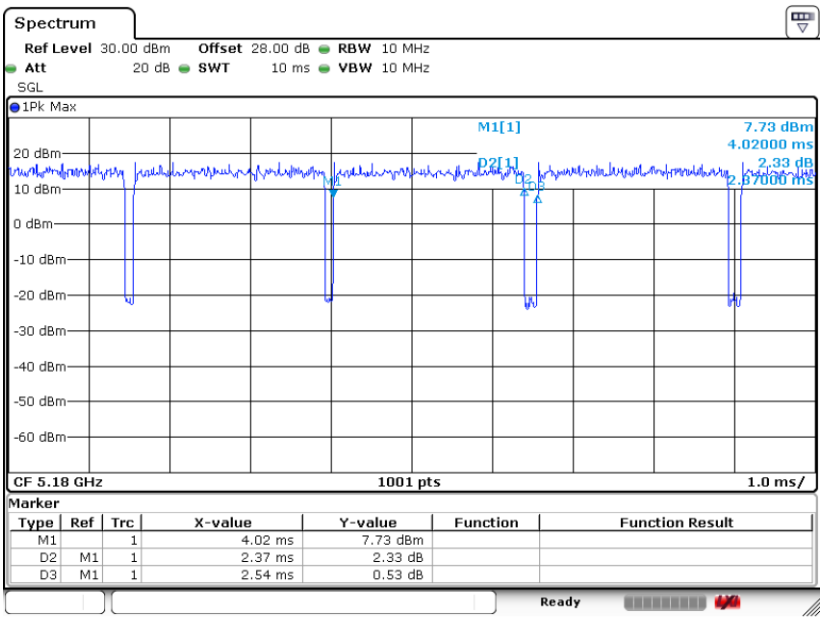
802.11ax HE40 Full RU



Date: 5.FEB.2020 19:20:53

802.11ax HE40 242 RU 61



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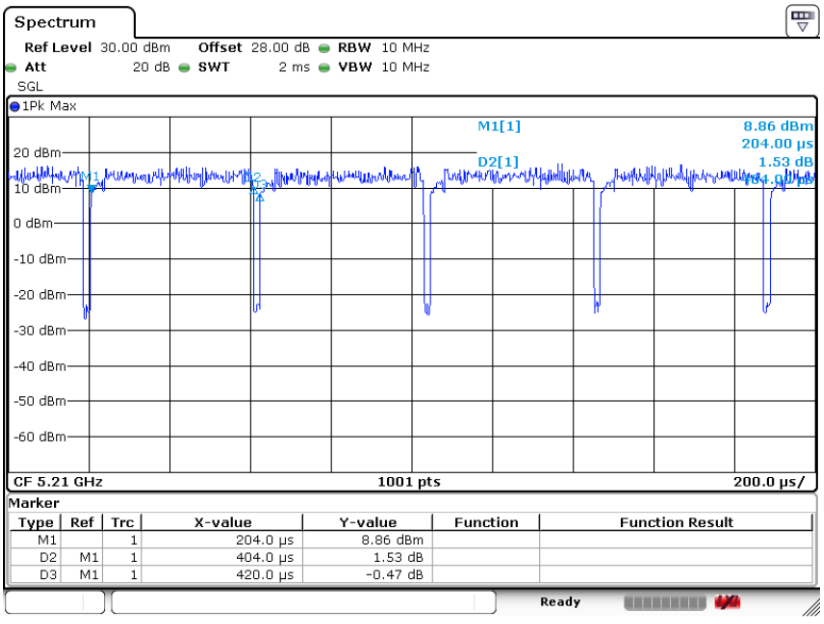
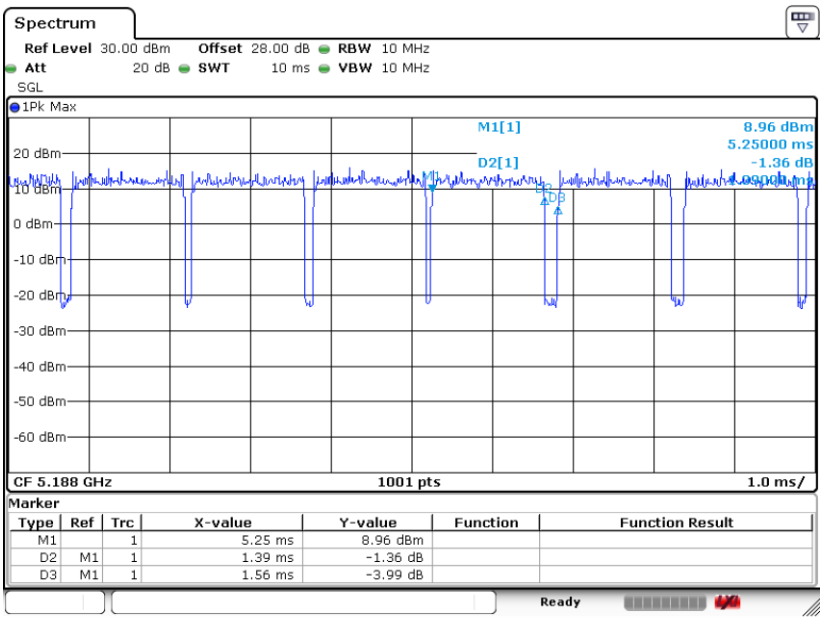
802.11ax HE80 Full RU



Date: 7.FEB.2020 00:32:16

802.11ax HE80 484 RU 65



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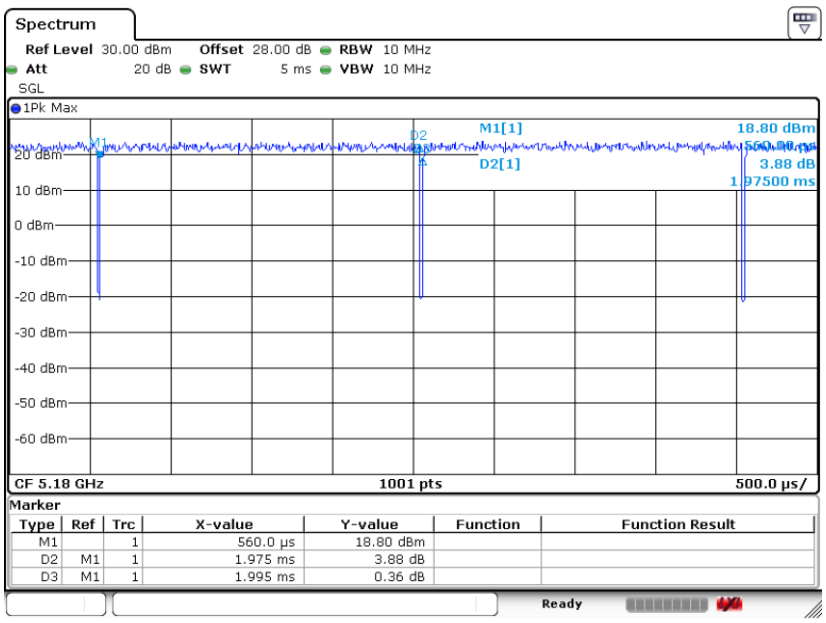
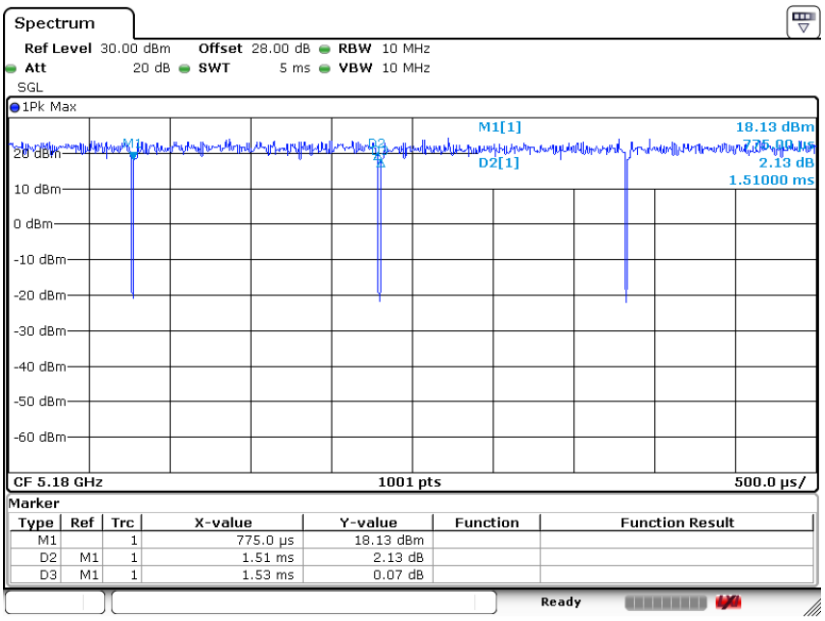
MIMO <Ant. 2>

802.11a



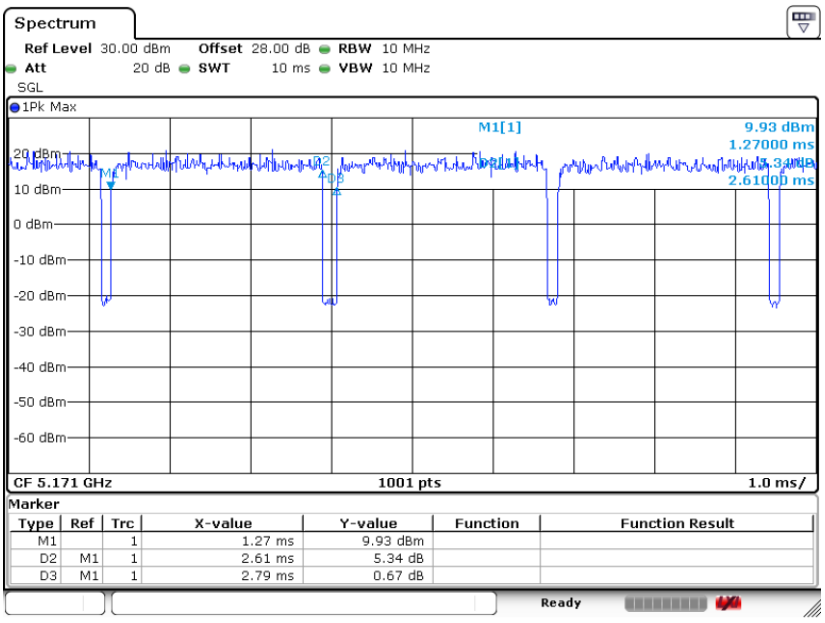
Date: 5.FEB.2020 16:12:07

802.11ax HE20 Full RU



Date: 5.FEB.2020 17:43:01

802.11ax HE20 26 RU 0



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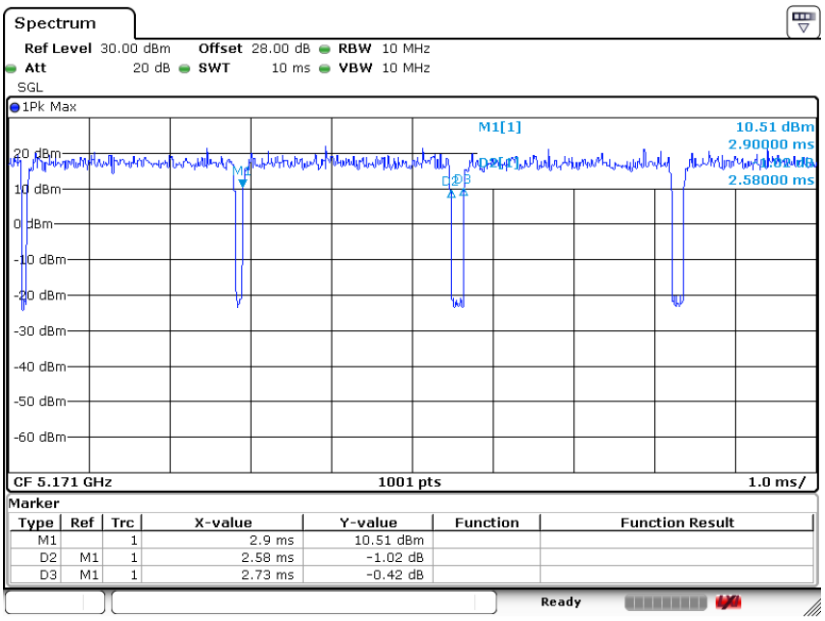
802.11ax HE20 52 RU 37



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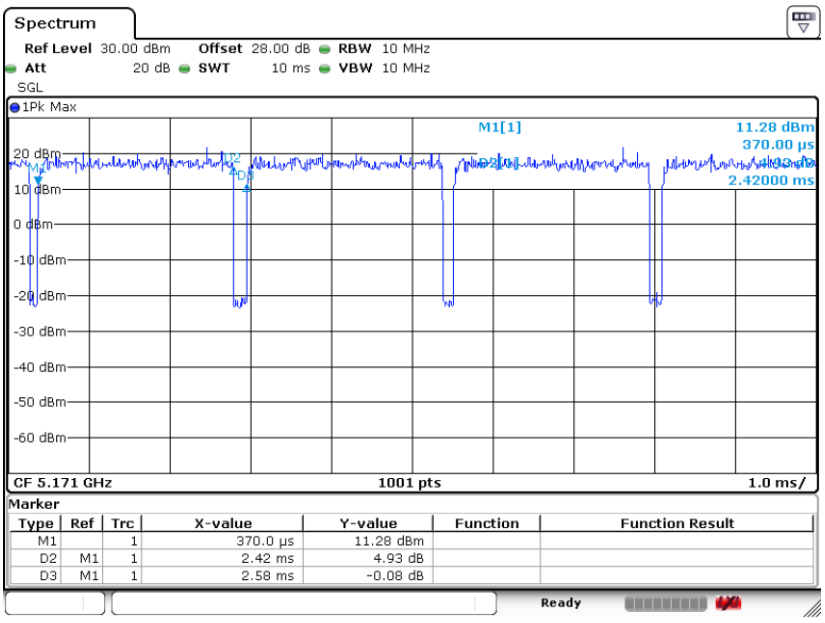
802.11ax HE20 106 RU 53



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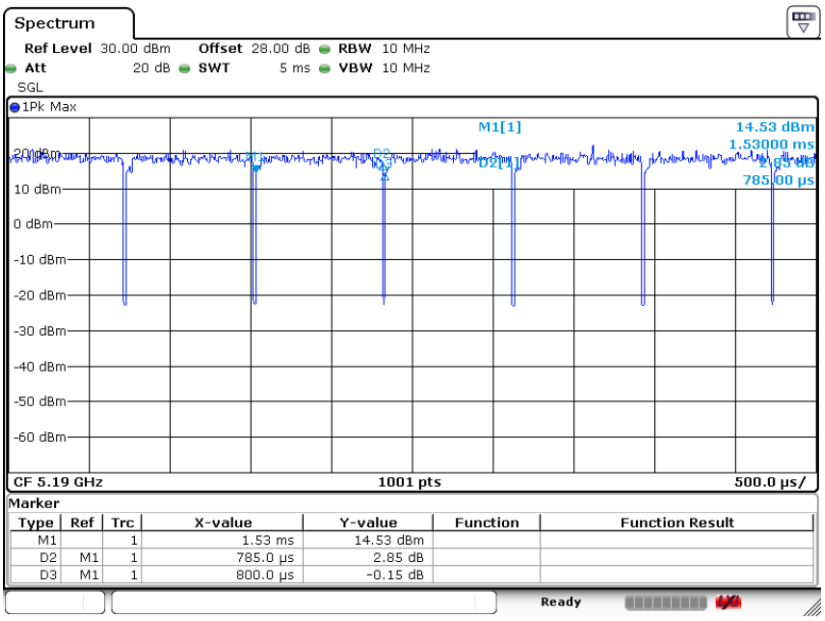
802.11ax HE40 Full RU



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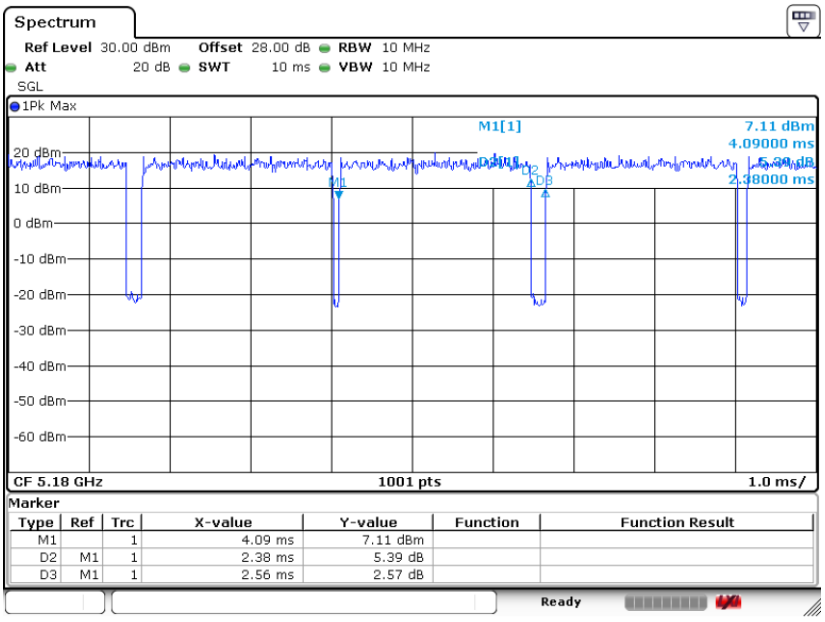
802.11ax HE40 242 RU 61



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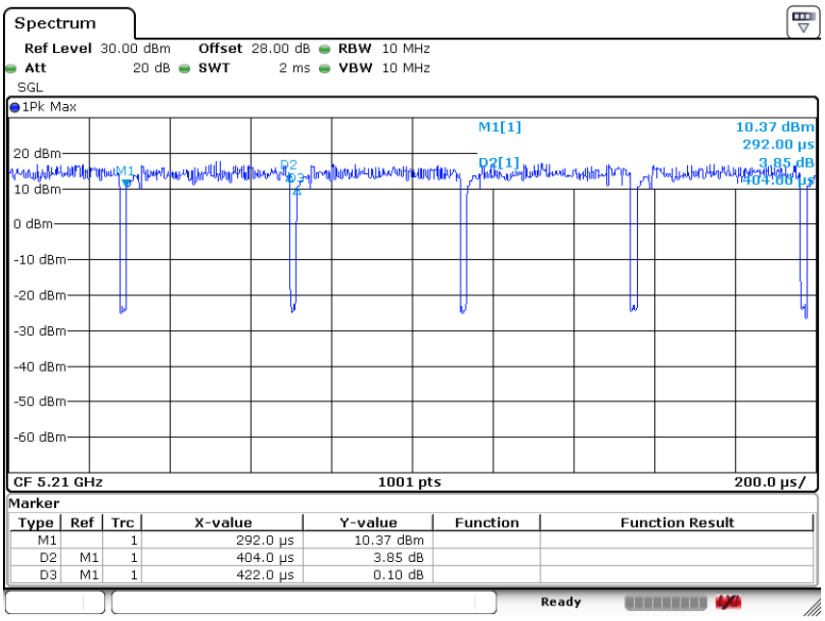
802.11ax HE80 Full RU



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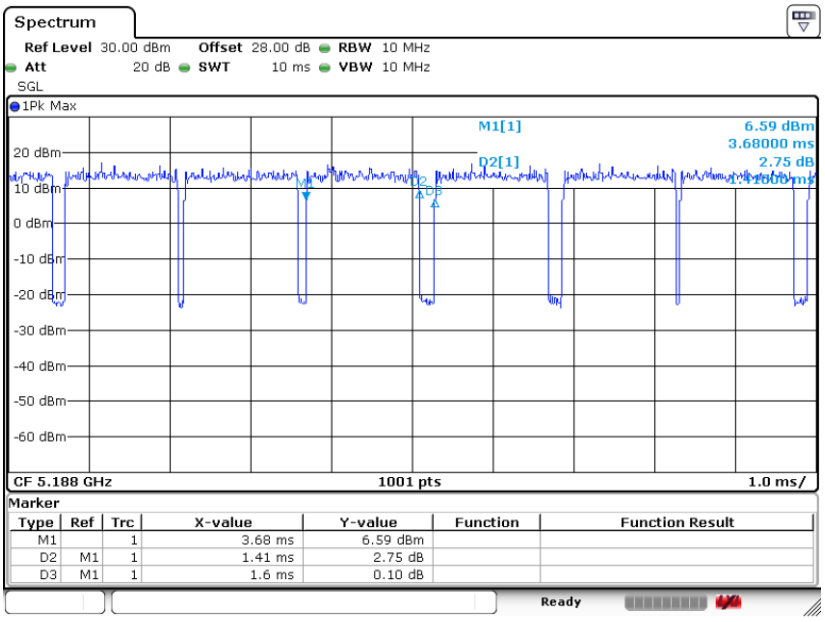
802.11ax HE80 484 RU 65



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