FCC RADIO TEST REPORT

FCC ID	:	**2AS7A-B3KF1**
Equipment	:	**Head Mounted Display**
Model Name	:	**KW49CM**
Applicant	:	**Imaginante, LLC** **103 Foulk Road, Suite 202, Wilmington, DE 19803**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Dec. 18, 2019 and testing was started from Dec. 24, 2019 and completed on Feb. 05, 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
FR9D1825-01E	01	Initial issue of report	May 29, 2020
FR9D1825-01E	02	Revising accessory and equipment information.	Aug. 14, 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 1.06 dB at 5946.600 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.87 dB at 0.493 MHz
3.6	15.407 (c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 & 15.407 (a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang
Report Producer: Celery Wei

1 General Description

1.1 Product Feature of Equipment Under Test

GFSK, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax and Wi-Fi 5GHz 802.11a/n/ac/ax

Product Specification subjective to this standard	
Antenna Type	GFSK: Loop Antenna WLAN: <Ant. 1> Dipole Antenna <Ant. 2> Dipole Antenna Bluetooth: Dipole 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.**
	03CH16-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.
3. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X 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, 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80 and 802.11ax HE80.

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
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GFSK Link + Bluetooth Link + WLAN(5GHz) Link + Earphone + Controller (Left) + Controller (Right) + USB Cable (Charging from AC Adapter)
Remark: For Radiated Test Cases, the tests were performed with Battery 2.	

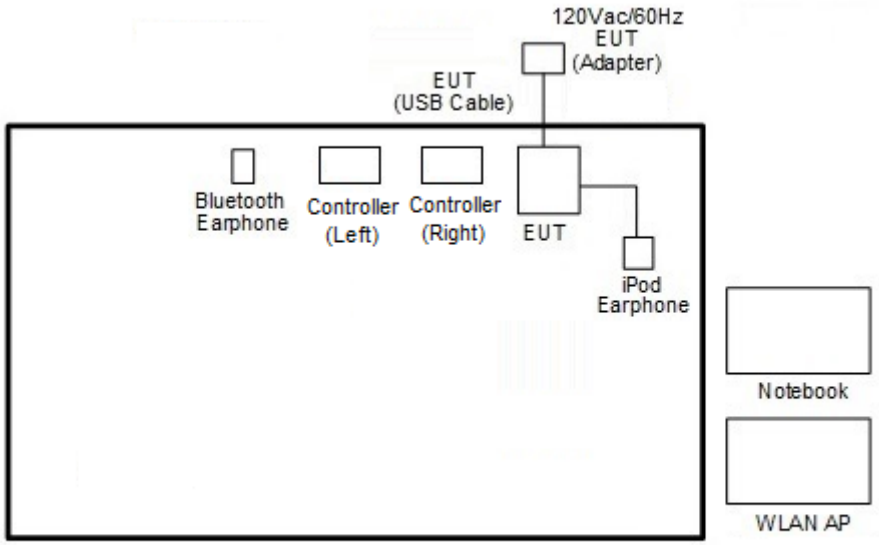
Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

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

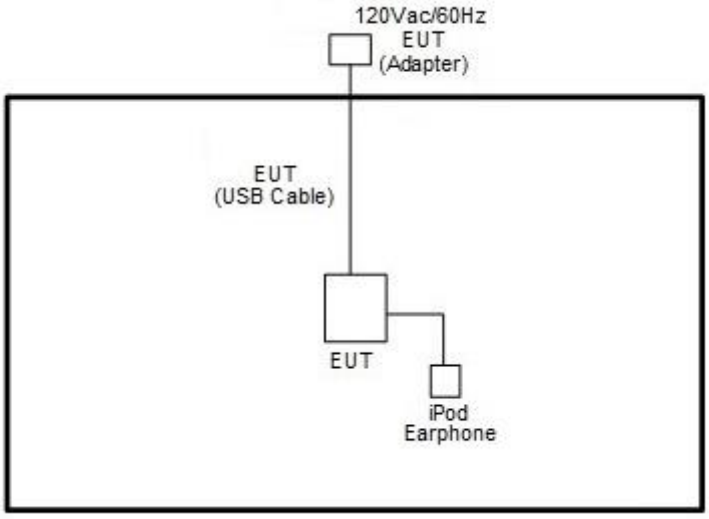
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<Radiated Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
4.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P： Unshielded, 1.2m DC O/P： Shielded, 1.8m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	Controller (Left)	N/A	N/A	N/A	N/A	N/A
7.	Controller (Right)	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V4.0.00142.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 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.

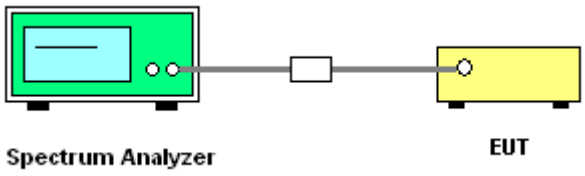
3.1.2 Measuring Instruments

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.

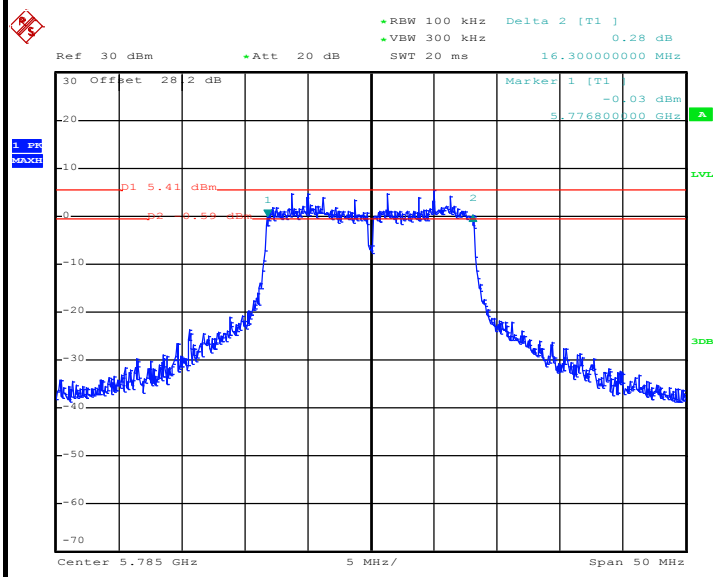
3.1.4 Test Setup



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

Please refer to Appendix A.

Minimum 6dB Bandwidth



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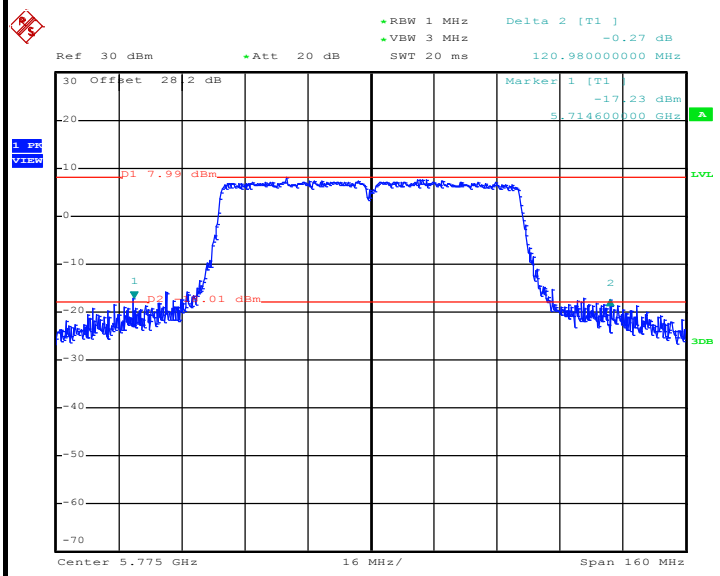
Maximum 26dB Bandwidth



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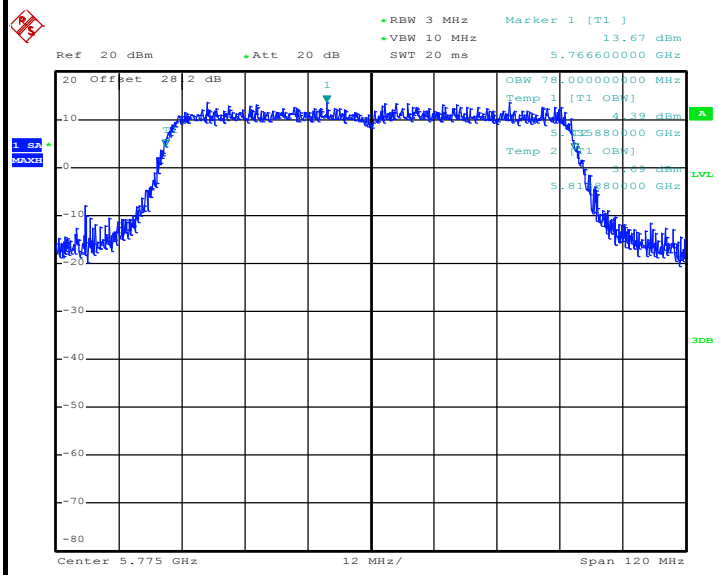
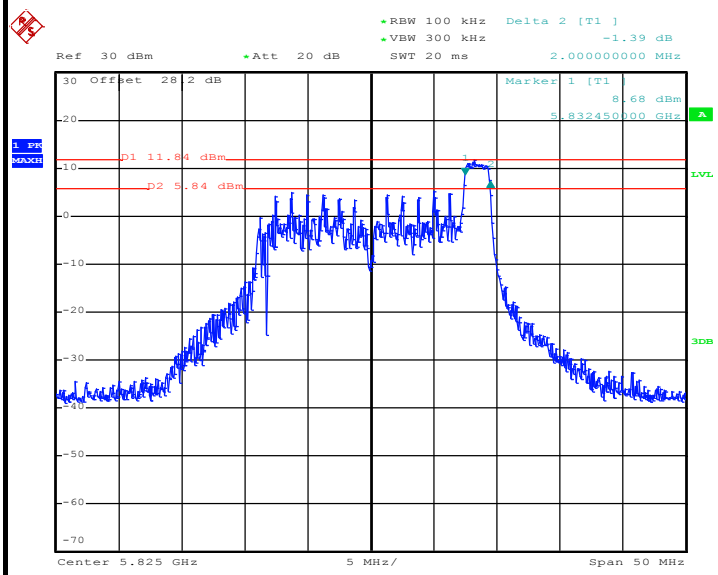
Maximum 99% Occupied Bandwidth



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

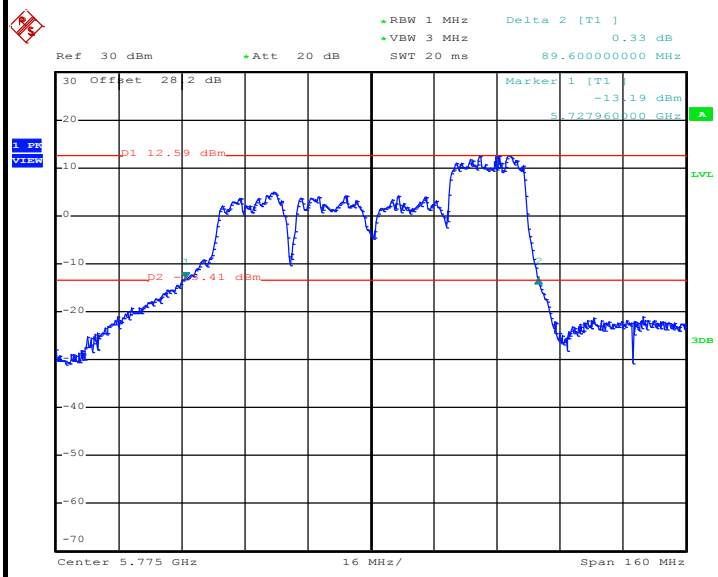
<For Partially Loaded RUs>

Minimum 6dB Bandwidth



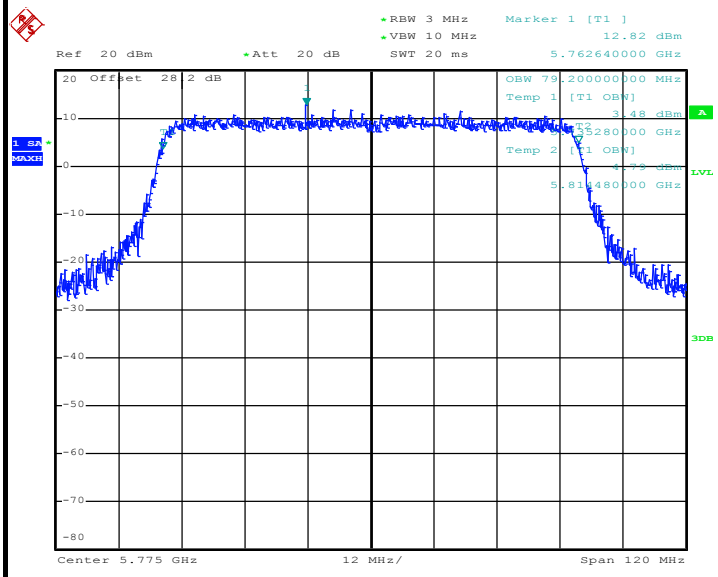
<For Partially Loaded RUs>

Maximum 26dB Bandwidth



<For Fully Loaded RUs>

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.

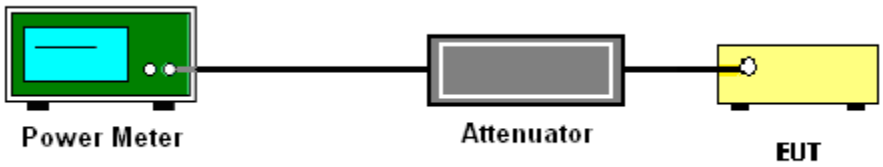
3.2.3 Test Procedures

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

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):

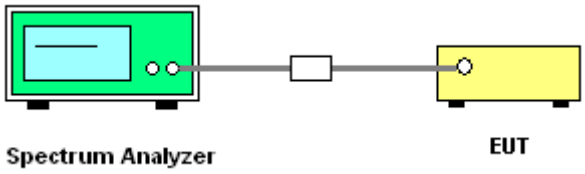
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which 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.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (c): Measure and add 10 log(N_{ANT}) dB.

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

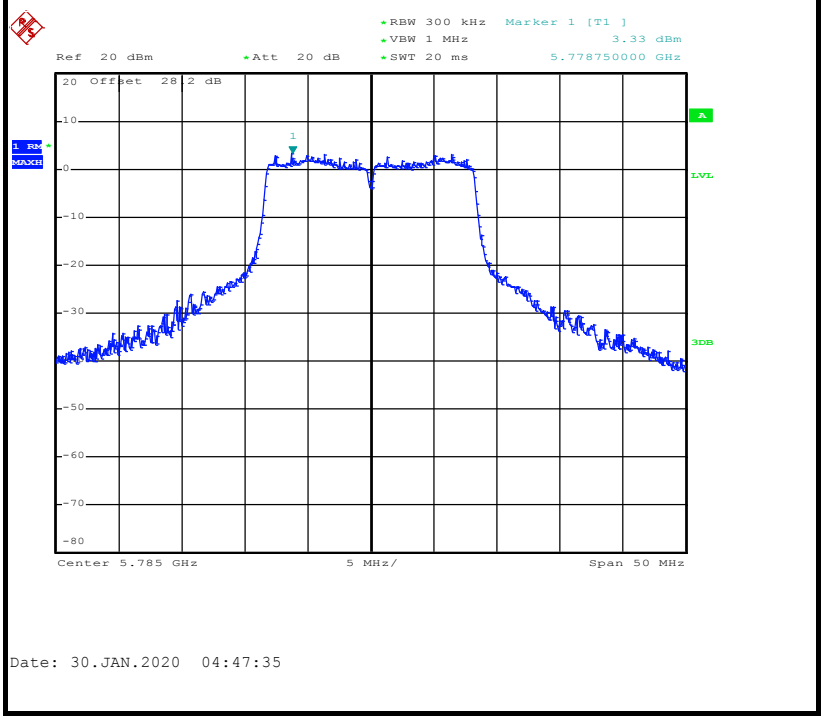
3.3.4 Test Setup



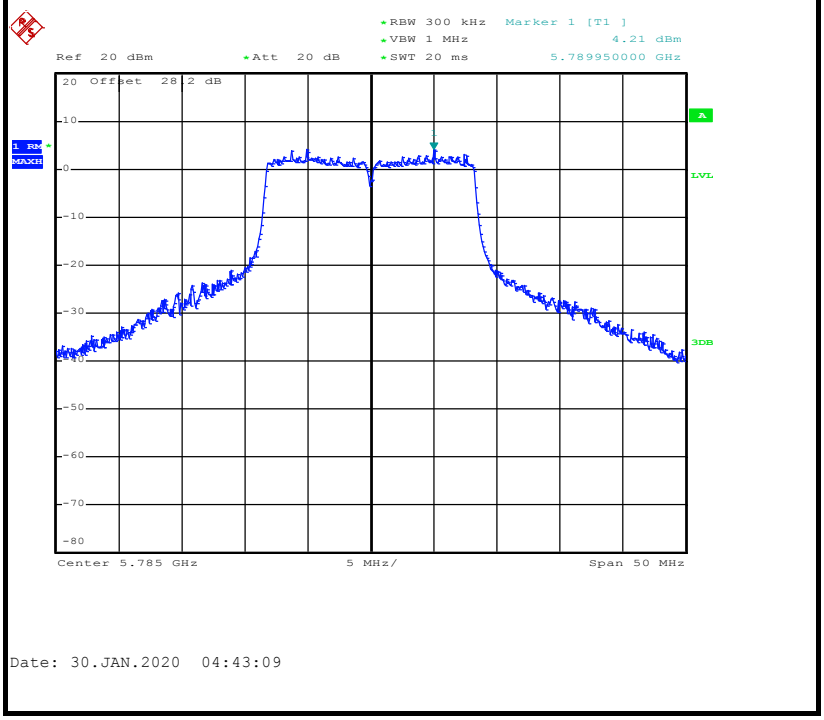
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

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

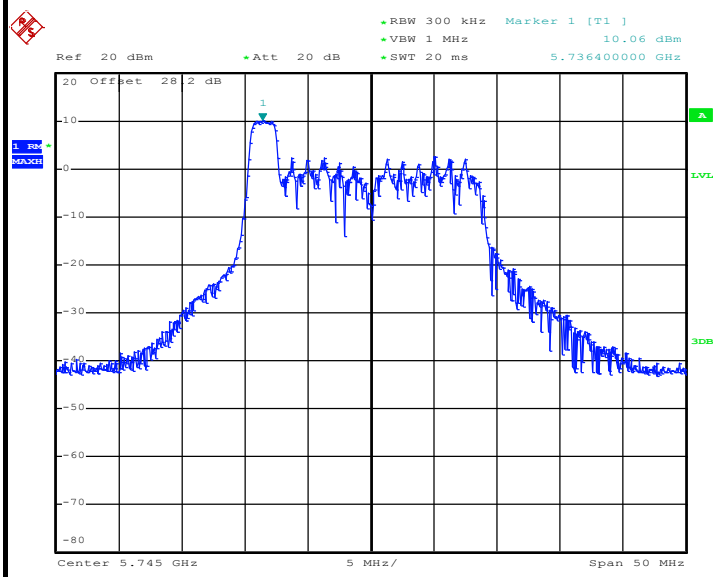


Worst Case Power Density (dBm/MHz) for MIMO Ant. 2

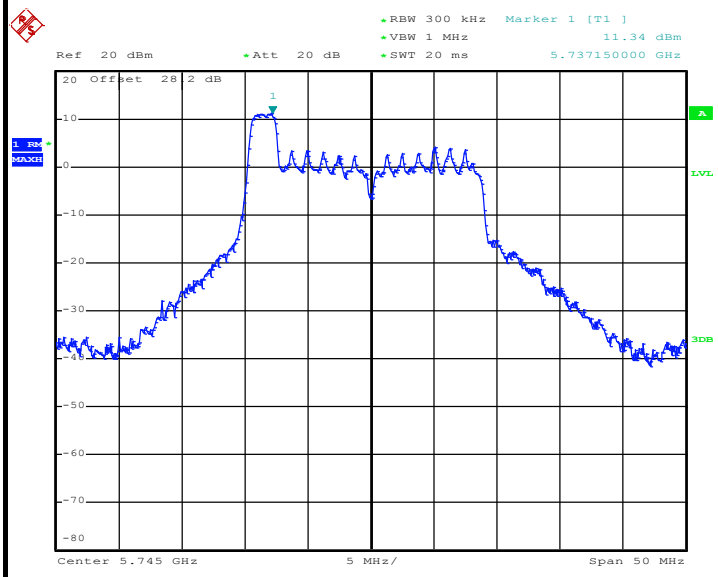


<For Partially Loaded RUs>

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

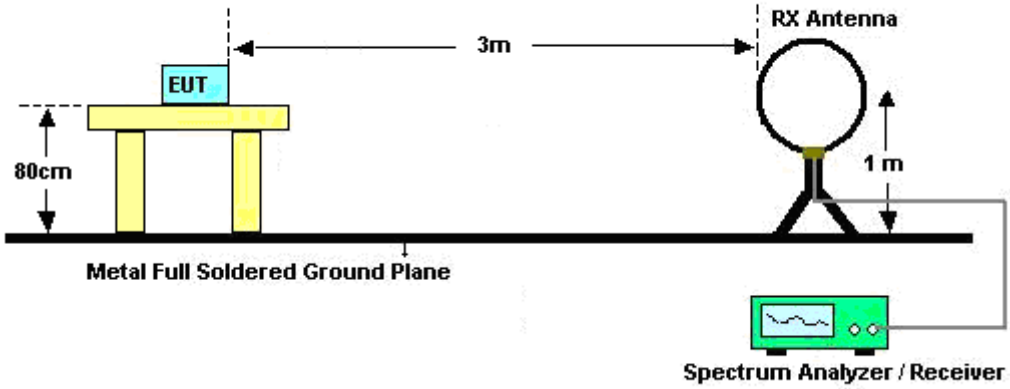
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

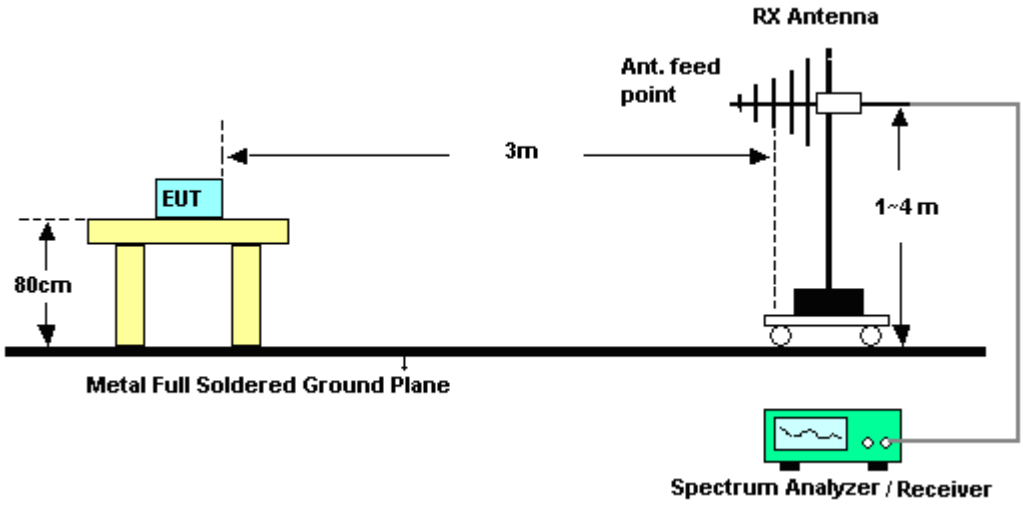
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

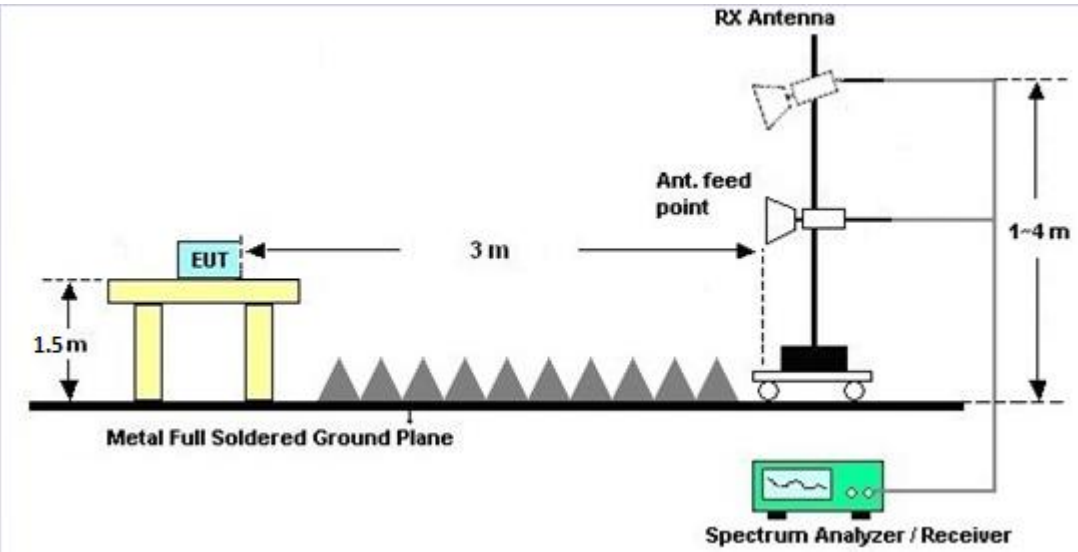
For radiated emissions below 30MHz



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.

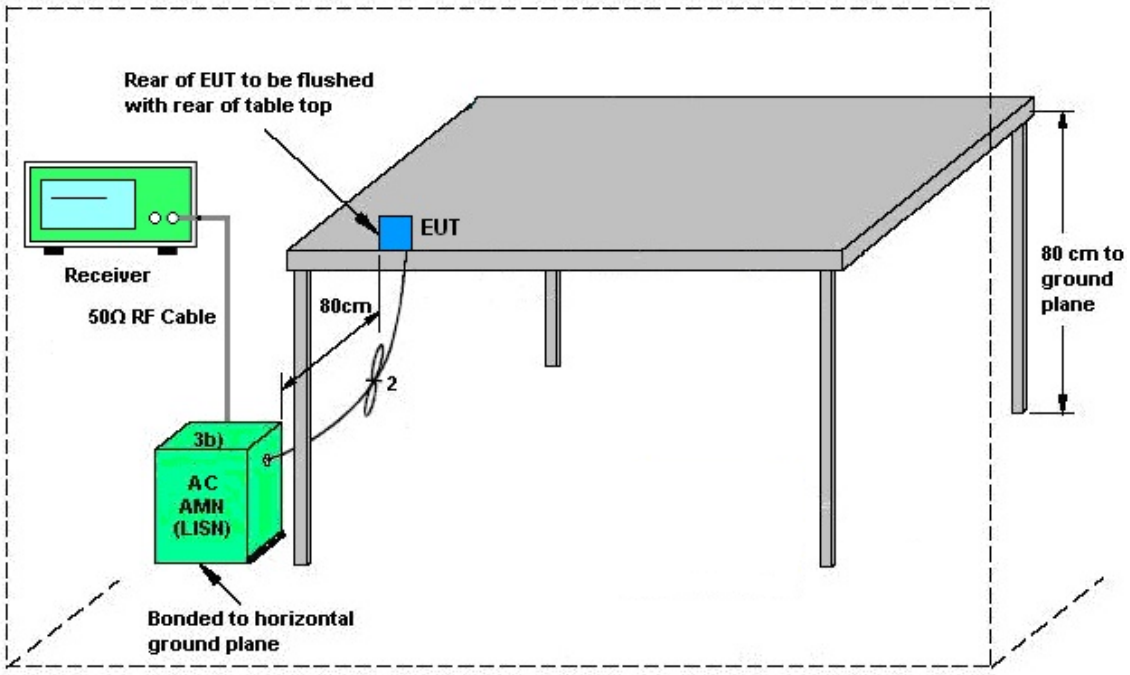
3.5.2 Measuring Instruments

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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 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>

			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)				
Band IV	5.02	6.92	6.92	9.03	0.92	3.03

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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 11, 2019	Dec. 30, 2019~ Jan. 07,.2020	Jan. 10, 2020	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 12, 2019	Dec. 30, 2019~ Jan. 07,.2020	Oct. 11, 2020	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 19, 2019	Dec. 30, 2019~ Jan. 07,.2020	Sep. 18, 2020	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1000MHz	Oct. 01. 2019	Dec. 30, 2019~ Jan. 07,.2020	Sep. 30. 2020	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800054001	1GHz~18GHz	May 19, 2019	Dec. 30, 2019~ Jan. 07,.2020	May 18, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 11, 2019	Dec. 30, 2019~ Jan. 07,.2020	Dec. 10, 2020	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 13, 2019	Dec. 30, 2019~ Jan. 07,.2020	Dec. 12, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY57290111	3Hz~26.5GHz	Dec. 05, 2019	Dec. 30, 2019~ Jan. 07,.2020	Dec. 04, 2020	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	Apr. 29, 2019	Dec. 30, 2019~ Jan. 07,.2020	Apr. 28, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 30, 2019	Dec. 30, 2019~ Jan. 07,.2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 30, 2019	Dec. 30, 2019~ Jan. 07,.2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 30, 2019	Dec. 30, 2019~ Jan. 07,.2020	Aug. 29, 2020	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP161243	N/A	Jun. 17, 2019	Dec. 30, 2019~ Jan. 07,.2020	Jun. 16, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Dec. 30, 2019~ Jan. 07,.2020	N/A	Radiation (03CH16-HY)
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Dec. 24, 2019~ Feb. 05, 2020	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO32	10MHz~6GHz	Dec. 17, 2019	Dec. 24, 2019~ Feb. 05, 2020	Dec. 16, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Aug. 14, 2019	Dec. 24, 2019~ Feb. 05, 2020	Aug. 13, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Dec. 24, 2019~ Feb. 05, 2020	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 26, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Dec. 26, 2019	Nov. 14, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Dec. 26, 2019	Nov. 19, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 26, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Dec. 26, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Dec. 26, 2019	Dec. 30, 2019	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.0**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.7**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.9**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kai Liao	Temperature:	21~25	°C
Test Date:	2019/12/24 ~ 2020/02/05	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	16.85	16.90	27.70	29.30	16.35	16.30	0.5	Pass
11a	6Mbps	2	157	5785	16.85	16.80	28.85	33.10	16.30	16.35	0.5	Pass
11a	6Mbps	2	165	5825	16.85	16.85	32.55	35.85	16.30	16.30	0.5	Pass
HT20	MCS0	2	149	5745	17.95	18.00	30.85	40.50	17.60	17.50	0.5	Pass
HT20	MCS0	2	157	5785	17.90	17.90	35.15	39.85	17.60	17.60	0.5	Pass
HT20	MCS0	2	165	5825	17.90	17.90	40.20	41.25	17.60	17.50	0.5	Pass
HT40	MCS0	2	151	5755	37.00	37.60	50.48	75.35	36.36	36.18	0.5	Pass
HT40	MCS0	2	159	5795	37.20	37.10	65.63	63.12	36.36	36.18	0.5	Pass
VHT80	MCS0	2	155	5775	77.52	78.00	104.80	120.98	76.16	76.16	0.5	Pass

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

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	19.10	19.10	26.30	37.90	18.90	19.00	0.5	Pass
HE20	MCS0	2	149	5745	26/0	18.40	18.50	23.20	25.75	2.00	2.10	0.5	Pass
HE20	MCS0	2	149	5745	52/37	17.40	17.60	24.60	24.80	14.80	15.05	0.5	Pass
HE20	MCS0	2	149	5745	106/53	17.10	17.35	22.70	24.40	13.35	13.20	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.10	19.15	33.25	35.90	18.80	18.95	0.5	Pass
HE20	MCS0	2	157	5785	26/4	17.40	17.25	24.20	25.40	10.00	9.95	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.15	19.15	32.85	33.05	18.90	18.90	0.5	Pass
HE20	MCS0	2	165	5825	26/8	18.45	18.55	25.35	24.70	2.00	2.00	0.5	Pass
HE20	MCS0	2	165	5825	52/40	17.80	18.00	24.70	24.75	15.00	15.10	0.5	Pass
HE20	MCS0	2	165	5825	106/54	17.50	17.20	23.50	24.20	13.30	13.35	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.60	38.80	47.70	57.73	37.98	38.16	0.5	Pass
HE40	MCS0	2	151	5755	242/61	37.90	38.60	46.26	57.24	36.60	37.80	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.60	38.40	48.60	50.04	38.16	38.16	0.5	Pass
HE40	MCS0	2	159	5795	242/62	39.20	38.50	45.90	57.60	37.80	37.26	0.5	Pass
HE80	MCS0	2	155	5775	Full	78.84	79.20	87.68	88.85	77.86	77.52	0.5	Pass
HE80	MCS0	2	155	5775	242/61	78.60	78.60	85.12	86.72	76.59	76.48	0.5	Pass
HE80	MCS0	2	155	5775	242/64	78.96	79.08	87.36	89.60	75.20	76.48	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	16.40	17.00	19.72	29.08		6.92		Pass
11a	6Mbps	2	157	5785	16.90	17.00	19.96	29.08		6.92		Pass
11a	6Mbps	2	165	5825	17.00	16.40	19.72	29.08		6.92		Pass
HT20	MCS0	2	149	5745	16.40	16.90	19.67	29.08		6.92		Pass
HT20	MCS0	2	157	5785	16.70	16.90	19.81	29.08		6.92		Pass
HT20	MCS0	2	165	5825	17.00	16.30	19.67	29.08		6.92		Pass
HT40	MCS0	2	151	5755	16.60	17.00	19.81	29.08		6.92		Pass
HT40	MCS0	2	159	5795	16.80	16.70	19.76	29.08		6.92		Pass
VHT20	MCS0	2	149	5745	16.30	16.90	19.62	29.08		6.92		Pass
VHT20	MCS0	2	157	5785	16.50	16.80	19.66	29.08		6.92		Pass
VHT20	MCS0	2	165	5825	17.00	16.20	19.63	29.08		6.92		Pass
VHT40	MCS0	2	151	5755	16.50	17.00	19.77	29.08		6.92		Pass
VHT40	MCS0	2	159	5795	16.80	16.60	19.71	29.08		6.92		Pass
VHT80	MCS0	2	155	5775	16.60	17.00	19.81	29.08		6.92		Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	16.40	16.90	19.67	29.08		6.92		Pass
HE20	MCS0	2	149	5745	26/0	16.00	16.70	19.37	29.08		6.92		Pass
HE20	MCS0	2	149	5745	52/37	16.20	16.80	19.52	29.08		6.92		Pass
HE20	MCS0	2	149	5745	106/53	15.80	16.60	19.23	29.08		6.92		Pass
HE20	MCS0	2	157	5785	Full	16.70	16.90	19.81	29.08		6.92		Pass
HE20	MCS0	2	157	5785	26/4	16.30	16.60	19.46	29.08		6.92		Pass
HE20	MCS0	2	165	5825	Full	17.00	16.40	19.72	29.08		6.92		Pass
HE20	MCS0	2	165	5825	26/8	16.70	16.00	19.37	29.08		6.92		Pass
HE20	MCS0	2	165	5825	52/40	17.00	16.20	19.63	29.08		6.92		Pass
HE20	MCS0	2	165	5825	106/54	17.00	16.30	19.67	29.08		6.92		Pass
HE40	MCS0	2	151	5755	Full	16.60	17.00	19.81	29.08		6.92		Pass
HE40	MCS0	2	151	5755	242/61	16.60	16.90	19.76	29.08		6.92		Pass
HE40	MCS0	2	159	5795	Full	16.60	17.00	19.81	29.08		6.92		Pass
HE40	MCS0	2	159	5795	242/62	16.80	16.70	19.76	29.08		6.92		Pass
HE80	MCS0	2	155	5775	Full	14.00	14.60	17.32	29.08		6.92		Pass
HE80	MCS0	2	155	5775	242/61	13.90	14.00	16.96	29.08		6.92		Pass
HE80	MCS0	2	155	5775	242/64	13.70	14.40	17.07	29.08		6.92		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		5.07	6.33	9.34	26.97		9.03		Pass
11a	6Mbps	2	157	5785	2.22		5.55	6.43	9.44	26.97		9.03		Pass
11a	6Mbps	2	165	5825	2.22		5.87	6.17	9.18	26.97		9.03		Pass
HT20	MCS0	2	149	5745	2.22		4.88	5.48	8.49	26.97		9.03		Pass
HT20	MCS0	2	157	5785	2.22		5.19	5.49	8.50	26.97		9.03		Pass
HT20	MCS0	2	165	5825	2.22		5.24	5.16	8.25	26.97		9.03		Pass
HT40	MCS0	2	151	5755	2.22		1.99	2.42	5.43	26.97		9.03		Pass
HT40	MCS0	2	159	5795	2.22		2.37	2.96	5.97	26.97		9.03		Pass
VHT80	MCS0	2	155	5775	2.22		-0.36	0.02	3.03	26.97		9.03		Pass

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

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	2.22		4.54	4.90	7.91	26.97		9.03		Pass
HE20	MCS0	2	149	5745	26/0	2.22		12.28	13.56	16.57	26.97		9.03		Pass
HE20	MCS0	2	149	5745	52/37	2.22		11.60	11.89	14.90	26.97		9.03		Pass
HE20	MCS0	2	149	5745	106/53	2.22		8.98	9.23	12.24	26.97		9.03		Pass
HE20	MCS0	2	157	5785	Full	2.22		5.31	5.22	8.32	26.97		9.03		Pass
HE20	MCS0	2	157	5785	26/4	2.22		12.59	12.78	15.79	26.97		9.03		Pass
HE20	MCS0	2	165	5825	Full	2.22		5.22	4.69	8.23	26.97		9.03		Pass
HE20	MCS0	2	165	5825	26/8	2.22		13.14	12.26	16.15	26.97		9.03		Pass
HE20	MCS0	2	165	5825	52/40	2.22		11.97	11.35	14.98	26.97		9.03		Pass
HE20	MCS0	2	165	5825	106/54	2.22		9.76	8.85	12.77	26.97		9.03		Pass
HE40	MCS0	2	151	5755	Full	2.22		1.93	3.31	6.32	26.97		9.03		Pass
HE40	MCS0	2	151	5755	242/61	2.22		4.02	4.52	7.53	26.97		9.03		Pass
HE40	MCS0	2	159	5795	Full	2.22		1.97	2.40	5.41	26.97		9.03		Pass
HE40	MCS0	2	159	5795	242/62	2.22		3.95	3.69	6.96	26.97		9.03		Pass
HE80	MCS0	2	155	5775	Full	2.22		-3.69	-2.47	0.54	26.97		9.03		Pass
HE80	MCS0	2	155	5775	242/61	2.22		0.84	0.97	3.98	26.97		9.03		Pass
HE80	MCS0	2	155	5775	242/64	2.22		0.59	1.14	4.15	26.97		9.03		Pass

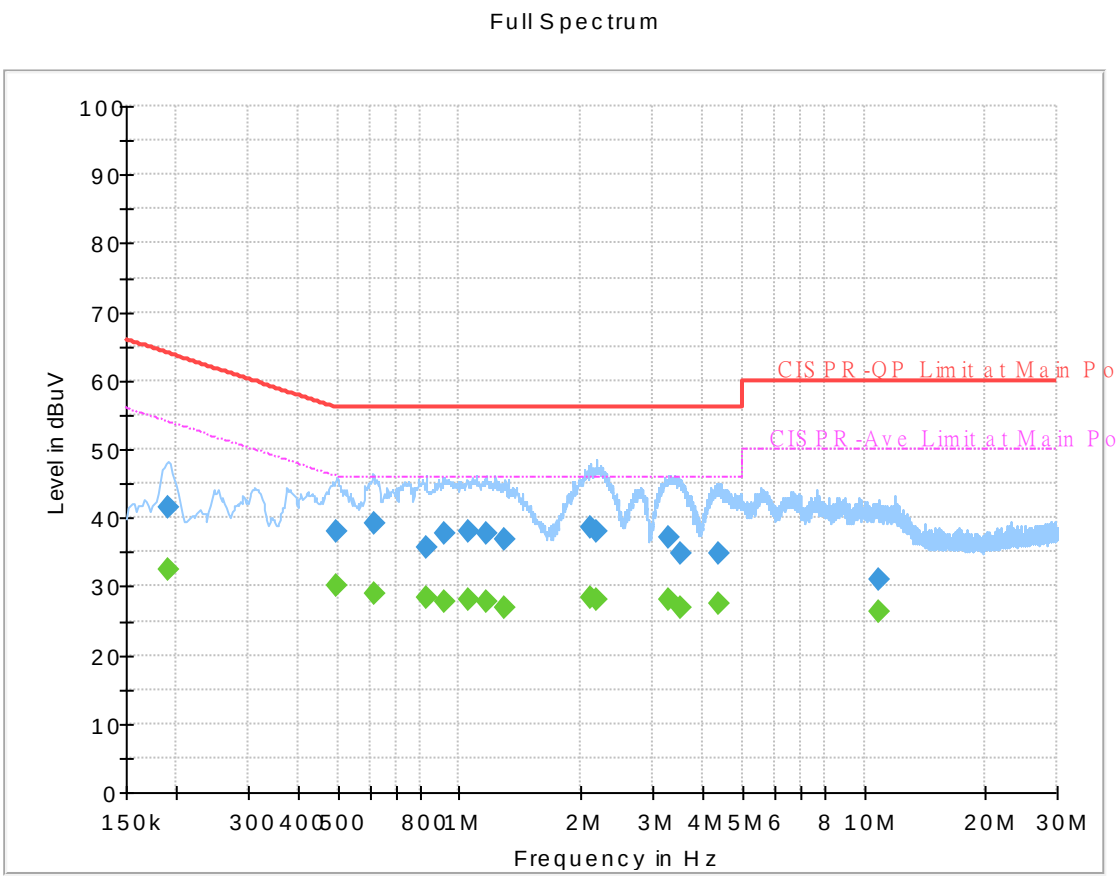
Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	22~25℃
		Relative Humidity :	41~45%

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



Final_Result

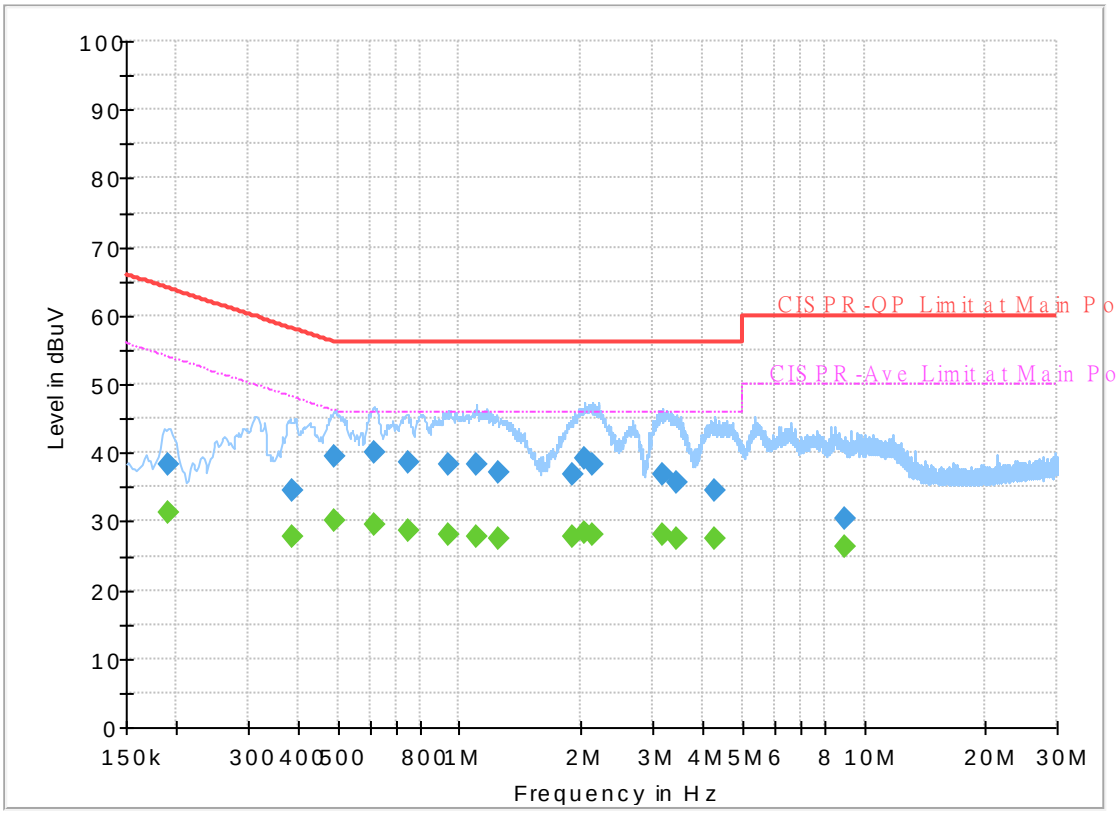
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.189600	---	32.45	54.05	21.60	L1	OFF	19.5
0.189600	41.48	---	64.05	22.57	L1	OFF	19.5
0.498660	---	30.08	46.02	15.94	L1	OFF	19.5
0.498660	37.96	---	56.02	18.06	L1	OFF	19.5
0.615750	---	28.81	46.00	17.19	L1	OFF	19.5
0.615750	39.20	---	56.00	16.80	L1	OFF	19.5
0.828240	---	28.27	46.00	17.73	L1	OFF	19.5
0.828240	35.81	---	56.00	20.19	L1	OFF	19.5
0.920040	---	27.73	46.00	18.27	L1	OFF	19.5
0.920040	37.68	---	56.00	18.32	L1	OFF	19.5
1.050000	---	28.16	46.00	17.84	L1	OFF	19.6
1.050000	38.14	---	56.00	17.86	L1	OFF	19.6
1.164390	---	27.77	46.00	18.23	L1	OFF	19.6
1.164390	37.82	---	56.00	18.18	L1	OFF	19.6
1.293000	---	26.87	46.00	19.13	L1	OFF	19.6
1.293000	36.76	---	56.00	19.24	L1	OFF	19.6
2.112000	---	28.45	46.00	17.55	L1	OFF	19.6
2.112000	38.51	---	56.00	17.49	L1	OFF	19.6
2.184000	---	27.99	46.00	18.01	L1	OFF	19.6
2.184000	38.05	---	56.00	17.95	L1	OFF	19.6
3.287940	---	28.18	46.00	17.82	L1	OFF	19.6

3.287940	**37.28**	**---**	**56.00**	**18.72**	**L1**	**OFF**	**19.6**
3.540750	**---**	**26.96**	**46.00**	**19.04**	**L1**	**OFF**	**19.6**
3.540750	**34.77**	**---**	**56.00**	**21.23**	**L1**	**OFF**	**19.6**
4.374330	**---**	**27.50**	**46.00**	**18.50**	**L1**	**OFF**	**19.7**
4.374330	**34.79**	**---**	**56.00**	**21.21**	**L1**	**OFF**	**19.7**
10.845240	**---**	**26.33**	**50.00**	**23.67**	**L1**	**OFF**	**19.9**
10.845240	**30.95**	**---**	**60.00**	**29.05**	**L1**	**OFF**	**19.9**

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.190770	---	31.19	54.00	22.81	N	OFF	19.5
0.190770	38.29	---	64.00	25.71	N	OFF	19.5
0.386250	---	27.66	48.14	20.48	N	OFF	19.5
0.386250	34.60	---	58.14	23.54	N	OFF	19.5
0.492810	---	30.25	46.12	15.87	N	OFF	19.6
0.492810	39.46	---	56.12	16.66	N	OFF	19.6
0.618000	---	29.41	46.00	16.59	N	OFF	19.6
0.618000	40.08	---	56.00	15.92	N	OFF	19.6
0.747600	---	28.63	46.00	17.37	N	OFF	19.6
0.747600	38.45	---	56.00	17.55	N	OFF	19.6
0.936330	---	28.00	46.00	18.00	N	OFF	19.6
0.936330	38.24	---	56.00	17.76	N	OFF	19.6
1.100850	---	27.75	46.00	18.25	N	OFF	19.6
1.100850	38.41	---	56.00	17.59	N	OFF	19.6
1.243500	---	27.34	46.00	18.66	N	OFF	19.6
1.243500	37.08	---	56.00	18.92	N	OFF	19.6
1.911750	---	27.78	46.00	18.22	N	OFF	19.6
1.911750	36.81	---	56.00	19.19	N	OFF	19.6
2.040270	---	28.31	46.00	17.69	N	OFF	19.6
2.040270	39.09	---	56.00	16.91	N	OFF	19.6
2.123250	---	28.06	46.00	17.94	N	OFF	19.6

2.123250	**38.25**	**---**	**56.00**	**17.75**	**N**	**OFF**	**19.6**
3.175260	**---**	**28.16**	**46.00**	**17.84**	**N**	**OFF**	**19.6**
3.175260	**36.83**	**---**	**56.00**	**19.17**	**N**	**OFF**	**19.6**
3.426180	**---**	**27.44**	**46.00**	**18.56**	**N**	**OFF**	**19.7**
3.426180	**35.74**	**---**	**56.00**	**20.26**	**N**	**OFF**	**19.7**
4.293690	**---**	**27.39**	**46.00**	**18.61**	**N**	**OFF**	**19.7**
4.293690	**34.38**	**---**	**56.00**	**21.62**	**N**	**OFF**	**19.7**
9.006000	**---**	**26.36**	**50.00**	**23.64**	**N**	**OFF**	**19.9**
9.006000	**30.42**	**---**	**60.00**	**29.58**	**N**	**OFF**	**19.9**

Appendix C. Radiated Spurious Emission

Test Engineer :	Jacky Hung, CR Liao and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

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		5630	53.94	-14.26	68.2	38.28	31.7	13.01	29.05	353	193	P	H
		5699.8	56.49	-48.56	105.05	40.6	31.8	13.12	29.03	353	193	P	H
		5719.8	70.56	-40.18	110.74	54.56	31.88	13.15	29.03	353	193	P	H
		5724.4	75.34	-45.49	120.83	59.31	31.9	13.16	29.03	353	193	P	H
	*	5745	109.87	-	-	93.72	31.98	13.19	29.02	353	193	P	H
	*	5745	102.5	-	-	86.35	31.98	13.19	29.02	353	193	A	H
													H
													H
		5611.2	54.56	-13.64	68.2	38.93	31.7	12.98	29.05	262	138	P	V
		5700	64.4	-40.8	105.2	48.51	31.8	13.12	29.03	262	138	P	V
		5719.8	77.4	-33.34	110.74	61.4	31.88	13.15	29.03	262	138	P	V
		5724.2	80.55	-39.83	120.38	64.52	31.9	13.16	29.03	262	138	P	V
	*	5745	116.43	-	-	100.28	31.98	13.19	29.02	262	138	P	V
	*	5745	108.98	-	-	92.83	31.98	13.19	29.02	262	138	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)
		5619.4	54.05	-14.15	68.2	38.41	31.7	12.99	29.05	330	193	P	H
		5686.8	55.26	-40.2	95.46	39.43	31.77	13.1	29.04	330	193	P	H
		5716.4	53.66	-56.13	109.79	37.67	31.87	13.15	29.03	330	193	P	H
		5724.8	53.32	-68.42	121.74	37.29	31.9	13.16	29.03	330	193	P	H
	*	5785	109.74	-	-	93.42	32.07	13.26	29.01	330	193	P	H
	*	5785	102.22	-	-	85.9	32.07	13.26	29.01	330	193	A	H
		5850	55	-67.2	122.2	38.59	32.1	13.31	29	330	193	P	H
		5861	54.71	-54.41	109.12	38.26	32.12	13.32	28.99	330	193	P	H
		5913.4	54.91	-21.85	76.76	38.29	32.25	13.35	28.98	330	193	P	H
		5947.8	55.68	-12.52	68.2	38.89	32.39	13.37	28.97	330	193	P	H
													H
802.11a CH 157 5785MHz													H
		5639.2	54.13	-14.07	68.2	38.46	31.7	13.02	29.05	247	140	P	V
		5692.8	54.51	-45.38	99.89	38.64	31.79	13.11	29.03	247	140	P	V
		5714.8	54.74	-54.61	109.35	38.77	31.86	13.14	29.03	247	140	P	V
		5724.6	54.47	-66.82	121.29	38.44	31.9	13.16	29.03	247	140	P	V
	*	5785	116.94	-	-	100.62	32.07	13.26	29.01	247	140	P	V
	*	5785	109.45	-	-	93.13	32.07	13.26	29.01	247	140	A	V
		5850.6	55.22	-65.61	120.83	38.81	32.1	13.31	29	247	140	P	V
		5855.4	55.31	-55.38	110.69	38.88	32.11	13.31	28.99	247	140	P	V
		5879	56.15	-46.08	102.23	39.65	32.16	13.33	28.99	247	140	P	V
		5930.6	55.15	-13.05	68.2	38.45	32.32	13.36	28.98	247	140	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	109.78	-	-	93.38	32.1	13.3	29	394	191	P	H
	*	5825	102.37	-	-	85.97	32.1	13.3	29	394	191	A	H
		5850	67.57	-54.63	122.2	51.16	32.1	13.31	29	394	191	P	H
		5855.4	63.83	-46.86	110.69	47.4	32.11	13.31	28.99	394	191	P	H
		5883.4	54.89	-44.07	98.96	38.38	32.17	13.33	28.99	394	191	P	H
		5928.8	54.77	-13.43	68.2	38.07	32.32	13.36	28.98	394	191	P	H
													H
802.11a													H
CH 165	*	5825	116.62	-	-	100.22	32.1	13.3	29	251	138	P	V
5825MHz	*	5825	109.14	-	-	92.74	32.1	13.3	29	251	138	A	V
		5850	73.79	-48.41	122.2	57.38	32.1	13.31	29	251	138	P	V
		5855.8	70.55	-40.03	110.58	54.12	32.11	13.31	28.99	251	138	P	V
		5876	57.81	-46.65	104.46	41.32	32.15	13.33	28.99	251	138	P	V
		5949	54.93	-13.27	68.2	38.13	32.4	13.37	28.97	251	138	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	48.4	-25.6	74	48.39	40.1	20.66	60.75	100	0	P	H
		17235	52.13	-16.07	68.2	41.73	40.84	26.48	56.92	100	0	P	H
													H
													H
		11490	48.24	-25.76	74	48.23	40.1	20.66	60.75	100	0	P	V
		17235	50.95	-17.25	68.2	40.55	40.84	26.48	56.92	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	47.29	-26.71	74	47.4	39.89	20.76	60.76	100	0	P	H
		17355	51.2	-17	68.2	39.61	41.38	26.69	56.48	100	0	P	H
													H
													H
		11570	47.45	-26.55	74	47.56	39.89	20.76	60.76	100	0	P	V
		17355	51.3	-16.9	68.2	39.71	41.38	26.69	56.48	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	47.43	-26.57	74	47.73	39.6	20.85	60.75	100	0	P	H
		17475	51.8	-16.4	68.2	38.99	41.97	26.89	56.05	100	0	P	H
													H
													H
		11650	46.87	-27.13	74	47.17	39.6	20.85	60.75	100	0	P	V
		17475	51.91	-16.29	68.2	39.1	41.97	26.89	56.05	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 802.11n HT20 (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)
		5619.8	54	-14.2	68.2	38.36	31.7	12.99	29.05	391	188	P	H
		5696	57.46	-44.79	102.25	41.59	31.79	13.11	29.03	391	188	P	H
		5718.8	72.03	-38.43	110.46	56.03	31.88	13.15	29.03	391	188	P	H
		5722.8	76.85	-40.33	117.18	60.83	31.89	13.16	29.03	391	188	P	H
	*	5745	110.05	-	-	93.9	31.98	13.19	29.02	391	188	P	H
	*	5745	102.02	-	-	85.87	31.98	13.19	29.02	391	188	A	H
802.11n													H
HT20													H
CH 149		5613	54.4	-13.8	68.2	38.77	31.7	12.98	29.05	267	134	P	V
5745MHz		5695.2	61.73	-39.93	101.66	45.86	31.79	13.11	29.03	267	134	P	V
		5719.2	77.91	-32.67	110.58	61.91	31.88	13.15	29.03	267	134	P	V
		5725	81.86	-40.34	122.2	65.83	31.9	13.16	29.03	267	134	P	V
	*	5745	116.55	-	-	100.4	31.98	13.19	29.02	267	134	P	V
	*	5745	108.5	-	-	92.35	31.98	13.19	29.02	267	134	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)
		5610.2	55.04	-13.16	68.2	39.41	31.7	12.98	29.05	400	188	P	H
		5655.2	54.77	-17.29	72.06	39.05	31.71	13.05	29.04	400	188	P	H
		5700.4	53.81	-51.5	105.31	37.92	31.8	13.12	29.03	400	188	P	H
		5723.4	53.71	-64.84	118.55	37.69	31.89	13.16	29.03	400	188	P	H
	*	5785	110.5	-	-	94.18	32.07	13.26	29.01	400	188	P	H
	*	5785	102.47	-	-	86.15	32.07	13.26	29.01	400	188	A	H
		5850.8	53.29	-67.09	120.38	36.88	32.1	13.31	29	400	188	P	H
		5868.4	54.92	-52.13	107.05	38.45	32.14	13.32	28.99	400	188	P	H
		5889.4	54.75	-39.76	94.51	38.23	32.18	13.33	28.99	400	188	P	H
		5941.6	55.49	-12.71	68.2	38.73	32.37	13.36	28.97	400	188	P	H
802.11n													H
HT20													H
CH 157		5601.6	54.28	-13.92	68.2	38.68	31.7	12.96	29.06	245	131	P	V
5785MHz		5685.8	54.63	-40.09	94.72	38.8	31.77	13.1	29.04	245	131	P	V
		5719.2	53.9	-56.68	110.58	37.9	31.88	13.15	29.03	245	131	P	V
		5724	53.89	-66.03	119.92	37.86	31.9	13.16	29.03	245	131	P	V
	*	5785	117.53	-	-	101.21	32.07	13.26	29.01	245	131	P	V
	*	5785	108.99	-	-	92.67	32.07	13.26	29.01	245	131	A	V
		5850.4	53.61	-67.68	121.29	37.2	32.1	13.31	29	245	131	P	V
		5859.6	54.89	-54.62	109.51	38.44	32.12	13.32	28.99	245	131	P	V
		5911.6	55.32	-22.77	78.09	38.7	32.25	13.35	28.98	245	131	P	V
		5946.2	54.97	-13.23	68.2	38.19	32.38	13.37	28.97	245	131	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	110.67	-	-	94.27	32.1	13.3	29	396	190	P	H
	*	5825	102.58	-	-	86.18	32.1	13.3	29	396	190	A	H
		5852.4	69.89	-46.84	116.73	53.48	32.1	13.31	29	396	190	P	H
		5855.4	70.58	-40.11	110.69	54.15	32.11	13.31	28.99	396	190	P	H
		5906.6	56.15	-25.63	81.78	39.56	32.23	13.34	28.98	396	190	P	H
		5938.4	55.3	-12.9	68.2	38.56	32.35	13.36	28.97	396	190	P	H
802.11n													H
HT20													H
CH 165	*	5825	117.34	-	-	100.94	32.1	13.3	29	253	134	P	V
5825MHz	*	5825	109.02	-	-	92.62	32.1	13.3	29	253	134	A	V
		5850	77.17	-45.03	122.2	60.76	32.1	13.31	29	253	134	P	V
		5856.4	73.49	-36.92	110.41	57.06	32.11	13.31	28.99	253	134	P	V
		5876.2	60.9	-43.41	104.31	44.41	32.15	13.33	28.99	253	134	P	V
		5942.6	55.53	-12.67	68.2	38.76	32.37	13.37	28.97	253	134	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	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	46.77	-27.23	74	46.76	40.1	20.66	60.75	100	0	P	H
		17235	50.73	-17.47	68.2	40.33	40.84	26.48	56.92	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	46.77	-27.23	74	46.76	40.1	20.66	60.75	100	0	P	V
5745MHz		17235	51.89	-16.31	68.2	41.49	40.84	26.48	56.92	100	0	P	V
													V
													V
		11570	46.92	-27.08	74	47.03	39.89	20.76	60.76	100	0	P	H
		17355	50.52	-17.68	68.2	38.93	41.38	26.69	56.48	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	47.09	-26.91	74	47.2	39.89	20.76	60.76	100	0	P	V
5785MHz		17355	51.61	-16.59	68.2	40.02	41.38	26.69	56.48	100	0	P	V
													V
													V
		11650	47.45	-26.55	74	47.75	39.6	20.85	60.75	100	0	P	H
		17475	51.78	-16.42	68.2	38.97	41.97	26.89	56.05	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	46.78	-27.22	74	47.08	39.6	20.85	60.75	100	0	P	V
5825MHz		17475	51.66	-16.54	68.2	38.85	41.97	26.89	56.05	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 802.11n HT40 (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)
		5630.6	55.05	-13.15	68.2	39.39	31.7	13.01	29.05	400	189	P	H
		5695.8	63.67	-38.43	102.1	47.8	31.79	13.11	29.03	400	189	P	H
		5716.4	74.08	-35.71	109.79	58.09	31.87	13.15	29.03	400	189	P	H
		5721.6	75.26	-39.19	114.45	59.25	31.89	13.15	29.03	400	189	P	H
	*	5755	107.88	-	-	91.68	32.01	13.21	29.02	400	189	P	H
	*	5755	99.49	-	-	83.29	32.01	13.21	29.02	400	189	A	H
		5851.6	55.09	-63.46	118.55	38.68	32.1	13.31	29	400	189	P	H
		5867.4	54.62	-52.71	107.33	38.16	32.13	13.32	28.99	400	189	P	H
		5899.6	55.16	-31.8	86.96	38.6	32.2	13.34	28.98	400	189	P	H
		5943.6	55.07	-13.13	68.2	38.3	32.37	13.37	28.97	400	189	P	H
802.11n													H
HT40													H
CH 151		5638.6	55.58	-12.62	68.2	39.91	31.7	13.02	29.05	241	133	P	V
5755MHz		5700	69.58	-35.62	105.2	53.69	31.8	13.12	29.03	241	133	P	V
		5715	82.75	-26.65	109.4	66.78	31.86	13.14	29.03	241	133	P	V
		5720.2	85.58	-25.68	111.26	69.58	31.88	13.15	29.03	241	133	P	V
	*	5755	114.03	-	-	97.83	32.01	13.21	29.02	241	133	P	V
	*	5755	105.79	-	-	89.59	32.01	13.21	29.02	241	133	A	V
		5852	56.65	-60.99	117.64	40.24	32.1	13.31	29	241	133	P	V
		5856	56.89	-53.63	110.52	40.46	32.11	13.31	28.99	241	133	P	V
		5908.4	54.87	-25.58	80.45	38.27	32.23	13.35	28.98	241	133	P	V
		5926.6	55.21	-12.99	68.2	38.52	32.31	13.36	28.98	241	133	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)
		5611	54.07	-14.13	68.2	38.44	31.7	12.98	29.05	400	189	P	H
		5674.2	53.99	-32.16	86.15	38.2	31.75	13.08	29.04	400	189	P	H
		5717.4	57.18	-52.89	110.07	41.19	31.87	13.15	29.03	400	189	P	H
		5720.6	58.34	-53.83	112.17	42.34	31.88	13.15	29.03	400	189	P	H
	*	5795	107.92	-	-	91.57	32.09	13.27	29.01	400	189	P	H
	*	5795	99.75	-	-	83.4	32.09	13.27	29.01	400	189	A	H
		5850	61.25	-60.95	122.2	44.84	32.1	13.31	29	400	189	P	H
		5855.2	58.29	-52.45	110.74	41.86	32.11	13.31	28.99	400	189	P	H
		5917.8	55.65	-17.86	73.51	39.01	32.27	13.35	28.98	400	189	P	H
		5936.2	54.65	-13.55	68.2	37.93	32.34	13.36	28.98	400	189	P	H
802.11n													H
HT40													H
CH 159		5647.8	54.37	-13.83	68.2	38.67	31.7	13.04	29.04	246	134	P	V
5795MHz		5692.6	56.88	-42.86	99.74	41.01	31.79	13.11	29.03	246	134	P	V
		5710.8	64.15	-44.08	108.23	48.2	31.84	13.14	29.03	246	134	P	V
		5724	66.64	-53.28	119.92	50.61	31.9	13.16	29.03	246	134	P	V
	*	5795	113.89	-	-	97.54	32.09	13.27	29.01	246	134	P	V
	*	5795	106.02	-	-	89.67	32.09	13.27	29.01	246	134	A	V
		5852.4	68.68	-48.05	116.73	52.27	32.1	13.31	29	246	134	P	V
		5855.6	68.91	-41.72	110.63	52.48	32.11	13.31	28.99	246	134	P	V
		5875	61.98	-43.22	105.2	45.5	32.15	13.32	28.99	246	134	P	V
		5934.2	55.26	-12.94	68.2	38.54	32.34	13.36	28.98	246	134	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (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	47.31	-26.69	74	47.3	40.07	20.7	60.76	100	0	P	H
		17265	50.95	-17.25	68.2	40.27	40.96	26.53	56.81	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	47.15	-26.85	74	47.14	40.07	20.7	60.76	100	0	P	V
5755MHz		17265	51.7	-16.5	68.2	41.02	40.96	26.53	56.81	100	0	P	V
													V
													V
		11590	47.24	-26.76	74	47.39	39.83	20.78	60.76	100	0	P	H
		17385	51.69	-16.51	68.2	39.81	41.52	26.74	56.38	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	47.43	-26.57	74	47.58	39.83	20.78	60.76	100	0	P	V
5795MHz		17385	51.65	-16.55	68.2	39.77	41.52	26.74	56.38	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 802.11ac VHT80 (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)
		5645.2	58.79	-9.41	68.2	43.11	31.7	13.03	29.05	400	188	P	H
		5692	70.38	-28.92	99.3	54.52	31.78	13.11	29.03	400	188	P	H
		5718.2	71.81	-38.49	110.3	55.82	31.87	13.15	29.03	400	188	P	H
		5721	74.19	-38.89	113.08	58.19	31.88	13.15	29.03	400	188	P	H
	*	5775	104.45	-	-	88.17	32.05	13.24	29.01	400	188	P	H
	*	5775	95.96	-	-	79.68	32.05	13.24	29.01	400	188	A	H
		5852.2	69.18	-48	117.18	52.77	32.1	13.31	29	400	188	P	H
		5856.4	69.26	-41.15	110.41	52.83	32.11	13.31	28.99	400	188	P	H
		5877.4	60.87	-42.55	103.42	44.38	32.15	13.33	28.99	400	188	P	H
		5940.6	55.37	-12.83	68.2	38.62	32.36	13.36	28.97	400	188	P	H
802.11ac													H
VHT80													H
CH 155		5646.2	65.27	-2.93	68.2	49.58	31.7	13.03	29.04	245	132	P	V
5775MHz		5700	75.88	-29.32	105.2	59.99	31.8	13.12	29.03	245	132	P	V
		5712.8	82.84	-25.95	108.79	66.88	31.85	13.14	29.03	245	132	P	V
		5724.4	80.09	-40.74	120.83	64.06	31.9	13.16	29.03	245	132	P	V
	*	5775	111.53	-	-	95.25	32.05	13.24	29.01	245	132	P	V
	*	5775	102.53	-	-	86.25	32.05	13.24	29.01	245	132	A	V
		5850.2	78.31	-43.43	121.74	61.9	32.1	13.31	29	245	132	P	V
		5857.8	74.31	-35.7	110.01	57.87	32.12	13.31	28.99	245	132	P	V
		5876.4	68.96	-35.2	104.16	52.47	32.15	13.33	28.99	245	132	P	V
		5936.4	57.8	-10.4	68.2	41.07	32.35	13.36	28.98	245	132	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (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	47.7	-26.3	74	47.77	39.95	20.74	60.76	100	0	P	H
		17325	51.71	-16.49	68.2	40.44	41.22	26.64	56.59	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.93	-27.07	74	47	39.95	20.74	60.76	100	0	P	V
5775MHz		17325	50.57	-17.63	68.2	39.3	41.22	26.64	56.59	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	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)
		5608	53.63	-14.57	68.2	38.01	31.7	12.97	29.05	392	190	P	H
		5699.2	56.81	-47.8	104.61	40.92	31.8	13.12	29.03	392	190	P	H
		5719.6	68.13	-42.56	110.69	52.13	31.88	13.15	29.03	392	190	P	H
		5723.4	72.38	-46.17	118.55	56.36	31.89	13.16	29.03	392	190	P	H
	*	5745	112.48	-	-	96.33	31.98	13.19	29.02	392	190	P	H
	*	5745	101.53	-	-	85.38	31.98	13.19	29.02	392	190	A	H
802.11ax													H
HE20 Full													H
CH 149		5610.2	53.54	-14.66	68.2	37.91	31.7	12.98	29.05	242	134	P	V
5745MHz		5700	62.23	-42.97	105.2	46.34	31.8	13.12	29.03	242	134	P	V
		5718.4	79.47	-30.88	110.35	63.48	31.87	13.15	29.03	242	134	P	V
		5725	79.78	-42.42	122.2	63.75	31.9	13.16	29.03	242	134	P	V
	*	5745	119.51	-	-	103.36	31.98	13.19	29.02	242	134	P	V
	*	5745	108.59	-	-	92.44	31.98	13.19	29.02	242	134	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)
		5643	54.16	-14.04	68.2	38.48	31.7	13.03	29.05	400	190	P	H
		5688.4	55.14	-41.5	96.64	39.29	31.78	13.1	29.03	400	190	P	H
		5706.8	54.62	-52.49	107.11	38.69	31.83	13.13	29.03	400	190	P	H
		5720.8	53.75	-58.87	112.62	37.75	31.88	13.15	29.03	400	190	P	H
	*	5785	113.48	-	-	97.16	32.07	13.26	29.01	400	190	P	H
	*	5785	103.11	-	-	86.79	32.07	13.26	29.01	400	190	A	H
		5850.8	53.79	-66.59	120.38	37.38	32.1	13.31	29	400	190	P	H
		5856.8	54.06	-56.24	110.3	37.63	32.11	13.31	28.99	400	190	P	H
		5911	55.35	-23.18	78.53	38.74	32.24	13.35	28.98	400	190	P	H
		5947.4	55.09	-13.11	68.2	38.3	32.39	13.37	28.97	400	190	P	H
802.11ax													H
HE20 Full													H
CH 157		5601.8	54.16	-14.04	68.2	38.56	31.7	12.96	29.06	241	133	P	V
5785MHz		5696.8	55.14	-47.7	102.84	39.27	31.79	13.11	29.03	241	133	P	V
		5700.6	54.81	-50.56	105.37	38.92	31.8	13.12	29.03	241	133	P	V
		5724.4	59.31	-61.52	120.83	43.28	31.9	13.16	29.03	241	133	P	V
	*	5785	119.6	-	-	103.28	32.07	13.26	29.01	241	133	P	V
	*	5785	109.67	-	-	93.35	32.07	13.26	29.01	241	133	A	V
		5852.6	53.75	-62.52	116.27	37.33	32.11	13.31	29	241	133	P	V
		5874.6	54.58	-50.73	105.31	38.1	32.15	13.32	28.99	241	133	P	V
		5921	55.85	-15.3	71.15	39.2	32.28	13.35	28.98	241	133	P	V
		5931.4	55.95	-12.25	68.2	39.24	32.33	13.36	28.98	241	133	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 165 5825MHz	*	5825	113.18	-	-	96.78	32.1	13.3	29	397	190	P	H
	*	5825	102.84	-	-	86.44	32.1	13.3	29	397	190	A	H
		5850.6	69.61	-51.22	120.83	53.2	32.1	13.31	29	397	190	P	H
		5855.2	65.14	-45.6	110.74	48.71	32.11	13.31	28.99	397	190	P	H
		5895.4	54.65	-35.42	90.07	38.11	32.19	13.34	28.99	397	190	P	H
		5935.4	55.88	-12.32	68.2	39.16	32.34	13.36	28.98	397	190	P	H
													H
													H
	*	5825	119.9	-	-	103.5	32.1	13.3	29	264	134	P	V
	*	5825	109.31	-	-	92.91	32.1	13.3	29	264	134	A	V
		5850	79.66	-42.54	122.2	63.25	32.1	13.31	29	264	134	P	V
		5856.8	74.32	-35.98	110.3	57.89	32.11	13.31	28.99	264	134	P	V
		5876.4	60.05	-44.11	104.16	43.56	32.15	13.33	28.99	264	134	P	V
		5942.2	55.33	-12.87	68.2	38.56	32.37	13.37	28.97	264	134	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 802.11ax 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	47.64	-26.36	74	47.63	40.1	20.66	60.75	100	0	P	H
		17235	50.58	-17.62	68.2	40.18	40.84	26.48	56.92	100	0	P	H
802.11ax													H
HE20 Full													H
CH 149		11490	47.8	-26.2	74	47.79	40.1	20.66	60.75	100	0	P	V
5745MHz		17235	50.23	-17.97	68.2	39.83	40.84	26.48	56.92	100	0	P	V
													V
													V
		11570	47.65	-26.35	74	47.76	39.89	20.76	60.76	100	0	P	H
		17355	50.75	-17.45	68.2	39.16	41.38	26.69	56.48	100	0	P	H
802.11ax													H
HE20 Full													H
CH 157		11570	47.33	-26.67	74	47.44	39.89	20.76	60.76	100	0	P	V
5785MHz		17355	52.07	-16.13	68.2	40.48	41.38	26.69	56.48	100	0	P	V
													V
													V
		11650	47.23	-26.77	74	47.53	39.6	20.85	60.75	100	0	P	H
		17475	51.54	-16.66	68.2	38.73	41.97	26.89	56.05	100	0	P	H
802.11ax													H
HE20 Full													H
CH 165		11650	47.63	-26.37	74	47.93	39.6	20.85	60.75	100	0	P	V
5825MHz		17475	51.34	-16.86	68.2	38.53	41.97	26.89	56.05	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		5635.6	55.07	-13.13	68.2	39.4	31.7	13.02	29.05	337	191	P	H
		5699.8	59.77	-45.28	105.05	43.88	31.8	13.12	29.03	337	191	P	H
		5719.8	68.47	-42.27	110.74	52.47	31.88	13.15	29.03	337	191	P	H
		5725	71.87	-50.33	122.2	55.84	31.9	13.16	29.03	337	191	P	H
	*	5745	119.23	-	-	103.08	31.98	13.19	29.02	337	191	P	H
	*	5745	110.26	-	-	94.11	31.98	13.19	29.02	337	191	A	H
													H
													H
		5641	55.46	-12.74	68.2	39.78	31.7	13.03	29.05	240	135	P	V
		5699.6	64.58	-40.33	104.91	48.69	31.8	13.12	29.03	240	135	P	V
		5720	75.02	-35.78	110.8	59.02	31.88	13.15	29.03	240	135	P	V
		5725	80.13	-42.07	122.2	64.1	31.9	13.16	29.03	240	135	P	V
	*	5745	126.86	-	-	110.71	31.98	13.19	29.02	240	135	P	V
	*	5745	117.2	-	-	101.05	31.98	13.19	29.02	240	135	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)
		5601.8	55.07	-13.13	68.2	39.47	31.7	12.96	29.06	343	190	P	H
		5699.8	54.55	-50.5	105.05	38.66	31.8	13.12	29.03	343	190	P	H
		5704.4	54.65	-51.78	106.43	38.73	31.82	13.13	29.03	343	190	P	H
		5721.8	53.48	-61.42	114.9	37.47	31.89	13.15	29.03	343	190	P	H
	*	5785	118.58	-	-	102.26	32.07	13.26	29.01	343	190	P	H
	*	5785	109.25	-	-	92.93	32.07	13.26	29.01	343	190	A	H
		5852.6	54.69	-61.58	116.27	38.27	32.11	13.31	29	343	190	P	H
		5858.4	56.11	-53.74	109.85	39.66	32.12	13.32	28.99	343	190	P	H
		5907	55.48	-26	81.48	38.89	32.23	13.34	28.98	343	190	P	H
		5948	55.9	-12.3	68.2	39.11	32.39	13.37	28.97	343	190	P	H
802.11ax HE20 Partial 26/4 CH 157 5785MHz													H
													H
		5640.6	54.92	-13.28	68.2	39.25	31.7	13.02	29.05	241	132	P	V
		5688.2	54.89	-41.61	96.5	39.04	31.78	13.1	29.03	241	132	P	V
		5716.4	55.66	-54.13	109.79	39.67	31.87	13.15	29.03	241	132	P	V
		5725	58.44	-63.76	122.2	42.41	31.9	13.16	29.03	241	132	P	V
	*	5785	124.67	-	-	108.35	32.07	13.26	29.01	241	132	P	V
	*	5785	115.71	-	-	99.39	32.07	13.26	29.01	241	132	A	V
		5852.8	54.4	-61.42	115.82	37.98	32.11	13.31	29	241	132	P	V
		5858.2	54.97	-54.93	109.9	38.53	32.12	13.31	28.99	241	132	P	V
		5924	55.7	-13.24	68.94	39.03	32.3	13.35	28.98	241	132	P	V
		5947.8	55.54	-12.66	68.2	38.75	32.39	13.37	28.97	241	132	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	118.62	-	-	102.22	32.1	13.3	29	342	192	P	H
	*	5825	110.07	-	-	93.67	32.1	13.3	29	342	192	A	H
		5853.4	68.16	-46.29	114.45	51.74	32.11	13.31	29	342	192	P	H
		5855.4	65.29	-45.4	110.69	48.86	32.11	13.31	28.99	342	192	P	H
		5908	55.97	-24.77	80.74	39.38	32.23	13.34	28.98	342	192	P	H
		5949	55.52	-12.68	68.2	38.72	32.4	13.37	28.97	342	192	P	H
													H
													H
	*	5825	124.79	-	-	108.39	32.1	13.3	29	248	135	P	V
	*	5825	116.97	-	-	100.57	32.1	13.3	29	248	135	A	V
		5851	75.07	-44.85	119.92	58.66	32.1	13.31	29	248	135	P	V
		5855.4	72.7	-37.99	110.69	56.27	32.11	13.31	28.99	248	135	P	V
		5881.2	57.53	-43.06	100.59	41.03	32.16	13.33	28.99	248	135	P	V
		5930.4	55.46	-12.74	68.2	38.76	32.32	13.36	28.98	248	135	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	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		11490	48.56	-25.44	74	48.55	40.1	20.66	60.75	100	0	P	H
		17235	51.6	-16.6	68.2	41.2	40.84	26.48	56.92	100	0	P	H
													H
													H
		11490	47.58	-26.42	74	47.57	40.1	20.66	60.75	100	0	P	V
		17235	50.92	-17.28	68.2	40.52	40.84	26.48	56.92	100	0	P	V
													V
													V
802.11ax HE20 Partial 26/4 CH 157 5785MHz		11570	48.74	-25.26	74	48.85	39.89	20.76	60.76	100	0	P	H
		17355	51.57	-16.63	68.2	39.98	41.38	26.69	56.48	100	0	P	H
													H
													H
		11570	47.75	-26.25	74	47.86	39.89	20.76	60.76	100	0	P	V
		17355	51.74	-16.46	68.2	40.15	41.38	26.69	56.48	100	0	P	V
													V
													V
802.11ax HE20 Partial 26/8 CH 165 5825MHz		11650	47.68	-26.32	74	47.98	39.6	20.85	60.75	100	0	P	H
		17475	52.98	-15.22	68.2	40.17	41.97	26.89	56.05	100	0	P	H
													H
													H
		11650	47.15	-26.85	74	47.45	39.6	20.85	60.75	100	0	P	V
		17475	51.74	-16.46	68.2	38.93	41.97	26.89	56.05	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 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)
		5615.6	54.12	-14.08	68.2	38.49	31.7	12.98	29.05	352	183	P	H
		5699.8	58.34	-46.71	105.05	42.45	31.8	13.12	29.03	352	183	P	H
		5719.8	71.58	-39.16	110.74	55.58	31.88	13.15	29.03	352	183	P	H
		5724.6	72.63	-48.66	121.29	56.6	31.9	13.16	29.03	352	183	P	H
	*	5745	117.3	-	-	101.15	31.98	13.19	29.02	352	183	P	H
802.11ax	*	5745	108.58	-	-	92.43	31.98	13.19	29.02	352	183	A	H
HE20													H
Partial													H
52/37		5636.6	55.62	-12.58	68.2	39.95	31.7	13.02	29.05	252	125	P	V
CH 149		5698.8	64.1	-40.22	104.32	48.21	31.8	13.12	29.03	252	125	P	V
5745MHz		5719.8	78.14	-32.6	110.74	62.14	31.88	13.15	29.03	252	125	P	V
		5725	79.17	-43.03	122.2	63.14	31.9	13.16	29.03	252	125	P	V
	*	5745	124.29	-	-	108.14	31.98	13.19	29.02	252	125	P	V
	*	5745	114.73	-	-	98.58	31.98	13.19	29.02	252	125	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	116.48	-	-	100.08	32.1	13.3	29	354	192	P	H
	*	5825	108.33	-	-	91.93	32.1	13.3	29	354	192	A	H
		5850.2	72.83	-48.91	121.74	56.42	32.1	13.31	29	354	192	P	H
		5859.8	65.67	-43.78	109.45	49.22	32.12	13.32	28.99	354	192	P	H
		5904.2	55.71	-27.84	83.55	39.13	32.22	13.34	28.98	354	192	P	H
802.11ax		5930.8	55.27	-12.93	68.2	38.57	32.32	13.36	28.98	354	192	P	H
HE20													H
Partial													H
52/40	*	5825	123.56	-	-	107.16	32.1	13.3	29	249	136	P	V
CH 165	*	5825	115.78	-	-	99.38	32.1	13.3	29	249	136	A	V
5825MHz		5850.2	79.51	-42.23	121.74	63.1	32.1	13.31	29	249	136	P	V
		5860.2	72.31	-37.03	109.34	55.86	32.12	13.32	28.99	249	136	P	V
		5892.2	62.71	-29.73	92.44	46.18	32.18	13.34	28.99	249	136	P	V
		5930.6	56.1	-12.1	68.2	39.4	32.32	13.36	28.98	249	136	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 (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	48.03	-25.97	74	48.02	40.1	20.66	60.75	100	0	P	H
802.11ax		17235	51.25	-16.95	68.2	40.85	40.84	26.48	56.92	100	0	P	H
HE20													H
Partial													H
52/37		11490	47.47	-26.53	74	47.46	40.1	20.66	60.75	100	0	P	V
CH 149		17235	50.85	-17.35	68.2	40.45	40.84	26.48	56.92	100	0	P	V
5745MHz													V
													V
		11650	48.05	-25.95	74	48.35	39.6	20.85	60.75	100	0	P	H
802.11ax		17475	52.11	-16.09	68.2	39.3	41.97	26.89	56.05	100	0	P	H
HE20													H
Partial													H
52/40		11650	48.17	-25.83	74	48.47	39.6	20.85	60.75	100	0	P	V
CH 165		17475	52.2	-16	68.2	39.39	41.97	26.89	56.05	100	0	P	V
5825MHz													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)
		5620.4	53.64	-14.56	68.2	38	31.7	12.99	29.05	352	187	P	H
		5679.6	55	-35.14	90.14	39.19	31.76	13.09	29.04	352	187	P	H
		5719.4	65.91	-44.72	110.63	49.91	31.88	13.15	29.03	352	187	P	H
		5720.2	67.04	-44.22	111.26	51.04	31.88	13.15	29.03	352	187	P	H
	*	5745	115.06	-	-	98.91	31.98	13.19	29.02	352	187	P	H
802.11ax	*	5745	106.74	-	-	90.59	31.98	13.19	29.02	352	187	A	H
HE20													H
Partial													H
106/53		5647	55.07	-13.13	68.2	39.37	31.7	13.04	29.04	256	133	P	V
CH 149		5677.6	56.41	-32.25	88.66	40.61	31.76	13.08	29.04	256	133	P	V
5745MHz		5719.4	71.25	-39.38	110.63	55.25	31.88	13.15	29.03	256	133	P	V
		5723.6	74.05	-44.96	119.01	58.03	31.89	13.16	29.03	256	133	P	V
	*	5745	122.98	-	-	106.83	31.98	13.19	29.02	256	133	P	V
	*	5745	113.14	-	-	96.99	31.98	13.19	29.02	256	133	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	115.82	-	-	99.42	32.1	13.3	29	340	189	P	H
	*	5825	107.33	-	-	90.93	32.1	13.3	29	340	189	A	H
		5850.4	67.55	-53.74	121.29	51.14	32.1	13.31	29	340	189	P	H
		5855.2	62.31	-48.43	110.74	45.88	32.11	13.31	28.99	340	189	P	H
		5909	54.65	-25.36	80.01	38.04	32.24	13.35	28.98	340	189	P	H
802.11ax		5944	55.33	-12.87	68.2	38.55	32.38	13.37	28.97	340	189	P	H
HE20													H
Partial													H
106/54	*	5825	122.6	-	-	106.2	32.1	13.3	29	250	134	P	V
CH 165	*	5825	114.82	-	-	98.42	32.1	13.3	29	250	134	A	V
5825MHz		5850.2	73.93	-47.81	121.74	57.52	32.1	13.31	29	250	134	P	V
		5855.2	68.16	-42.58	110.74	51.73	32.11	13.31	28.99	250	134	P	V
		5880.8	58.4	-42.49	100.89	41.9	32.16	13.33	28.99	250	134	P	V
		5931.8	55.25	-12.95	68.2	38.54	32.33	13.36	28.98	250	134	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 (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	47.24	-26.76	74	47.23	40.1	20.66	60.75	100	0	P	H
802.11ax		17235	51.82	-16.38	68.2	41.42	40.84	26.48	56.92	100	0	P	H
HE20													H
Partial													H
106/53		11490	47.24	-26.76	74	47.23	40.1	20.66	60.75	100	0	P	V
CH 149		17235	51.6	-16.6	68.2	41.2	40.84	26.48	56.92	100	0	P	V
5745MHz													V
													V
		11650	47.21	-26.79	74	47.51	39.6	20.85	60.75	100	0	P	H
802.11ax		17475	52.21	-15.99	68.2	39.4	41.97	26.89	56.05	100	0	P	H
HE20													H
Partial													H
106/54		11650	47.48	-26.52	74	47.78	39.6	20.85	60.75	100	0	P	V
CH 165		17475	51.42	-16.78	68.2	38.61	41.97	26.89	56.05	100	0	P	V
5825MHz													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)
		5621.4	54.61	-13.59	68.2	38.97	31.7	12.99	29.05	400	189	P	H
		5699.6	64.73	-40.18	104.91	48.84	31.8	13.12	29.03	400	189	P	H
		5717	74.29	-35.67	109.96	58.3	31.87	13.15	29.03	400	189	P	H
		5724.2	73.78	-46.6	120.38	57.75	31.9	13.16	29.03	400	189	P	H
	*	5755	109.37	-	-	93.17	32.01	13.21	29.02	400	189	P	H
	*	5755	100.13	-	-	83.93	32.01	13.21	29.02	400	189	A	H
		5850	54.62	-67.58	122.2	38.21	32.1	13.31	29	400	189	P	H
		5874.4	54.36	-51.01	105.37	37.88	32.15	13.32	28.99	400	189	P	H
		5908.4	54.07	-26.38	80.45	37.47	32.23	13.35	28.98	400	189	P	H
		5927.2	55.45	-12.75	68.2	38.76	32.31	13.36	28.98	400	189	P	H
802.11ax													H
HE40 Full													H
CH 151		5648.6	55.17	-13.03	68.2	39.47	31.7	13.04	29.04	257	132	P	V
5755MHz		5699.6	73.24	-31.67	104.91	57.35	31.8	13.12	29.03	257	132	P	V
		5717	79.98	-29.98	109.96	63.99	31.87	13.15	29.03	257	132	P	V
		5722	84.16	-31.2	115.36	68.14	31.89	13.16	29.03	257	132	P	V
	*	5755	116.86	-	-	100.66	32.01	13.21	29.02	257	132	P	V
	*	5755	106.76	-	-	90.56	32.01	13.21	29.02	257	132	A	V
		5851.4	56.96	-62.05	119.01	40.55	32.1	13.31	29	257	132	P	V
		5856	56.73	-53.79	110.52	40.3	32.11	13.31	28.99	257	132	P	V
		5889.2	56.52	-38.14	94.66	40	32.18	13.33	28.99	257	132	P	V
		5943.2	55.71	-12.49	68.2	38.94	32.37	13.37	28.97	257	132	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)
		5622.2	55.42	-12.78	68.2	39.77	31.7	13	29.05	397	190	P	H
		5690	54.32	-43.51	97.83	38.47	31.78	13.1	29.03	397	190	P	H
		5712.2	56.66	-51.96	108.62	40.7	31.85	13.14	29.03	397	190	P	H
		5721.2	60	-53.54	113.54	44	31.88	13.15	29.03	397	190	P	H
	*	5795	109.76	-	-	93.41	32.09	13.27	29.01	397	190	P	H
	*	5795	100.13	-	-	83.78	32.09	13.27	29.01	397	190	A	H
		5852.4	62.85	-53.88	116.73	46.44	32.1	13.31	29	397	190	P	H
		5859.8	61.32	-48.13	109.45	44.87	32.12	13.32	28.99	397	190	P	H
		5923.4	55.1	-14.28	69.38	38.44	32.29	13.35	28.98	397	190	P	H
		5941.8	55.22	-12.98	68.2	38.45	32.37	13.37	28.97	397	190	P	H
802.11ax													H
HE40 Full													H
CH 159		5625.8	54.32	-13.88	68.2	38.67	31.7	13	29.05	250	136	P	V
5795MHz		5697.8	56.99	-46.59	103.58	41.1	31.8	13.12	29.03	250	136	P	V
		5718.8	64.48	-45.98	110.46	48.48	31.88	13.15	29.03	250	136	P	V
		5722.6	66.57	-50.16	116.73	50.55	31.89	13.16	29.03	250	136	P	V
	*	5795	117.86	-	-	101.51	32.09	13.27	29.01	250	136	P	V
	*	5795	106.95	-	-	90.6	32.09	13.27	29.01	250	136	A	V
		5850.8	69.15	-51.23	120.38	52.74	32.1	13.31	29	250	136	P	V
		5861.4	67.11	-41.9	109.01	50.66	32.12	13.32	28.99	250	136	P	V
		5880.4	59.05	-42.14	101.19	42.55	32.16	13.33	28.99	250	136	P	V
		5938	55.97	-12.23	68.2	39.23	32.35	13.36	28.97	250	136	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	47.45	-26.55	74	47.44	40.07	20.7	60.76	100	0	P	H
		17265	50.32	-17.88	68.2	39.64	40.96	26.53	56.81	100	0	P	H
802.11ax													H
HE40 Full													H
CH 151		11510	46.92	-27.08	74	46.91	40.07	20.7	60.76	100	0	P	V
5755MHz		17265	50.2	-18	68.2	39.52	40.96	26.53	56.81	100	0	P	V
													V
													V
		11590	47.56	-26.44	74	47.71	39.83	20.78	60.76	100	0	P	H
		17385	51.09	-17.11	68.2	39.21	41.52	26.74	56.38	100	0	P	H
802.11ax													H
HE40 Full													H
CH 159		11590	46.5	-27.5	74	46.65	39.83	20.78	60.76	100	0	P	V
5795MHz		17385	51.28	-16.92	68.2	39.4	41.52	26.74	56.38	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)
		5640.8	57.56	-10.64	68.2	41.88	31.7	13.03	29.05	346	186	P	H
		5699.8	66.6	-38.45	105.05	50.71	31.8	13.12	29.03	346	186	P	H
		5719.6	80.99	-29.7	110.69	64.99	31.88	13.15	29.03	346	186	P	H
		5720.4	81.33	-30.38	111.71	65.33	31.88	13.15	29.03	346	186	P	H
	*	5755	110.68	-	-	94.48	32.01	13.21	29.02	346	186	P	H
	*	5755	103.01	-	-	86.81	32.01	13.21	29.02	346	186	A	H
		5850.8	56.73	-63.65	120.38	40.32	32.1	13.31	29	346	186	P	H
		5858.4	59.13	-50.72	109.85	42.68	32.12	13.32	28.99	346	186	P	H
		5885.6	63.14	-34.19	97.33	46.63	32.17	13.33	28.99	346	186	P	H
802.11ax		5936.4	56.2	-12	68.2	39.47	32.35	13.36	28.98	346	186	P	H
HE40													H
Partial													H
262/61		5638	60.07	-8.13	68.2	44.4	31.7	13.02	29.05	239	131	P	V
CH 151		5700	72.37	-32.83	105.2	56.48	31.8	13.12	29.03	239	131	P	V
5755MHz		5715.6	83.29	-26.28	109.57	67.32	31.86	13.14	29.03	239	131	P	V
		5720.6	87.65	-24.52	112.17	71.65	31.88	13.15	29.03	239	131	P	V
	*	5755	117.48	-	-	101.28	32.01	13.21	29.02	239	131	P	V
	*	5755	109.18	-	-	92.98	32.01	13.21	29.02	239	131	A	V
		5850	64.49	-57.71	122.2	48.08	32.1	13.31	29	239	131	P	V
		5861	61.65	-47.47	109.12	45.2	32.12	13.32	28.99	239	131	P	V
		5875	58.11	-47.09	105.2	41.63	32.15	13.32	28.99	239	131	P	V
		5929.8	56.54	-11.66	68.2	39.84	32.32	13.36	28.98	239	131	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)
		5641.8	54.86	-13.34	68.2	39.18	31.7	13.03	29.05	341	192	P	H
		5698.8	60.86	-43.46	104.32	44.97	31.8	13.12	29.03	341	192	P	H
		5718.8	62.39	-48.07	110.46	46.39	31.88	13.15	29.03	341	192	P	H
		5724.6	62.37	-58.92	121.29	46.34	31.9	13.16	29.03	341	192	P	H
	*	5795	111.5	-	-	95.15	32.09	13.27	29.01	341	192	P	H
	*	5795	102.75	-	-	86.4	32.09	13.27	29.01	341	192	A	H
		5855	64.88	-45.92	110.8	48.45	32.11	13.31	28.99	341	192	P	H
		5861.2	62.97	-46.09	109.06	46.52	32.12	13.32	28.99	341	192	P	H
		5885.2	59.3	-38.33	97.63	42.79	32.17	13.33	28.99	341	192	P	H
802.11ax		5938	55.34	-12.86	68.2	38.6	32.35	13.36	28.97	341	192	P	H
HE40													H
Partial													H
262/62		5629.6	55.81	-12.39	68.2	40.15	31.7	13.01	29.05	230	138	P	V
CH 159		5699.6	67.09	-37.82	104.91	51.2	31.8	13.12	29.03	230	138	P	V
5795MHz		5719	69.46	-41.06	110.52	53.46	31.88	13.15	29.03	230	138	P	V
		5724	69.45	-50.47	119.92	53.42	31.9	13.16	29.03	230	138	P	V
	*	5795	118.61	-	-	102.26	32.09	13.27	29.01	230	138	P	V
	*	5795	109.62	-	-	93.27	32.09	13.27	29.01	230	138	A	V
		5855	72.55	-38.25	110.8	56.12	32.11	13.31	28.99	230	138	P	V
		5855.8	73.34	-37.24	110.58	56.91	32.11	13.31	28.99	230	138	P	V
		5884.6	66.98	-31.09	98.07	50.47	32.17	13.33	28.99	230	138	P	V
		5947.2	55.93	-12.27	68.2	39.14	32.39	13.37	28.97	230	138	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 (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	49.15	-24.85	74	49.14	40.07	20.7	60.76	100	0	P	H
802.11ax		17265	51.38	-16.82	68.2	40.7	40.96	26.53	56.81	100	0	P	H
HE40													H
Partial													H
262/61		11510	48.02	-25.98	74	48.01	40.07	20.7	60.76	100	0	P	V
CH 151		17265	50.64	-17.56	68.2	39.96	40.96	26.53	56.81	100	0	P	V
5755MHz													V
													V
		11590	46.95	-27.05	74	47.1	39.83	20.78	60.76	100	0	P	H
802.11ax		17385	52.34	-15.86	68.2	40.46	41.52	26.74	56.38	100	0	P	H
HE40													H
Partial													H
262/62		11590	47.47	-26.53	74	47.62	39.83	20.78	60.76	100	0	P	V
CH 159		17385	51.95	-16.25	68.2	40.07	41.52	26.74	56.38	100	0	P	V
5795MHz													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)
		5615.4	54.19	-14.01	68.2	38.56	31.7	12.98	29.05	399	190	P	H
		5689.6	56.88	-40.65	97.53	41.03	31.78	13.1	29.03	399	190	P	H
		5703.4	64.65	-41.5	106.15	48.74	31.81	13.13	29.03	399	190	P	H
		5724.2	67.5	-52.88	120.38	51.47	31.9	13.16	29.03	399	190	P	H
	*	5775	104.9	-	-	88.62	32.05	13.24	29.01	399	190	P	H
	*	5775	93.67	-	-	77.39	32.05	13.24	29.01	399	190	A	H
		5854.8	56.98	-54.28	111.26	40.55	32.11	13.31	28.99	399	190	P	H
		5857.2	55.78	-54.4	110.18	39.35	32.11	13.31	28.99	399	190	P	H
		5888	56.68	-38.87	95.55	40.16	32.18	13.33	28.99	399	190	P	H
		5932	62.04	-6.16	68.2	45.33	32.33	13.36	28.98	399	190	P	H
802.11ax													H
HE80 Full													H
CH 155		5632.4	54.6	-13.6	68.2	38.94	31.7	13.01	29.05	229	132	P	V
5775MHz		5698.2	71.71	-32.16	103.87	55.82	31.8	13.12	29.03	229	132	P	V
		5707.2	70.39	-36.83	107.22	54.46	31.83	13.13	29.03	229	132	P	V
		5723.6	71.65	-47.36	119.01	55.63	31.89	13.16	29.03	229	132	P	V
	*	5775	110.12	-	-	93.84	32.05	13.24	29.01	229	132	P	V
	*	5775	100.25	-	-	83.97	32.05	13.24	29.01	229	132	A	V
		5853.4	69.32	-45.13	114.45	52.9	32.11	13.31	29	229	132	P	V
		5857.6	62.83	-47.24	110.07	46.39	32.12	13.31	28.99	229	132	P	V
		5893.6	73.2	-18.2	91.4	56.66	32.19	13.34	28.99	229	132	P	V
		5946.6	67.14	-1.06	68.2	50.35	32.39	13.37	28.97	229	132	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	47.41	-26.59	74	47.48	39.95	20.74	60.76	100	0	P	H
		17325	51.22	-16.98	68.2	39.95	41.22	26.64	56.59	100	0	P	H
802.11ax													H
HE80 Full													H
CH 155		11550	47.41	-26.59	74	47.48	39.95	20.74	60.76	100	0	P	V
5775MHz		17325	50.72	-17.48	68.2	39.45	41.22	26.64	56.59	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 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)
		5650	60.8	-7.4	68.2	45.1	31.7	13.04	29.04	347	188	P	H
		5684.4	73.64	-20.05	93.69	57.81	31.77	13.1	29.04	347	188	P	H
		5719.8	77.2	-33.54	110.74	61.2	31.88	13.15	29.03	347	188	P	H
		5724.8	80.06	-41.68	121.74	64.03	31.9	13.16	29.03	347	188	P	H
	*	5775	112.06	-	-	95.78	32.05	13.24	29.01	347	188	P	H
	*	5775	103.84	-	-	87.56	32.05	13.24	29.01	347	188	A	H
		5850.2	69.04	-52.7	121.74	52.63	32.1	13.31	29	347	188	P	H
		5865.4	68.16	-39.73	107.89	51.7	32.13	13.32	28.99	347	188	P	H
		5875.4	62.2	-42.7	104.9	45.71	32.15	13.33	28.99	347	188	P	H
802.11ax		5945	56.13	-12.07	68.2	39.35	32.38	13.37	28.97	347	188	P	H
HE80													H
Partial													H
242/61		5650	66.37	-1.83	68.2	50.67	31.7	13.04	29.04	244	130	P	V
CH 155		5685	79.59	-14.54	94.13	63.76	31.77	13.1	29.04	244	130	P	V
5775MHz		5719.6	82.33	-28.36	110.69	66.33	31.88	13.15	29.03	244	130	P	V
		5725	86.06	-36.14	122.2	70.03	31.9	13.16	29.03	244	130	P	V
	*	5775	117.48	-	-	101.2	32.05	13.24	29.01	244	130	P	V
	*	5775	109.91	-	-	93.63	32.05	13.24	29.01	244	130	A	V
		5851.2	77.68	-41.78	119.46	61.27	32.1	13.31	29	244	130	P	V
		5865.8	77.37	-30.4	107.77	60.91	32.13	13.32	28.99	244	130	P	V
		5875.6	70.51	-34.24	104.75	54.02	32.15	13.33	28.99	244	130	P	V
		5928	57.79	-10.41	68.2	41.1	32.31	13.36	28.98	244	130	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)
		5649.6	61.47	-6.73	68.2	45.77	31.7	13.04	29.04	343	190	P	H
		5684.2	73.09	-20.45	93.54	57.27	31.77	13.09	29.04	343	190	P	H
		5719.4	75.56	-35.07	110.63	59.56	31.88	13.15	29.03	343	190	P	H
		5725	78.55	-43.65	122.2	62.52	31.9	13.16	29.03	343	190	P	H
	*	5775	110.76	-	-	94.48	32.05	13.24	29.01	343	190	P	H
	*	5775	103.1	-	-	86.82	32.05	13.24	29.01	343	190	A	H
		5850.4	70.01	-51.28	121.29	53.6	32.1	13.31	29	343	190	P	H
		5860	68.74	-40.66	109.4	52.29	32.12	13.32	28.99	343	190	P	H
		5876.4	61.96	-42.2	104.16	45.47	32.15	13.33	28.99	343	190	P	H
802.11ax		5941.8	55.93	-12.27	68.2	39.16	32.37	13.37	28.97	343	190	P	H
HE80													H
Partial													H
242/64		5649.2	66.81	-1.39	68.2	51.11	31.7	13.04	29.04	253	134	P	V
CH 155		5684.4	80.11	-13.58	93.69	64.28	31.77	13.1	29.04	253	134	P	V
5775MHz		5719.4	82.92	-27.71	110.63	66.92	31.88	13.15	29.03	253	134	P	V
		5724.8	86.12	-35.62	121.74	70.09	31.9	13.16	29.03	253	134	P	V
	*	5775	117.67	-	-	101.39	32.05	13.24	29.01	253	134	P	V
	*	5775	109.78	-	-	93.5	32.05	13.24	29.01	253	134	A	V
		5850.6	78.29	-42.54	120.83	61.88	32.1	13.31	29	253	134	P	V
		5865.2	77.86	-30.08	107.94	61.4	32.13	13.32	28.99	253	134	P	V
		5875.4	71.6	-33.3	104.9	55.11	32.15	13.33	28.99	253	134	P	V
		5926.6	57.23	-10.97	68.2	40.54	32.31	13.36	28.98	253	134	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 242 (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	47.59	-26.41	74	47.66	39.95	20.74	60.76	100	0	P	H
802.11ax		17325	52.1	-16.1	68.2	40.83	41.22	26.64	56.59	100	0	P	H
HE80													H
Partial													H
242/61		11550	48.24	-25.76	74	48.31	39.95	20.74	60.76	100	0	P	V
CH 155		17325	51.27	-16.93	68.2	40	41.22	26.64	56.59	100	0	P	V
5775MHz													V
													V
		11550	47.95	-26.05	74	48.02	39.95	20.74	60.76	100	0	P	H
802.11ax		17325	51.29	-16.91	68.2	40.02	41.22	26.64	56.59	100	0	P	H
HE80													H
Partial													H
242/64		11550	47.59	-26.41	74	47.66	39.95	20.74	60.76	100	0	P	V
CH 155		17325	51.51	-16.69	68.2	40.24	41.22	26.64	56.59	100	0	P	V
5775MHz													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ax HE80_Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		191.02	35.28	-8.22	43.5	50.57	14.7	2.32	32.31	100	0	P	H
		393.75	31.37	-14.63	46	38.63	21.6	3.35	32.21	-	-	P	H
		553.8	28.02	-17.98	46	30.35	25.73	3.94	32	-	-	P	H
		637.22	30.17	-15.83	46	31.59	26.37	4.22	32.01	-	-	P	H
		729.37	35.15	-10.85	46	35.31	27.54	4.51	32.21	-	-	P	H
		768.17	34.23	-11.77	46	33.78	28.12	4.63	32.3	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ax													H
HE80_Full		189.08	33.65	-9.85	43.5	48.94	14.71	2.31	32.31	100	0	P	V
LF		395.69	30.56	-15.44	46	37.72	21.69	3.36	32.21	-	-	P	V
		522.76	28.55	-17.45	46	32.81	23.99	3.8	32.05	-	-	P	V
		613.94	29.13	-16.87	46	31.33	25.58	4.17	31.95	-	-	P	V
		729.37	33.14	-12.86	46	33.3	27.54	4.51	32.21	-	-	P	V
		876.81	32.73	-13.27	46	30.81	29.01	4.93	32.02	-	-	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

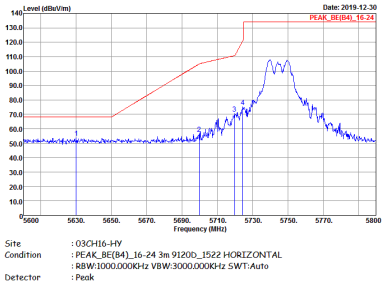
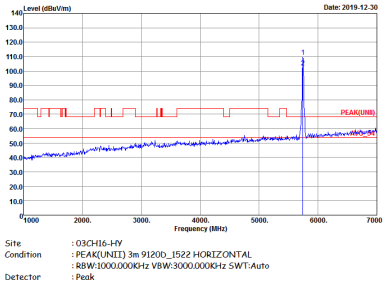
Test Engineer :	Jacky Hung, CR Liao and Andy Yang	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

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		

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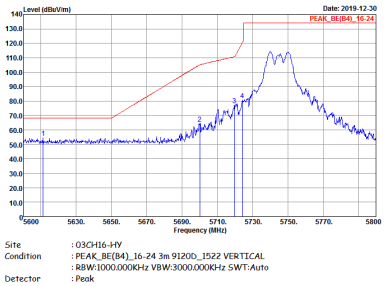
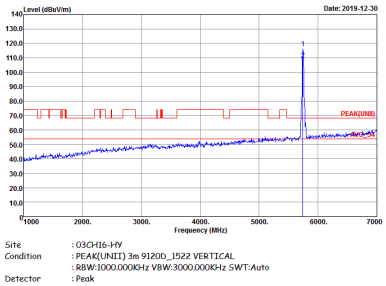
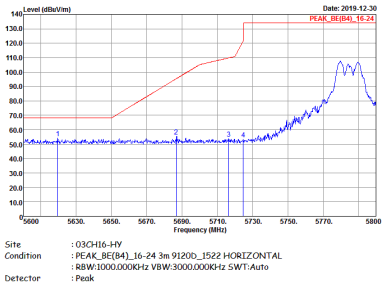
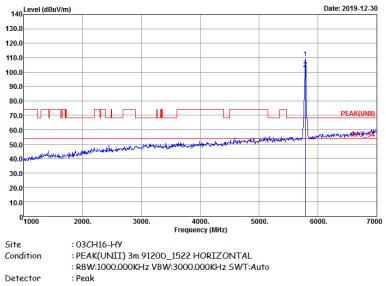
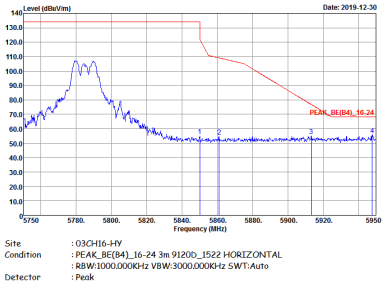
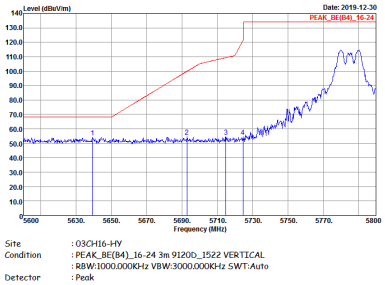
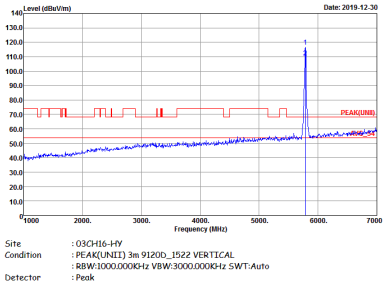
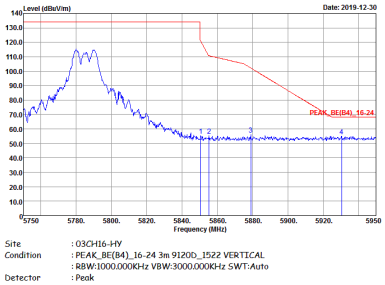
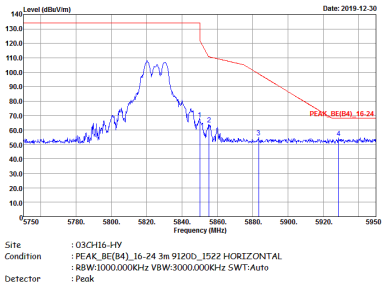
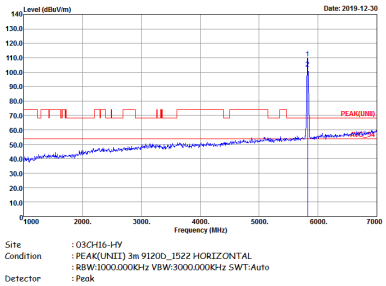
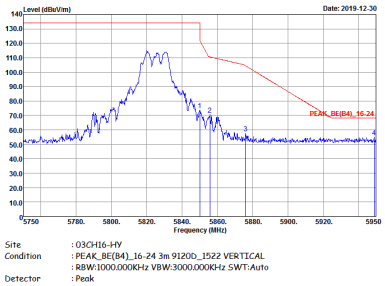
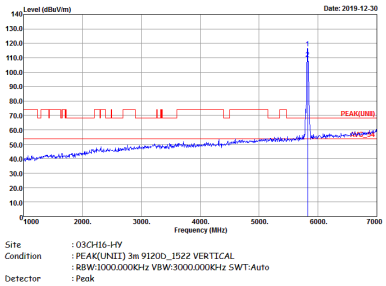
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

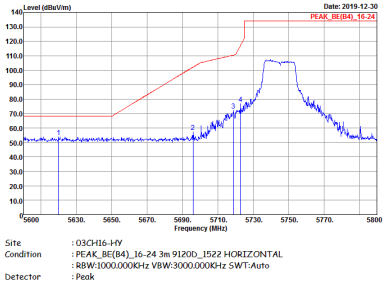
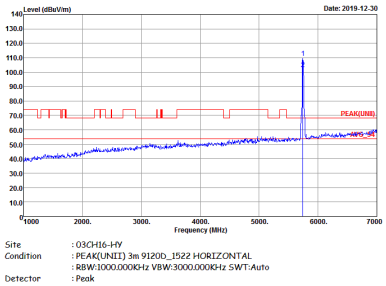
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

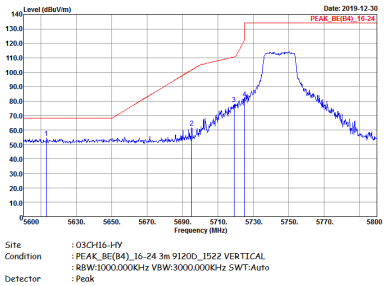
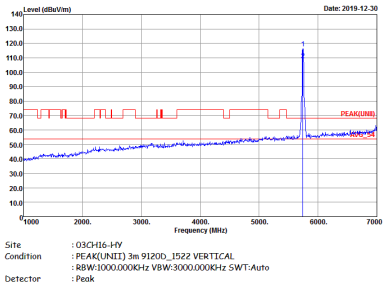
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

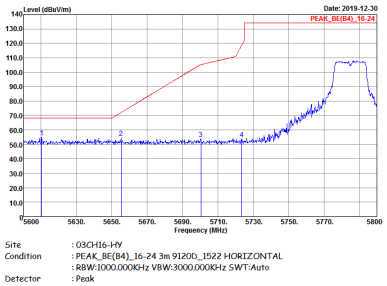
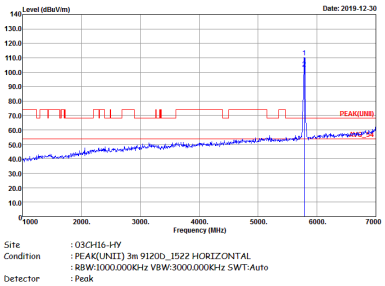
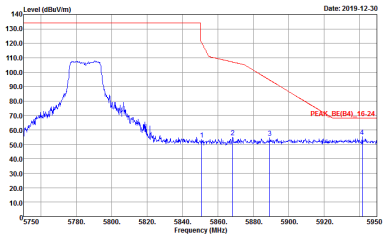
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

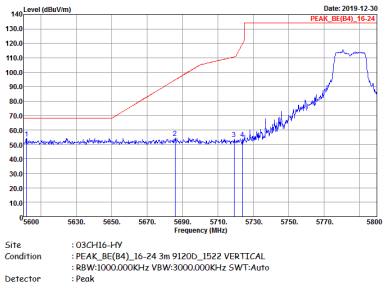
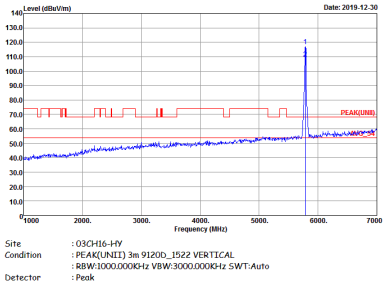
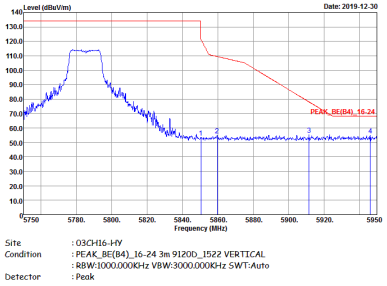
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

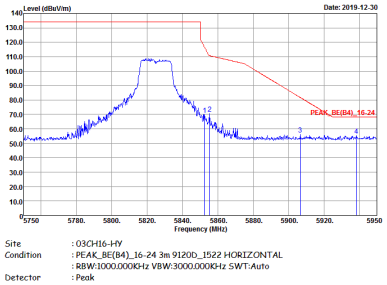
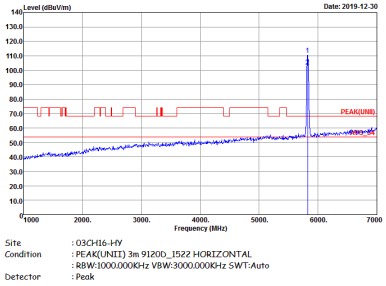
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

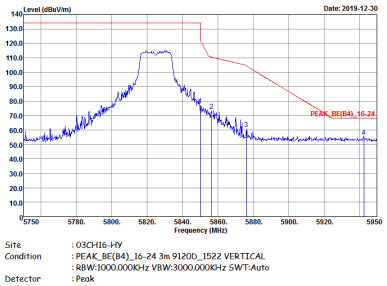
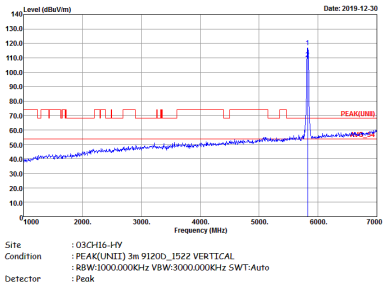
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

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

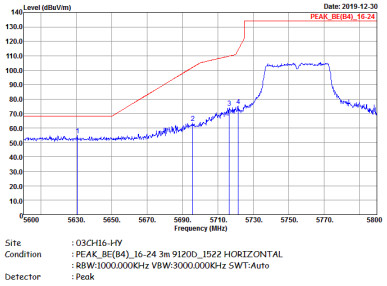
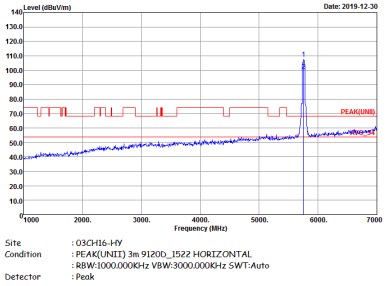
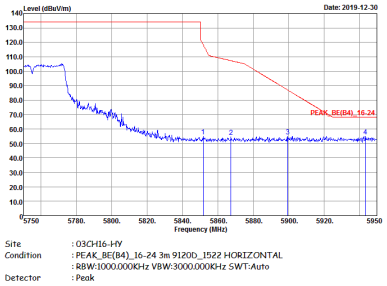
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Left blank

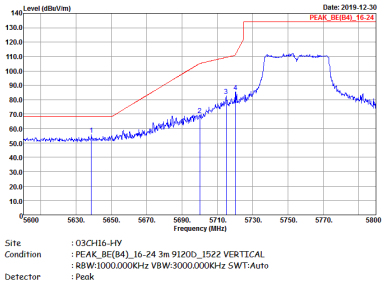
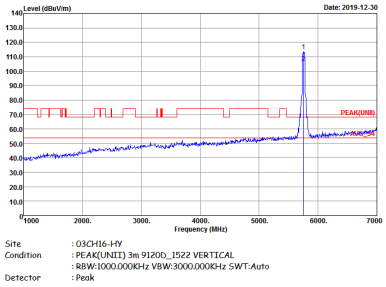
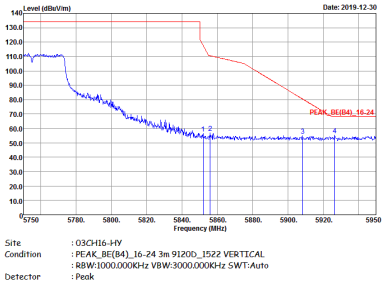
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

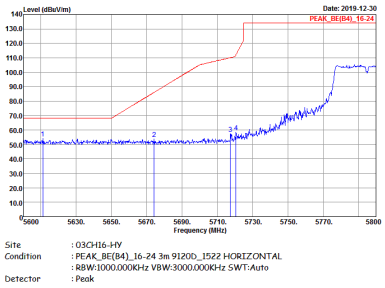
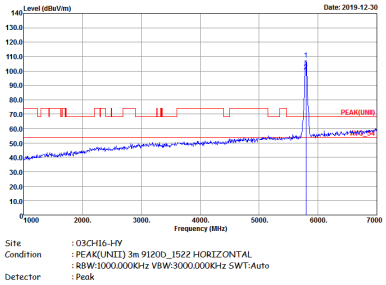
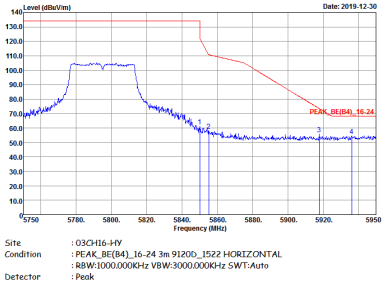
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

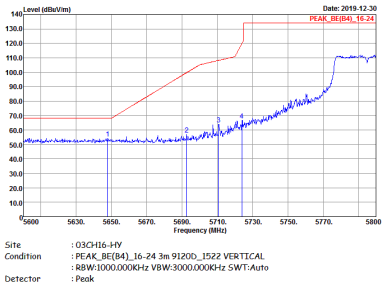
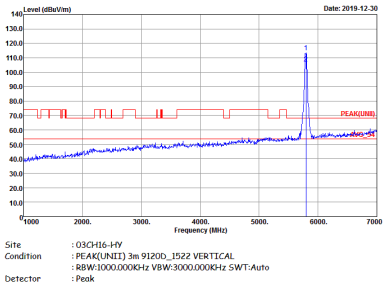
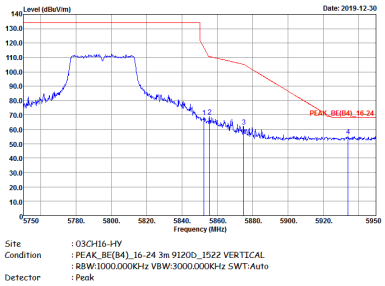
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

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

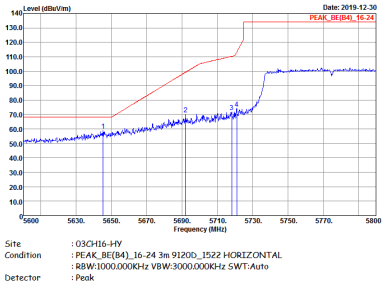
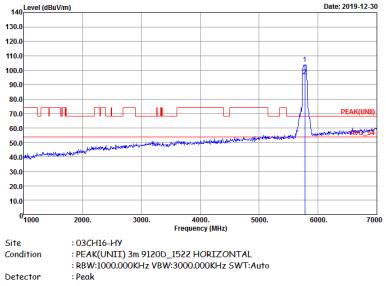
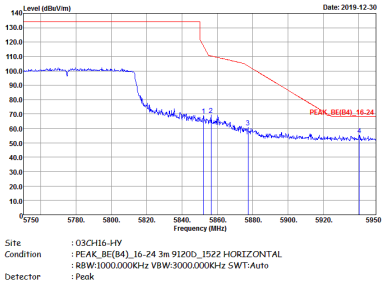
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

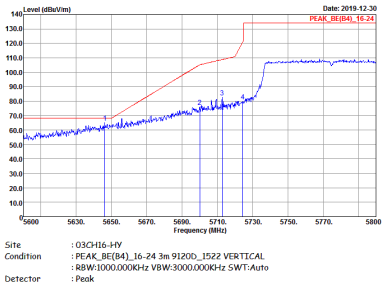
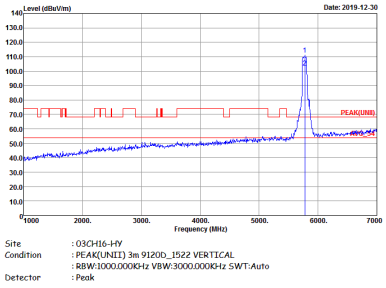
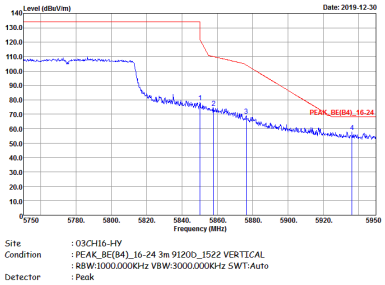
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

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

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

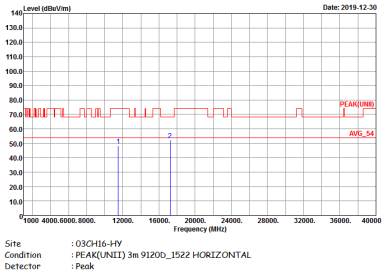
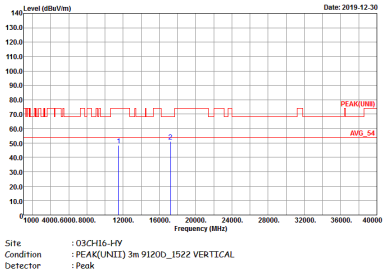
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

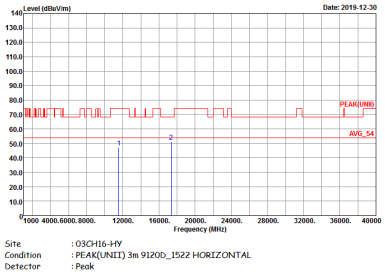
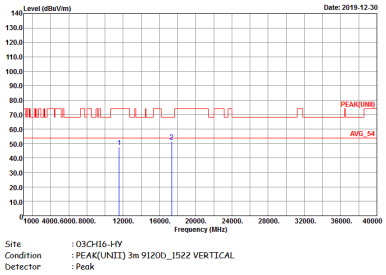
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

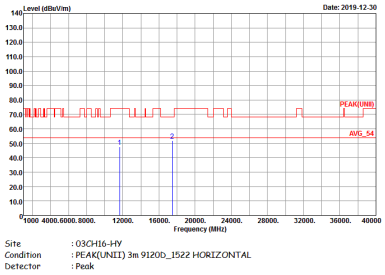
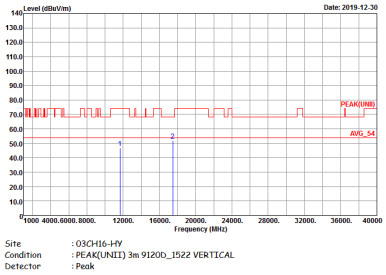
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

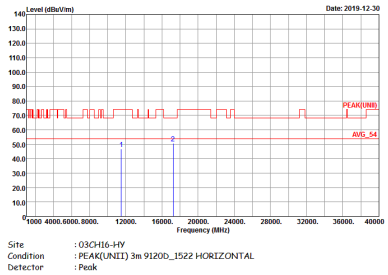
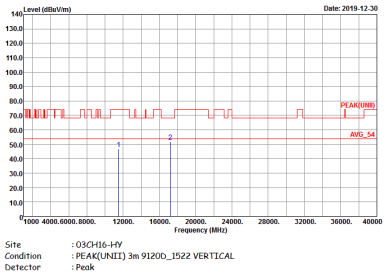
WIFI 802.11a (Harmonic @ 3m)

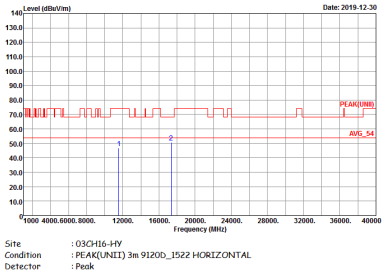
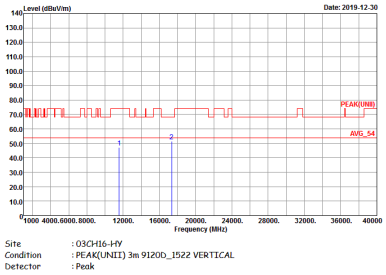
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

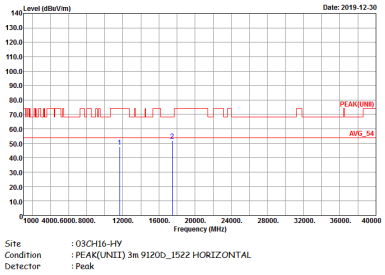
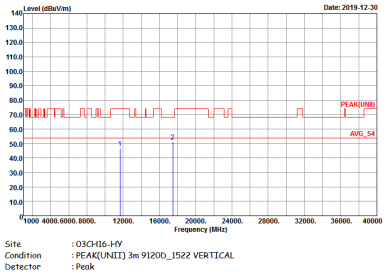
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak

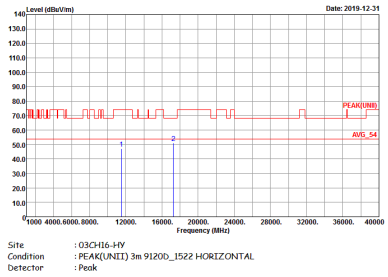
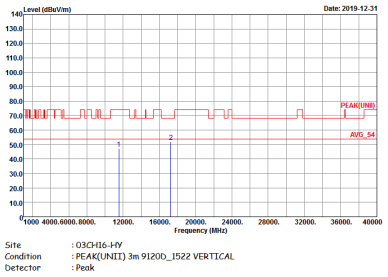
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

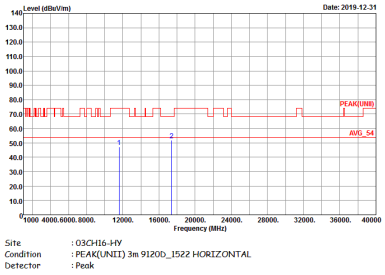
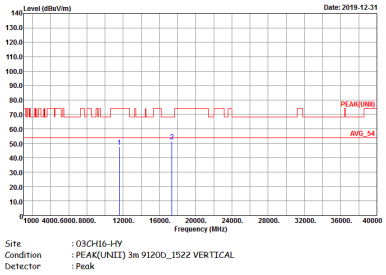
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

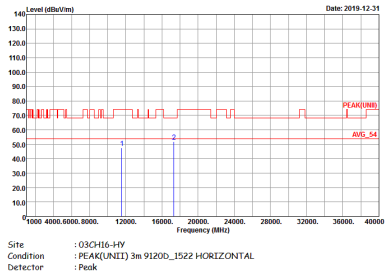
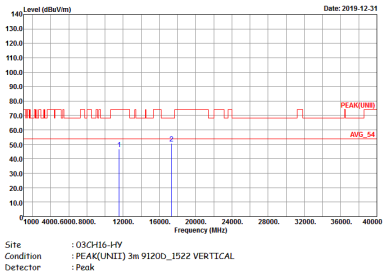
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.		

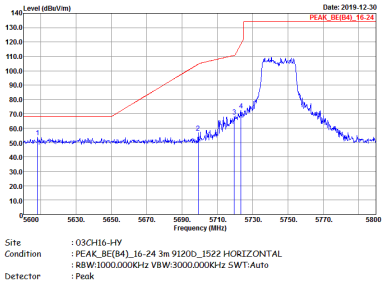
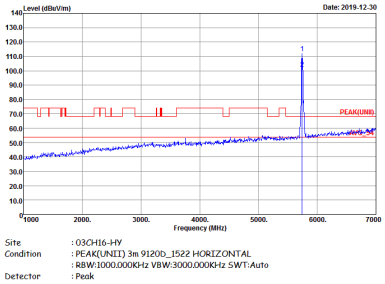
Band 4 5725~5850MHz

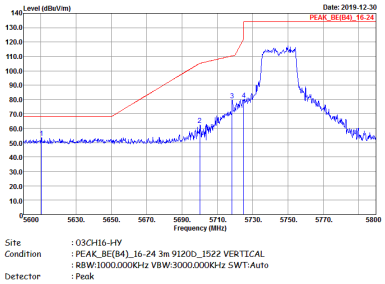
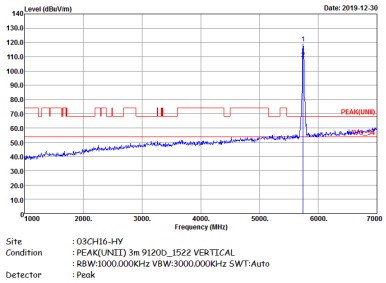
WIFI 802.11ac VHT80 (Harmonic @ 3m)

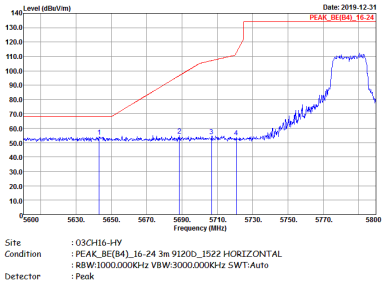
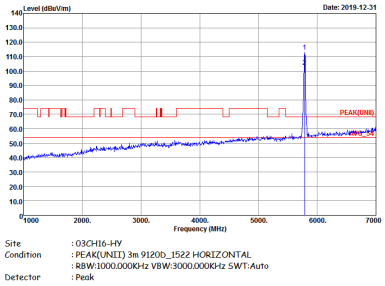
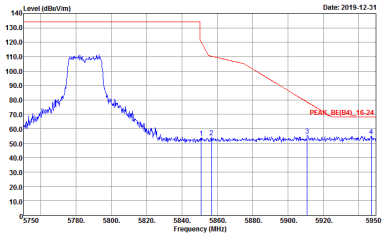
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

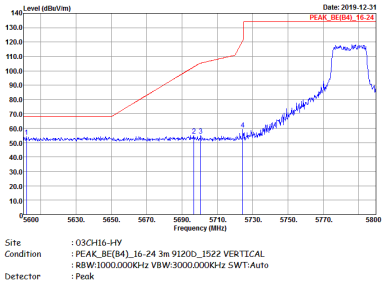
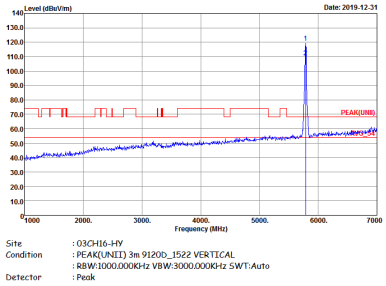
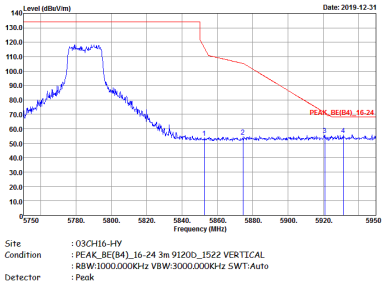
Band 4 - 5725~5850MHz

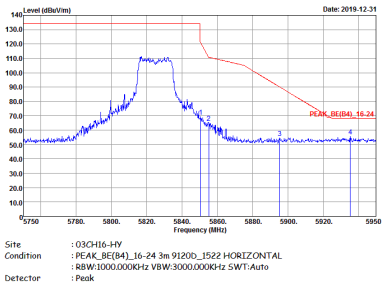
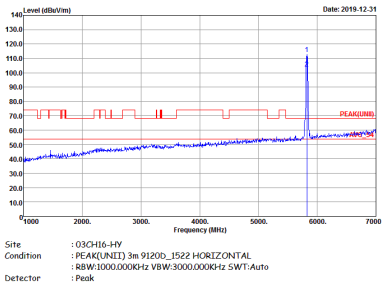
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

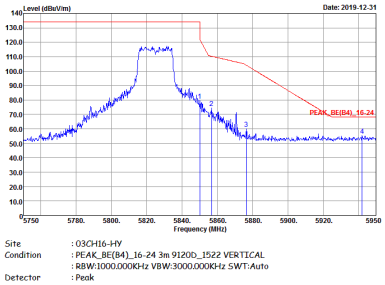
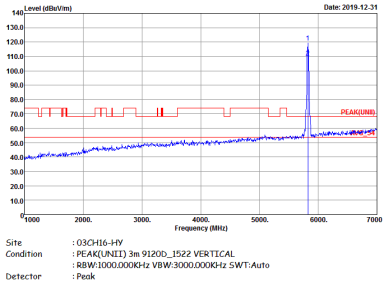
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

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	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Left blank

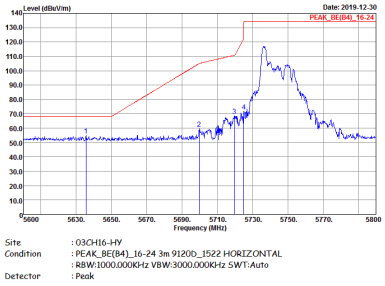
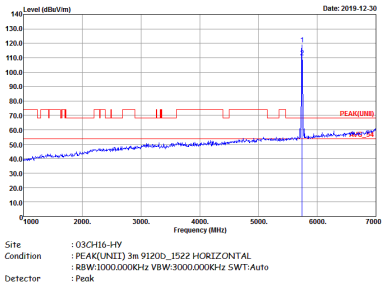
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

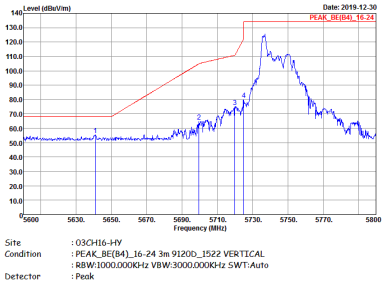
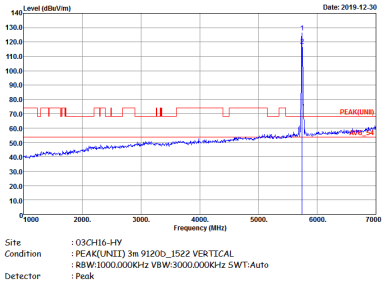
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

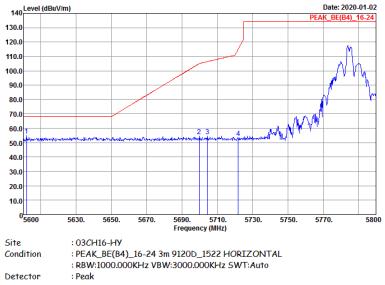
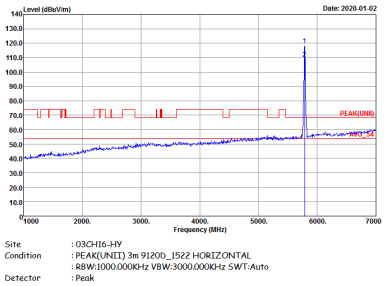
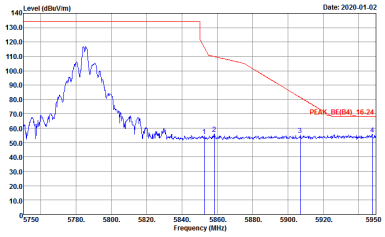
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

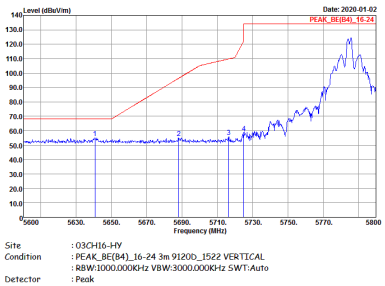
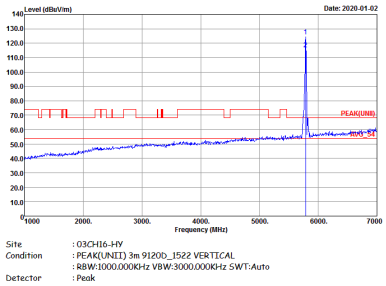
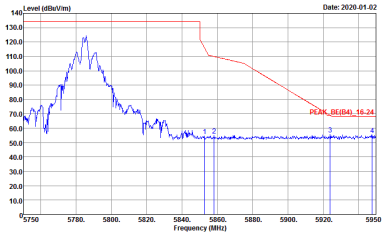
Band 4 5725~5850MHz

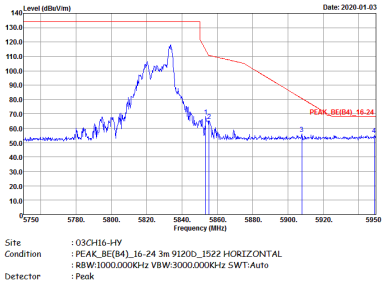
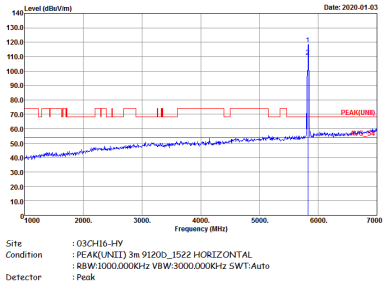
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

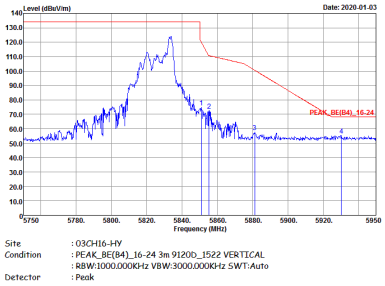
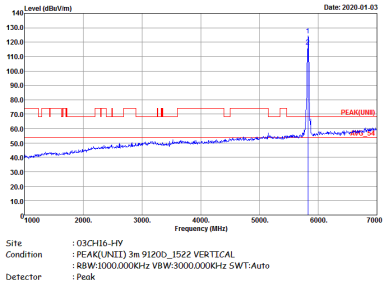
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

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 : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Left blank

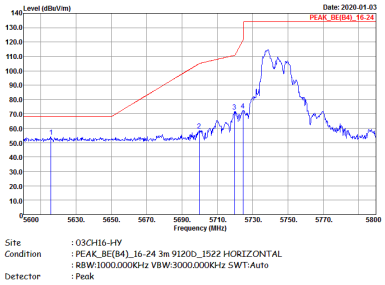
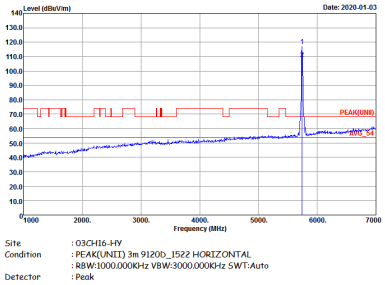
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Left blank

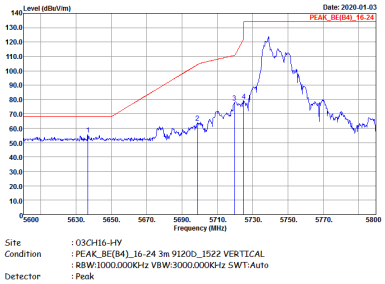
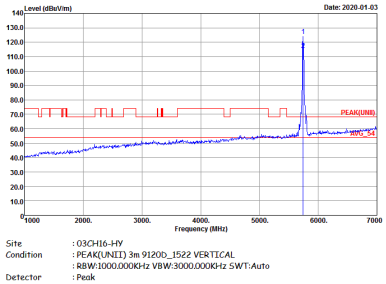
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

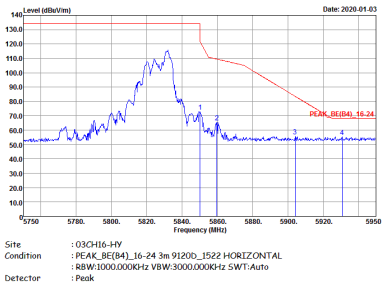
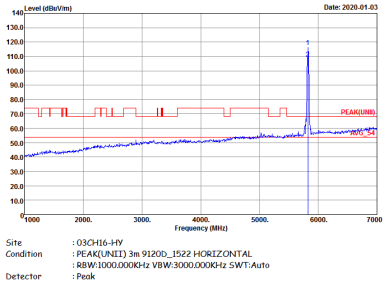
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

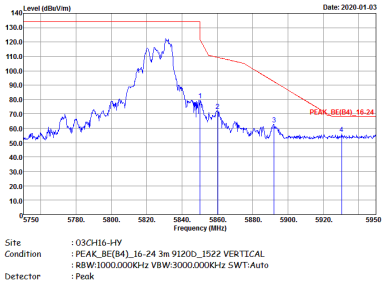
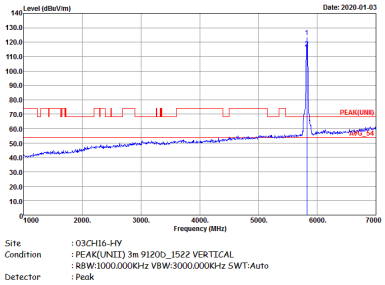
Band 4 5725~5850MHz

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		

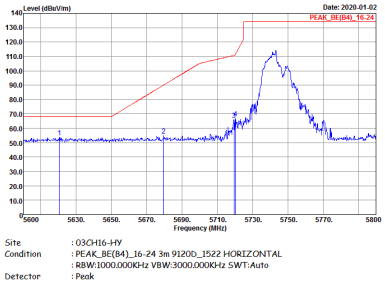
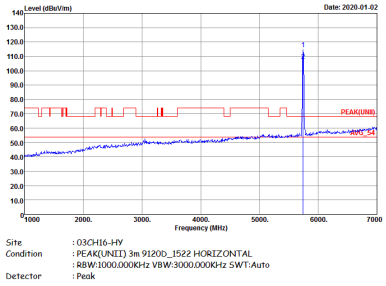
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

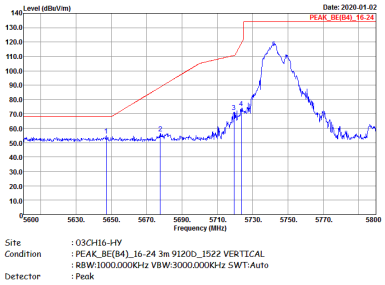
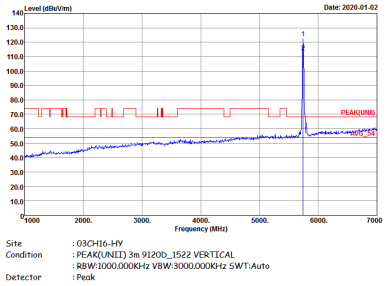
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

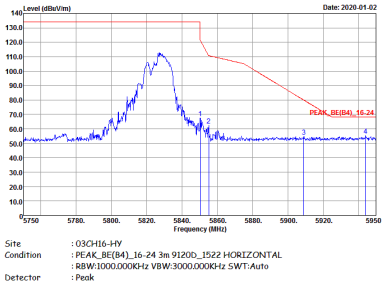
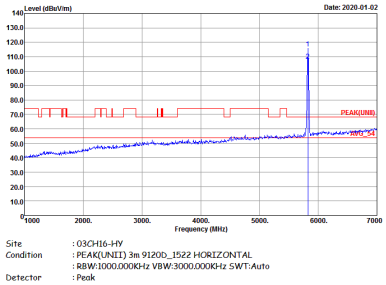
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

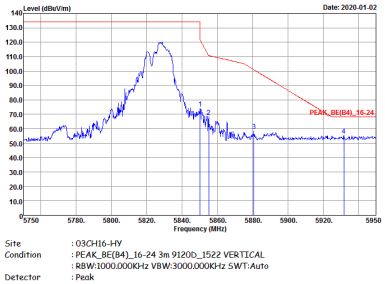
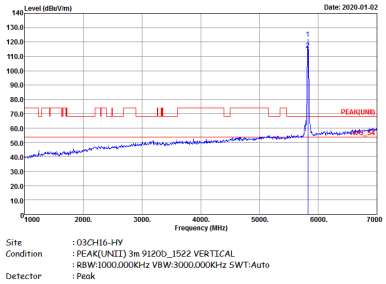
Band 4 5725~5850MHz

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

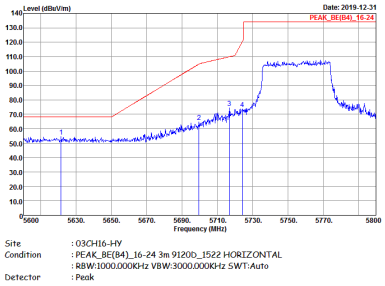
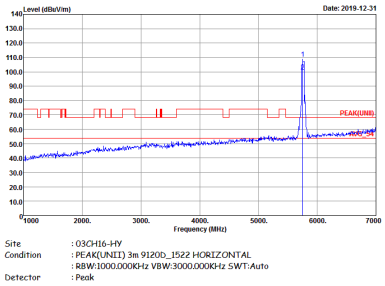
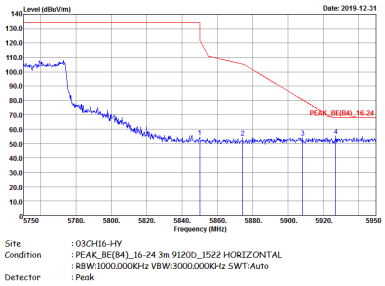
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

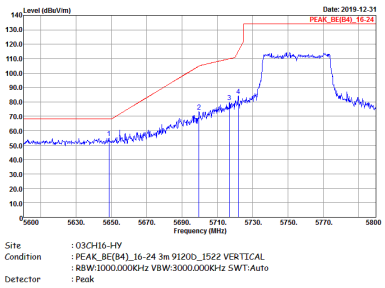
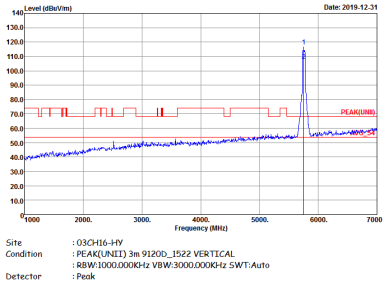
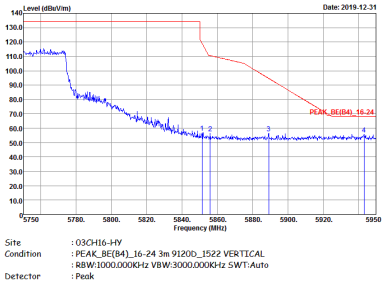
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

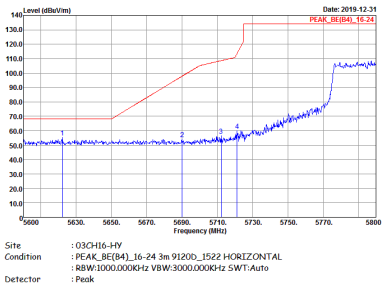
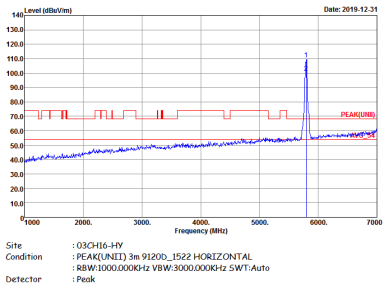
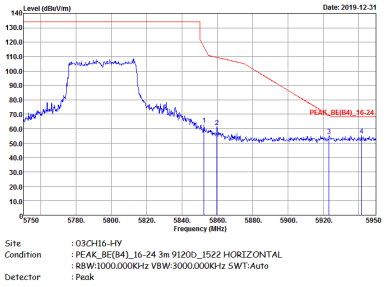
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

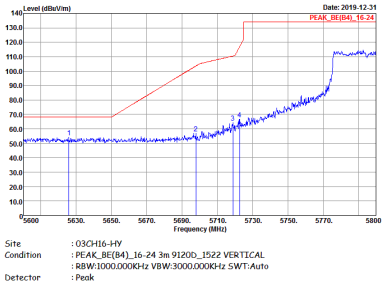
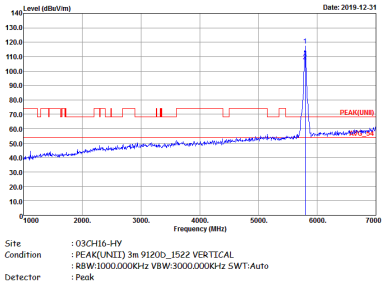
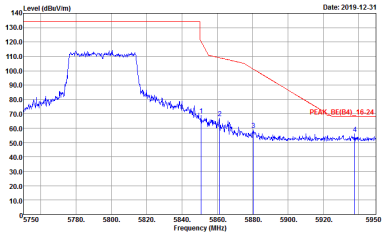
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

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

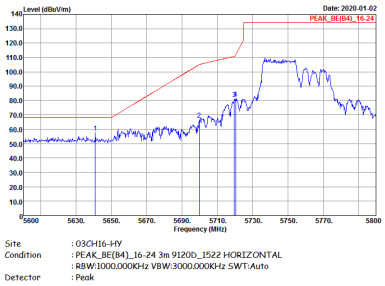
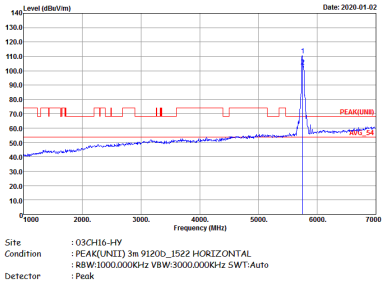
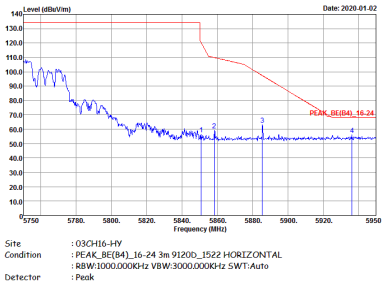
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

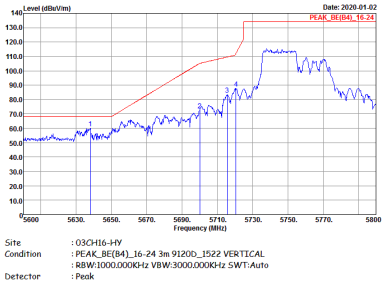
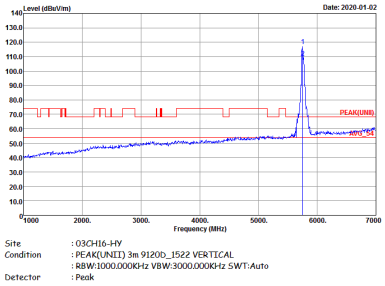
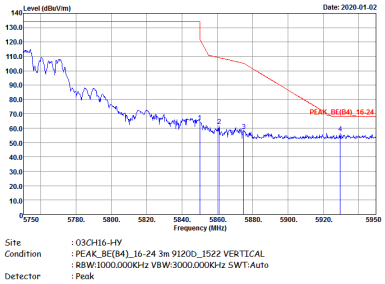
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

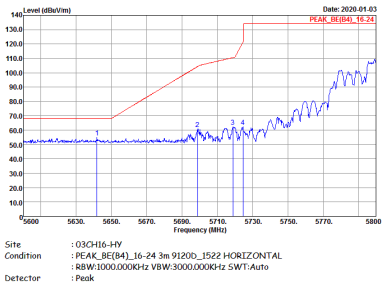
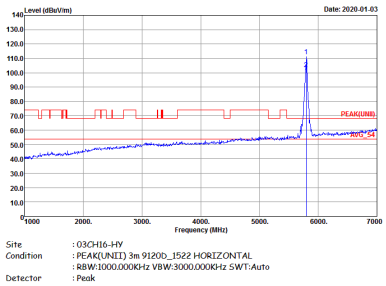
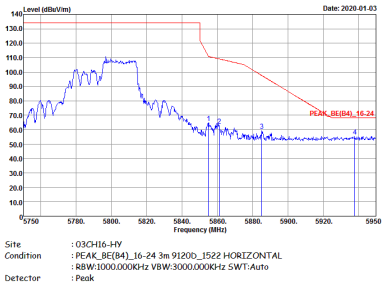
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Left blank

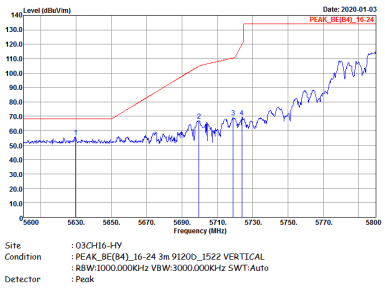
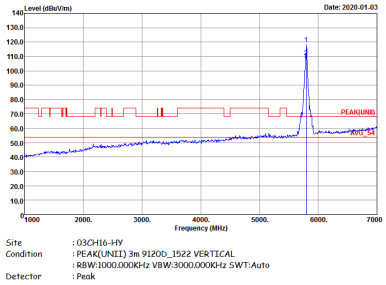
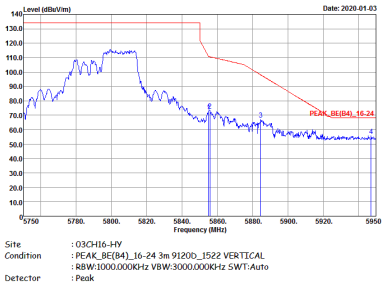
Band 4 5725~5850MHz

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

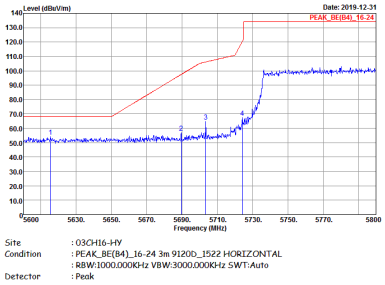
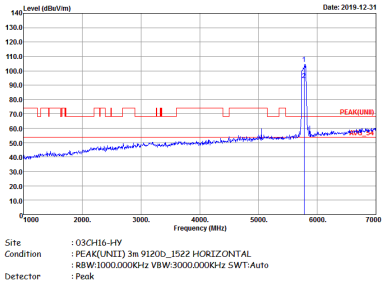
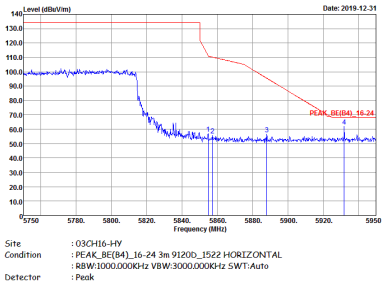
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

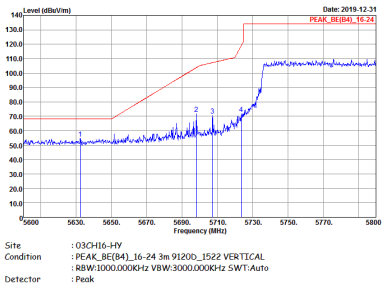
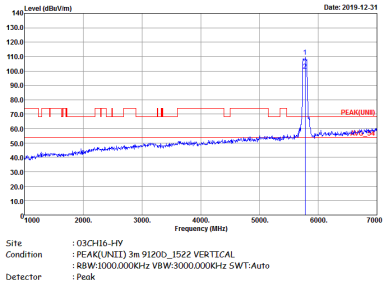
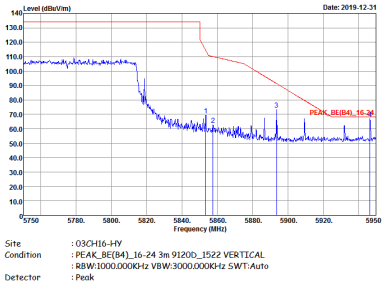
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

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

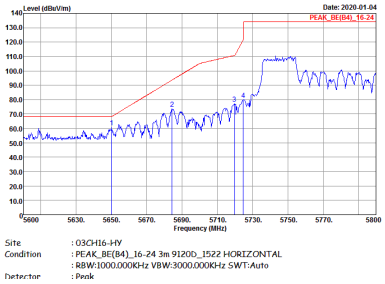
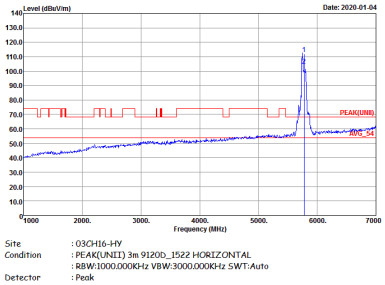
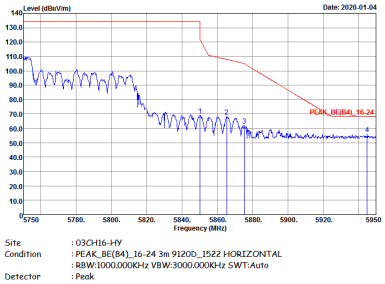
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

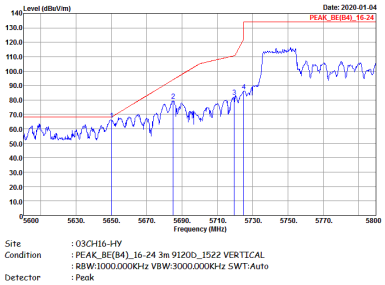
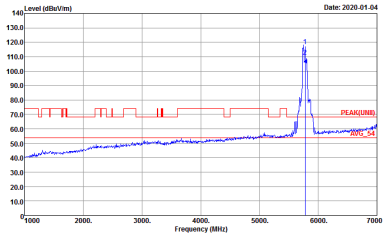
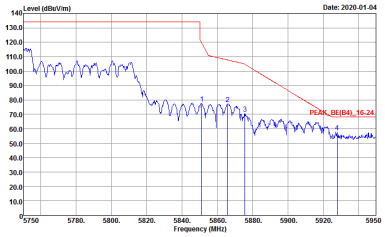
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

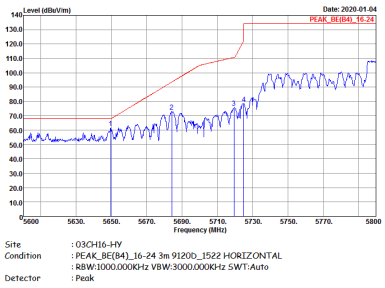
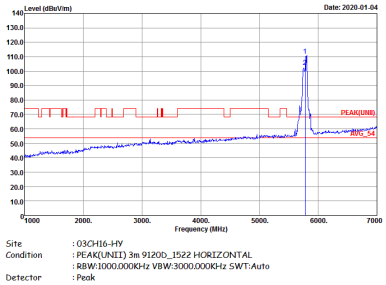
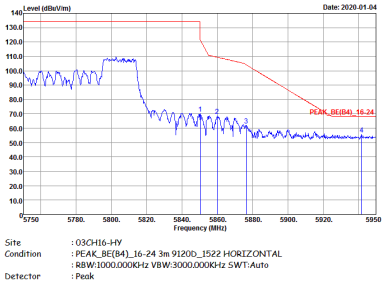
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

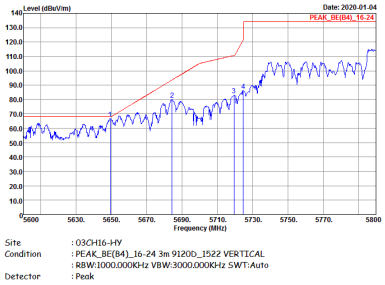
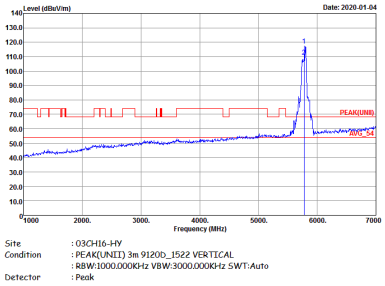
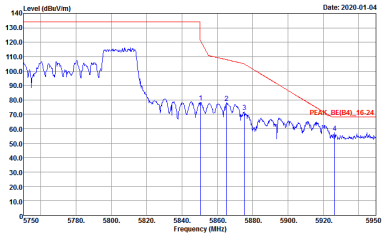
Band 4 5725~5850MHz

WIFI 802.11ax HE80 Partial 242 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 242/61 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

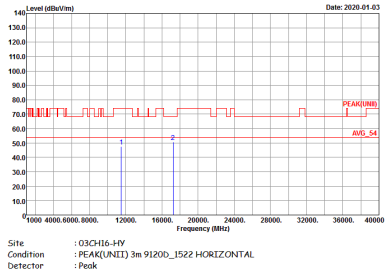
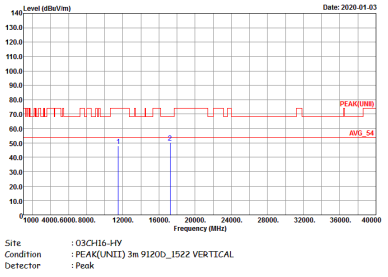
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 242/61 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Left blank

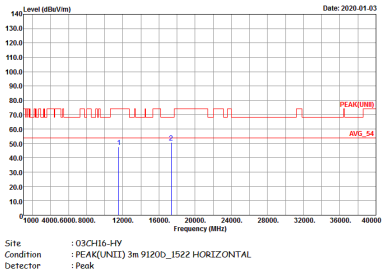
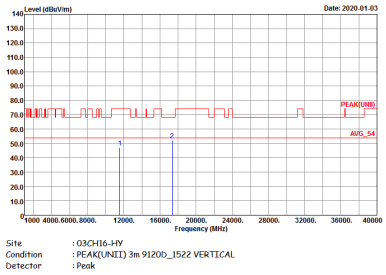
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 242/64 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

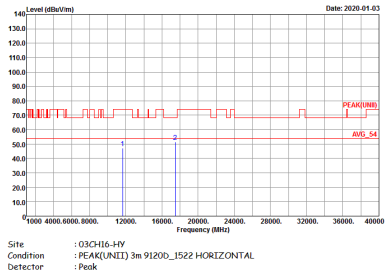
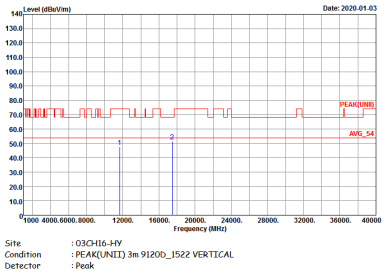
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 242/64 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Peak	 Site : 03CH16-HV Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

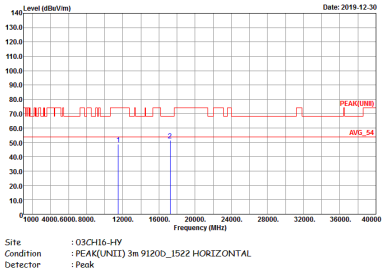
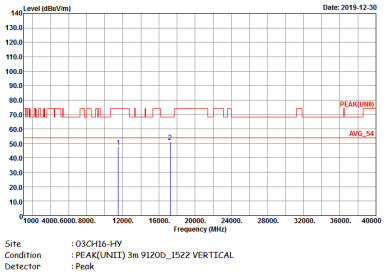
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

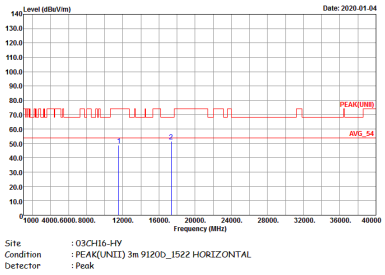
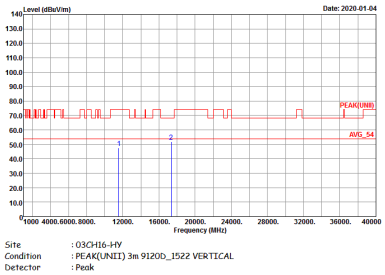
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak

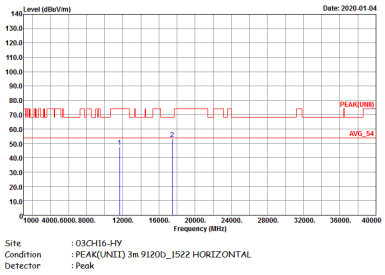
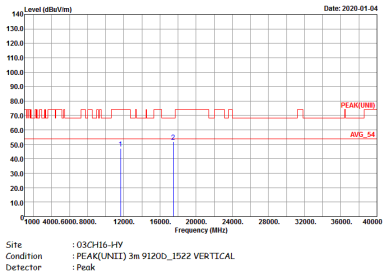
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

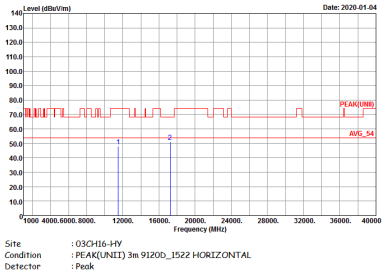
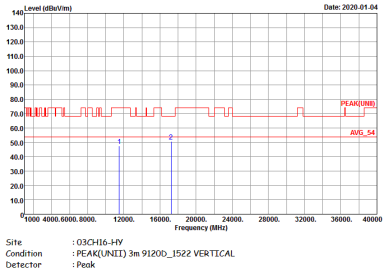
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

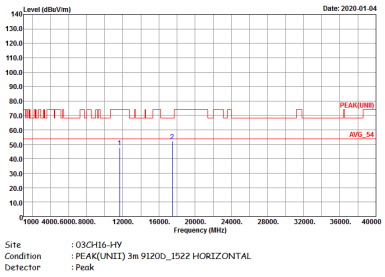
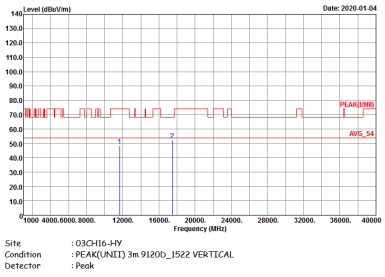
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak

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

Band 4 5725~5850MHz

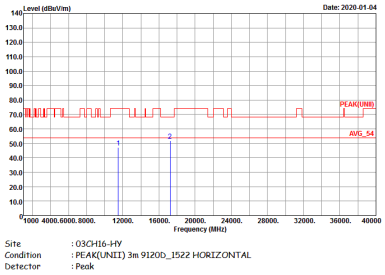
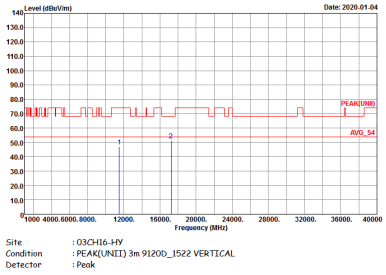
WIFI 802.11ax HE20 Partial 52 (Harmonic @ 3m)

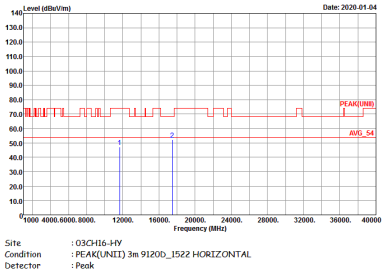
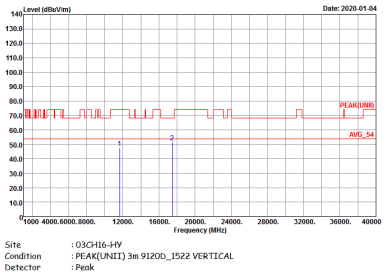
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 4 5725~5850MHz

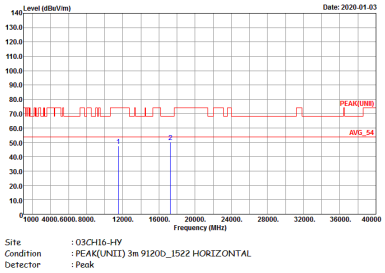
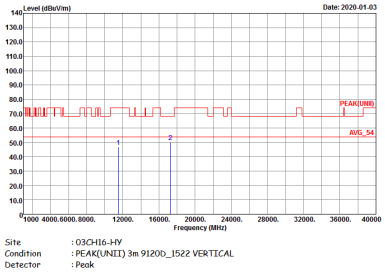
WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

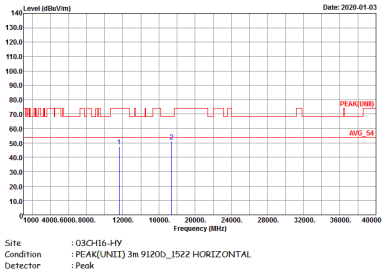
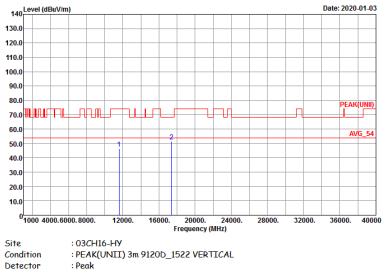
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak

Band 4 5725~5850MHz

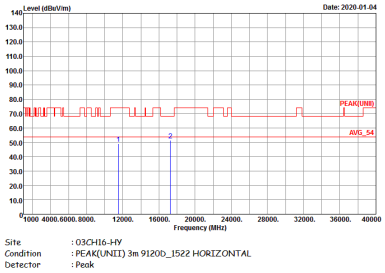
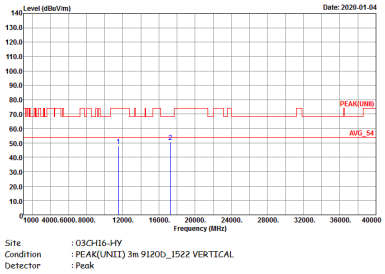
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

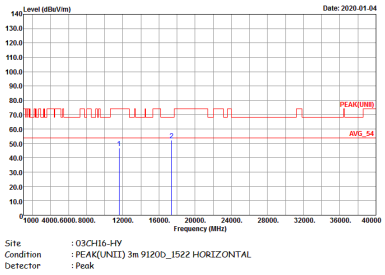
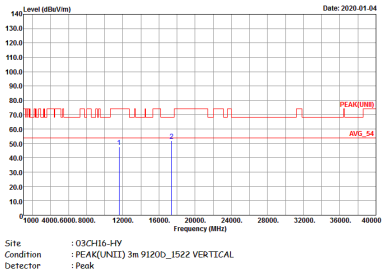
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak

Band 4 5725~5850MHz

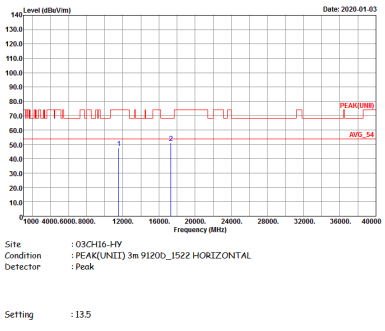
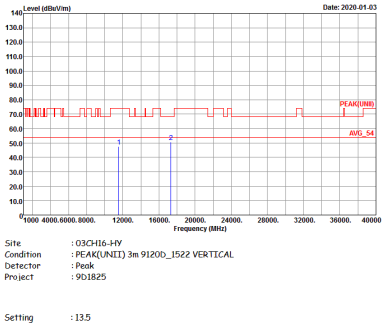
WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.		

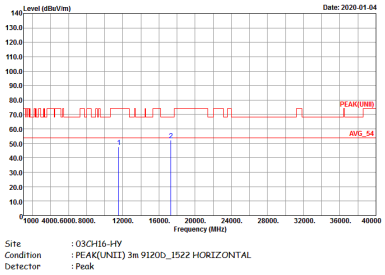
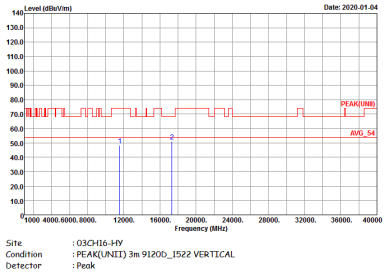
Band 4 5725~5850MHz

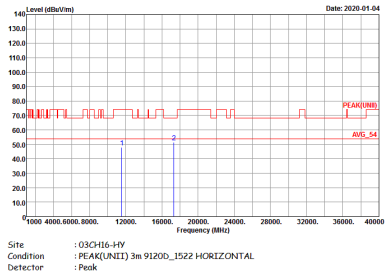
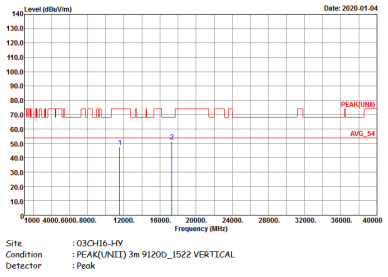
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

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

Band 4 5725~5850MHz

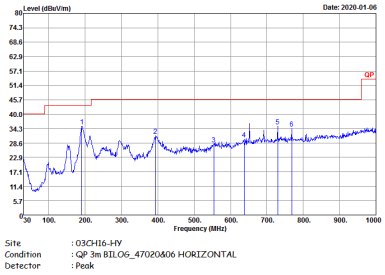
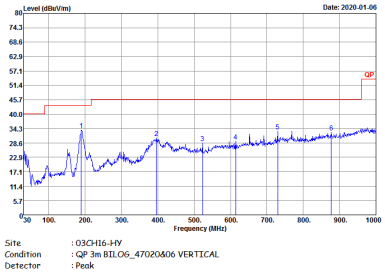
WIFI 802.11ax HE80 Partial 242 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial 242/61 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial 242/64 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11ax HE80 Full (LF)

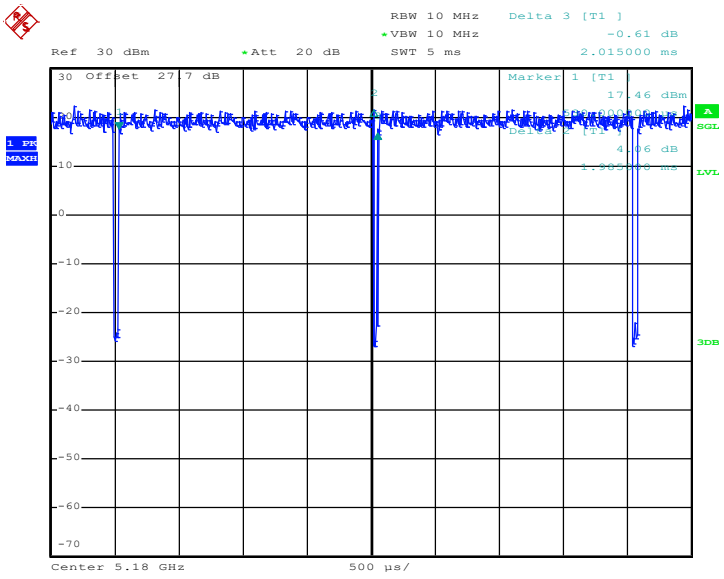
WIFI	5GHz 5725~5850MHz	
ANT	802.11ax HE80 Full LF	
1+2	Horizontal	Vertical
QP / Peak		

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	98.30	-	-	10Hz	0.07
1+2	802.11a for Ant. 2	98.30	-	-	10Hz	0.07
1+2	5GHz 802.11n HT20 for Ant. 1	95.90	5455	0.18	300Hz	0.18
1+2	5GHz 802.11n HT20 for Ant. 2	95.80	5420	0.18	300Hz	0.19
1+2	5GHz 802.11n HT40 for Ant. 1	95.40	5400	0.19	300Hz	0.20
1+2	5GHz 802.11n HT40 for Ant. 2	95.40	5400	0.19	300Hz	0.20
1+2	5GHz 802.11ac VHT80 for Ant. 1	98.00	-	-	10Hz	0.09
1+2	5GHz 802.11ac VHT80 for Ant. 2	98.00	-	-	10Hz	0.09
1+2	5GHz 802.11ax HE20_Full RU for Ant. 1	97.70	5445	0.18	300Hz	0.10
1+2	5GHz 802.11ax HE20_Full RU for Ant. 2	97.70	5455	0.18	300Hz	0.10
1+2	5GHz 802.11ax HE20_26 RU for Ant. 1	91.80	1700	0.59	1kHz	0.37
1+2	5GHz 802.11ax HE20_26 RU for Ant. 2	91.80	1680	0.60	1kHz	0.37
1+2	5GHz 802.11ax HE20_52 RU for Ant. 1	36.20	590	1.69	3kHz	4.41
1+2	5GHz 802.11ax HE20_52 RU for Ant. 2	36.00	610	1.64	3kHz	4.44
1+2	5GHz 802.11ax HE20_106 RU for Ant. 1	19.20	295	3.39	10kHz	7.17
1+2	5GHz 802.11ax HE20_106 RU for Ant. 2	19.20	270	3.70	10kHz	7.17
1+2	5GHz 802.11ax HE40_Full RU for Ant. 1	92.00	5470	0.18	300Hz	0.36
1+2	5GHz 802.11ax HE40_Full RU for Ant. 2	92.20	5420	0.18	300Hz	0.35
1+2	5GHz 802.11ax HE40_242 RU for Ant. 1	19.30	245	4.08	10kHz	7.14
1+2	5GHz 802.11ax HE40_242 RU for Ant. 2	19.00	235	4.26	10kHz	7.21
1+2	5GHz 802.11ax HE80_Full RU for Ant. 1	99.50	-	-	10Hz	0.02
1+2	5GHz 802.11ax HE80_Full RU for Ant. 2	99.60	-	-	10Hz	0.02
1+2	5GHz 802.11ax HE80_242 RU for Ant. 1	12.30	175	5.71	10kHz	9.10
1+2	5GHz 802.11ax HE80_242 RU for Ant. 2	12.20	175	5.71	10kHz	9.14

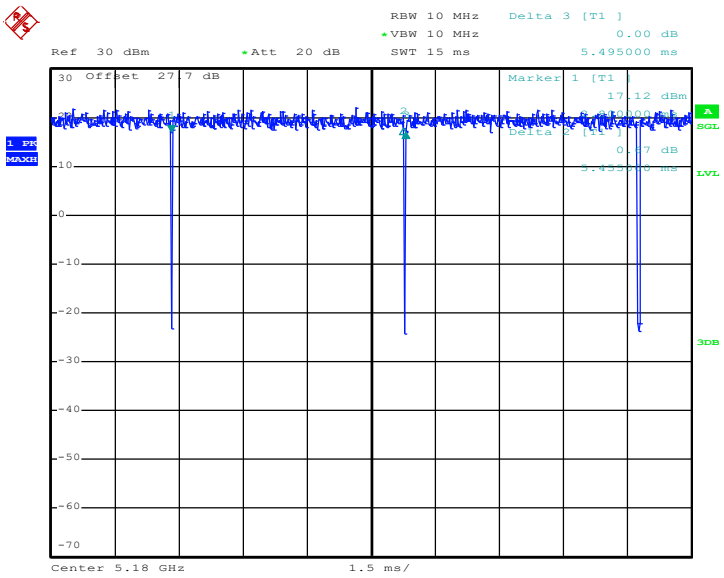
MIMO <Ant. 1>

802.11a



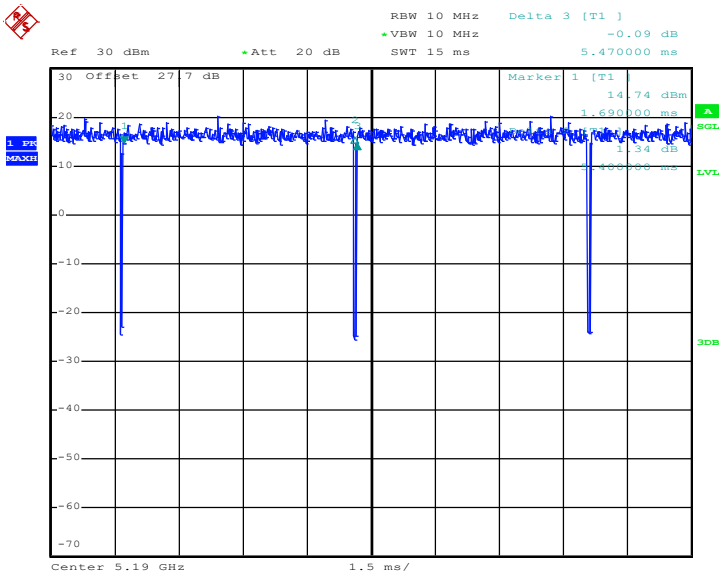
Date: 24.DEC.2019 22:59:54

802.11n HT20



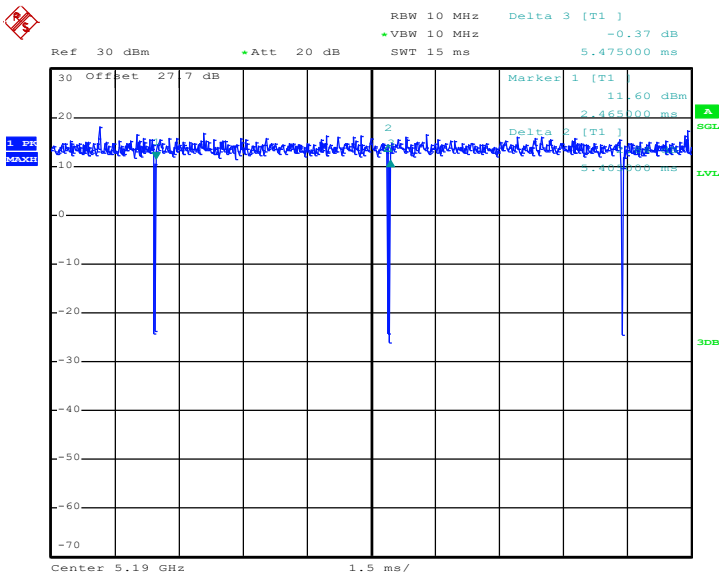
Date: 24.DEC.2019 23:38:03

802.11n HT40



Date: 24.DEC.2019 23:49:55

802.11ac VHT80



Date: 25.DEC.2019 00:06:56

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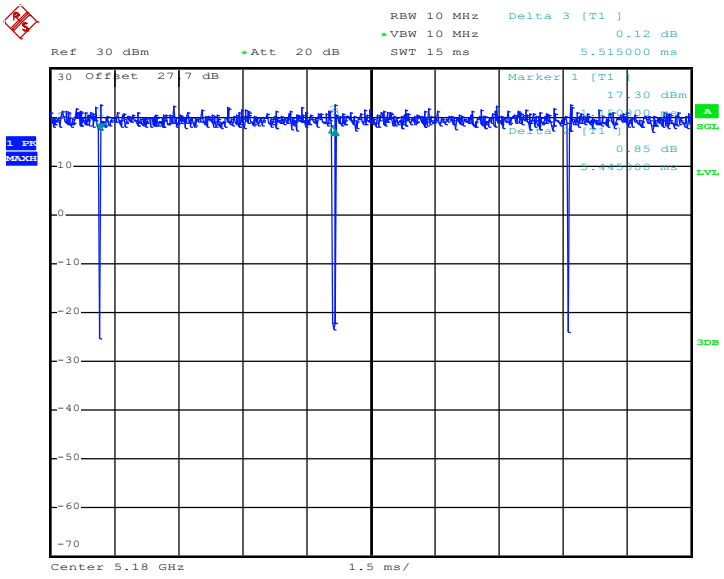

Date: 24.DEC.2019 23:45:03

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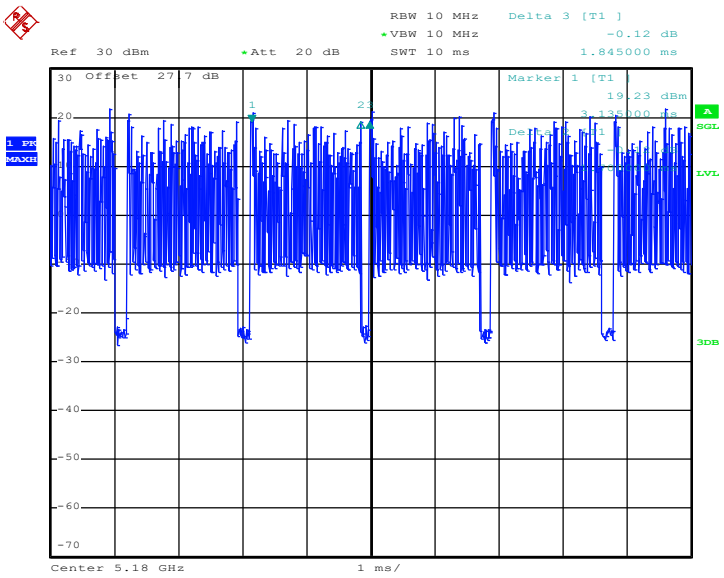

Date: 1.JAN.2020 05:29:44

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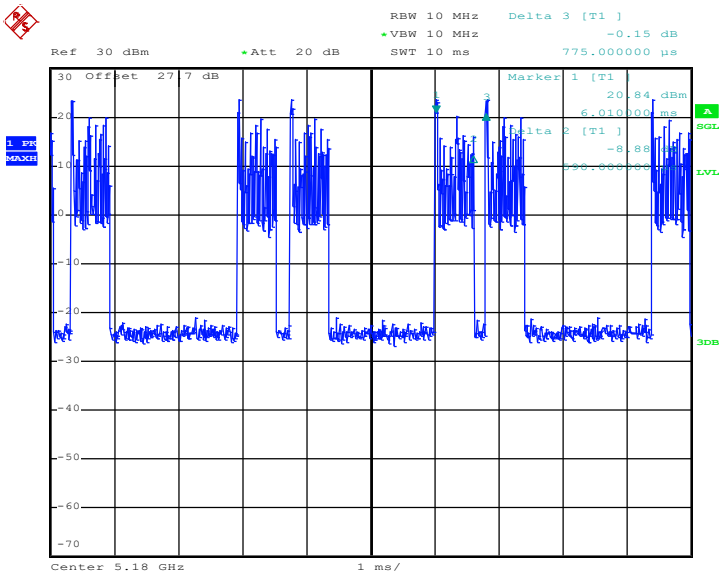

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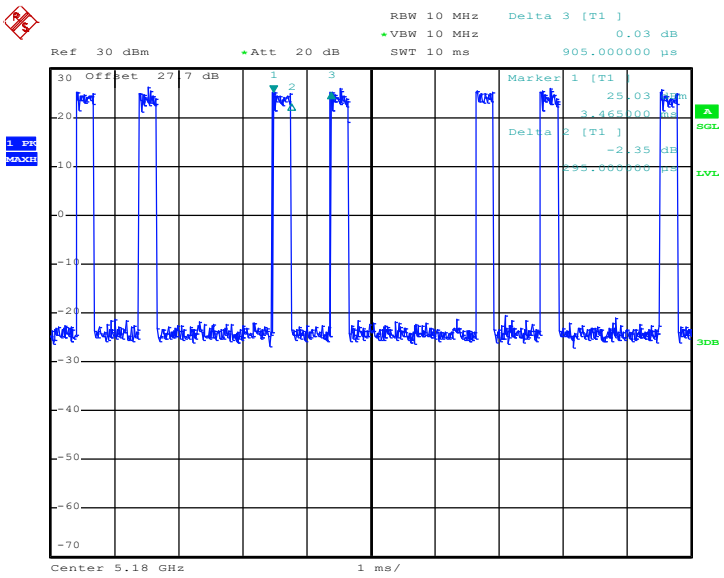

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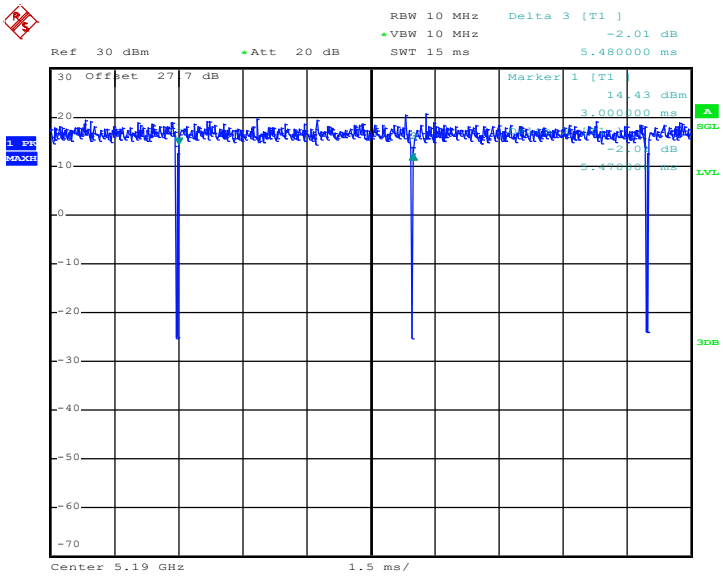

Date: 24.DEC.2019 23:59:14

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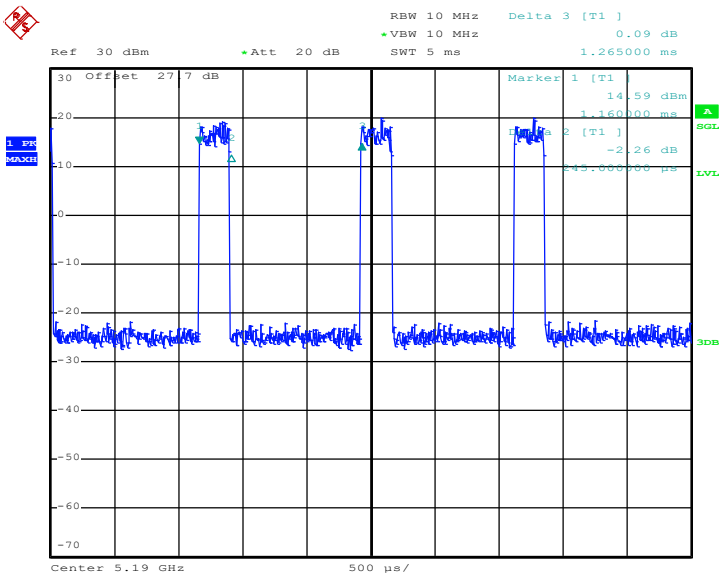

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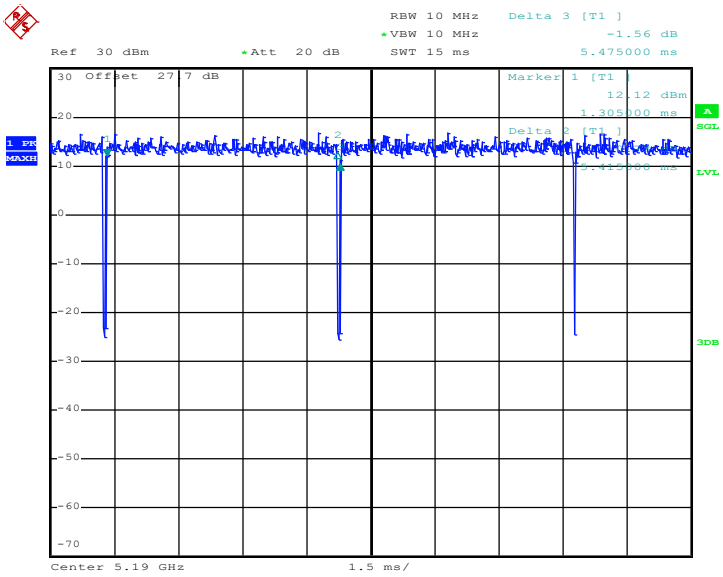

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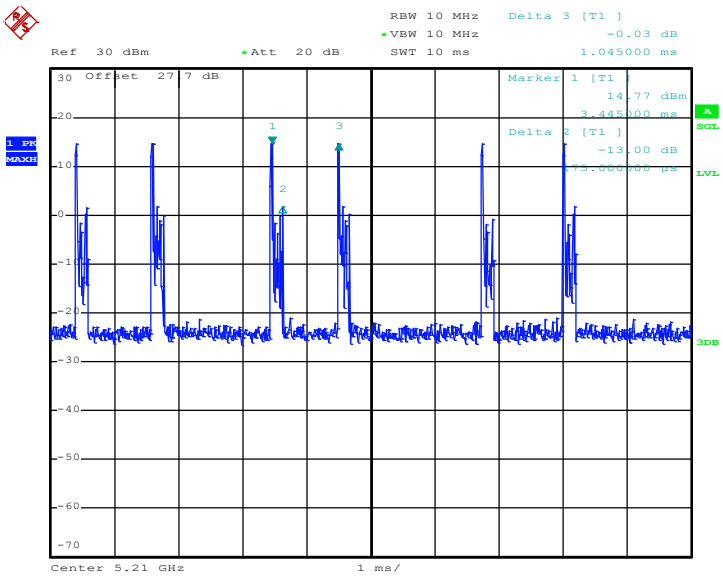

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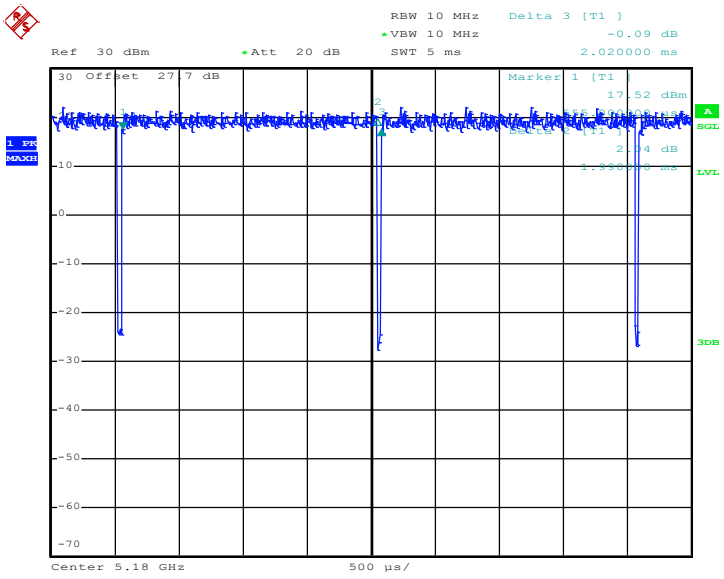
802.11a



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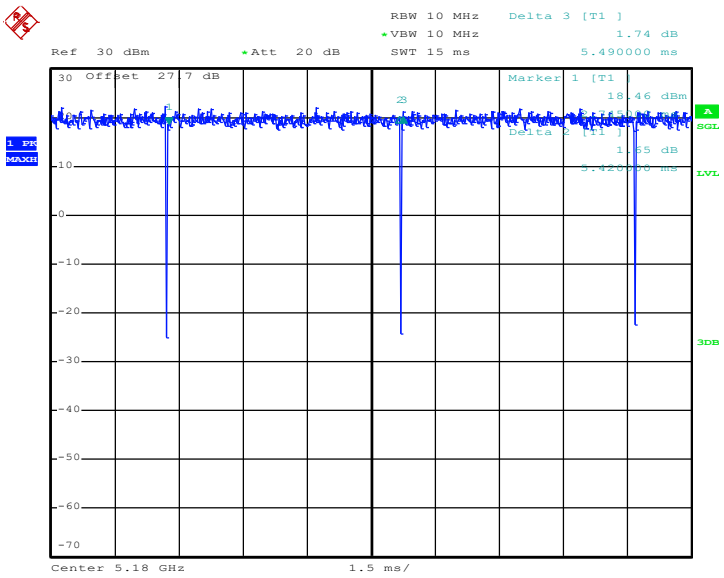

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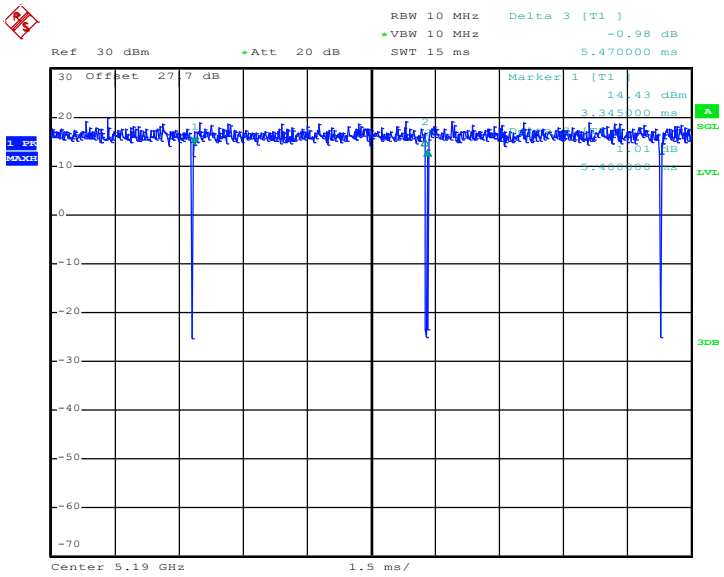

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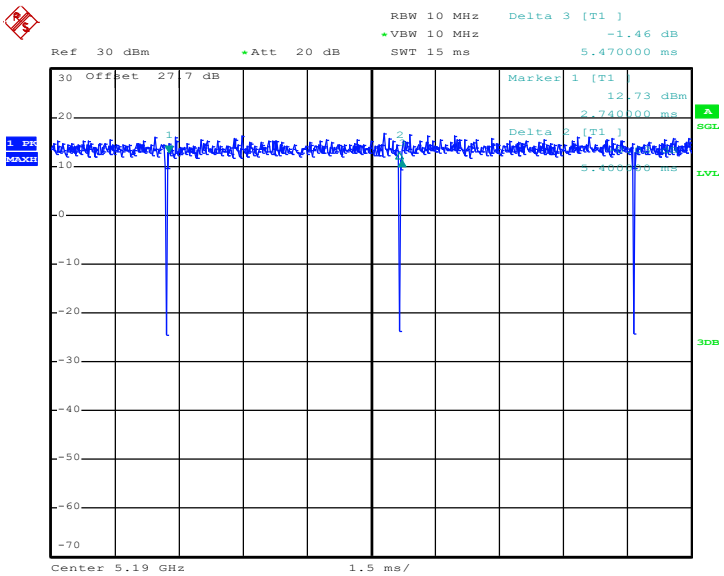

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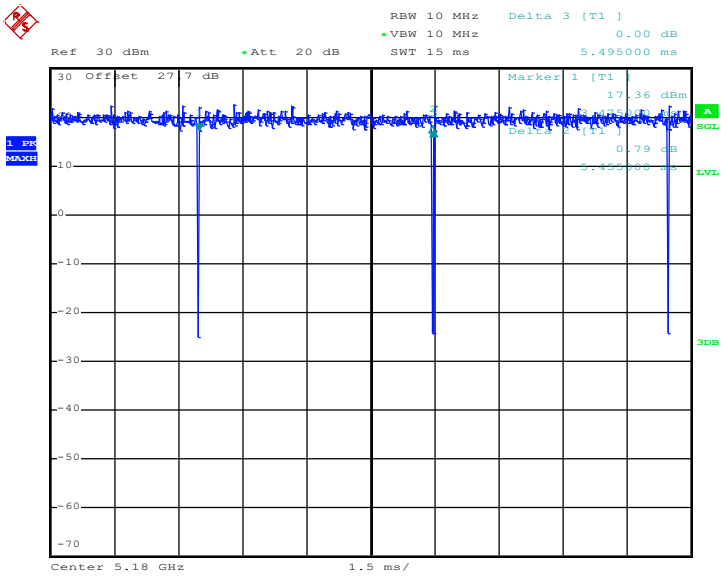

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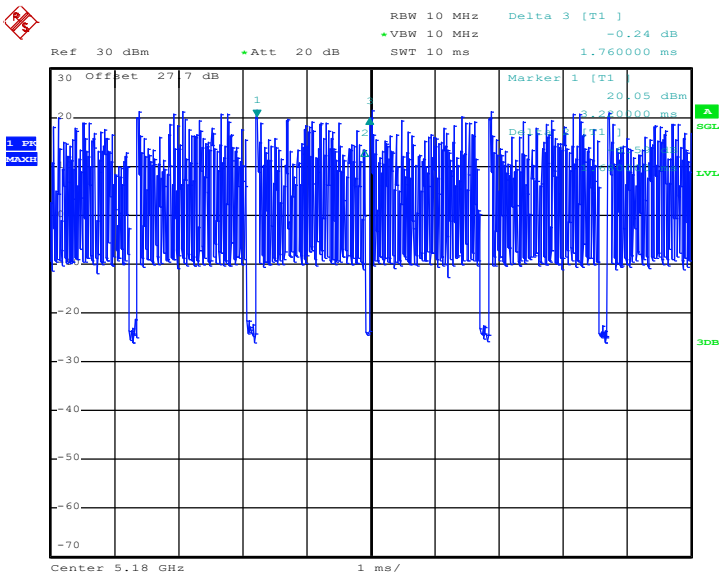

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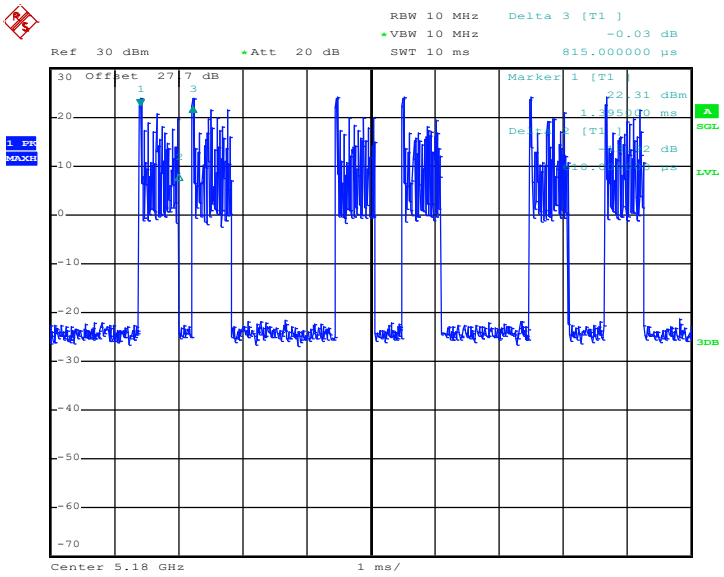

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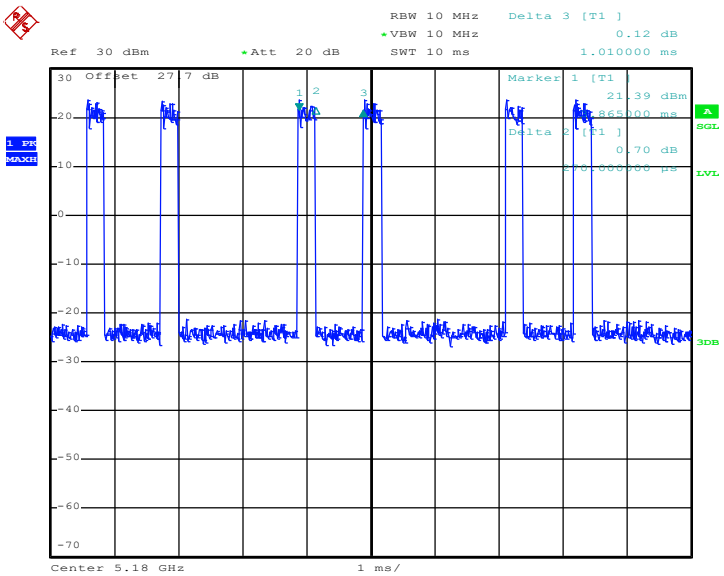

Date: 1.JAN.2020 05:41:00

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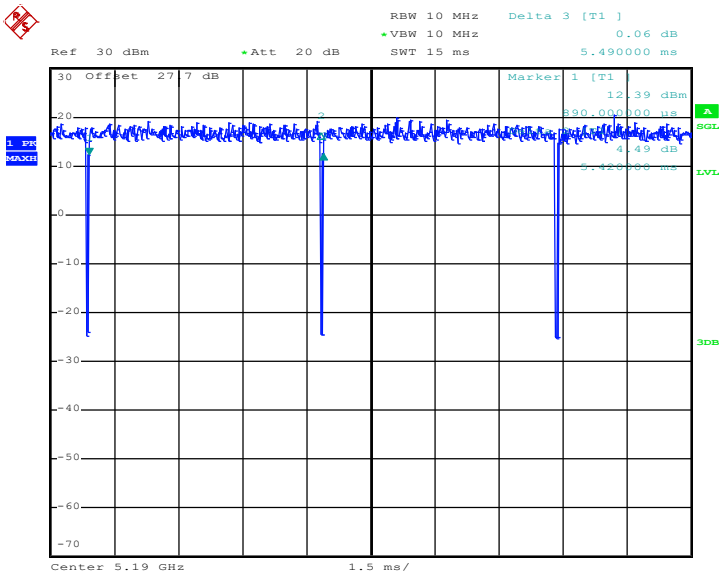

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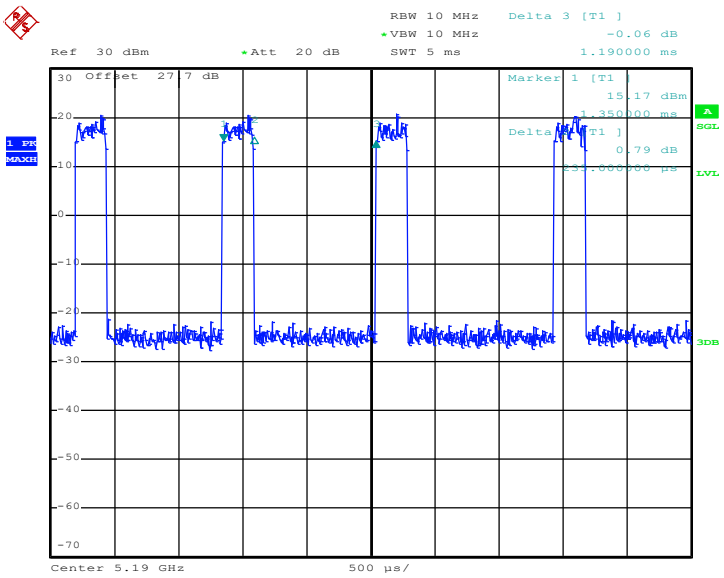

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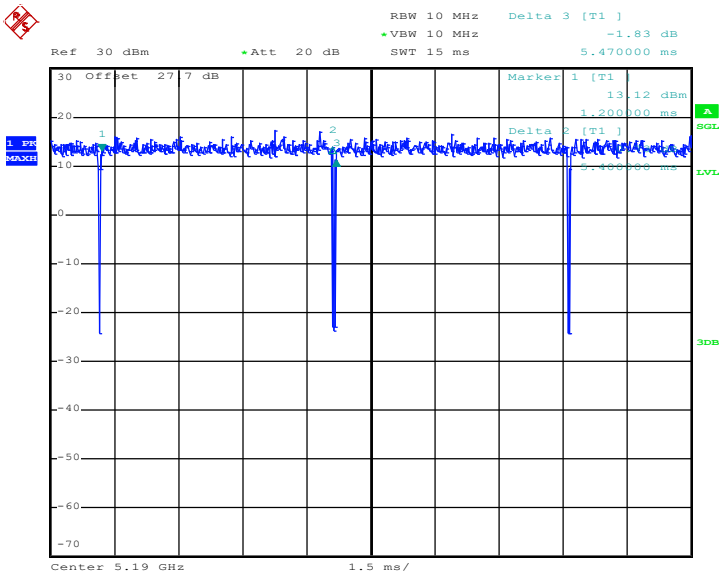

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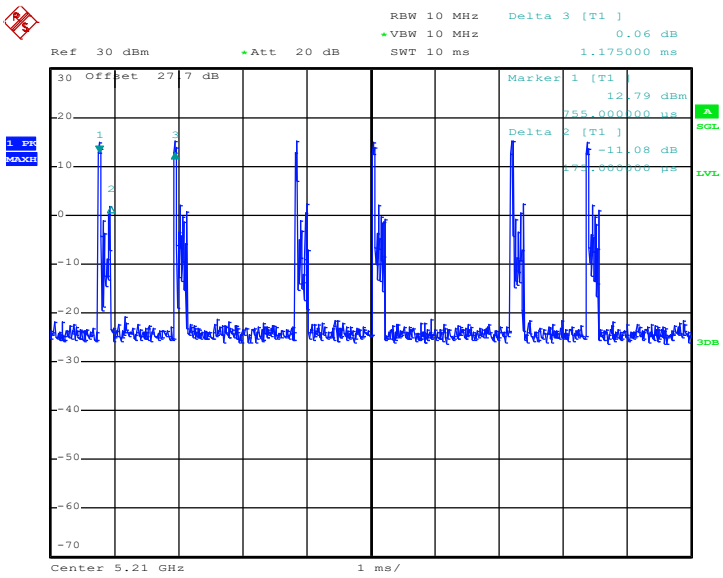

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