FCC RADIO TEST REPORT

FCC ID	**:**	**UZ7EC55AK**
Equipment	**:**	**Enterprise Computer**
Brand Name	**:**	**Zebra**
Model Name	**:**	**EC55AK**
Applicant	**:**	**Zebra Technologies Corporation** **1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	**:**	**Zebra Technologies Corporation** **1 Zebra Plaza, Holtsville, NY 11742**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Jul. 22, 2020 and testing was started from Aug. 06, 2020 and completed on Sep. 23, 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 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
FR070401F	01	Initial issue of report	Oct. 27, 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 3.04 dB at 5644.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 16.96 dB at 0.170 MHz
3.6	15.407 (c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 & 15.407 (a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang
Report Producer: Amy Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Enterprise Computer
Brand Name	Zebra
Model Name	EC55AK
FCC ID	UZ7EC55AK
EUT supports Radios application	WCDMA/HSPA/LTE/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	EV2
SW Version	Android version 10
FW Version	10-13-12.00-QG-U00-PRD-HEL-04
MFD	22JUN20 17JUN20
EUT Stage	Engineering Sample

Remark: The above EUT's information was declared by manufacturer.

Specification of Accessories				
AC Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V15W0US
USB TYPE-C to TYPE-C cable	**Brand Name**	Zebra	**Part Number**	CBL-EC5X-USBC3A-01
Battery 1	**Brand Name**	Zebra	**Part Number**	BT-000424-00
Battery 2	**Brand Name**	Zebra	**Part Number**	BT-000424-08
Earphone 1	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
Earphone 2	**Brand Name**	Zebra	**Part Number**	HS2100-OTH
USB TYPE C to 3.5mm audio connector	**Brand Name**	Symbol	**Part Number**	ADP-USBC-35MM1-01
3.5mm Jack 43"(1.1m) Standard Cable	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-3MS1-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-EC5X-SNP1-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-EC5X-HLSTR1-01
Protective Boot	**Brand Name**	Zebra	**Part Number**	SG-EC5X-BOOT1-01

Sample List				
	Sample 1	**Sample 2**	**Sample 3**	**Sample 4**
Operating System	ANDROID	ANDROID	ANDROID	ANDROID
RAM	3GB	3GB	4GB	4GB
FLASH	32GB	32GB	64GB	64GB
Scanner	NO	SE4100	SE4100	SE4100
Front Camera	5MP	NO	5MP	5MP
Rear Camera	13MP	13MP	13MP	13MP
	MICRO SD	MICRO SD	MICRO SD	MICRO SD
	GMS	GMS	GMS	GMS
Back connector	NO I/O CONNECTOR	2-PIN	2-PIN	8-PIN
	US	US	US	US

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna <CDD Modes>	**<Ant. 0>** 802.11a : 17.40 dBm / 0.0550 W 802.11n HT20 : 17.30 dBm / 0.0537 W 802.11n HT40 : 17.30 dBm / 0.0537 W 802.11ac VHT20: 17.40 dBm / 0.0550 W 802.11ac VHT40: 17.40 dBm / 0.0550 W 802.11ac VHT80: 17.40 dBm / 0.0550 W **<Ant. 1>** 802.11a : 17.40 dBm / 0.0550 W 802.11n HT20 : 17.30 dBm / 0.0537 W 802.11n HT40 : 17.30 dBm / 0.0537 W 802.11ac VHT20: 17.40 dBm / 0.0550 W 802.11ac VHT40: 17.40 dBm / 0.0550 W 802.11ac VHT80: 17.20 dBm / 0.0525 W **MIMO <Ant. 0+1>** 802.11a : 19.91 dBm / 0.0979 W 802.11n HT20 : 19.76 dBm / 0.0946 W 802.11n HT40 : 19.71 dBm / 0.0935 W 802.11ac VHT20: 19.86 dBm / 0.0968 W 802.11ac VHT40: 19.81 dBm / 0.0957 W 802.11ac VHT80: 19.86 dBm / 0.0968 W
Maximum Output Power <TXBF Modes>	**MIMO <Ant. 0+1>** 802.11ac VHT20: 19.56 dBm / 0.0904 W 802.11ac VHT40: 19.61 dBm / 0.0914 W 802.11ac VHT80: 19.52 dBm / 0.0895 W

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>99% Occupied Bandwidth
<CDD Modes></td><td><Ant. 0>
802.11a : 16.70 MHz
802.11ac VHT20 : 17.90 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 76.68 MHz
<Ant. 1>
802.11a : 16.75 MHz
802.11ac VHT20 : 17.90 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 77.04 MHz
MIMO <Ant. 0>
802.11a : 16.75 MHz
802.11ac VHT20 : 17.90 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 76.80 MHz
MIMO <Ant. 1>
802.11a : 16.70 MHz
802.11ac VHT20 : 17.85 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 76.80 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO <Ant. 0>
802.11ac VHT20 : 18.03 MHz
802.11ac VHT40 : 36.76 MHz
802.11ac VHT80 : 76.84 MHz
MIMO <Ant. 1>
802.11ac VHT20 : 17.88 MHz
802.11ac VHT40 : 36.66 MHz
802.11ac VHT80 : 76.84 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td>Ant. 0: PIFA Antenna with gain 1.60 dBi
Ant. 1: PIFA Antenna with gain 3.00 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 0</th><th>Ant. 1</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11ac TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Note: MIMO Ant. 0+1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.

1.3 Modification of EUT

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

1.4 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.**
	03CH13-HY

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (CDD Mode: X plane; TXBF Mode: Z plane with Notebook) were recorded in this report.

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

2.1 Carrier Frequency and Channel

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

Note:

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

2.2 Test Mode

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

CDD Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

TXBF Mode

Modulation	Data Rate
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS6

Test Cases	
AC Conducted Emission	Mode 1 :WCDMA Band V Idle + WLAN (5GHz) Link + Bluetooth Link + NFC On + Battery 1 + GPS Rx + USB Cable + USB Type-C 2.0 with Adapter + SIM 1 for Sample 2
Remark: For Radiated Test Cases, the tests were performed with Battery 1, and Sample 1	

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

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

<CDD Mode>
<Ant. 0>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		6M		9M	12M	18M	24M	36M	48M	54M
CH 149	5745	17.30	CH 165	17.30	17.30	17.30	17.10	17.30	17.30	17.30
CH 157	5785	17.20								
CH 165	5825	**17.40**								

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 149	5745	**17.30**	CH 149	17.20	17.20	17.20	17.10	17.10	17.20	17.20
CH 157	5785	**17.30**								
CH 165	5825	17.20								

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 151	5745	17.20	CH 159	17.20	17.20	17.10	17.00	17.00	17.00	17.00
CH 159	5785	**17.30**								

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	**17.40**	CH 149	17.30	17.30	17.30	17.20	17.20	17.30	17.30	17.30
CH 157	5785	**17.40**									
CH 165	5825	17.30									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	17.30	CH 159	17.30	17.30	17.20	17.10	17.10	17.10	17.10	17.20	17.10
CH 159	5795	**17.40**										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 155	5775	**17.40**	CH 155	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30

<Ant. 1>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
CH 149	5745	17.20	CH 165	17.10	17.10	17.30	17.20	17.30	17.30	17.30
CH 157	5785	17.20								
CH 165	5825	**17.40**								

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 149	5745	**17.30**	CH 149	17.20	17.20	17.20	17.10	17.10	17.20	17.10
CH 157	5785	**17.30**								
CH 165	5825	17.10								

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 151	5755	**17.30**	CH 151	17.20	17.20	17.00	17.00	17.00	17.00	17.00
CH 159	5795	**17.30**								

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	**17.40**	CH 149	17.30	17.30	17.30	17.20	17.20	17.30	17.20	17.20
CH 157	5785	**17.40**									
CH 165	5825	17.20									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	**17.40**	CH 151	17.30	17.30	17.10	17.10	17.10	17.10	17.10	17.20	17.10
CH 159	5795	**17.40**										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 155	5775	**17.20**	CH 155	17.00	17.00	16.90	17.10	17.00	17.10	17.10	17.10	17.10

MIMO <Ant. 0+1>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
CH 149	5745	19.86	CH 165	19.71	19.76	19.81	19.71	19.81	19.61	19.81
CH 157	5785	19.76								
CH 165	5825	**19.91**								

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 149	5745	19.61	CH 165	19.46	19.66	19.66	19.56	19.51	19.56	19.51
CH 157	5785	19.56								
CH 165	5825	**19.76**								

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 151	5755	19.66	CH 159	19.51	19.41	19.41	19.41	19.46	19.41	19.41
CH 159	5795	**19.71**								

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	19.71	CH 165	19.56	19.76	19.76	19.66	19.61	19.66	19.61	19.61
CH 157	5785	19.66									
CH 165	5825	**19.86**									

802.11ac VHT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	19.76	CH 159	19.61	19.51	19.51	19.51	19.56	19.51	19.51	19.51	19.51
CH 159	5795	**19.81**										

802.11ac VHT80 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 155	5775	**19.86**	CH 155	19.71	19.76	19.76	19.76	19.76	19.76	19.76	19.76	19.76

<TXBF Mode>

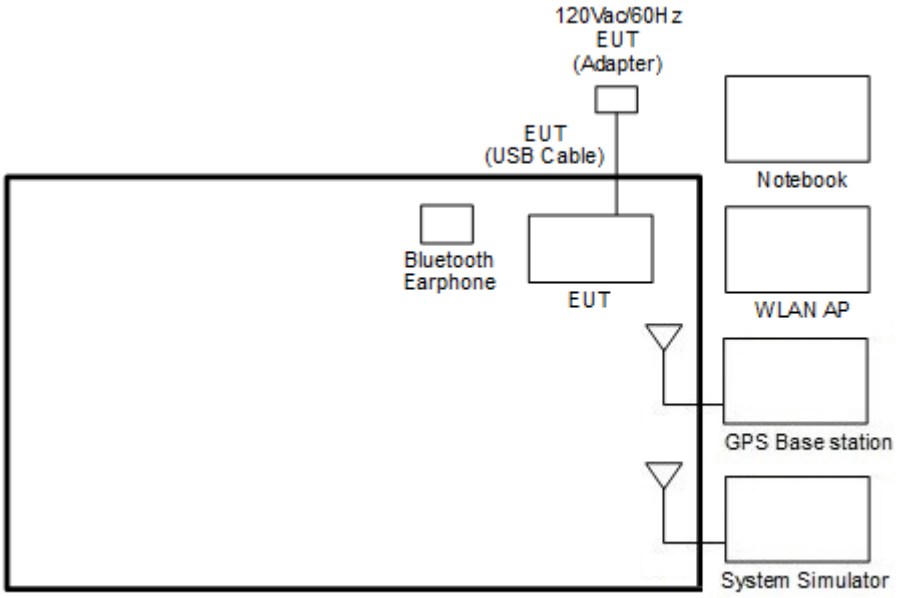
802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	19.51	CH 165	19.46	19.46	19.46	19.46	19.46	19.46	19.46	19.46
CH 157	5785	19.47									
CH 165	5825	**19.56**									

802.11ac VHT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	19.47	CH 159	19.37	19.42	19.47	19.42	19.51	19.47	19.37	19.41	19.37
CH 159	5795	**19.61**										

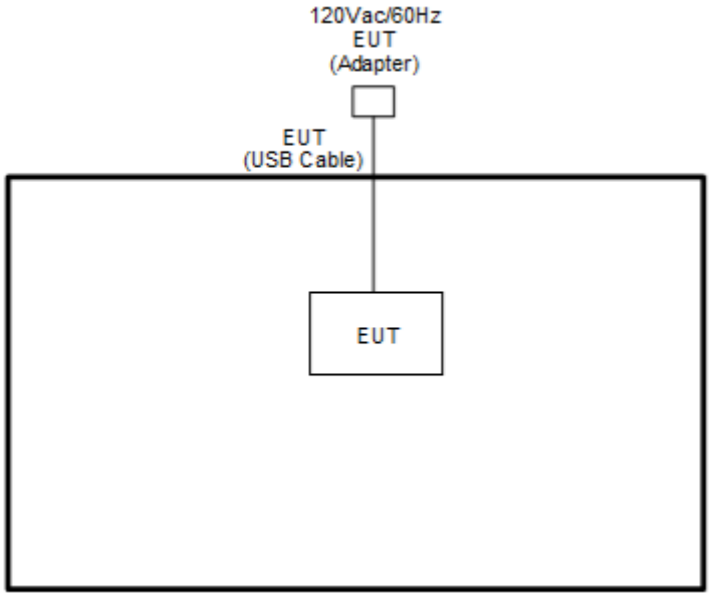
802.11ac VHT80 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps) MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 155	5775	**19.52**	CH 155	19.42	19.42	19.42	19.17	19.17	19.17	19.17	19.17	19.17

2.3 Connection Diagram of Test System

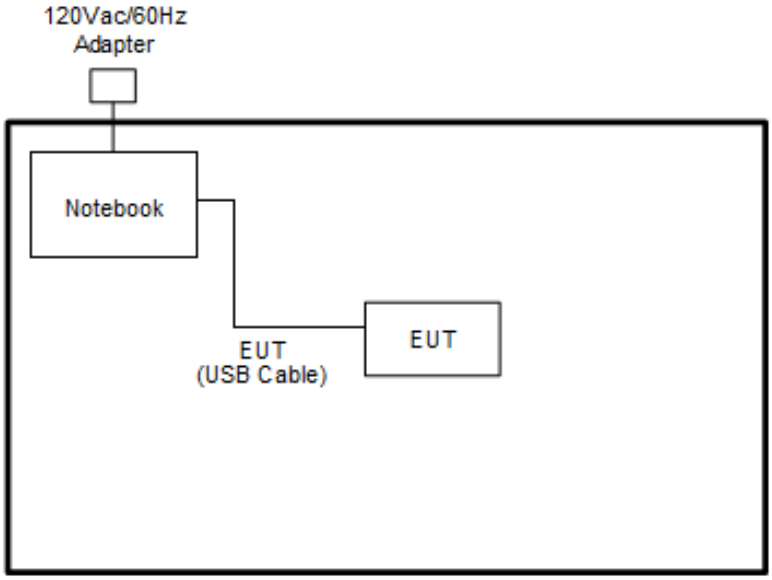
<AC Conducted Emission Mode>



<CDD Mode>



<TXBF Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
5.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	Notebook	Acer	N18Q13	PD9AX201NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	Notebook	Lenovo	L570	NA	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V4.0” 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “adb” software tool was used to enable the EUT to transmit signals continuously.

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.

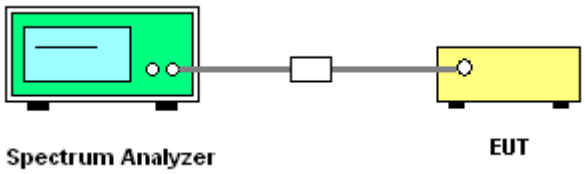
3.1.2 Measuring Instruments

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



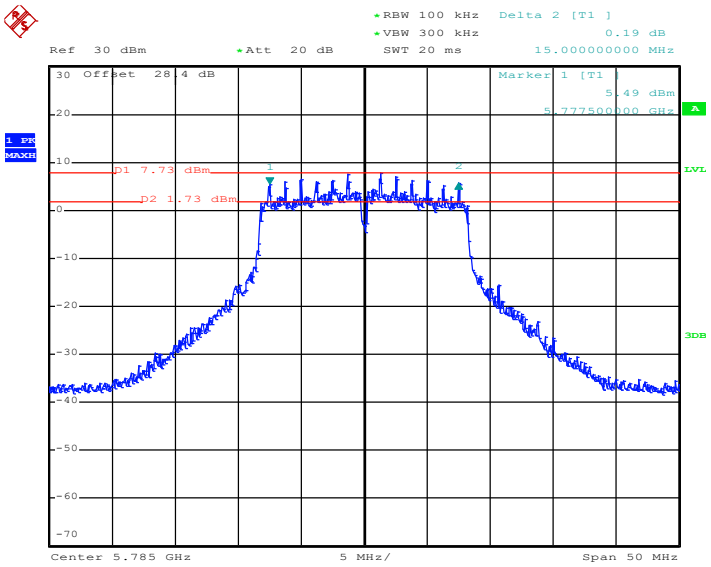
3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Test Engineer :	Kathy Chen	Temperature :	23.6~24.5℃
		Relative Humidity :	53~54.3%

<CDD Mode>

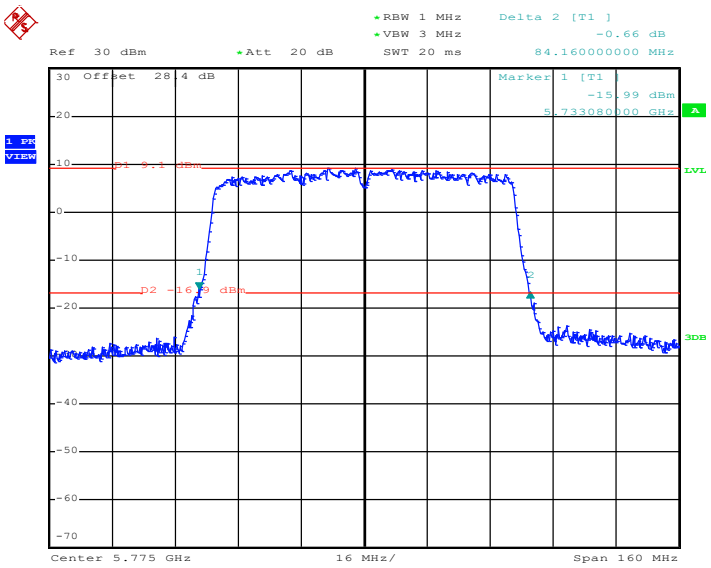
Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	149	5745	16.70	16.65	24.50	24.20	15.50	15.10	0.5	Pass
11a	6Mbps	1	157	5785	16.65	16.75	24.40	24.20	15.00	15.30	0.5	Pass
11a	6Mbps	1	165	5825	16.70	16.70	24.50	24.20	15.50	15.70	0.5	Pass
VHT20	MCS0	1	149	5745	17.85	17.85	26.00	25.25	16.50	15.70	0.5	Pass
VHT20	MCS0	1	157	5785	17.90	17.90	25.40	25.60	15.90	16.30	0.5	Pass
VHT20	MCS0	1	165	5825	17.90	17.85	25.95	25.60	16.50	16.55	0.5	Pass
VHT40	MCS0	1	151	5755	36.50	36.60	41.76	41.76	34.92	35.98	0.5	Pass
VHT40	MCS0	1	159	5795	36.60	36.60	41.76	41.58	35.82	35.64	0.5	Pass
VHT80	MCS0	1	155	5775	76.68	77.04	83.37	**84.16**	74.88	75.20	0.5	Pass
11a	6Mbps	2	149	5745	16.75	16.65	24.60	24.00	15.70	15.10	0.5	Pass
11a	6Mbps	2	157	5785	16.75	16.65	24.10	24.30	15.30	15.30	0.5	Pass
11a	6Mbps	2	165	5825	16.75	16.70	24.90	24.75	15.30	15.40	0.5	Pass
VHT20	MCS0	2	149	5745	17.85	17.80	25.30	25.60	15.45	15.10	0.5	Pass
VHT20	MCS0	2	157	5785	17.85	17.85	26.00	24.90	15.40	15.10	0.5	Pass
VHT20	MCS0	2	165	5825	17.90	17.85	26.40	25.50	15.90	15.70	0.5	Pass
VHT40	MCS0	2	151	5755	36.60	36.60	41.76	41.94	35.64	34.92	0.5	Pass
VHT40	MCS0	2	159	5795	36.60	36.50	41.67	42.06	35.28	34.92	0.5	Pass
VHT80	MCS0	2	155	5775	76.80	76.80	**83.91**	83.20	75.20	75.20	0.5	Pass

Minimum 6dB Bandwidth



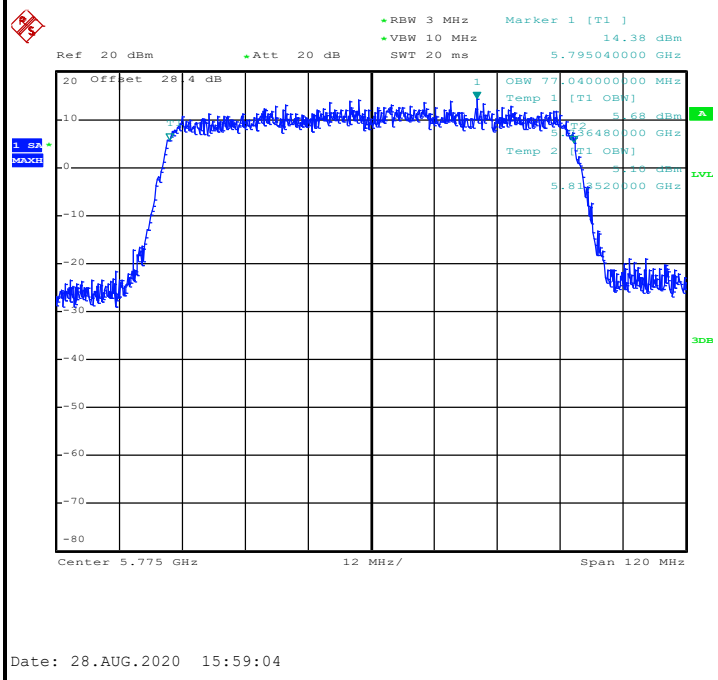
Date: 28.AUG.2020 13:55:00

Maximum 26dB Bandwidth



Date: 28.AUG.2020 15:58:07

Maximum 99% Occupied Bandwidth



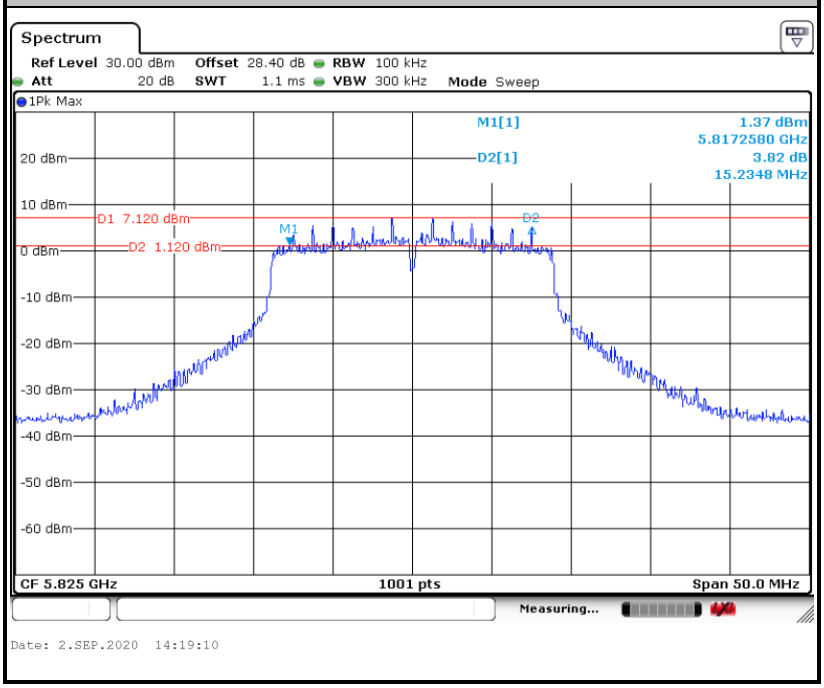
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Engineer :	Shiming Liu	Temperature :	23.7~24.5℃
		Relative Humidity :	53~53.9%

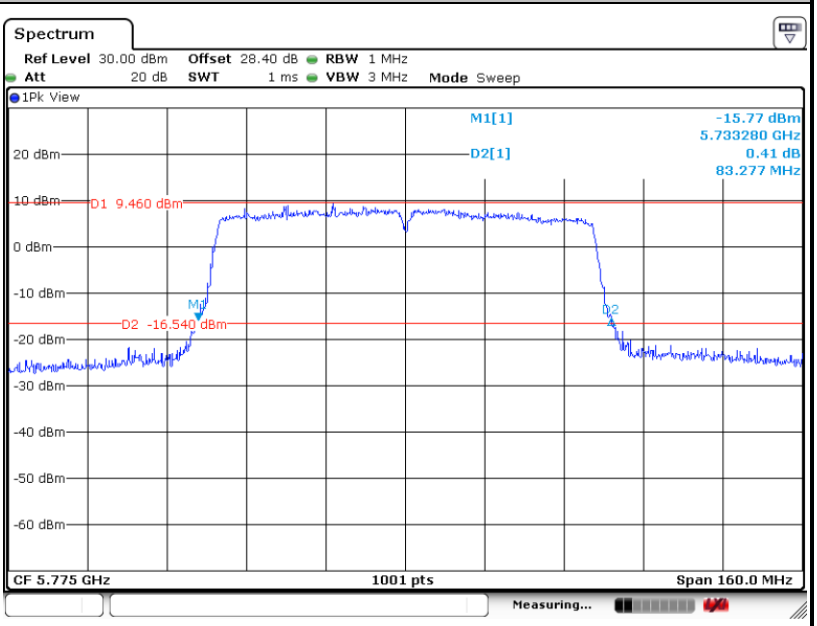
<TXBF Mode>

Band IV												
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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
VHT20	MCS0	2	149	5745	17.98	17.83	26.22	25.82	16.53	16.88	0.5	Pass
VHT20	MCS0	2	157	5785	17.98	17.88	26.32	25.87	15.48	16.28	0.5	Pass
VHT20	MCS0	2	165	5825	18.03	17.83	26.52	25.82	15.23	16.93	0.5	Pass
VHT40	MCS0	2	151	5755	36.46	36.46	41.90	41.72	35.06	35.06	0.5	Pass
VHT40	MCS0	2	159	5795	36.76	36.66	47.92	51.61	35.60	35.69	0.5	Pass
VHT80	MCS0	2	155	5775	76.84	76.84	**83.28**	81.52	75.13	75.60	0.5	Pass

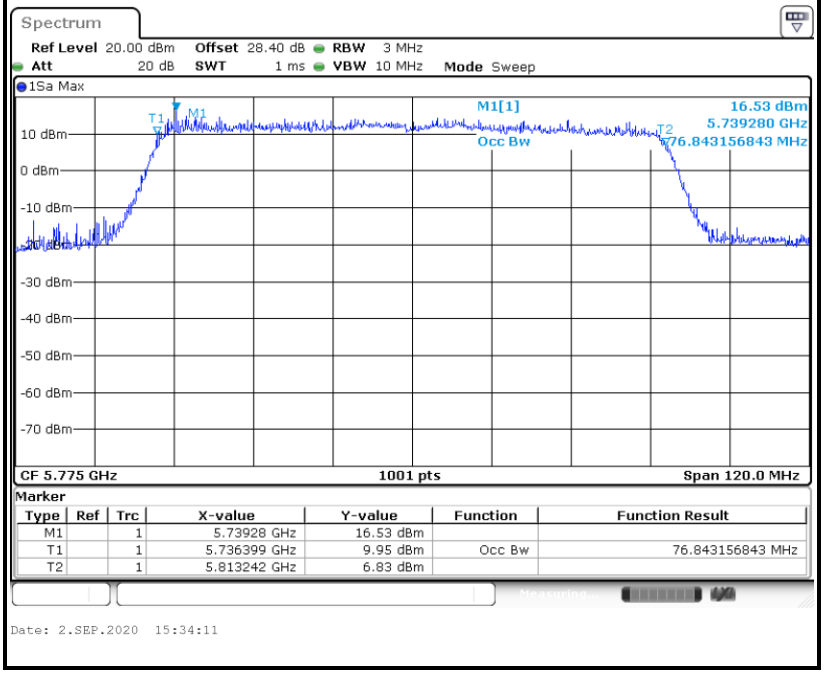
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

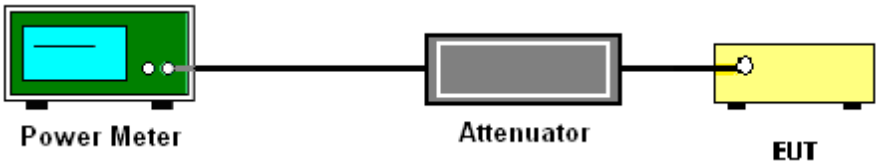
3.2.3 Test Procedures

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

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

Test Engineer :	Kathy Chen	Temperature :	23.6~24.5℃
		Relative Humidity :	53~54.3%

<CDD Mode>

Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	149	5745	17.30	17.20		30.00	30.00	1.60	3.00	Pass
11a	6Mbps	1	157	5785	17.20	17.20		30.00	30.00	1.60	3.00	Pass
11a	6Mbps	1	165	5825	17.40	17.40		30.00	30.00	1.60	3.00	Pass
HT20	MCS0	1	149	5745	17.30	17.30		30.00	30.00	1.60	3.00	Pass
HT20	MCS0	1	157	5785	17.30	17.30		30.00	30.00	1.60	3.00	Pass
HT20	MCS0	1	165	5825	17.20	17.10		30.00	30.00	1.60	3.00	Pass
HT40	MCS0	1	151	5755	17.20	17.30		30.00	30.00	1.60	3.00	Pass
HT40	MCS0	1	159	5795	17.30	17.30		30.00	30.00	1.60	3.00	Pass
VHT20	MCS0	1	149	5745	17.40	17.40		30.00	30.00	1.60	3.00	Pass
VHT20	MCS0	1	157	5785	17.40	17.40		30.00	30.00	1.60	3.00	Pass
VHT20	MCS0	1	165	5825	17.30	17.20		30.00	30.00	1.60	3.00	Pass
VHT40	MCS0	1	151	5755	17.30	17.40		30.00	30.00	1.60	3.00	Pass
VHT40	MCS0	1	159	5795	17.40	17.40		30.00	30.00	1.60	3.00	Pass
VHT80	MCS0	1	155	5775	17.40	17.20		30.00	30.00	1.60	3.00	Pass
11a	6Mbps	2	149	5745	16.90	16.80	19.86	30.00		3.00		Pass
11a	6Mbps	2	157	5785	16.90	16.60	19.76	30.00		3.00		Pass
11a	6Mbps	2	165	5825	16.90	16.90	**19.91**	30.00		3.00		Pass
HT20	MCS0	2	149	5745	16.60	16.60	19.61	30.00		3.00		Pass
HT20	MCS0	2	157	5785	16.70	16.40	19.56	30.00		3.00		Pass
HT20	MCS0	2	165	5825	16.70	16.80	19.76	30.00		3.00		Pass
HT40	MCS0	2	151	5755	16.70	16.60	19.66	30.00		3.00		Pass
HT40	MCS0	2	159	5795	16.80	16.60	19.71	30.00		3.00		Pass
VHT20	MCS0	2	149	5745	16.70	16.70	19.71	30.00		3.00		Pass
VHT20	MCS0	2	157	5785	16.80	16.50	19.66	30.00		3.00		Pass
VHT20	MCS0	2	165	5825	16.80	16.90	19.86	30.00		3.00		Pass
VHT40	MCS0	2	151	5755	16.80	16.70	19.76	30.00		3.00		Pass
VHT40	MCS0	2	159	5795	16.90	16.70	19.81	30.00		3.00		Pass
VHT80	MCS0	2	155	5775	16.90	16.80	19.86	30.00		3.00		Pass

Test Engineer :	Shiming Liu	Temperature :	23.7~24.5℃
		Relative Humidity :	53~53.9%

<TXBF Mode>

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
VHT20	MCS0	2	149	5745	16.60	16.40	19.51	30.00		5.34		Pass
VHT20	MCS0	2	157	5785	16.70	16.20	19.47	30.00		5.34		Pass
VHT20	MCS0	2	165	5825	16.70	16.40	19.56	30.00		5.34		Pass
VHT40	MCS0	2	151	5755	16.70	16.20	19.47	30.00		5.34		Pass
VHT40	MCS0	2	159	5795	16.80	16.40	**19.61**	30.00		5.34		Pass
VHT80	MCS0	2	155	5775	16.80	16.20	19.52	30.00		5.34		Pass

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.

<CDD Modes>

 # Method SA-2 #

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

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

<TXBF Modes>

 # 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

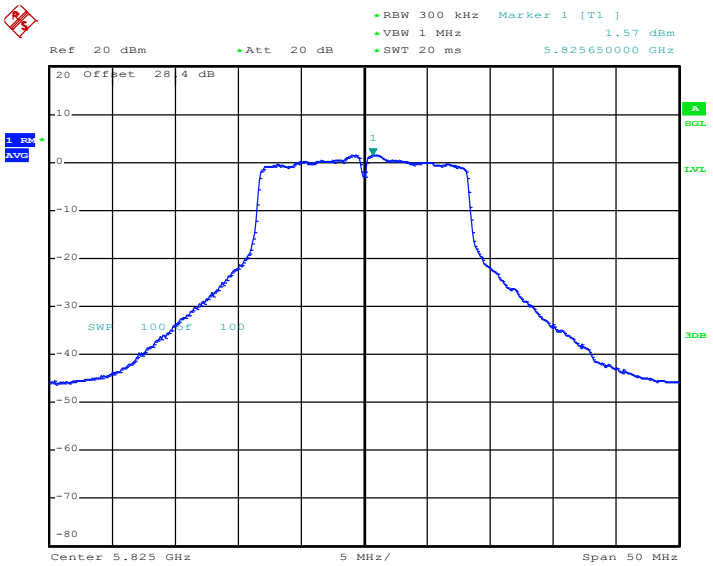
3.3.5 Test Result of Power Spectral Density

Test Engineer :	Kathy Chen	Temperature :	23.6~24.5℃
		Relative Humidity :	53~54.3%

<CDD Mode>

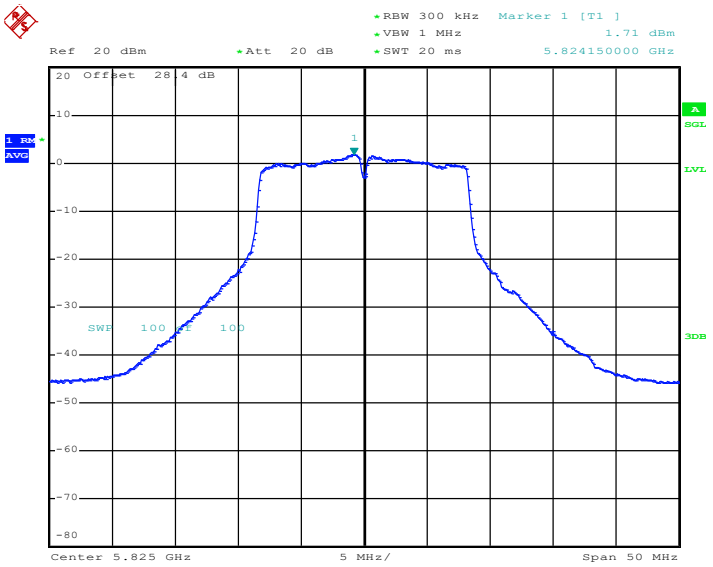
Band IV																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	149	5745	0.10	0.10	2.22	2.22	4.45	4.50		30.00	30.00	1.60	3.00	Pass
11a	6Mbps	1	157	5785	0.10	0.10	2.22	2.22	4.42	4.34		30.00	30.00	1.60	3.00	Pass
11a	6Mbps	1	165	5825	0.10	0.10	2.22	2.22	4.33	4.34		30.00	30.00	1.60	3.00	Pass
VHT20	MCS0	1	149	5745	0.09	0.11	2.22	2.22	4.46	4.51		30.00	30.00	1.60	3.00	Pass
VHT20	MCS0	1	157	5785	0.09	0.11	2.22	2.22	4.30	4.26		30.00	30.00	1.60	3.00	Pass
VHT20	MCS0	1	165	5825	0.09	0.11	2.22	2.22	3.98	3.95		30.00	30.00	1.60	3.00	Pass
VHT40	MCS0	1	151	5755	0.18	0.20	2.22	2.22	0.91	1.18		30.00	30.00	1.60	3.00	Pass
VHT40	MCS0	1	159	5795	0.18	0.20	2.22	2.22	1.04	1.08		30.00	30.00	1.60	3.00	Pass
VHT80	MCS0	1	155	5775	0.36	0.36	2.22	2.22	-1.77	-1.81		30.00	30.00	1.60	3.00	Pass
11a	6Mbps	2	149	5745	0.10	0.09	2.22		3.85	3.94	6.95	30.00		5.34		Pass
11a	6Mbps	2	157	5785	0.10	0.09	2.22		3.96	3.62	6.97	30.00		5.34		Pass
11a	6Mbps	2	165	5825	0.10	0.09	2.22		3.89	4.02	**7.03**	30.00		5.34		Pass
VHT20	MCS0	2	149	5745	0.10	0.10	2.22		3.82	3.75	6.83	30.00		5.34		Pass
VHT20	MCS0	2	157	5785	0.10	0.10	2.22		3.77	3.21	6.78	30.00		5.34		Pass
VHT20	MCS0	2	165	5825	0.10	0.10	2.22		3.45	3.55	6.56	30.00		5.34		Pass
VHT40	MCS0	2	151	5755	0.20	0.19	2.22		0.58	0.56	3.59	30.00		5.34		Pass
VHT40	MCS0	2	159	5795	0.20	0.19	2.22		0.66	0.53	3.67	30.00		5.34		Pass
VHT80	MCS0	2	155	5775	0.36	0.32	2.22		-1.94	-2.19	1.07	30.00		5.34		Pass

Worst Case Power Density (dBm/MHz) for MIMO Ant. 0



Date: 27.AUG.2020 17:16:35

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



Date: 27.AUG.2020 17:19:22

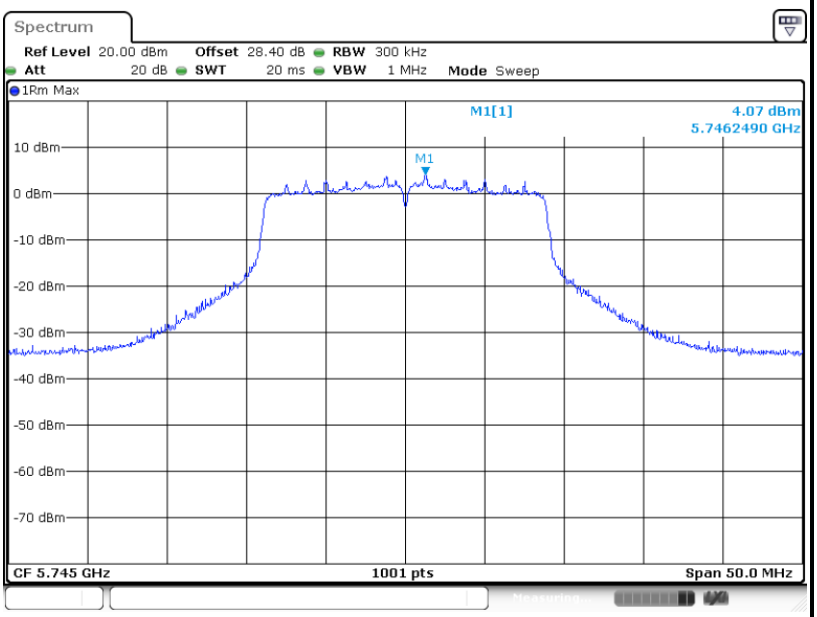
Test Engineer :	Shiming Liu	Temperature :	23.7~24.5℃
		Relative Humidity :	53~53.9%

<TXBF Mode>

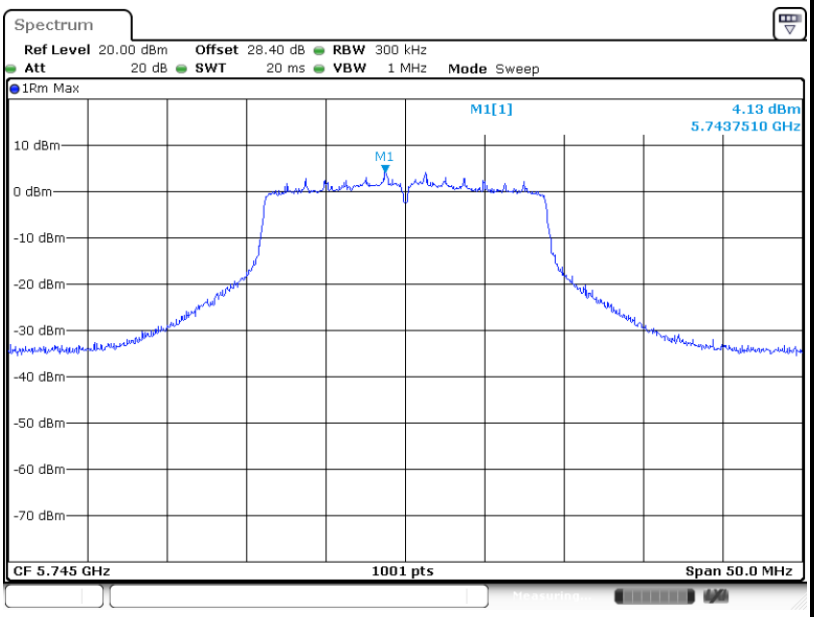
Band IV MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
VHT20	MCS0	2	149	5745	2.22		6.29	6.35	**9.36**	30.00		5.34		Pass
VHT20	MCS0	2	157	5785	2.22		6.18	5.93	9.19	30.00		5.34		Pass
VHT20	MCS0	2	165	5825	2.22		6.15	5.98	9.16	30.00		5.34		Pass
VHT40	MCS0	2	151	5755	2.22		2.67	2.33	5.68	30.00		5.34		Pass
VHT40	MCS0	2	159	5795	2.22		2.99	2.79	6.00	30.00		5.34		Pass
VHT80	MCS0	2	155	5775	2.22		0.31	0.13	3.32	30.00		5.34		Pass

<TXBF Modes>

Worst Case Power Density (dBm/MHz) for MIMO Ant. 0



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



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

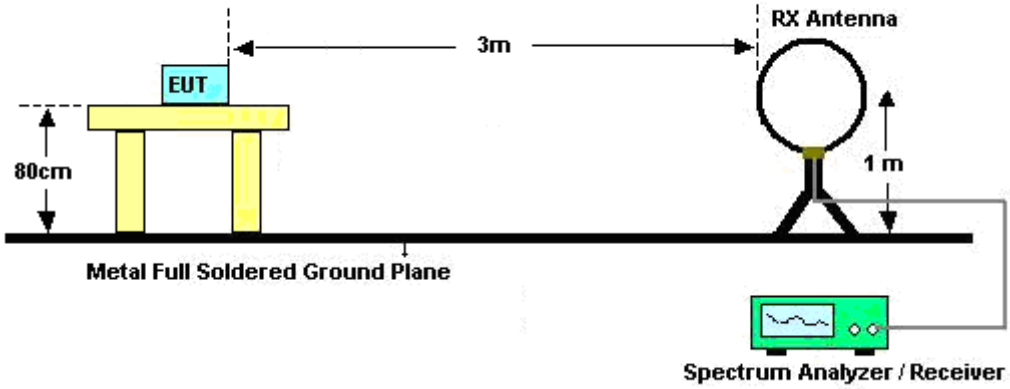
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

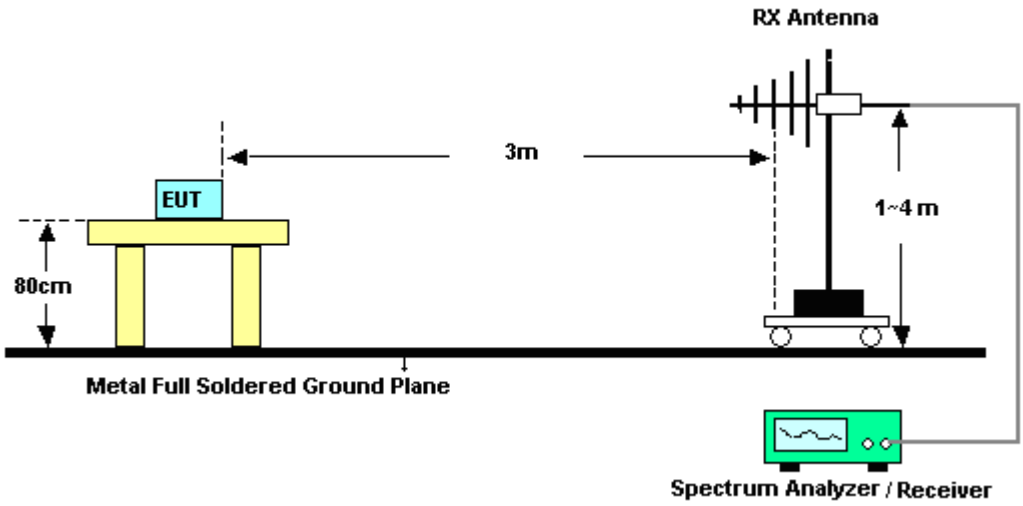
3.4.4 Test Setup

For radiated emissions below 30MHz

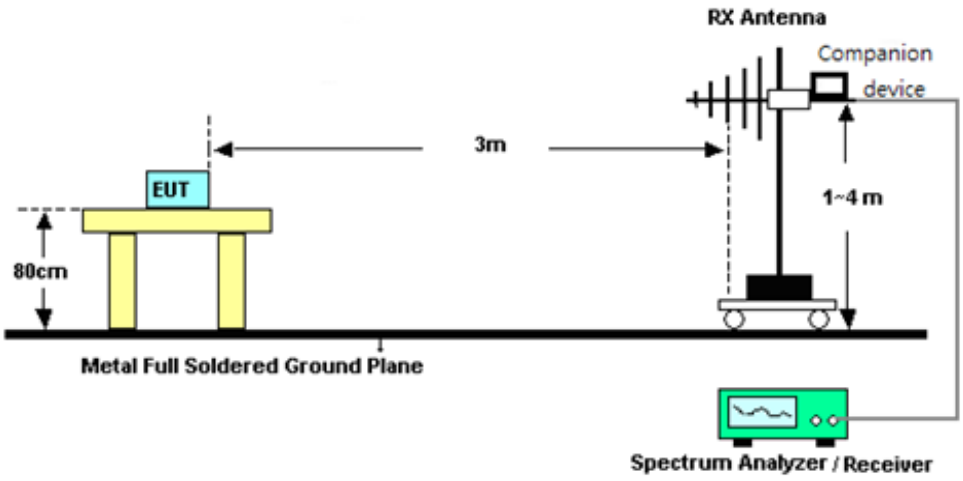


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

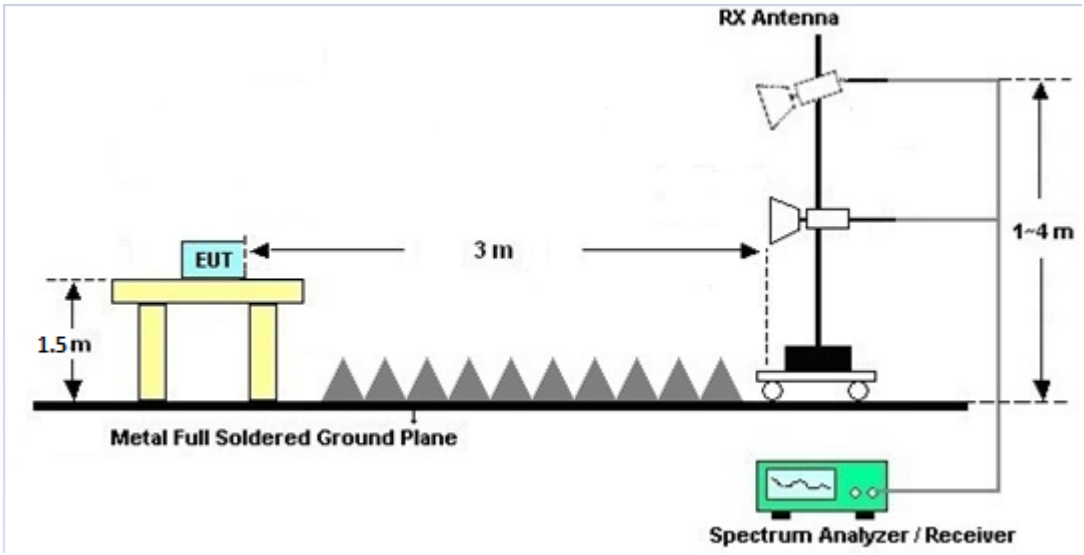


<TXBF Modes>

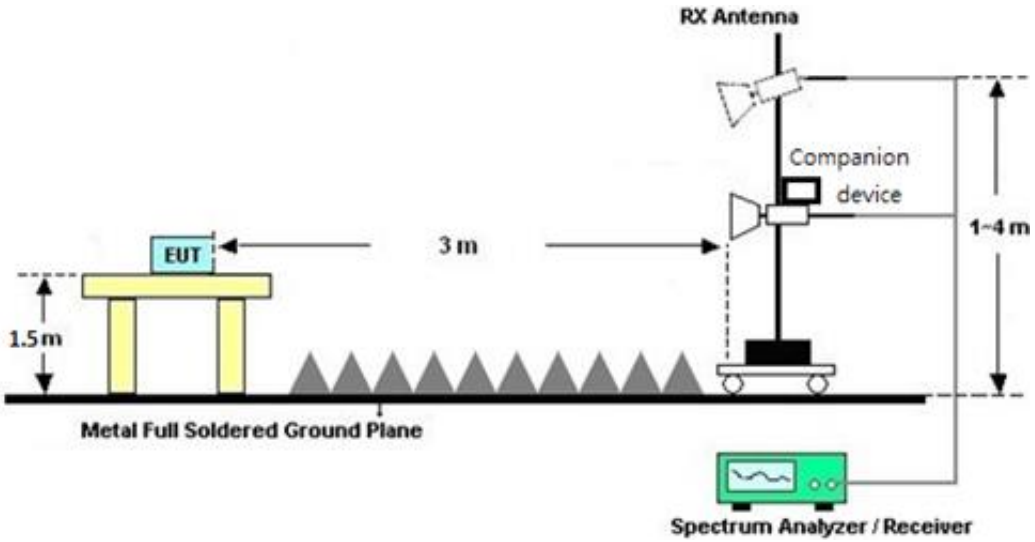


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>



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 B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

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.

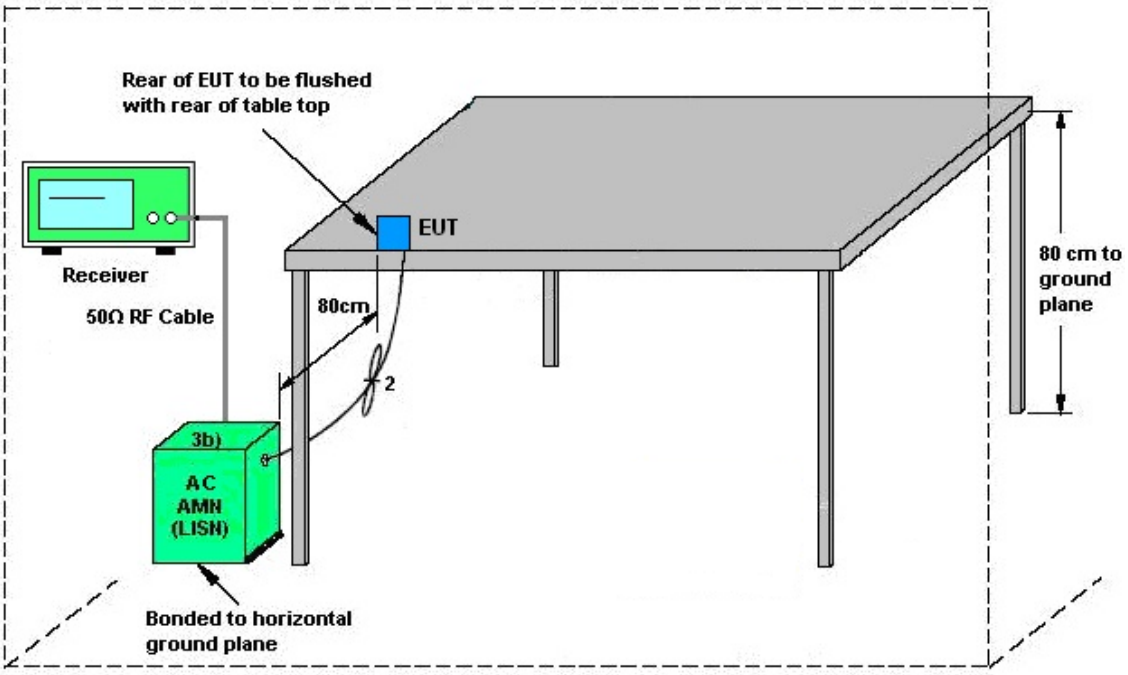
3.5.2 Measuring Instruments

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 A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	1.60	3.00	3.00	5.34	0.00	0.00

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)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.

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant 1 (dBi)	Ant 2 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	1.60	3.00	5.34	5.34	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Aug. 19, 2020~ Aug. 25, 2020	Jan. 08, 2021	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz ~ 18GHz	May 20, 2020	Aug. 19, 2020~ Aug. 25, 2020	May 19, 2021	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Apr. 29, 2020	Aug. 19, 2020~ Aug. 25, 2020	Apr. 28, 2021	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 10, 2019	Aug. 19, 2020~ Aug. 25, 2020	Dec. 09, 2020	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 28, 2019	Aug. 19, 2020~ Aug. 25, 2020	Oct. 27, 2020	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 19, 2020	Aug. 19, 2020~ Aug. 25, 2020	May 18, 2021	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 17, 2019	Aug. 19, 2020~ Aug. 25, 2020	Dec. 16, 2020	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Aug. 19, 2020~ Aug. 25, 2020	Dec. 12, 2020	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP150115	N/A	Nov. 08, 2019	Aug. 19, 2020~ Aug. 25, 2020	Nov. 07, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 12, 2020	Aug. 19, 2020~ Aug. 25, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 12, 2020	Aug. 19, 2020~ Aug. 25, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 12, 2020	Aug. 19, 2020~ Aug. 25, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 12, 2020	Aug. 19, 2020~ Aug. 25, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 12, 2020	Aug. 19, 2020~ Aug. 25, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Aug. 19, 2020~ Aug. 25, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Aug. 19, 2020~ Aug. 25, 2020	Feb. 09, 2021	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 19, 2020~ Aug. 25, 2020	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 19, 2020~ Aug. 25, 2020	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 19, 2020~ Aug. 25, 2020	N/A	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Aug. 19, 2020~ Aug. 25, 2020	N/A	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2019	Aug. 19, 2020~ Aug. 25, 2020	Oct. 31, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Mar. 12, 2020	Aug. 19, 2020~ Aug. 25, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 16, 2019	Aug. 19, 2020~ Aug. 25, 2020	Sep. 15, 2020	Radiation (03CH13-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 23, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Sep. 23, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Sep. 23, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Sep. 23, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 23, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Sep. 23, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Sep. 23, 2020	Jan. 01, 2021	Conduction (CO05-HY)
<For CDD Mode>								
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Aug. 06, 2020~ Aug. 28, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Aug. 06, 2020~ Aug. 28, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Aug. 06, 2020~ Aug. 28, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 06, 2020~ Aug. 28, 2020	Mar. 16, 2021	Conducted (TH05-HY)
<For TXBF Mode>								
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Aug. 26, 2020~ Sep. 02, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Aug. 26, 2020~ Sep. 02, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 15, 2019	Aug. 26, 2020~ Sep. 02, 2020	Nov. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 26, 2020~ Sep. 02, 2020	Mar. 16, 2021	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.8**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.8**

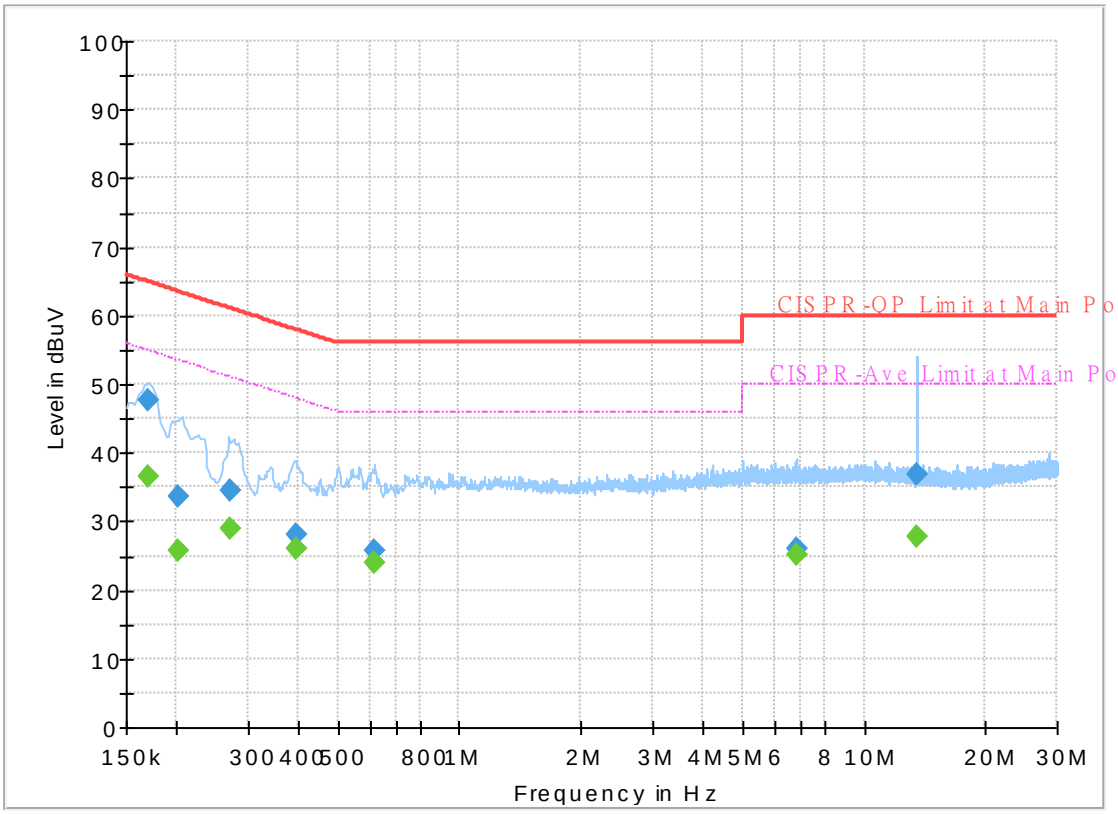
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	24~26℃
		Relative Humidity :	42~50%

EUT Information

Report NO :	070401
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



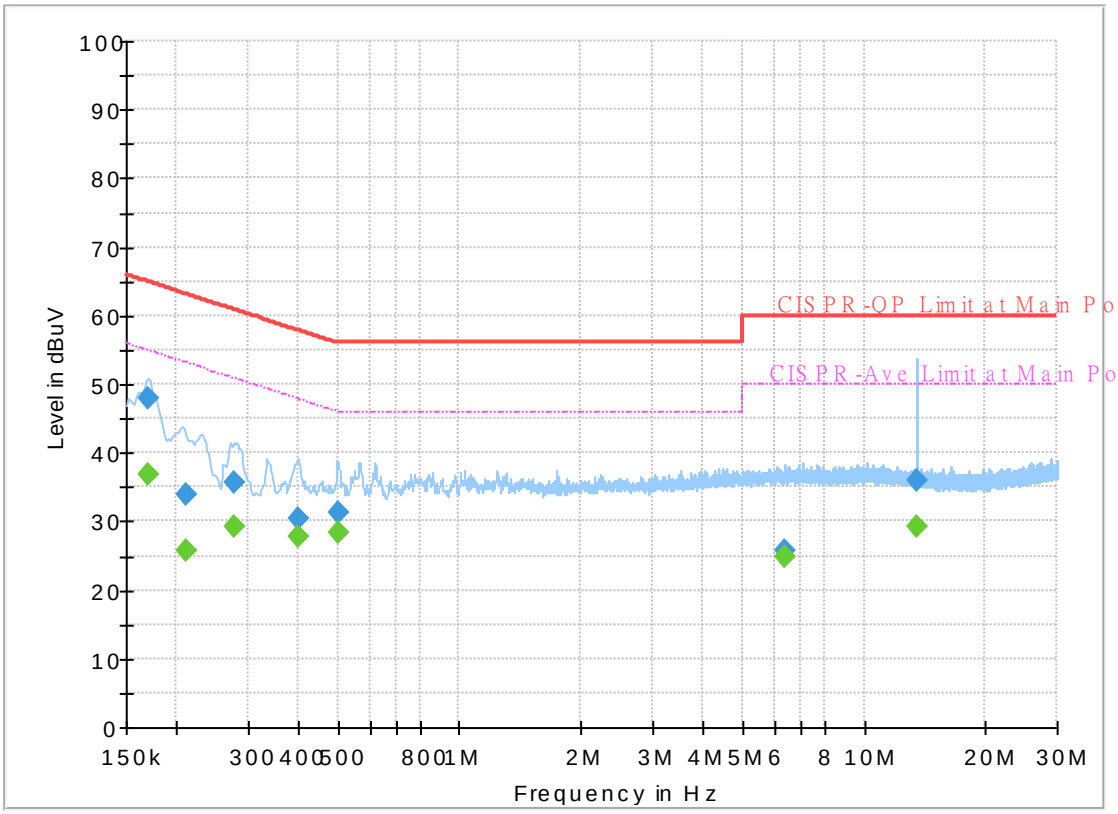
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170880	---	36.47	54.92	18.45	L1	OFF	19.6
0.170880	47.61	---	64.92	17.31	L1	OFF	19.6
0.202020	---	25.69	53.53	27.84	L1	OFF	19.6
0.202020	33.53	---	63.53	30.00	L1	OFF	19.6
0.271500	---	28.85	51.07	22.22	L1	OFF	19.6
0.271500	34.63	---	61.07	26.44	L1	OFF	19.6
0.395250	---	25.91	47.95	22.04	L1	OFF	19.6
0.395250	28.15	---	57.95	29.80	L1	OFF	19.6
0.617100	---	24.08	46.00	21.92	L1	OFF	19.6
0.617100	25.77	---	56.00	30.23	L1	OFF	19.6
6.787500	---	25.09	50.00	24.91	L1	OFF	19.9
6.787500	26.02	---	60.00	33.98	L1	OFF	19.9
13.560000	---	27.79	50.00	22.21	L1	OFF	20.2
13.560000	36.70	---	60.00	23.30	L1	OFF	20.2

EUT Information

Report NO :	070401
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)
0.170160	---	36.75	54.95	18.20	N	OFF	19.5
0.170160	47.99	---	64.95	16.96	N	OFF	19.5
0.210750	---	25.84	53.18	27.34	N	OFF	19.5
0.210750	33.79	---	63.18	29.39	N	OFF	19.5
0.276180	---	29.30	50.93	21.63	N	OFF	19.5
0.276180	35.55	---	60.93	25.38	N	OFF	19.5
0.401010	---	27.74	47.83	20.09	N	OFF	19.5
0.401010	30.33	---	57.83	27.50	N	OFF	19.5
0.501090	---	28.41	46.00	17.59	N	OFF	19.5
0.501090	31.21	---	56.00	24.79	N	OFF	19.5
6.359190	---	24.94	50.00	25.06	N	OFF	19.7
6.359190	25.86	---	60.00	34.14	N	OFF	19.7
13.560000	---	29.20	50.00	20.80	N	OFF	19.9
13.560000	35.89	---	60.00	24.11	N	OFF	19.9

Appendix B. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Jacky Hong, and Wilson Wu	Temperature :	22.5~23.9°C
		Relative Humidity :	51.1~58.2%

<CDD Mode>

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.
0		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5645.4	52.74	-15.46	68.2	41.4	31.81	6.35	26.82	100	119	P	H
		5696.6	53.02	-49.67	102.69	41.47	31.99	6.42	26.86	100	119	P	H
		5711	55.51	-52.77	108.28	43.94	32.02	6.43	26.88	100	119	P	H
		5725	64.39	-57.81	122.2	52.78	32.05	6.45	26.89	100	119	P	H
	*	5745	111.45	-	-	99.8	32.09	6.47	26.91	100	119	P	H
	*	5745	104.11	-	-	92.46	32.09	6.47	26.91	100	119	A	H
													H
													H
		5644.2	51.4	-16.8	68.2	40.06	31.81	6.35	26.82	297	65	P	V
		5695.8	52.27	-49.83	102.1	40.74	31.98	6.41	26.86	297	65	P	V
		5703.8	53.43	-52.84	106.27	41.87	32.01	6.42	26.87	297	65	P	V
		5725	61.32	-60.88	122.2	49.71	32.05	6.45	26.89	297	65	P	V
	*	5745	107.75	-	-	96.1	32.09	6.47	26.91	297	65	P	V
	*	5745	100.53	-	-	88.88	32.09	6.47	26.91	297	65	A	V
													V
													V

WIFI Ant. 0	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)
		5638	51.47	-16.73	68.2	40.11	31.82	6.35	26.81	100	117	P	H
		5661.2	52.02	-24.5	76.52	40.64	31.84	6.37	26.83	100	117	P	H
		5700.2	52.72	-52.54	105.26	41.17	32	6.42	26.87	100	117	P	H
		5723.2	51.6	-66.5	118.1	39.99	32.05	6.45	26.89	100	117	P	H
	*	5785	111.51	-	-	99.83	32.1	6.52	26.94	100	117	P	H
	*	5785	103.98	-	-	92.3	32.1	6.52	26.94	100	117	A	H
		5853.4	52.03	-62.42	114.45	40.18	32.31	6.54	27	100	117	P	H
		5856.6	52.71	-57.64	110.35	40.84	32.33	6.54	27	100	117	P	H
		5877.8	51.93	-51.19	103.12	40	32.41	6.54	27.02	100	117	P	H
		5943	51.73	-16.47	68.2	39.6	32.67	6.54	27.08	100	117	P	H
													H
802.11a CH 157 5785MHz													H
		5607.2	52.49	-15.71	68.2	41.07	31.89	6.31	26.78	294	64	P	V
		5684	51.18	-42.22	93.4	39.69	31.94	6.4	26.85	294	64	P	V
		5702.6	52.34	-53.59	105.93	40.78	32.01	6.42	26.87	294	64	P	V
		5722.2	51.21	-64.61	115.82	39.61	32.04	6.45	26.89	294	64	P	V
	*	5785	108.33	-	-	96.65	32.1	6.52	26.94	294	64	P	V
	*	5785	101.05	-	-	89.37	32.1	6.52	26.94	294	64	A	V
		5855	51.12	-59.68	110.8	39.26	32.32	6.54	27	294	64	P	V
		5869	52.44	-54.44	106.88	40.53	32.38	6.54	27.01	294	64	P	V
		5910.4	52.45	-26.52	78.97	40.42	32.54	6.54	27.05	294	64	P	V
		5942.2	51.39	-16.81	68.2	39.26	32.67	6.54	27.08	294	64	P	V
													V
													V

WIFI Ant. 0	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	110.9	-	-	99.14	32.2	6.54	26.98	100	118	P	H
	*	5825	103.62	-	-	91.86	32.2	6.54	26.98	100	118	A	H
		5850.2	54.11	-67.63	121.74	42.27	32.3	6.54	27	100	118	P	H
		5862.8	54.53	-54.08	108.61	42.65	32.35	6.54	27.01	100	118	P	H
		5878.6	53.62	-48.91	102.53	41.69	32.41	6.54	27.02	100	118	P	H
		5941.4	51.89	-16.31	68.2	39.76	32.67	6.54	27.08	100	118	P	H
													H
802.11a													H
CH 165	*	5825	108.51	-	-	96.75	32.2	6.54	26.98	290	64	P	V
5825MHz	*	5825	101.13	-	-	89.37	32.2	6.54	26.98	290	64	A	V
		5850.6	53.3	-67.53	120.83	41.46	32.3	6.54	27	290	64	P	V
		5857.4	53.01	-57.12	110.13	41.14	32.33	6.54	27	290	64	P	V
		5885.2	53.45	-44.18	97.63	41.5	32.44	6.54	27.03	290	64	P	V
		5928.4	51.9	-16.3	68.2	39.82	32.61	6.54	27.07	290	64	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. 0	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	48.27	-25.73	74	53.57	40.07	10.43	55.8	100	0	P	H
		17235	48.77	-19.43	68.2	51.98	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.57	-26.43	74	52.87	40.07	10.43	55.8	100	0	P	V
		17235	48.8	-19.4	68.2	52.01	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.81	-27.19	74	52.27	39.89	10.48	55.83	100	0	P	H
		17355	48.58	-19.62	68.2	51.49	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	47.03	-26.97	74	52.49	39.89	10.48	55.83	100	0	P	V
		17355	48.86	-19.34	68.2	51.77	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	46.9	-27.1	74	52.7	39.55	10.53	55.88	100	0	P	H
		17475	46.9	-21.3	68.2	49.55	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	47.38	-26.62	74	53.18	39.55	10.53	55.88	100	0	P	V
		17475	47.38	-20.82	68.2	50.03	40.92	13.23	56.8	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 VHT20 (Band Edge @ 3m)

WIFI Ant. 0	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)
		5639.2	52.19	-16.01	68.2	40.83	31.82	6.35	26.81	100	118	P	H
		5659	54.12	-20.76	74.88	42.74	31.84	6.37	26.83	100	118	P	H
		5720	54.08	-56.72	110.8	42.48	32.04	6.44	26.88	100	118	P	H
		5724.8	61.62	-60.12	121.74	50.01	32.05	6.45	26.89	100	118	P	H
	*	5745	111.25	-	-	99.6	32.09	6.47	26.91	100	118	P	H
	*	5745	103.81	-	-	92.16	32.09	6.47	26.91	100	118	A	H
802.11ac													H
VHT20													H
CH 149		5605	52.52	-15.68	68.2	41.1	31.89	6.31	26.78	298	64	P	V
5745MHz		5687.8	52.09	-44.11	96.2	40.59	31.95	6.41	26.86	298	64	P	V
		5708.8	53.33	-54.34	107.67	41.75	32.02	6.43	26.87	298	64	P	V
		5725	61.75	-60.45	122.2	50.14	32.05	6.45	26.89	298	64	P	V
	*	5745	107.57	-	-	95.92	32.09	6.47	26.91	298	64	P	V
	*	5745	100.09	-	-	88.44	32.09	6.47	26.91	298	64	A	V
													V
													V

WIFI Ant. 0	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)
		5620.6	51.18	-17.02	68.2	39.8	31.86	6.32	26.8	100	118	P	H
		5687.6	51.63	-44.42	96.05	40.13	31.95	6.41	26.86	100	118	P	H
		5715	53.75	-55.65	109.4	42.16	32.03	6.44	26.88	100	118	P	H
		5721.6	52.82	-61.63	114.45	41.22	32.04	6.45	26.89	100	118	P	H
	*	5785	111.38	-	-	99.7	32.1	6.52	26.94	100	118	P	H
	*	5785	103.71	-	-	92.03	32.1	6.52	26.94	100	118	A	H
		5850.8	52.26	-68.12	120.38	40.42	32.3	6.54	27	100	118	P	H
		5864.2	52.04	-56.18	108.22	40.15	32.36	6.54	27.01	100	118	P	H
		5887	52.62	-43.67	96.29	40.66	32.45	6.54	27.03	100	118	P	H
		5926	51.36	-16.84	68.2	39.28	32.6	6.54	27.06	100	118	P	H
802.11ac													H
VHT20													H
CH 157		5640.6	51.24	-16.96	68.2	39.88	31.82	6.35	26.81	280	63	P	V
5785MHz		5699	51.51	-52.95	104.46	39.96	32	6.42	26.87	280	63	P	V
		5707	50.99	-56.17	107.16	39.42	32.01	6.43	26.87	280	63	P	V
		5721	52.14	-60.94	113.08	40.53	32.04	6.45	26.88	280	63	P	V
	*	5785	108.59	-	-	96.91	32.1	6.52	26.94	280	63	P	V
	*	5785	101.13	-	-	89.45	32.1	6.52	26.94	280	63	A	V
		5853.6	51.79	-62.2	113.99	39.94	32.31	6.54	27	280	63	P	V
		5858.8	52.16	-57.57	109.73	40.29	32.34	6.54	27.01	280	63	P	V
		5875.6	52.33	-52.42	104.75	40.41	32.4	6.54	27.02	280	63	P	V
		5940.2	52.03	-16.17	68.2	39.91	32.66	6.54	27.08	280	63	P	V
													V
													V

WIFI Ant. 0	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	111.41	-	-	99.65	32.2	6.54	26.98	100	118	P	H
	*	5825	104.04	-	-	92.28	32.2	6.54	26.98	100	118	A	H
		5852.8	54.6	-61.22	115.82	42.75	32.31	6.54	27	100	118	P	H
		5858.2	53.95	-55.95	109.9	42.09	32.33	6.54	27.01	100	118	P	H
		5887.6	53.61	-42.24	95.85	41.65	32.45	6.54	27.03	100	118	P	H
		5949	52.17	-16.03	68.2	40.02	32.7	6.54	27.09	100	118	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	108.58	-	-	96.82	32.2	6.54	26.98	292	64	P	V
5825MHz	*	5825	101.24	-	-	89.48	32.2	6.54	26.98	292	64	A	V
		5850.4	53.27	-68.02	121.29	41.43	32.3	6.54	27	292	64	P	V
		5862.2	52.58	-56.2	108.78	40.7	32.35	6.54	27.01	292	64	P	V
		5893	53.17	-38.67	91.84	41.2	32.47	6.54	27.04	292	64	P	V
		5934.6	51.43	-16.77	68.2	39.32	32.64	6.54	27.07	292	64	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 0	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	47.48	-26.52	74	52.78	40.07	10.43	55.8	100	0	P	H
		17235	48.04	-20.16	68.2	51.25	40.01	13.09	56.31	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	47.33	-26.67	74	52.63	40.07	10.43	55.8	100	0	P	V
5745MHz		17235	47.33	-20.87	68.2	50.54	40.01	13.09	56.31	100	0	P	V
													V
													V
		11570	46.26	-27.74	74	51.72	39.89	10.48	55.83	100	0	P	H
		17355	48.85	-19.35	68.2	51.76	40.48	13.16	56.55	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	46.48	-27.52	74	51.94	39.89	10.48	55.83	100	0	P	V
5785MHz		17355	48.9	-19.3	68.2	51.81	40.48	13.16	56.55	100	0	P	V
													V
													V
		11650	45.61	-28.39	74	51.41	39.55	10.53	55.88	100	0	P	H
		17475	50.38	-17.82	68.2	53.03	40.92	13.23	56.8	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	46.34	-27.66	74	52.14	39.55	10.53	55.88	100	0	P	V
5825MHz		17475	48.53	-19.67	68.2	51.18	40.92	13.23	56.8	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 0	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	52.45	-15.75	68.2	41.05	31.87	6.32	26.79	100	118	P	H
		5696.2	59.37	-43.03	102.4	47.83	31.98	6.42	26.86	100	118	P	H
		5716.8	70.69	-39.22	109.91	59.1	32.03	6.44	26.88	100	118	P	H
		5721.8	71.88	-43.02	114.9	60.28	32.04	6.45	26.89	100	118	P	H
	*	5755	108.62	-	-	96.94	32.1	6.49	26.91	100	118	P	H
	*	5755	101.42	-	-	89.74	32.1	6.49	26.91	100	118	A	H
		5853.4	53.48	-60.97	114.45	41.63	32.31	6.54	27	100	118	P	H
		5861.2	52.05	-57.01	109.06	40.18	32.34	6.54	27.01	100	118	P	H
		5916.6	52.17	-22.22	74.39	40.12	32.57	6.54	27.06	100	118	P	H
		5938.8	52.82	-15.38	68.2	40.7	32.66	6.54	27.08	100	118	P	H
802.11ac													H
VHT40													H
CH 151		5642.8	52.42	-15.78	68.2	41.08	31.81	6.35	26.82	298	64	P	V
5755MHz		5699.2	57.47	-47.14	104.61	45.92	32	6.42	26.87	298	64	P	V
		5718.8	68.73	-41.73	110.46	57.13	32.04	6.44	26.88	298	64	P	V
		5722	70.65	-44.71	115.36	59.05	32.04	6.45	26.89	298	64	P	V
	*	5755	105.25	-	-	93.57	32.1	6.49	26.91	298	64	P	V
	*	5755	98.14	-	-	86.46	32.1	6.49	26.91	298	64	A	V
		5852	50.73	-66.91	117.64	38.88	32.31	6.54	27	298	64	P	V
		5873.6	52.16	-53.43	105.59	40.25	32.39	6.54	27.02	298	64	P	V
		5914.4	52.53	-23.49	76.02	40.48	32.56	6.54	27.05	298	64	P	V
		5947	51.61	-16.59	68.2	39.46	32.69	6.54	27.08	298	64	P	V
													V
													V

WIFI Ant. 0	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)
		5615.8	51.84	-16.36	68.2	40.44	31.87	6.32	26.79	100	116	P	H
		5693.2	51.9	-48.29	100.19	40.38	31.97	6.41	26.86	100	116	P	H
		5714.4	53.65	-55.58	109.23	42.06	32.03	6.44	26.88	100	116	P	H
		5725	55.66	-66.54	122.2	44.05	32.05	6.45	26.89	100	116	P	H
	*	5795	108.45	-	-	96.77	32.1	6.53	26.95	100	116	P	H
	*	5795	101.27	-	-	89.59	32.1	6.53	26.95	100	116	A	H
		5850.4	57.79	-63.5	121.29	45.95	32.3	6.54	27	100	116	P	H
		5856.8	56.22	-54.08	110.3	44.35	32.33	6.54	27	100	116	P	H
		5886.8	52.97	-43.47	96.44	41.01	32.45	6.54	27.03	100	116	P	H
		5935.8	52.02	-16.18	68.2	39.91	32.64	6.54	27.07	100	116	P	H
802.11ac													H
VHT40													H
CH 159		5605.8	50.99	-17.21	68.2	39.57	31.89	6.31	26.78	292	65	P	V
5795MHz		5679	52.24	-37.46	89.7	40.78	31.92	6.39	26.85	292	65	P	V
		5716.2	53.36	-56.38	109.74	41.77	32.03	6.44	26.88	292	65	P	V
		5724.8	52.64	-69.1	121.74	41.03	32.05	6.45	26.89	292	65	P	V
	*	5795	105.77	-	-	94.09	32.1	6.53	26.95	292	65	P	V
	*	5795	98.4	-	-	86.72	32.1	6.53	26.95	292	65	A	V
		5850.2	57.98	-63.76	121.74	46.14	32.3	6.54	27	292	65	P	V
		5855.8	55.02	-55.56	110.58	43.16	32.32	6.54	27	292	65	P	V
		5879.6	52.71	-49.07	101.78	40.77	32.42	6.54	27.02	292	65	P	V
		5931.6	51.94	-16.26	68.2	39.84	32.63	6.54	27.07	292	65	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 VHT40 (Harmonic @ 3m)

WIFI Ant. 0	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	46.49	-27.51	74	51.77	40.07	10.45	55.8	100	0	P	H
		17265	48.96	-19.24	68.2	52.12	40.1	13.11	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	47.62	-26.38	74	52.9	40.07	10.45	55.8	100	0	P	V
5755MHz		17265	47.94	-20.26	68.2	51.1	40.1	13.11	56.37	100	0	P	V
													V
													V
		11590	46.32	-27.68	74	51.85	39.83	10.49	55.85	100	0	P	H
		17385	49.07	-19.13	68.2	51.89	40.62	13.18	56.62	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	47.09	-26.91	74	52.62	39.83	10.49	55.85	100	0	P	V
5795MHz		17385	48.65	-19.55	68.2	51.47	40.62	13.18	56.62	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. 0	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.8	54.9	-13.3	68.2	43.56	31.8	6.36	26.82	100	118	P	H
		5699	67.92	-36.54	104.46	56.37	32	6.42	26.87	100	118	P	H
		5717.4	72.83	-37.24	110.07	61.24	32.03	6.44	26.88	100	118	P	H
		5720.6	73.56	-38.61	112.17	61.96	32.04	6.44	26.88	100	118	P	H
	*	5775	105.31	-	-	93.63	32.1	6.51	26.93	100	118	P	H
	*	5775	98	-	-	86.32	32.1	6.51	26.93	100	118	A	H
		5851.4	70.14	-48.87	119.01	58.29	32.31	6.54	27	100	118	P	H
		5855.4	68.08	-42.61	110.69	56.22	32.32	6.54	27	100	118	P	H
		5876.4	61.51	-42.65	104.16	49.58	32.41	6.54	27.02	100	118	P	H
		5940.6	51.92	-16.28	68.2	39.8	32.66	6.54	27.08	100	118	P	H
802.11ac													H
VHT80													H
CH 155		5614.6	52.82	-15.38	68.2	41.42	31.87	6.32	26.79	295	64	P	V
5775MHz		5697.6	64.65	-38.78	103.43	53.1	31.99	6.42	26.86	295	64	P	V
		5718.8	67.75	-42.71	110.46	56.15	32.04	6.44	26.88	295	64	P	V
		5720.6	68.61	-43.56	112.17	57.01	32.04	6.44	26.88	295	64	P	V
	*	5775	102.2	-	-	90.52	32.1	6.51	26.93	295	64	P	V
	*	5775	95.23	-	-	83.55	32.1	6.51	26.93	295	64	A	V
		5850.4	66.87	-54.42	121.29	55.03	32.3	6.54	27	295	64	P	V
		5856	63.89	-46.63	110.52	52.03	32.32	6.54	27	295	64	P	V
		5877.6	59.58	-43.69	103.27	47.65	32.41	6.54	27.02	295	64	P	V
		5925.4	51.95	-16.25	68.2	39.87	32.6	6.54	27.06	295	64	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. 0	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.35	-27.65	74	51.75	39.95	10.47	55.82	100	0	P	H
		17325	49.05	-19.15	68.2	52.07	40.33	13.14	56.49	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.76	-27.24	74	52.16	39.95	10.47	55.82	100	0	P	V
5775MHz		17325	48.52	-19.68	68.2	51.54	40.33	13.14	56.49	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (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.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		62.98	25.32	-14.68	40	45.01	11.91	0.67	32.27	-	-	P	H
		103.72	26.28	-17.22	43.5	40.83	16.72	0.85	32.12	-	-	P	H
		147.37	31.75	-11.75	43.5	45.51	17.37	1.07	32.2	100	0	P	H
		187.14	25.13	-18.37	43.5	41.35	14.85	1.21	32.28	-	-	P	H
		211.39	25.23	-18.27	43.5	41.15	15.05	1.3	32.27	-	-	P	H
		952.47	33.37	-12.63	46	31.03	30.61	2.7	30.97	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		30.97	28.01	-11.99	40	35.55	24.21	0.48	32.23	100	0	P	V
LF		62.98	27.45	-12.55	40	47.14	11.91	0.67	32.27	-	-	P	V
		89.17	27.11	-16.39	43.5	43.73	14.76	0.78	32.16	-	-	P	V
		120.21	23.91	-19.59	43.5	37.53	17.56	0.97	32.15	-	-	P	V
		147.37	25.38	-18.12	43.5	39.14	17.37	1.07	32.2	-	-	P	V
		950.53	32.16	-13.84	46	29.92	30.54	2.69	30.99	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 - 5725~5850MHz

WIFI 802.11a (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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5613.6	53.56	-14.64	68.2	42.16	31.87	6.32	26.79	100	99	P	H
		5698.8	62.64	-41.68	104.32	51.08	32	6.42	26.86	100	99	P	H
		5720	65.97	-44.83	110.8	54.37	32.04	6.44	26.88	100	99	P	H
		5724.6	66.55	-54.74	121.29	54.94	32.05	6.45	26.89	100	99	P	H
	*	5745	110.66	-	-	99.01	32.09	6.47	26.91	100	99	P	H
	*	5745	103.06	-	-	91.41	32.09	6.47	26.91	100	99	A	H
													H
802.11a													H
CH 149		5614.4	52.71	-15.49	68.2	41.31	31.87	6.32	26.79	100	146	P	V
5745MHz		5694	60.58	-40.2	100.78	49.05	31.98	6.41	26.86	100	146	P	V
		5715.6	63.47	-46.1	109.57	51.88	32.03	6.44	26.88	100	146	P	V
		5720.2	63.13	-48.13	111.26	51.53	32.04	6.44	26.88	100	146	P	V
	*	5745	108.91	-	-	97.26	32.09	6.47	26.91	100	146	P	V
	*	5745	101.36	-	-	89.71	32.09	6.47	26.91	100	146	A	V
													V
													V

WIFI Ant. 1	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)
		5615.2	51.58	-16.62	68.2	40.18	31.87	6.32	26.79	100	74	P	H
		5688.8	52.34	-44.6	96.94	40.83	31.96	6.41	26.86	100	74	P	H
		5700.6	53.1	-52.27	105.37	41.55	32	6.42	26.87	100	74	P	H
		5723.2	53.4	-64.7	118.1	41.79	32.05	6.45	26.89	100	74	P	H
	*	5785	109.88	-	-	98.2	32.1	6.52	26.94	100	74	P	H
	*	5785	102.28	-	-	90.6	32.1	6.52	26.94	100	74	A	H
		5850	53.22	-68.98	122.2	41.38	32.3	6.54	27	100	74	P	H
		5855.6	53.05	-57.58	110.63	41.19	32.32	6.54	27	100	74	P	H
		5909.4	52.95	-26.76	79.71	40.92	32.54	6.54	27.05	100	74	P	H
		5931	52.7	-15.5	68.2	40.61	32.62	6.54	27.07	100	74	P	H
													H
802.11a													H
CH 157		5610.4	51.76	-16.44	68.2	40.36	31.88	6.31	26.79	100	91	P	V
5785MHz		5683.8	53.18	-40.07	93.25	41.69	31.94	6.4	26.85	100	91	P	V
		5715.2	52.61	-56.85	109.46	41.02	32.03	6.44	26.88	100	91	P	V
		5725	51.45	-70.75	122.2	39.84	32.05	6.45	26.89	100	91	P	V
	*	5785	108.08	-	-	96.4	32.1	6.52	26.94	100	91	P	V
	*	5785	100.38	-	-	88.7	32.1	6.52	26.94	100	91	A	V
		5853	53.17	-62.19	115.36	41.32	32.31	6.54	27	100	91	P	V
		5868.2	53.31	-53.79	107.1	41.41	32.37	6.54	27.01	100	91	P	V
		5881	52.77	-47.97	100.74	40.84	32.42	6.54	27.03	100	91	P	V
		5934.6	51.67	-16.53	68.2	39.56	32.64	6.54	27.07	100	91	P	V
													V
													V

WIFI Ant. 1	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	110.16	-	-	98.4	32.2	6.54	26.98	100	77	P	H
	*	5825	102.76	-	-	91	32.2	6.54	26.98	100	77	A	H
		5854.2	66.55	-46.07	112.62	54.69	32.32	6.54	27	100	77	P	H
		5858.6	65.58	-44.21	109.79	53.72	32.33	6.54	27.01	100	77	P	H
		5879.2	63.35	-38.73	102.08	51.41	32.42	6.54	27.02	100	77	P	H
		5929.8	55.05	-13.15	68.2	42.96	32.62	6.54	27.07	100	77	P	H
													H
802.11a													H
CH 165	*	5825	108.02	-	-	96.26	32.2	6.54	26.98	100	100	P	V
5825MHz	*	5825	100.46	-	-	88.7	32.2	6.54	26.98	100	100	A	V
		5850.6	65.08	-55.75	120.83	53.24	32.3	6.54	27	100	100	P	V
		5856.8	64.84	-45.46	110.3	52.97	32.33	6.54	27	100	100	P	V
		5877	62.37	-41.34	103.71	50.44	32.41	6.54	27.02	100	100	P	V
		5940.4	54.06	-14.14	68.2	41.94	32.66	6.54	27.08	100	100	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	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	47.89	-26.11	74	53.19	40.07	10.43	55.8	100	0	P	H
		17235	47.89	-20.31	68.2	51.1	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.62	-26.38	74	52.92	40.07	10.43	55.8	100	0	P	V
		17235	47.62	-20.58	68.2	50.83	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.35	-27.65	74	51.81	39.89	10.48	55.83	100	0	P	H
		17355	46.35	-21.85	68.2	49.26	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	46.48	-27.52	74	51.94	39.89	10.48	55.83	100	0	P	V
		17355	49.31	-18.89	68.2	52.22	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	46.73	-27.27	74	52.53	39.55	10.53	55.88	100	0	P	H
		17475	48.61	-19.59	68.2	51.26	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	46.8	-27.2	74	52.6	39.55	10.53	55.88	100	0	P	V
		17475	48.78	-19.42	68.2	51.43	40.92	13.23	56.8	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 VHT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
		5612.8	52.18	-16.02	68.2	40.78	31.87	6.32	26.79	100	99	P	H
		5699	53.84	-50.62	104.46	42.29	32	6.42	26.87	100	99	P	H
		5719.8	57	-53.74	110.74	45.4	32.04	6.44	26.88	100	99	P	H
		5723.4	62.93	-55.62	118.55	51.32	32.05	6.45	26.89	100	99	P	H
	*	5745	110.06	-	-	98.41	32.09	6.47	26.91	100	99	P	H
	*	5745	102.76	-	-	91.11	32.09	6.47	26.91	100	99	A	H
802.11ac													H
VHT20													H
CH 149		5619.8	51.76	-16.44	68.2	40.38	31.86	6.32	26.8	100	146	P	V
5745MHz		5672.2	52.42	-32.25	84.67	40.98	31.89	6.39	26.84	100	146	P	V
		5719.4	56.35	-54.28	110.63	44.75	32.04	6.44	26.88	100	146	P	V
		5724.8	62.47	-59.27	121.74	50.86	32.05	6.45	26.89	100	146	P	V
	*	5745	108.76	-	-	97.11	32.09	6.47	26.91	100	146	P	V
	*	5745	101.18	-	-	89.53	32.09	6.47	26.91	100	146	A	V
													V
													V

WIFI Ant. 1	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)
		5603.4	51.66	-16.54	68.2	40.25	31.89	6.3	26.78	100	95	P	H
		5670.8	51.86	-31.77	83.63	40.44	31.88	6.38	26.84	100	95	P	H
		5714.8	52.01	-57.34	109.35	40.42	32.03	6.44	26.88	100	95	P	H
		5723.8	51.93	-67.53	119.46	40.32	32.05	6.45	26.89	100	95	P	H
	*	5785	110.68	-	-	99	32.1	6.52	26.94	100	95	P	H
	*	5785	103.08	-	-	91.4	32.1	6.52	26.94	100	95	A	H
		5850.6	54	-66.83	120.83	42.16	32.3	6.54	27	100	95	P	H
		5862	54.02	-54.82	108.84	42.14	32.35	6.54	27.01	100	95	P	H
		5886.2	53.21	-43.67	96.88	41.26	32.44	6.54	27.03	100	95	P	H
		5932.6	52.82	-15.38	68.2	40.72	32.63	6.54	27.07	100	95	P	H
802.11ac													H
VHT20													H
CH 157		5604.2	51.69	-16.51	68.2	40.27	31.89	6.31	26.78	100	146	P	V
5785MHz		5682	51.5	-40.42	91.92	40.02	31.93	6.4	26.85	100	146	P	V
		5715.2	52.23	-57.23	109.46	40.64	32.03	6.44	26.88	100	146	P	V
		5721.6	52.61	-61.84	114.45	41.01	32.04	6.45	26.89	100	146	P	V
	*	5785	107.68	-	-	96	32.1	6.52	26.94	100	146	P	V
	*	5785	100.48	-	-	88.8	32.1	6.52	26.94	100	146	A	V
		5852.6	54.42	-61.85	116.27	42.57	32.31	6.54	27	100	146	P	V
		5858	53.14	-56.82	109.96	41.28	32.33	6.54	27.01	100	146	P	V
		5917	52.33	-21.77	74.1	40.28	32.57	6.54	27.06	100	146	P	V
		5946.8	51.52	-16.68	68.2	39.37	32.69	6.54	27.08	100	146	P	V
													V
													V

WIFI Ant. 1	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	110.26	-	-	98.5	32.2	6.54	26.98	100	96	P	H
	*	5825	103.06	-	-	91.3	32.2	6.54	26.98	100	96	A	H
		5850.6	59.09	-61.74	120.83	47.25	32.3	6.54	27	100	96	P	H
		5855.2	56.65	-54.09	110.74	44.79	32.32	6.54	27	100	96	P	H
		5886.6	54.59	-42	96.59	42.63	32.45	6.54	27.03	100	96	P	H
		5939.4	53.86	-14.34	68.2	41.74	32.66	6.54	27.08	100	96	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	108.06	-	-	96.3	32.2	6.54	26.98	100	145	P	V
5825MHz	*	5825	100.36	-	-	88.6	32.2	6.54	26.98	100	145	A	V
		5854	56.78	-56.3	113.08	44.92	32.32	6.54	27	100	145	P	V
		5863.8	54.35	-53.98	108.33	42.46	32.36	6.54	27.01	100	145	P	V
		5882.4	53.87	-45.83	99.7	41.93	32.43	6.54	27.03	100	145	P	V
		5941.4	52.37	-15.83	68.2	40.24	32.67	6.54	27.08	100	145	P	V
													V
													V

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1	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	47.19	-26.81	74	52.49	40.07	10.43	55.8	100	0	P	H
		17235	48.12	-20.08	68.2	51.33	40.01	13.09	56.31	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	47.57	-26.43	74	52.87	40.07	10.43	55.8	100	0	P	V
5745MHz		17235	48.48	-19.72	68.2	51.69	40.01	13.09	56.31	100	0	P	V
													V
													V
		11570	46.31	-27.69	74	51.77	39.89	10.48	55.83	100	0	P	H
		17355	47.88	-20.32	68.2	50.79	40.48	13.16	56.55	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	46.76	-27.24	74	52.22	39.89	10.48	55.83	100	0	P	V
5785MHz		17355	48.25	-19.95	68.2	51.16	40.48	13.16	56.55	100	0	P	V
													V
													V
		11650	47.01	-26.99	74	52.81	39.55	10.53	55.88	100	0	P	H
		17475	48.56	-19.64	68.2	51.21	40.92	13.23	56.8	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	46.18	-27.82	74	51.98	39.55	10.53	55.88	100	0	P	V
5825MHz		17475	49.43	-18.77	68.2	52.08	40.92	13.23	56.8	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
		5632.2	51.7	-16.5	68.2	40.33	31.84	6.34	26.81	107	99	P	H
		5700	62.43	-42.77	105.2	50.88	32	6.42	26.87	107	99	P	H
		5719.4	70.03	-40.6	110.63	58.43	32.04	6.44	26.88	107	99	P	H
		5724.4	72.76	-48.07	120.83	61.15	32.05	6.45	26.89	107	99	P	H
	*	5755	108.37	-	-	96.69	32.1	6.49	26.91	107	99	P	H
	*	5755	100.47	-	-	88.79	32.1	6.49	26.91	107	99	A	H
		5851.4	53.08	-65.93	119.01	41.23	32.31	6.54	27	107	99	P	H
		5859.8	53.11	-56.34	109.45	41.24	32.34	6.54	27.01	107	99	P	H
		5884.4	53.15	-45.07	98.22	41.2	32.44	6.54	27.03	107	99	P	H
		5937	52.2	-16	68.2	40.08	32.65	6.54	27.07	107	99	P	H
802.11ac													H
VHT40													H
CH 151		5632.8	50.92	-17.28	68.2	39.56	31.83	6.34	26.81	100	145	P	V
5755MHz		5699.2	58.99	-45.62	104.61	47.44	32	6.42	26.87	100	145	P	V
		5717.2	68.89	-41.13	110.02	57.3	32.03	6.44	26.88	100	145	P	V
		5722.2	69.54	-46.28	115.82	57.94	32.04	6.45	26.89	100	145	P	V
	*	5755	106.17	-	-	94.49	32.1	6.49	26.91	100	145	P	V
	*	5755	98.27	-	-	86.59	32.1	6.49	26.91	100	145	A	V
		5851.2	51.88	-67.58	119.46	40.04	32.3	6.54	27	100	145	P	V
		5861.6	53.71	-55.24	108.95	41.83	32.35	6.54	27.01	100	145	P	V
		5876.2	53.54	-50.77	104.31	41.62	32.4	6.54	27.02	100	145	P	V
		5925.8	52.96	-15.24	68.2	40.88	32.6	6.54	27.06	100	145	P	V
													V
													V

WIFI Ant. 1	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)
		5611.4	51.17	-17.03	68.2	39.77	31.88	6.31	26.79	100	95	P	H
		5694.8	52.28	-49.09	101.37	40.75	31.98	6.41	26.86	100	95	P	H
		5718.4	53.73	-56.62	110.35	42.13	32.04	6.44	26.88	100	95	P	H
		5720.8	55.96	-56.66	112.62	44.36	32.04	6.44	26.88	100	95	P	H
	*	5795	108.58	-	-	96.9	32.1	6.53	26.95	100	95	P	H
	*	5795	100.38	-	-	88.7	32.1	6.53	26.95	100	95	A	H
		5855	60.51	-50.29	110.8	48.65	32.32	6.54	27	100	95	P	H
		5855	60.51	-50.29	110.8	48.65	32.32	6.54	27	100	95	P	H
		5875.4	55.39	-49.51	104.9	43.47	32.4	6.54	27.02	100	95	P	H
		5928.6	52.79	-15.41	68.2	40.71	32.61	6.54	27.07	100	95	P	H
802.11ac													H
VHT40													H
CH 159		5641.6	51.44	-16.76	68.2	40.08	31.82	6.35	26.81	100	146	P	V
5795MHz		5688.8	51.97	-44.97	96.94	40.46	31.96	6.41	26.86	100	146	P	V
		5719.4	55.67	-54.96	110.63	44.07	32.04	6.44	26.88	100	146	P	V
		5725	53.67	-68.53	122.2	42.06	32.05	6.45	26.89	100	146	P	V
	*	5795	106.38	-	-	94.7	32.1	6.53	26.95	100	146	P	V
	*	5795	98.18	-	-	86.5	32.1	6.53	26.95	100	146	A	V
		5851.4	58.16	-60.85	119.01	46.31	32.31	6.54	27	100	146	P	V
		5856	58.09	-52.43	110.52	46.23	32.32	6.54	27	100	146	P	V
		5883.8	53.99	-44.68	98.67	42.04	32.44	6.54	27.03	100	146	P	V
		5940.6	52.52	-15.68	68.2	40.4	32.66	6.54	27.08	100	146	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 VHT40 (Harmonic @ 3m)

WIFI Ant. 1	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	46.45	-27.55	74	51.73	40.07	10.45	55.8	100	0	P	H
		17265	49.4	-18.8	68.2	52.56	40.1	13.11	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	47.28	-26.72	74	52.56	40.07	10.45	55.8	100	0	P	V
5755MHz		17265	48.26	-19.94	68.2	51.42	40.1	13.11	56.37	100	0	P	V
													V
													V
		11590	45.91	-28.09	74	51.44	39.83	10.49	55.85	100	0	P	H
		17385	49.78	-18.42	68.2	52.6	40.62	13.18	56.62	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	46.9	-27.1	74	52.43	39.83	10.49	55.85	100	0	P	V
5795MHz		17385	48.73	-19.47	68.2	51.55	40.62	13.18	56.62	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647	56.35	-11.85	68.2	45	31.81	6.36	26.82	100	95	P	H
		5697.4	65.08	-38.2	103.28	53.53	31.99	6.42	26.86	100	95	P	H
		5717.4	71.29	-38.78	110.07	59.7	32.03	6.44	26.88	100	95	P	H
		5720.4	70.32	-41.39	111.71	58.72	32.04	6.44	26.88	100	95	P	H
	*	5775	104.88	-	-	93.2	32.1	6.51	26.93	100	95	P	H
	*	5775	97.14	-	-	85.46	32.1	6.51	26.93	100	95	A	H
		5853	70.2	-45.16	115.36	58.35	32.31	6.54	27	100	95	P	H
		5856.2	67.03	-43.43	110.46	55.17	32.32	6.54	27	100	95	P	H
		5876.6	61.43	-42.58	104.01	49.5	32.41	6.54	27.02	100	95	P	H
		5939	53.32	-14.88	68.2	41.2	32.66	6.54	27.08	100	95	P	H
802.11ac													H
VHT80													H
CH 155		5647.8	55.28	-12.92	68.2	43.94	31.8	6.36	26.82	100	147	P	V
5775MHz		5696.8	63.59	-39.25	102.84	52.04	31.99	6.42	26.86	100	147	P	V
		5717.2	68.61	-41.41	110.02	57.02	32.03	6.44	26.88	100	147	P	V
		5722.6	67.68	-49.05	116.73	56.07	32.05	6.45	26.89	100	147	P	V
	*	5775	102.68	-	-	91	32.1	6.51	26.93	100	147	P	V
	*	5775	95.38	-	-	83.7	32.1	6.51	26.93	100	147	A	V
		5850	67.68	-54.52	122.2	55.84	32.3	6.54	27	100	147	P	V
		5855.2	64.66	-46.08	110.74	52.8	32.32	6.54	27	100	147	P	V
		5875	59.78	-45.42	105.2	47.86	32.4	6.54	27.02	100	147	P	V
		5937.4	52.61	-15.59	68.2	40.49	32.65	6.54	27.07	100	147	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.9	-27.1	74	52.3	39.95	10.47	55.82	100	0	P	H
		17325	49.3	-18.9	68.2	52.32	40.33	13.14	56.49	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	47.08	-26.92	74	52.48	39.95	10.47	55.82	100	0	P	V
5775MHz		17325	49.2	-19	68.2	52.22	40.33	13.14	56.49	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 1	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)
		62.01	24.84	-15.16	40	44.56	11.88	0.67	32.27	-	-	P	H
		102.75	26.06	-17.44	43.5	40.82	16.52	0.84	32.12	-	-	P	H
		146.4	32.45	-11.05	43.5	46.14	17.45	1.06	32.2	100	0	P	H
		190.05	25.18	-18.32	43.5	41.33	14.9	1.24	32.29	-	-	P	H
		207.51	24.83	-18.67	43.5	40.74	15.09	1.29	32.29	-	-	P	H
		950.53	32.91	-13.09	46	30.67	30.54	2.69	30.99	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		41.64	30.16	-9.84	40	43.06	18.82	0.56	32.28	100	0	P	V
LF		62.98	29.09	-10.91	40	48.78	11.91	0.67	32.27	-	-	P	V
		88.2	28.51	-14.99	43.5	45.3	14.58	0.79	32.16	-	-	P	V
		142.52	24.63	-18.87	43.5	38.26	17.53	1.04	32.2	-	-	P	V
		146.4	26.97	-16.53	43.5	40.66	17.45	1.06	32.2	-	-	P	V
		952.47	32.74	-13.26	46	30.4	30.61	2.7	30.97	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 - 5725~5850MHz

WIFI 802.11a (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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5628	52.59	-15.61	68.2	41.22	31.84	6.33	26.8	100	85	P	H
		5687.2	54.28	-41.48	95.76	42.78	31.95	6.4	26.85	100	85	P	H
		5718	57.38	-52.86	110.24	45.78	32.04	6.44	26.88	100	85	P	H
		5724.8	61.42	-60.32	121.74	49.81	32.05	6.45	26.89	100	85	P	H
	*	5745	113.61	-	-	101.96	32.09	6.47	26.91	100	85	P	H
	*	5745	106.23	-	-	94.58	32.09	6.47	26.91	100	85	A	H
													H
802.11a													H
CH 149		5624.2	52.46	-15.74	68.2	41.08	31.85	6.33	26.8	364	66	P	V
5745MHz		5662.2	52.69	-24.57	77.26	41.3	31.85	6.37	26.83	364	66	P	V
		5719.2	56.74	-53.84	110.58	45.14	32.04	6.44	26.88	364	66	P	V
		5724.8	60.91	-60.83	121.74	49.3	32.05	6.45	26.89	364	66	P	V
	*	5745	112	-	-	100.35	32.09	6.47	26.91	364	66	P	V
	*	5745	104.54	-	-	92.89	32.09	6.47	26.91	364	66	A	V
													V
													V

WIFI Ant. 0+1	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)
		5616	51.43	-16.77	68.2	40.03	31.87	6.32	26.79	104	86	P	H
		5666.4	52.71	-27.66	80.37	41.3	31.87	6.38	26.84	104	86	P	H
		5717.8	52.28	-57.9	110.18	40.68	32.04	6.44	26.88	104	86	P	H
		5721	52.32	-60.76	113.08	40.71	32.04	6.45	26.88	104	86	P	H
	*	5785	114.37	-	-	102.69	32.1	6.52	26.94	104	86	P	H
	*	5785	106.52	-	-	94.84	32.1	6.52	26.94	104	86	A	H
		5851.2	52.12	-67.34	119.46	40.28	32.3	6.54	27	104	86	P	H
		5870	53.38	-53.22	106.6	41.48	32.38	6.54	27.02	104	86	P	H
		5887	52.2	-44.09	96.29	40.24	32.45	6.54	27.03	104	86	P	H
		5933.4	52.25	-15.95	68.2	40.15	32.63	6.54	27.07	104	86	P	H
													H
802.11a CH 157 5785MHz													H
		5634.6	52.45	-15.75	68.2	41.09	31.83	6.34	26.81	361	67	P	V
		5697.8	51.85	-51.73	103.58	40.3	31.99	6.42	26.86	361	67	P	V
		5719.6	52.66	-58.03	110.69	41.06	32.04	6.44	26.88	361	67	P	V
		5721	52.29	-60.79	113.08	40.68	32.04	6.45	26.88	361	67	P	V
	*	5785	112.6	-	-	100.92	32.1	6.52	26.94	361	67	P	V
	*	5785	104.5	-	-	92.82	32.1	6.52	26.94	361	67	A	V
		5850.6	52.5	-68.33	120.83	40.66	32.3	6.54	27	361	67	P	V
		5860.2	51.76	-57.58	109.34	39.89	32.34	6.54	27.01	361	67	P	V
		5896.8	52.44	-36.59	89.03	40.45	32.49	6.54	27.04	361	67	P	V
		5928.6	50.97	-17.23	68.2	38.89	32.61	6.54	27.07	361	67	P	V
													V
													V

WIFI Ant. 0+1	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	113.98	-	-	102.22	32.2	6.54	26.98	100	84	P	H
	*	5825	106.39	-	-	94.63	32.2	6.54	26.98	100	84	A	H
		5850.6	57.41	-63.42	120.83	45.57	32.3	6.54	27	100	84	P	H
		5855.8	55.46	-55.12	110.58	43.6	32.32	6.54	27	100	84	P	H
		5880	54.56	-46.93	101.49	42.62	32.42	6.54	27.02	100	84	P	H
		5932.4	52.94	-15.26	68.2	40.84	32.63	6.54	27.07	100	84	P	H
													H
802.11a													H
CH 165	*	5825	111.44	-	-	99.68	32.2	6.54	26.98	353	78	P	V
5825MHz	*	5825	103.9	-	-	92.14	32.2	6.54	26.98	353	78	A	V
		5854	55.21	-57.87	113.08	43.35	32.32	6.54	27	353	78	P	V
		5857.6	53.08	-56.99	110.07	41.21	32.33	6.54	27	353	78	P	V
		5887.8	52.41	-43.29	95.7	40.45	32.45	6.54	27.03	353	78	P	V
		5931.2	51.37	-16.83	68.2	39.28	32.62	6.54	27.07	353	78	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. 0+1	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	47.79	-26.21	74	53.09	40.07	10.43	55.8	100	0	P	H
		17235	48.18	-20.02	68.2	51.39	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.68	-26.32	74	52.98	40.07	10.43	55.8	100	0	P	V
		17235	48.17	-20.03	68.2	51.38	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.48	-27.52	74	51.94	39.89	10.48	55.83	100	0	P	H
		17355	49.17	-19.03	68.2	52.08	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	46.57	-27.43	74	52.03	39.89	10.48	55.83	100	0	P	V
		17355	48.95	-19.25	68.2	51.86	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	46.73	-27.27	74	52.53	39.55	10.53	55.88	100	0	P	H
		17475	49.72	-18.48	68.2	52.37	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	46.69	-27.31	74	52.49	39.55	10.53	55.88	100	0	P	V
		17475	48.35	-19.85	68.2	51	40.92	13.23	56.8	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 VHT20 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5617.8	51.34	-16.86	68.2	39.95	31.86	6.32	26.79	117	77	P	H
		5689	52.92	-44.17	97.09	41.41	31.96	6.41	26.86	117	77	P	H
		5718.4	54.94	-55.41	110.35	43.34	32.04	6.44	26.88	117	77	P	H
		5724.8	67.83	-53.91	121.74	56.22	32.05	6.45	26.89	117	77	P	H
	*	5745	112.69	-	-	101.04	32.09	6.47	26.91	117	77	P	H
	*	5745	105.5	-	-	93.85	32.09	6.47	26.91	117	77	A	H
802.11ac													H
VHT20													H
CH 149		5633.8	52.22	-15.98	68.2	40.86	31.83	6.34	26.81	348	65	P	V
5745MHz		5699.8	52.27	-52.78	105.05	40.72	32	6.42	26.87	348	65	P	V
		5720	56.93	-53.87	110.8	45.33	32.04	6.44	26.88	348	65	P	V
		5723.8	63.25	-56.21	119.46	51.64	32.05	6.45	26.89	348	65	P	V
	*	5745	110.41	-	-	98.76	32.09	6.47	26.91	348	65	P	V
	*	5745	102.58	-	-	90.93	32.09	6.47	26.91	348	65	A	V
													V
													V

WIFI Ant. 0+1	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)
		5632.2	52.15	-16.05	68.2	40.78	31.84	6.34	26.81	101	80	P	H
		5678.4	51.82	-37.44	89.26	40.37	31.91	6.39	26.85	101	80	P	H
		5705.2	53.2	-53.46	106.66	41.63	32.01	6.43	26.87	101	80	P	H
		5725	51.58	-70.62	122.2	39.97	32.05	6.45	26.89	101	80	P	H
	*	5785	113.65	-	-	101.97	32.1	6.52	26.94	101	80	P	H
	*	5785	106.11	-	-	94.43	32.1	6.52	26.94	101	80	A	H
		5854.2	52.88	-59.74	112.62	41.02	32.32	6.54	27	101	80	P	H
		5865	53.54	-54.46	108	41.65	32.36	6.54	27.01	101	80	P	H
		5909.8	53.38	-26.04	79.42	41.35	32.54	6.54	27.05	101	80	P	H
		5929	51.42	-16.78	68.2	39.33	32.62	6.54	27.07	101	80	P	H
802.11ac													H
VHT20													H
CH 157		5605.2	52	-16.2	68.2	40.58	31.89	6.31	26.78	364	65	P	V
5785MHz		5687	52.02	-43.59	95.61	40.52	31.95	6.4	26.85	364	65	P	V
		5714.8	52.69	-56.66	109.35	41.1	32.03	6.44	26.88	364	65	P	V
		5723.4	53.7	-64.85	118.55	42.09	32.05	6.45	26.89	364	65	P	V
	*	5785	111.24	-	-	99.56	32.1	6.52	26.94	364	65	P	V
	*	5785	103.31	-	-	91.63	32.1	6.52	26.94	364	65	A	V
		5853.4	52.85	-61.6	114.45	41	32.31	6.54	27	364	65	P	V
		5857.4	52.01	-58.12	110.13	40.14	32.33	6.54	27	364	65	P	V
		5891.8	52.41	-40.32	92.73	40.43	32.47	6.54	27.03	364	65	P	V
		5925.6	51.23	-16.97	68.2	39.15	32.6	6.54	27.06	364	65	P	V
													V
													V

WIFI Ant. 0+1	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	114.25	-	-	102.49	32.2	6.54	26.98	100	88	P	H
	*	5825	106.58	-	-	94.82	32.2	6.54	26.98	100	88	A	H
		5854	57.01	-56.07	113.08	45.15	32.32	6.54	27	100	88	P	H
		5864.8	55.93	-52.12	108.05	44.04	32.36	6.54	27.01	100	88	P	H
		5885	54.25	-43.52	97.77	42.3	32.44	6.54	27.03	100	88	P	H
		5936.8	51.74	-16.46	68.2	39.62	32.65	6.54	27.07	100	88	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	111.69	-	-	99.93	32.2	6.54	26.98	357	66	P	V
5825MHz	*	5825	104.34	-	-	92.58	32.2	6.54	26.98	357	66	A	V
		5850.4	60.11	-61.18	121.29	48.27	32.3	6.54	27	357	66	P	V
		5868.6	52.98	-54.01	106.99	41.08	32.37	6.54	27.01	357	66	P	V
		5896.2	53.39	-36.08	89.47	41.41	32.48	6.54	27.04	357	66	P	V
		5937.8	51.47	-16.73	68.2	39.36	32.65	6.54	27.08	357	66	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 0+1	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	47.91	-26.09	74	53.21	40.07	10.43	55.8	100	0	P	H
		17235	48.69	-19.51	68.2	51.9	40.01	13.09	56.31	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	46.86	-27.14	74	52.16	40.07	10.43	55.8	100	0	P	V
5745MHz		17235	48	-20.2	68.2	51.21	40.01	13.09	56.31	100	0	P	V
													V
													V
		11570	47.11	-26.89	74	52.57	39.89	10.48	55.83	100	0	P	H
		17355	47.96	-20.24	68.2	50.87	40.48	13.16	56.55	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	46.34	-27.66	74	51.8	39.89	10.48	55.83	100	0	P	V
5785MHz		17355	49.01	-19.19	68.2	51.92	40.48	13.16	56.55	100	0	P	V
													V
													V
		11650	46.78	-27.22	74	52.58	39.55	10.53	55.88	100	0	P	H
		17475	49.67	-18.53	68.2	52.32	40.92	13.23	56.8	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	46.83	-27.17	74	52.63	39.55	10.53	55.88	100	0	P	V
5825MHz		17475	49.31	-18.89	68.2	51.96	40.92	13.23	56.8	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5637.4	51.97	-16.23	68.2	40.61	31.83	6.34	26.81	102	85	P	H
		5699.4	61.39	-43.37	104.76	49.84	32	6.42	26.87	102	85	P	H
		5719.8	73.52	-37.22	110.74	61.92	32.04	6.44	26.88	102	85	P	H
		5724.2	76.34	-44.04	120.38	64.73	32.05	6.45	26.89	102	85	P	H
	*	5755	111.67	-	-	99.99	32.1	6.49	26.91	102	85	P	H
	*	5755	103.39	-	-	91.71	32.1	6.49	26.91	102	85	A	H
		5854.8	52.04	-59.22	111.26	40.18	32.32	6.54	27	102	85	P	H
		5861.2	53.67	-55.39	109.06	41.8	32.34	6.54	27.01	102	85	P	H
		5920	52.42	-19.47	71.89	40.36	32.58	6.54	27.06	102	85	P	H
		5942.8	52.62	-15.58	68.2	40.49	32.67	6.54	27.08	102	85	P	H
802.11ac													H
VHT40													H
CH 151		5616	51.66	-16.54	68.2	40.26	31.87	6.32	26.79	363	76	P	V
5755MHz		5698.8	59.21	-45.11	104.32	47.65	32	6.42	26.86	363	76	P	V
		5718.4	69.15	-41.2	110.35	57.55	32.04	6.44	26.88	363	76	P	V
		5725	71.62	-50.58	122.2	60.01	32.05	6.45	26.89	363	76	P	V
	*	5755	109.2	-	-	97.52	32.1	6.49	26.91	363	76	P	V
	*	5755	100.81	-	-	89.13	32.1	6.49	26.91	363	76	A	V
		5854	52.67	-60.41	113.08	40.81	32.32	6.54	27	363	76	P	V
		5856.4	51.69	-58.72	110.41	39.82	32.33	6.54	27	363	76	P	V
		5875.2	52.27	-52.78	105.05	40.35	32.4	6.54	27.02	363	76	P	V
		5945.4	51.56	-16.64	68.2	39.42	32.68	6.54	27.08	363	76	P	V
													V
													V

WIFI Ant. 0+1	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)
		5646.6	52.28	-15.92	68.2	40.93	31.81	6.36	26.82	108	83	P	H
		5699	52.43	-52.03	104.46	40.88	32	6.42	26.87	108	83	P	H
		5720	55.58	-55.22	110.8	43.98	32.04	6.44	26.88	108	83	P	H
		5722.6	57.52	-59.21	116.73	45.91	32.05	6.45	26.89	108	83	P	H
	*	5795	112.13	-	-	100.45	32.1	6.53	26.95	108	83	P	H
	*	5795	103.45	-	-	91.77	32.1	6.53	26.95	108	83	A	H
		5851.2	62.82	-56.64	119.46	50.98	32.3	6.54	27	108	83	P	H
		5856	62.99	-47.53	110.52	51.13	32.32	6.54	27	108	83	P	H
		5876.6	53.7	-50.31	104.01	41.77	32.41	6.54	27.02	108	83	P	H
		5935.6	51.81	-16.39	68.2	39.7	32.64	6.54	27.07	108	83	P	H
802.11ac													H
VHT40													H
CH 159		5631.6	51.07	-17.13	68.2	39.7	31.84	6.34	26.81	360	65	P	V
5795MHz		5697.8	51.82	-51.76	103.58	40.27	31.99	6.42	26.86	360	65	P	V
		5710.6	53.5	-54.67	108.17	41.93	32.02	6.43	26.88	360	65	P	V
		5724.4	52.93	-67.9	120.83	41.32	32.05	6.45	26.89	360	65	P	V
	*	5795	109.15	-	-	97.47	32.1	6.53	26.95	360	65	P	V
	*	5795	100.8	-	-	89.12	32.1	6.53	26.95	360	65	A	V
		5850.4	56.28	-65.01	121.29	44.44	32.3	6.54	27	360	65	P	V
		5865.8	56.41	-51.36	107.77	44.52	32.36	6.54	27.01	360	65	P	V
		5876.8	52.65	-51.21	103.86	40.72	32.41	6.54	27.02	360	65	P	V
		5932.6	52.58	-15.62	68.2	40.48	32.63	6.54	27.07	360	65	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 VHT40 (Harmonic @ 3m)

WIFI Ant. 0+1	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	46.89	-27.11	74	52.17	40.07	10.45	55.8	100	0	P	H
		17265	47.86	-20.34	68.2	51.02	40.1	13.11	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	48.06	-25.94	74	53.34	40.07	10.45	55.8	100	0	P	V
5755MHz		17265	48.61	-19.59	68.2	51.77	40.1	13.11	56.37	100	0	P	V
													V
													V
		11590	46.64	-27.36	74	52.17	39.83	10.49	55.85	100	0	P	H
		17385	50.04	-18.16	68.2	52.86	40.62	13.18	56.62	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	46.44	-27.56	74	51.97	39.83	10.49	55.85	100	0	P	V
5795MHz		17385	49.92	-18.28	68.2	52.74	40.62	13.18	56.62	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. 0+1	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)
		5649.8	57.62	-10.58	68.2	46.28	31.8	6.36	26.82	100	89	P	H
		5695.2	70.47	-31.19	101.66	58.94	31.98	6.41	26.86	100	89	P	H
		5719.4	75.57	-35.06	110.63	63.97	32.04	6.44	26.88	100	89	P	H
		5722.8	72.66	-44.52	117.18	61.05	32.05	6.45	26.89	100	89	P	H
	*	5775	109.09	-	-	97.41	32.1	6.51	26.93	100	89	P	H
	*	5775	101.58	-	-	89.9	32.1	6.51	26.93	100	89	A	H
		5850	75.89	-46.31	122.2	64.05	32.3	6.54	27	100	89	P	H
		5855.2	71.23	-39.51	110.74	59.37	32.32	6.54	27	100	89	P	H
		5875.2	64.24	-40.81	105.05	52.32	32.4	6.54	27.02	100	89	P	H
		5925.2	54.88	-13.32	68.2	42.8	32.6	6.54	27.06	100	89	P	H
802.11ac													H
VHT80													H
CH 155		5634.4	54.79	-13.41	68.2	43.43	31.83	6.34	26.81	381	80	P	V
5775MHz		5699	64.63	-39.83	104.46	53.08	32	6.42	26.87	381	80	P	V
		5719	68.76	-41.76	110.52	57.16	32.04	6.44	26.88	381	80	P	V
		5720.8	70.63	-41.99	112.62	59.03	32.04	6.44	26.88	381	80	P	V
	*	5775	106.6	-	-	94.92	32.1	6.51	26.93	381	80	P	V
	*	5775	99.41	-	-	87.73	32.1	6.51	26.93	381	80	A	V
		5854.4	63.87	-48.3	112.17	52.01	32.32	6.54	27	381	80	P	V
		5860.2	66.91	-42.43	109.34	55.04	32.34	6.54	27.01	381	80	P	V
		5878.4	62.04	-40.63	102.67	50.11	32.41	6.54	27.02	381	80	P	V
		5934.2	52.89	-15.31	68.2	40.78	32.64	6.54	27.07	381	80	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.94	-27.06	74	52.34	39.95	10.47	55.82	100	0	P	H
		17325	48.27	-19.93	68.2	51.29	40.33	13.14	56.49	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.22	-27.78	74	51.62	39.95	10.47	55.82	100	0	P	V
5775MHz		17325	47.95	-20.25	68.2	50.97	40.33	13.14	56.49	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 0+1	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)
		62.98	26.25	-13.75	40	45.94	11.91	0.67	32.27	-	-	P	H
		99.84	25.71	-17.79	43.5	40.88	16.12	0.82	32.11	-	-	P	H
		146.4	31.85	-11.65	43.5	45.54	17.45	1.06	32.2	100	0	P	H
		186.17	24.62	-18.88	43.5	40.8	14.89	1.21	32.28	-	-	P	H
		208.48	24.82	-18.68	43.5	40.72	15.09	1.29	32.28	-	-	P	H
		954.41	32.5	-13.5	46	30.06	30.68	2.7	30.94	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		62.01	29.24	-10.76	40	48.96	11.88	0.67	32.27	100	0	P	V
LF		88.2	27.46	-16.04	43.5	44.25	14.58	0.79	32.16	-	-	P	V
		120.21	25.94	-17.56	43.5	39.56	17.56	0.97	32.15	-	-	P	V
		149.31	25.59	-17.91	43.5	39.39	17.34	1.07	32.21	-	-	P	V
		167.74	23.25	-20.25	43.5	38.45	15.91	1.14	32.25	-	-	P	V
		952.47	33.64	-12.36	46	31.3	30.61	2.7	30.97	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<TXBF Mode>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (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.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5615.8	51.86	-16.34	68.2	40.46	31.87	6.32	26.79	209	71	P	H
		5700	65.45	-39.75	105.2	53.9	32	6.42	26.87	209	71	P	H
		5720	76.04	-34.76	110.8	64.44	32.04	6.44	26.88	209	71	P	H
		5725	88.02	-34.18	122.2	76.41	32.05	6.45	26.89	209	71	P	H
	*	5745	116.05	-	-	104.4	32.09	6.47	26.91	209	71	P	H
	*	5745	107.23	-	-	95.58	32.09	6.47	26.91	209	71	A	H
802.11ac													H
VHT20													H
CH 149		5608.4	52.13	-16.07	68.2	40.73	31.88	6.31	26.79	106	99	P	V
5745MHz		5698.4	60.86	-43.16	104.02	49.31	31.99	6.42	26.86	106	99	P	V
		5719.8	73.64	-37.1	110.74	62.04	32.04	6.44	26.88	106	99	P	V
		5725	84.36	-37.84	122.2	72.75	32.05	6.45	26.89	106	99	P	V
	*	5745	115.53	-	-	103.88	32.09	6.47	26.91	106	99	P	V
	*	5745	107.21	-	-	95.56	32.09	6.47	26.91	106	99	A	V
													V
													V

WIFI Ant. 0+1	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)
		5611.2	52.62	-15.58	68.2	41.22	31.88	6.31	26.79	209	70	P	H
		5669.8	53.21	-29.68	82.89	41.79	31.88	6.38	26.84	209	70	P	H
		5715	56.47	-52.93	109.4	44.88	32.03	6.44	26.88	209	70	P	H
		5724.2	57.66	-62.72	120.38	46.05	32.05	6.45	26.89	209	70	P	H
	*	5785	115.35	-	-	103.67	32.1	6.52	26.94	209	70	P	H
	*	5785	106.64	-	-	94.96	32.1	6.52	26.94	209	70	A	H
		5851.4	56.64	-62.37	119.01	44.79	32.31	6.54	27	209	70	P	H
		5855.4	56.92	-53.77	110.69	45.06	32.32	6.54	27	209	70	P	H
		5885.4	54.58	-42.9	97.48	42.63	32.44	6.54	27.03	209	70	P	H
		5940.4	52.83	-15.37	68.2	40.71	32.66	6.54	27.08	209	70	P	H
802.11ac													H
VHT20													H
CH 157		5600.8	51.59	-16.61	68.2	40.17	31.9	6.3	26.78	111	98	P	V
5785MHz		5698.2	53.38	-50.49	103.87	41.83	31.99	6.42	26.86	111	98	P	V
		5718.8	56.1	-54.36	110.46	44.5	32.04	6.44	26.88	111	98	P	V
		5720.8	55.7	-56.92	112.62	44.1	32.04	6.44	26.88	111	98	P	V
	*	5785	115.61	-	-	103.93	32.1	6.52	26.94	111	98	P	V
	*	5785	106.95	-	-	95.27	32.1	6.52	26.94	111	98	A	V
		5851	55.26	-64.66	119.92	43.42	32.3	6.54	27	111	98	P	V
		5858.2	54.33	-55.57	109.9	42.47	32.33	6.54	27.01	111	98	P	V
		5902.4	53.33	-31.56	84.89	41.32	32.51	6.54	27.04	111	98	P	V
		5926.8	52.74	-15.46	68.2	40.66	32.61	6.54	27.07	111	98	P	V
													V
													V

WIFI Ant. 0+1	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	115.02	-	-	103.26	32.2	6.54	26.98	210	74	P	H
	*	5825	106.86	-	-	95.1	32.2	6.54	26.98	210	74	A	H
		5850.4	76.82	-44.47	121.29	64.98	32.3	6.54	27	210	74	P	H
		5858.2	69.24	-40.66	109.9	57.38	32.33	6.54	27.01	210	74	P	H
		5877.4	59.36	-44.06	103.42	47.43	32.41	6.54	27.02	210	74	P	H
		5933.8	54.75	-13.45	68.2	42.64	32.64	6.54	27.07	210	74	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	115.52	-	-	103.76	32.2	6.54	26.98	119	96	P	V
5825MHz	*	5825	106.21	-	-	94.45	32.2	6.54	26.98	119	96	A	V
		5850.2	73.63	-48.11	121.74	61.79	32.3	6.54	27	119	96	P	V
		5855.8	66.45	-44.13	110.58	54.59	32.32	6.54	27	119	96	P	V
		5876.6	57.75	-46.26	104.01	45.82	32.41	6.54	27.02	119	96	P	V
		5928.8	52.64	-15.56	68.2	40.55	32.62	6.54	27.07	119	96	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 0+1	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	47.81	-26.19	74	53.11	40.07	10.43	55.8	100	0	P	H
		17235	48.31	-19.89	68.2	51.52	40.01	13.09	56.31	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	47.37	-26.63	74	52.67	40.07	10.43	55.8	100	0	P	V
5745MHz		17235	48.3	-19.9	68.2	51.51	40.01	13.09	56.31	100	0	P	V
													V
													V
		11570	46.46	-27.54	74	51.92	39.89	10.48	55.83	100	0	P	H
		17355	50.62	-17.58	68.2	53.53	40.48	13.16	56.55	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	47.27	-26.73	74	52.73	39.89	10.48	55.83	100	0	P	V
5785MHz		17355	50.6	-17.6	68.2	53.51	40.48	13.16	56.55	100	0	P	V
													V
													V
		11650	47.16	-26.84	74	52.96	39.55	10.53	55.88	100	0	P	H
		17475	52.69	-15.51	68.2	55.34	40.92	13.23	56.8	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	46.97	-27.03	74	52.77	39.55	10.53	55.88	100	0	P	V
5825MHz		17475	49.47	-18.73	68.2	52.12	40.92	13.23	56.8	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5636.4	61.77	-6.43	68.2	50.41	31.83	6.34	26.81	198	70	P	H
		5698.6	77.35	-26.82	104.17	65.8	31.99	6.42	26.86	198	70	P	H
		5718.2	90.77	-19.53	110.3	79.17	32.04	6.44	26.88	198	70	P	H
		5724.6	90.92	-30.37	121.29	79.31	32.05	6.45	26.89	198	70	P	H
	*	5755	113.1	-	-	101.42	32.1	6.49	26.91	198	70	P	H
	*	5755	104.71	-	-	93.03	32.1	6.49	26.91	198	70	A	H
		5852.6	64.18	-52.09	116.27	52.33	32.31	6.54	27	198	70	P	H
		5857	62.06	-48.18	110.24	50.19	32.33	6.54	27	198	70	P	H
		5882.8	57.81	-41.6	99.41	45.87	32.43	6.54	27.03	198	70	P	H
		5941.8	53.48	-14.72	68.2	41.35	32.67	6.54	27.08	198	70	P	H
802.11ac													H
VHT40													H
CH 151		5646.8	58.72	-9.48	68.2	47.37	31.81	6.36	26.82	123	99	P	V
5755MHz		5697.6	74.22	-29.21	103.43	62.67	31.99	6.42	26.86	123	99	P	V
		5719.8	89.32	-21.42	110.74	77.72	32.04	6.44	26.88	123	99	P	V
		5723.8	92.19	-27.27	119.46	80.58	32.05	6.45	26.89	123	99	P	V
	*	5755	112.93	-	-	101.25	32.1	6.49	26.91	123	99	P	V
	*	5755	104.83	-	-	93.15	32.1	6.49	26.91	123	99	A	V
		5853.2	63.81	-51.09	114.9	51.96	32.31	6.54	27	123	99	P	V
		5856.8	60.01	-50.29	110.3	48.14	32.33	6.54	27	123	99	P	V
		5892.6	56.95	-35.19	92.14	44.98	32.47	6.54	27.04	123	99	P	V
		5943	52.31	-15.89	68.2	40.18	32.67	6.54	27.08	123	99	P	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5636.6	54.5	-13.7	68.2	43.14	31.83	6.34	26.81	214	70	P	H
		5697.6	63.16	-40.27	103.43	51.61	31.99	6.42	26.86	214	70	P	H
		5712.6	67.69	-41.04	108.73	56.1	32.03	6.44	26.88	214	70	P	H
		5724.4	68.54	-52.29	120.83	56.93	32.05	6.45	26.89	214	70	P	H
	*	5795	113.98	-	-	102.3	32.1	6.53	26.95	214	70	P	H
	*	5795	105.17	-	-	93.49	32.1	6.53	26.95	214	70	A	H
		5850.8	74.46	-45.92	120.38	62.62	32.3	6.54	27	214	70	P	H
		5855	74.01	-36.79	110.8	62.15	32.32	6.54	27	214	70	P	H
		5875.4	65.6	-39.3	104.9	53.68	32.4	6.54	27.02	214	70	P	H
		5936.6	55.87	-12.33	68.2	43.75	32.65	6.54	27.07	214	70	P	H
802.11ac													H
VHT40													H
CH 159		5640.4	53.84	-14.36	68.2	42.48	31.82	6.35	26.81	109	94	P	V
5795MHz		5690.8	62.95	-35.47	98.42	51.44	31.96	6.41	26.86	109	94	P	V
		5716.2	69.92	-39.82	109.74	58.33	32.03	6.44	26.88	109	94	P	V
		5721.6	68.78	-45.67	114.45	57.18	32.04	6.45	26.89	109	94	P	V
	*	5795	113.43	-	-	101.75	32.1	6.53	26.95	109	94	P	V
	*	5795	105	-	-	93.32	32.1	6.53	26.95	109	94	A	V
		5850.6	73.86	-46.97	120.83	62.02	32.3	6.54	27	109	94	P	V
		5856	72.11	-38.41	110.52	60.25	32.32	6.54	27	109	94	P	V
		5876	64.63	-39.83	104.46	52.71	32.4	6.54	27.02	109	94	P	V
		5937	55.29	-12.91	68.2	43.17	32.65	6.54	27.07	109	94	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 VHT40 (Harmonic @ 3m)

WIFI Ant. 0+1	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	47.17	-26.83	74	52.45	40.07	10.45	55.8	100	0	P	H
		17265	48.04	-20.16	68.2	51.2	40.1	13.11	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	48.23	-25.77	74	53.51	40.07	10.45	55.8	100	0	P	V
5755MHz		17265	48.6	-19.6	68.2	51.76	40.1	13.11	56.37	100	0	P	V
													V
													V
		11590	46.82	-27.18	74	52.35	39.83	10.49	55.85	100	0	P	H
		17385	48.89	-19.31	68.2	51.71	40.62	13.18	56.62	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	45.81	-28.19	74	51.34	39.83	10.49	55.85	100	0	P	V
5795MHz		17385	48.91	-19.29	68.2	51.73	40.62	13.18	56.62	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. 0+1	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)
		5644	65.16	-3.04	68.2	53.82	31.81	6.35	26.82	206	69	P	H
		5696.6	80.93	-21.76	102.69	69.38	31.99	6.42	26.86	206	69	P	H
		5719.2	87.72	-22.86	110.58	76.12	32.04	6.44	26.88	206	69	P	H
		5723.8	85.9	-33.56	119.46	74.29	32.05	6.45	26.89	206	69	P	H
	*	5775	109.78	-	-	98.1	32.1	6.51	26.93	206	69	P	H
	*	5775	100.71	-	-	89.03	32.1	6.51	26.93	206	69	A	H
		5850	83.57	-38.63	122.2	71.73	32.3	6.54	27	206	69	P	H
		5864.4	80.67	-27.5	108.17	68.78	32.36	6.54	27.01	206	69	P	H
		5875	76.42	-28.78	105.2	64.5	32.4	6.54	27.02	206	69	P	H
		5925	63.08	-5.12	68.2	51	32.6	6.54	27.06	206	69	P	H
802.11ac													H
VHT80													H
CH 155		5645.6	63.24	-4.96	68.2	51.9	31.81	6.35	26.82	104	95	P	V
5775MHz		5699.8	80.65	-24.4	105.05	69.1	32	6.42	26.87	104	95	P	V
		5718.4	86.96	-23.39	110.35	75.36	32.04	6.44	26.88	104	95	P	V
		5724	85.72	-34.2	119.92	74.11	32.05	6.45	26.89	104	95	P	V
	*	5775	109.76	-	-	98.08	32.1	6.51	26.93	104	95	P	V
	*	5775	101.05	-	-	89.37	32.1	6.51	26.93	104	95	A	V
		5851	82.72	-37.2	119.92	70.88	32.3	6.54	27	104	95	P	V
		5860	80.55	-28.85	109.4	68.68	32.34	6.54	27.01	104	95	P	V
		5877.2	73.73	-29.84	103.57	61.8	32.41	6.54	27.02	104	95	P	V
		5927.8	59.9	-8.3	68.2	47.82	32.61	6.54	27.07	104	95	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. 0+1	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	47.23	-26.77	74	52.63	39.95	10.47	55.82	100	0	P	H
		17325	48.52	-19.68	68.2	51.54	40.33	13.14	56.49	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	47.32	-26.68	74	52.72	39.95	10.47	55.82	100	0	P	V
5775MHz		17325	48.53	-19.67	68.2	51.55	40.33	13.14	56.49	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 0+1	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)
		63.95	24.46	-15.54	40	44.04	11.99	0.69	32.26	-	-	P	H
		139.61	24.02	-19.48	43.5	37.59	17.59	1.03	32.19	-	-	P	H
		167.74	23.88	-19.62	43.5	39.08	15.91	1.14	32.25	-	-	P	H
		263.77	29.59	-16.41	46	40.51	19.79	1.4	32.11	-	-	P	H
		551.86	36.84	-9.16	46	41.67	25.58	1.99	32.4	100	0	P	H
		958.29	32.06	-13.94	46	29.64	30.6	2.72	30.9	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		33.88	23.88	-16.12	40	32.74	22.87	0.51	32.24	-	-	P	V
LF		91.11	23.31	-20.19	43.5	39.63	15.04	0.79	32.15	-	-	P	V
		120.21	25.77	-17.73	43.5	39.39	17.56	0.97	32.15	-	-	P	V
		167.74	24.6	-18.9	43.5	39.8	15.91	1.14	32.25	-	-	P	V
		551.86	32.58	-13.42	46	37.41	25.58	1.99	32.4	100	0	P	V
		951.5	32.23	-13.77	46	29.95	30.57	2.69	30.98	-	-	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.	
0+1		(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 C. Radiated Spurious Emission Plots

Test Engineer :	Daniel Lee, Jacky Hong, and Wilson Wu	**Temperature :**	22.5~23.9°C
		Relative Humidity :	51.1~58.2%

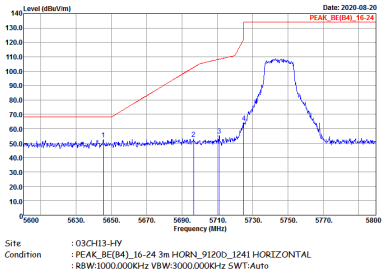
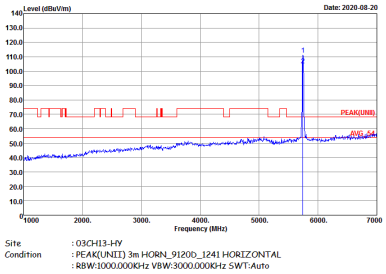
Note symbol

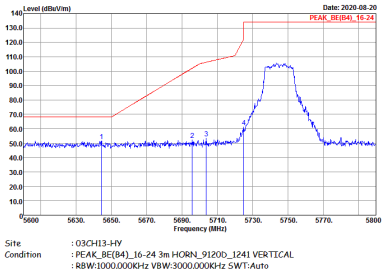
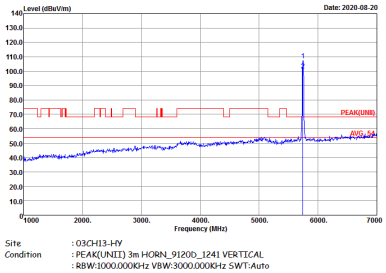
-L	**Low channel location**
-R	**High channel location**

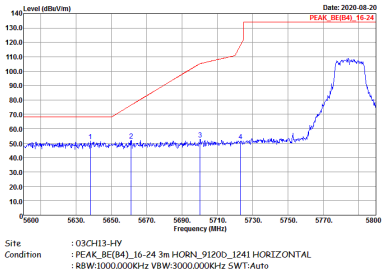
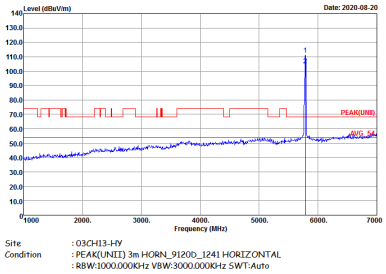
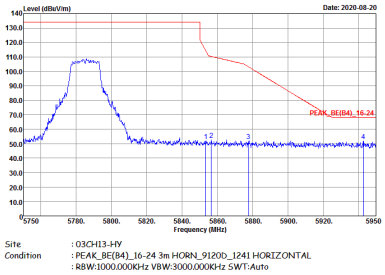
<CDD Mode>

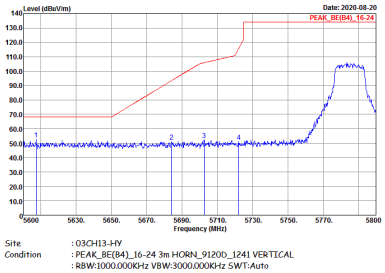
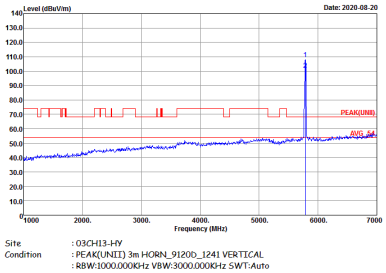
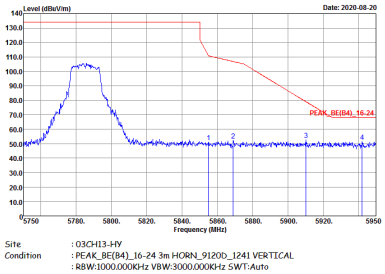
Band 4 - 5725~5850MHz

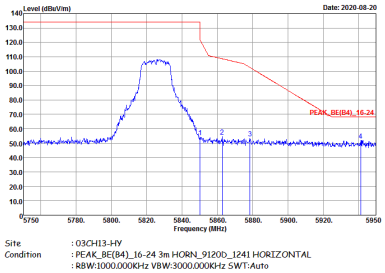
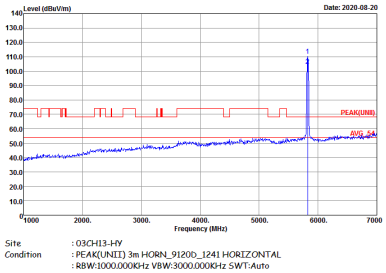
WIFI 802.11a (Band Edge @ 3m)

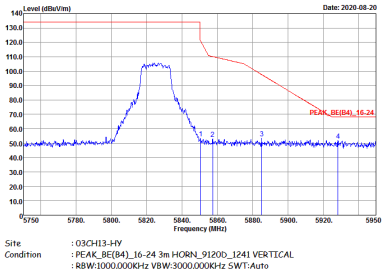
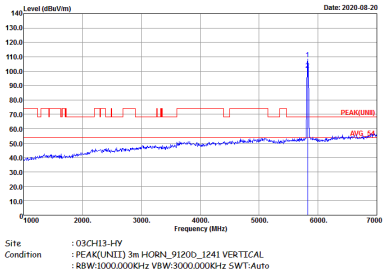
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0	Horizontal	Fundamental
Peak		

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

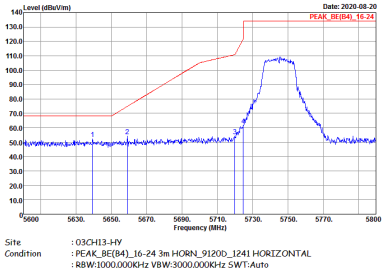
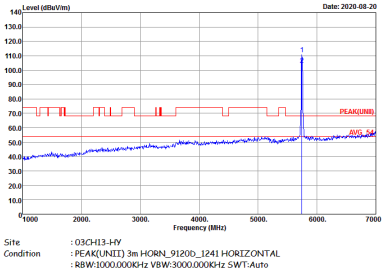
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Fundamental
Peak		
Peak		Left blank

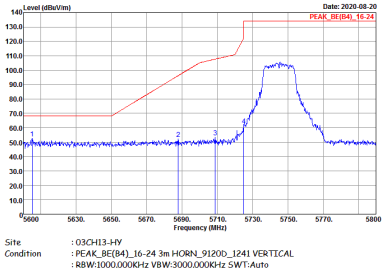
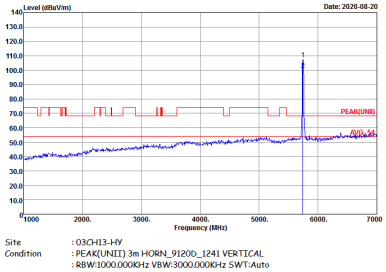
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

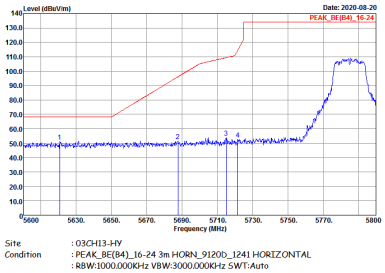
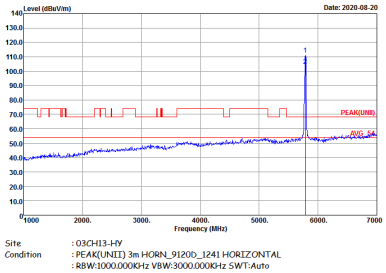
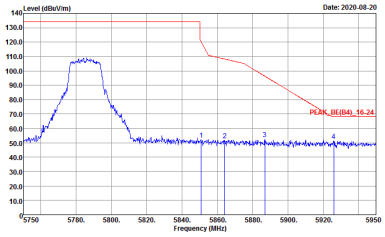
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0	Horizontal	Fundamental
Peak		

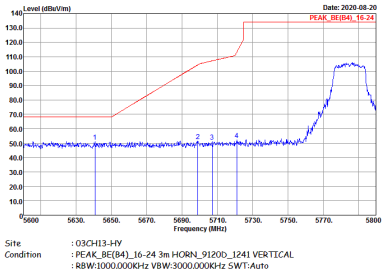
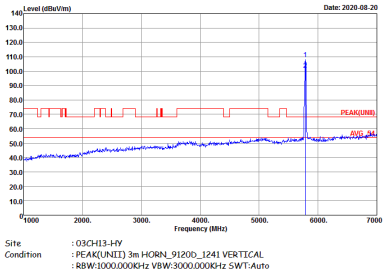
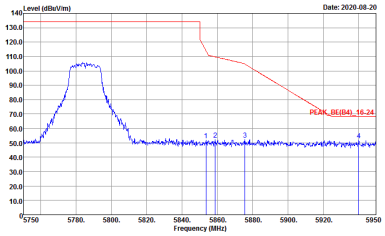
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0	Vertical	Fundamental
Peak		

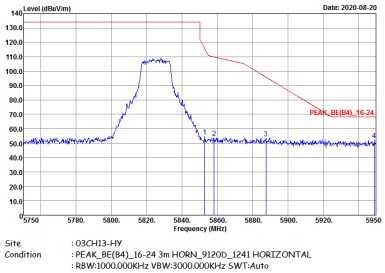
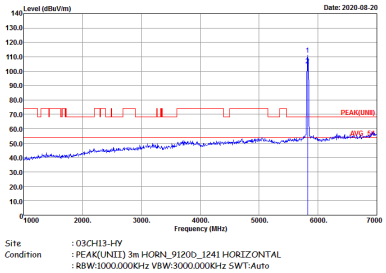
Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

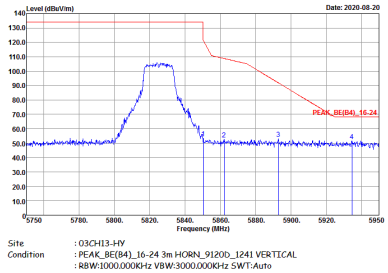
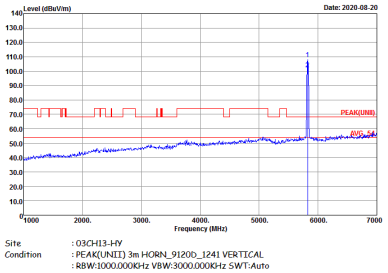
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0	Vertical	Fundamental
Peak Avg.		

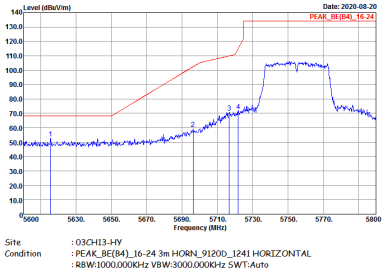
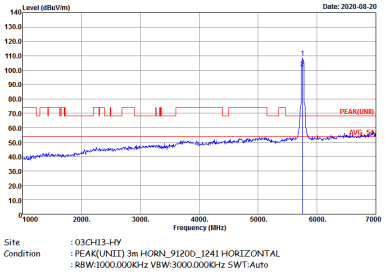
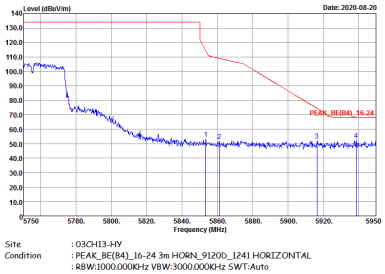
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070401 Mode : 128 Setting : 17.5	Left blank

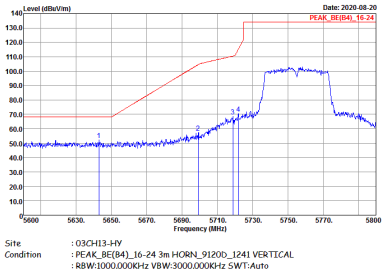
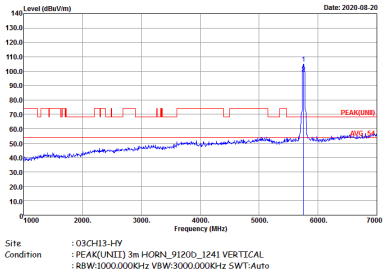
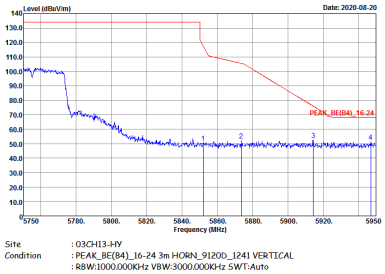
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070401 Mode : 128 Setting : 17.5	Left blank

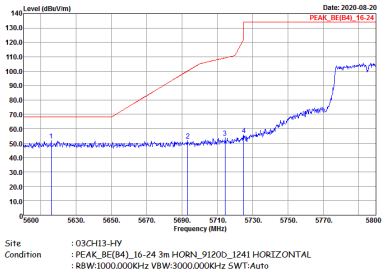
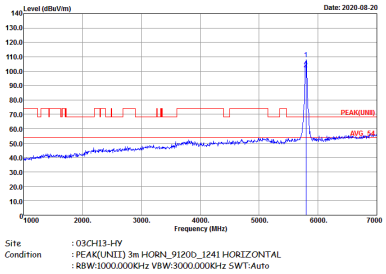
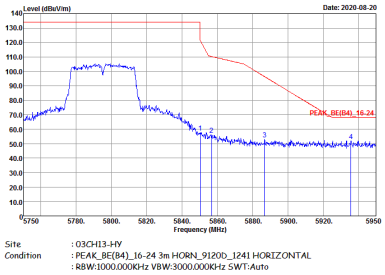
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0	Horizontal	Fundamental
Peak		

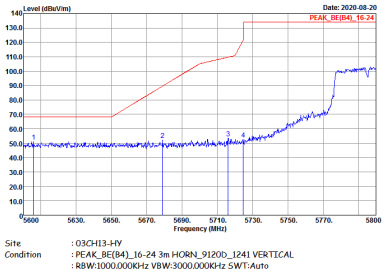
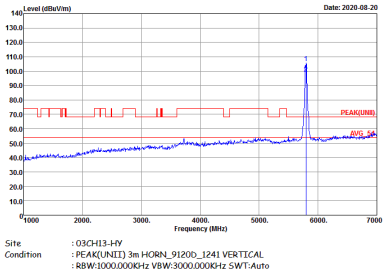
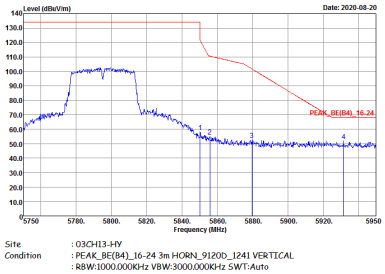
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0	Vertical	Fundamental
Peak Avg.		

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

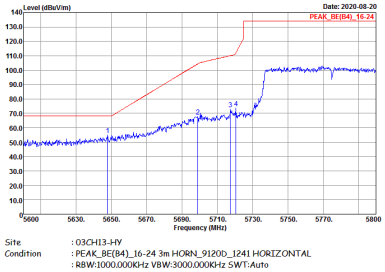
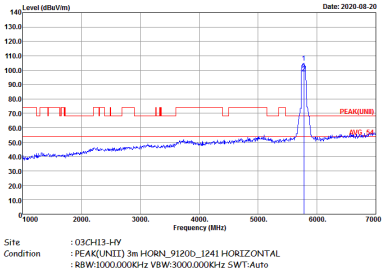
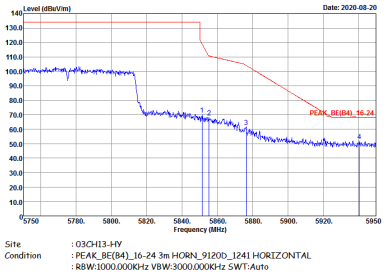
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0	Horizontal	Fundamental
Peak		
Peak		Left blank

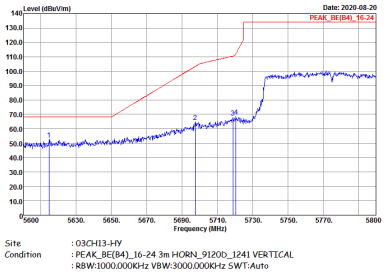
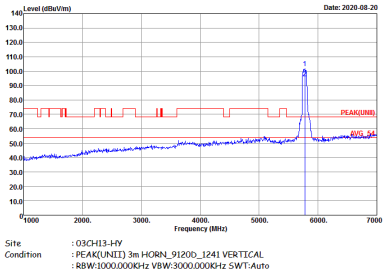
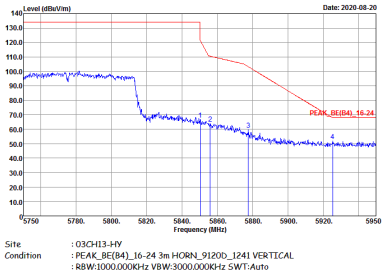
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

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

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

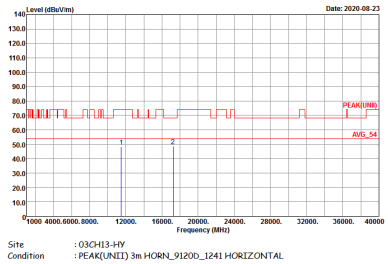
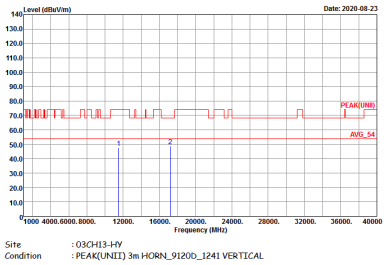
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

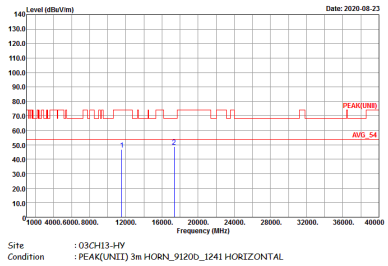
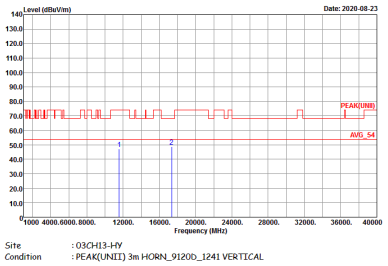
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0	Horizontal	Fundamental
Peak		
Peak		Left blank

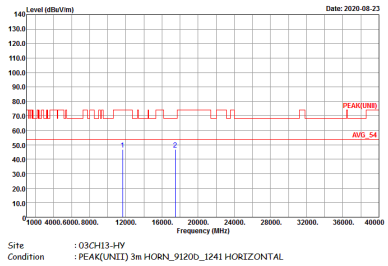
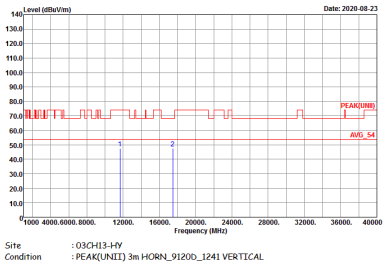
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

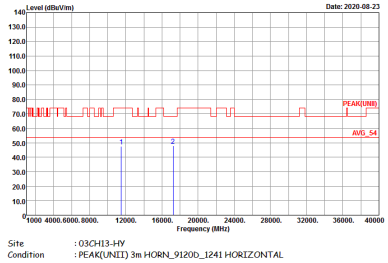
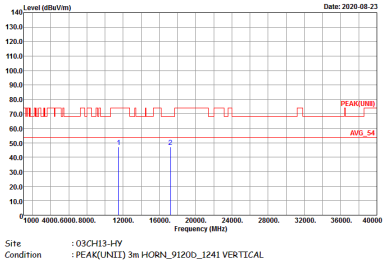
WIFI 802.11a (Harmonic @ 3m)

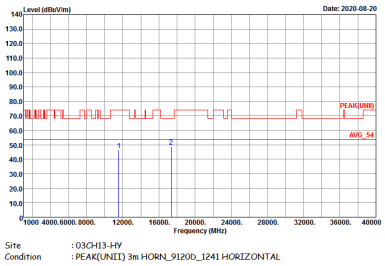
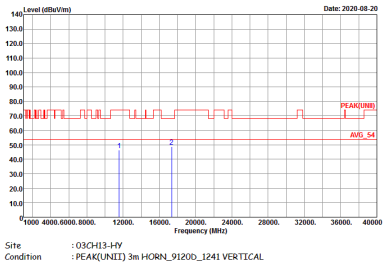
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0	Horizontal	Vertical
Peak Avg.		

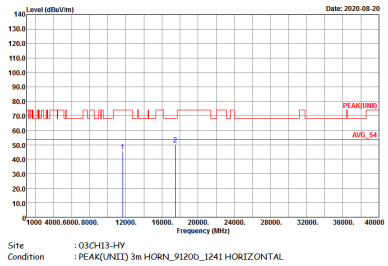
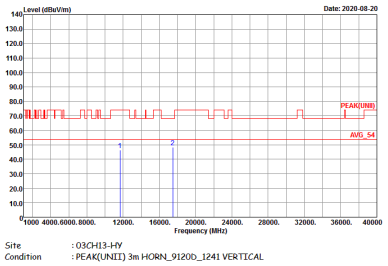
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Vertical
Peak Avg.		

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

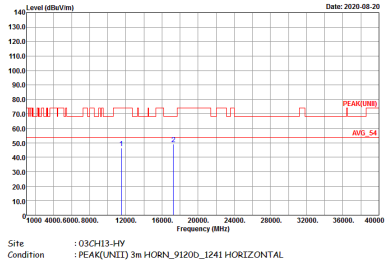
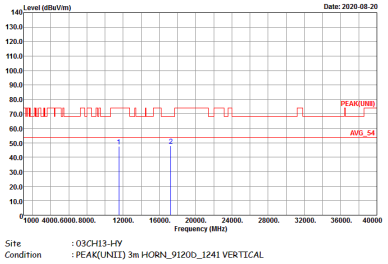
Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

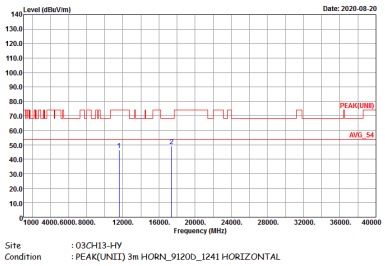
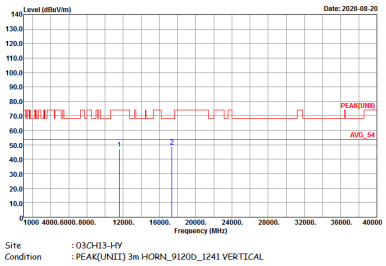
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0	Horizontal	Vertical
Peak Avg.		

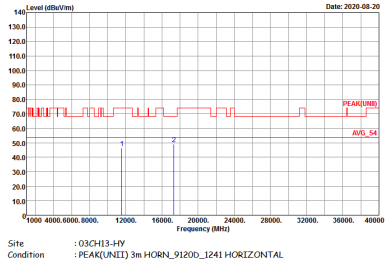
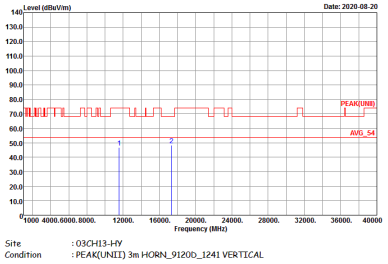
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0	Horizontal	Vertical
Peak Avg.		

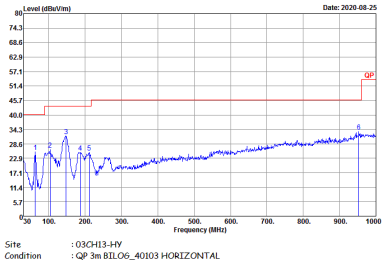
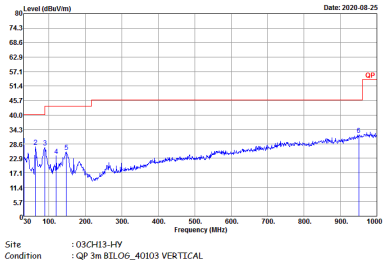
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0	Horizontal	Vertical
Peak Avg.		

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

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

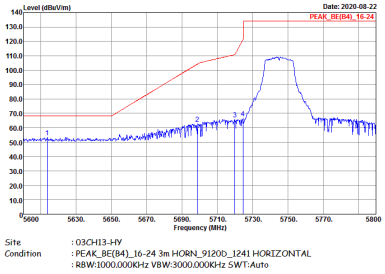
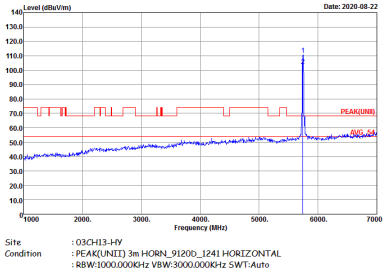
Emission below 1GHz

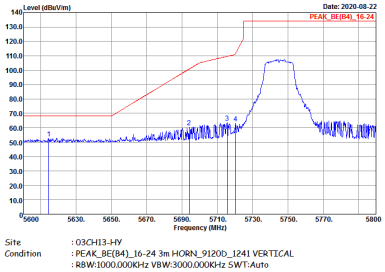
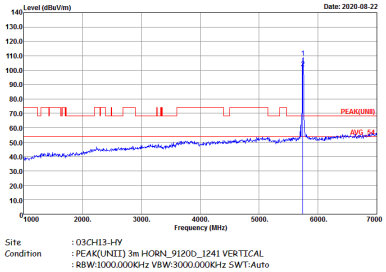
5GHz WIFI 802.11ac VHT80 (LF)

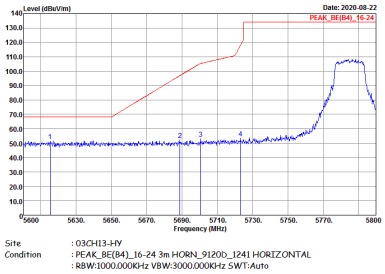
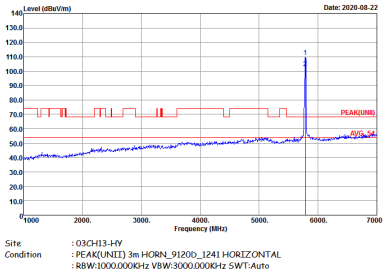
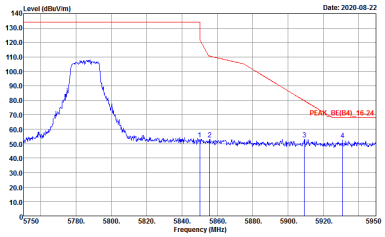
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
0	Horizontal	Vertical
QP / Peak		

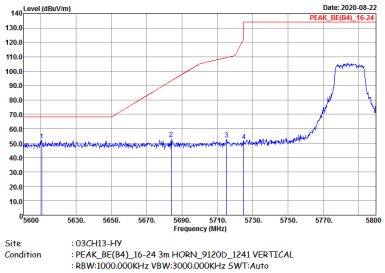
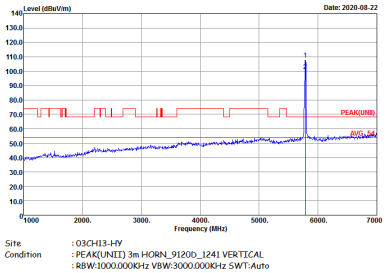
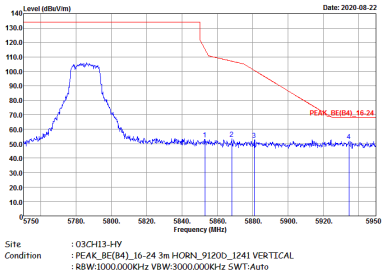
Band 4 - 5725~5850MHz

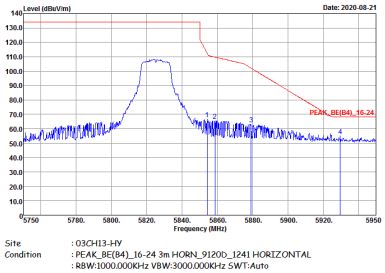
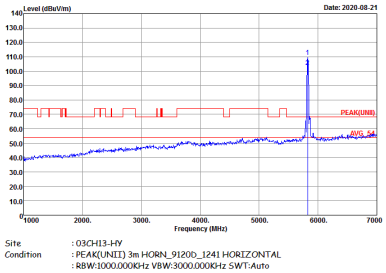
WIFI 802.11a (Band Edge @ 3m)

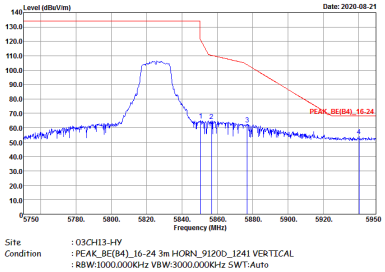
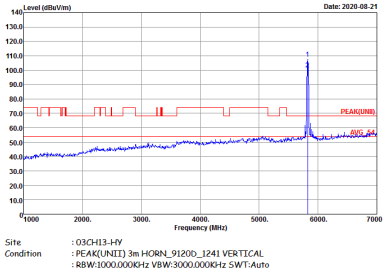
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

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

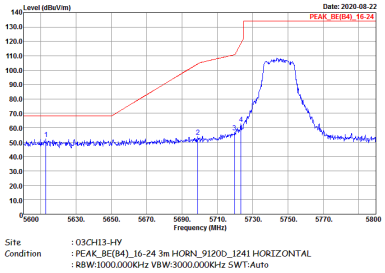
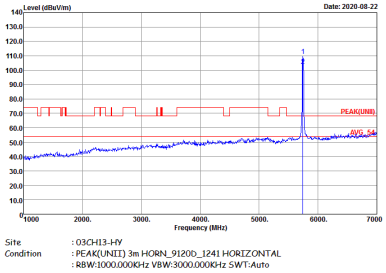
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

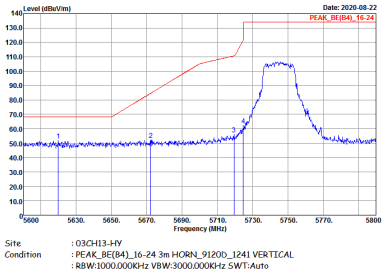
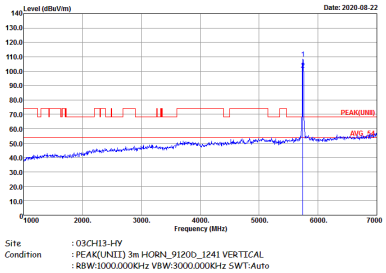
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

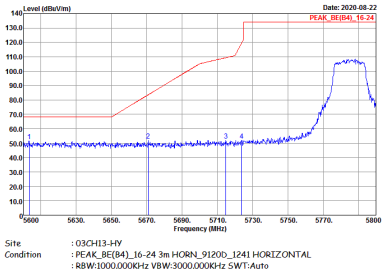
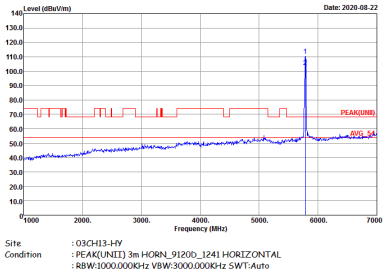
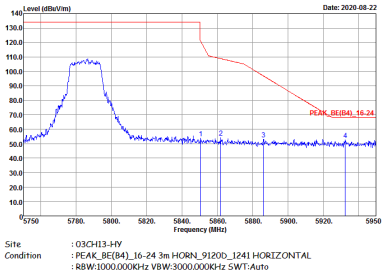
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

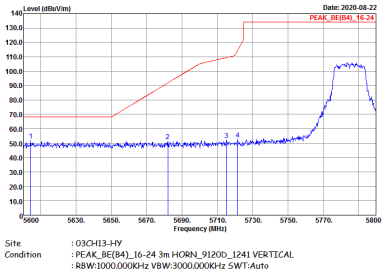
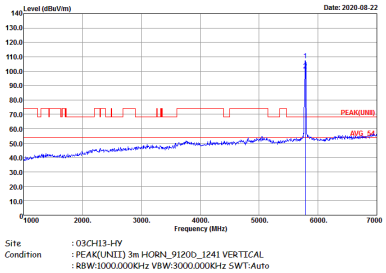
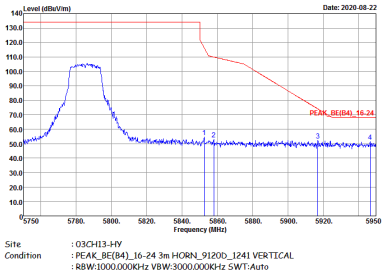
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

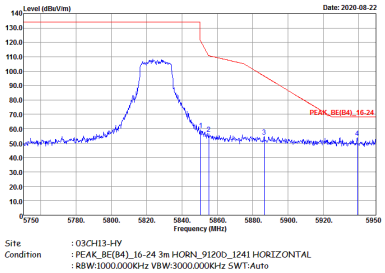
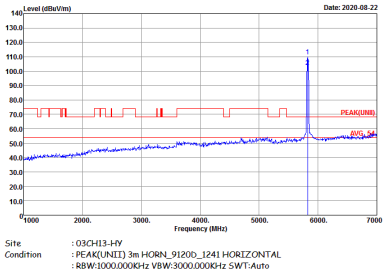
Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

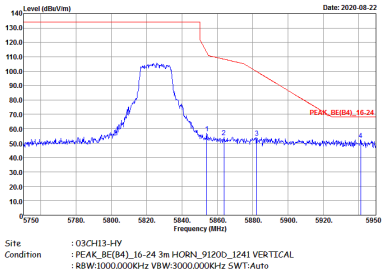
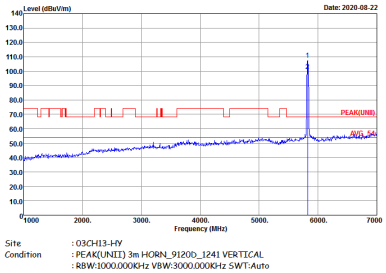
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

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

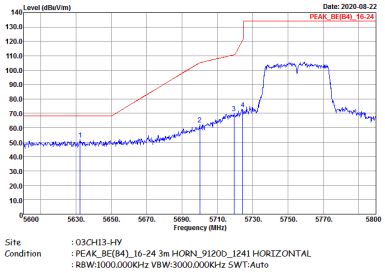
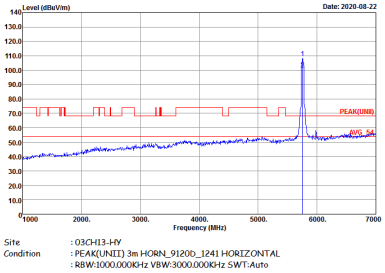
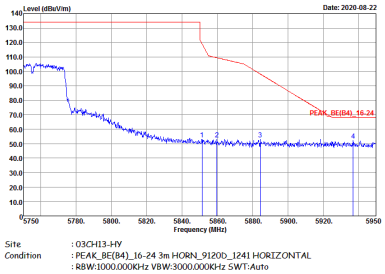
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

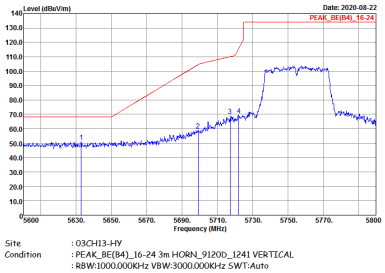
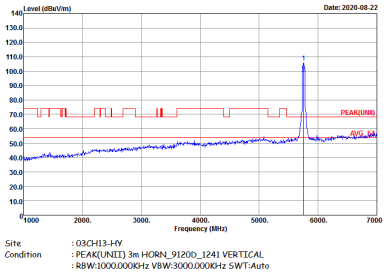
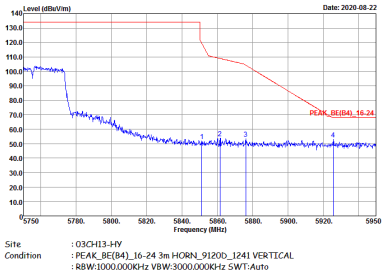
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

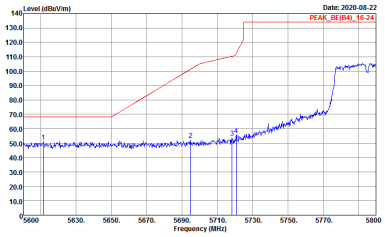
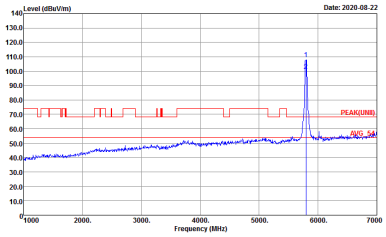
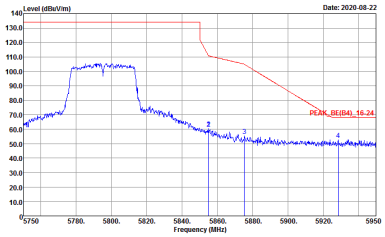
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

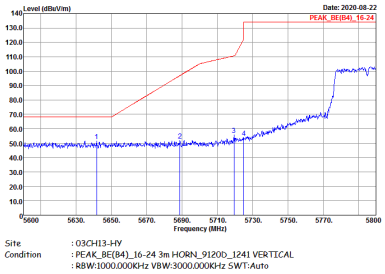
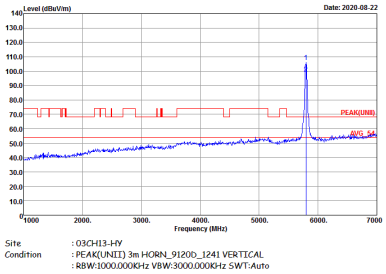
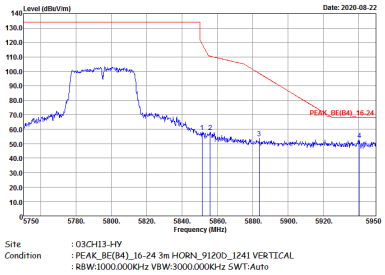
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak Avg.		

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

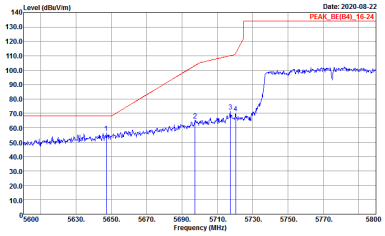
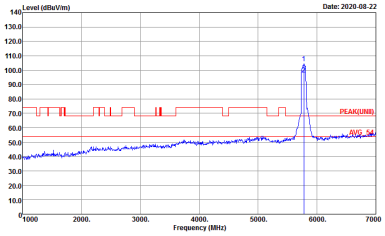
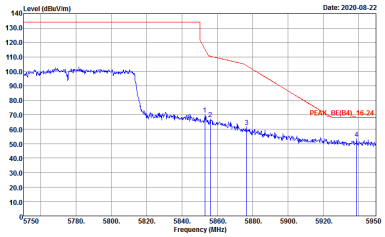
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

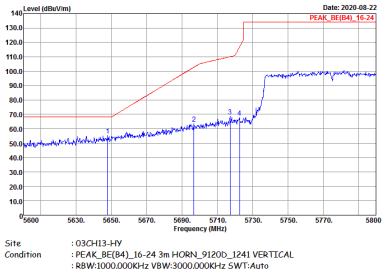
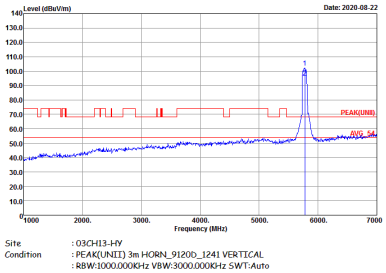
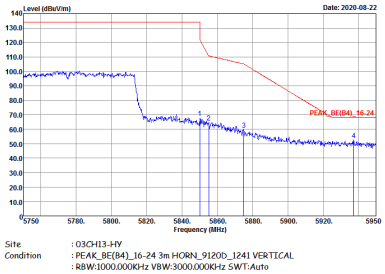
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

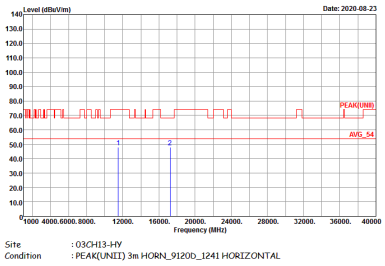
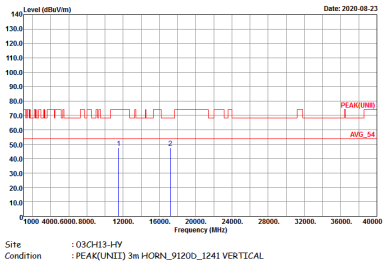
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

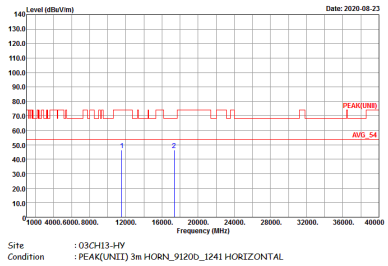
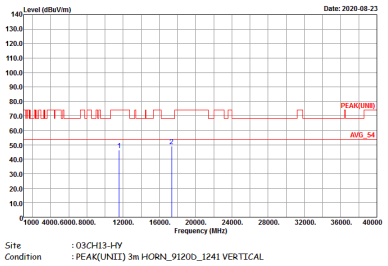
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

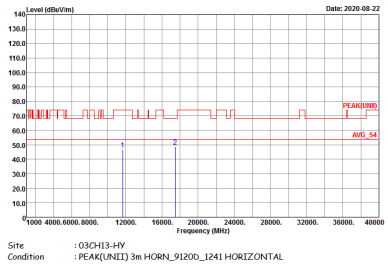
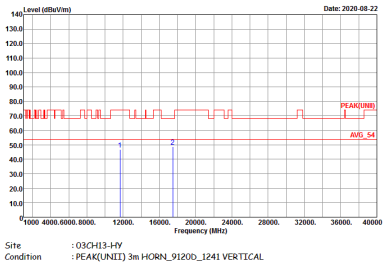
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

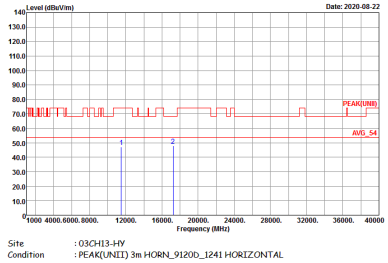
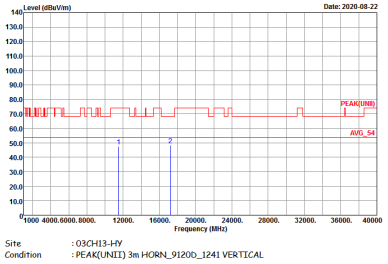
WIFI 802.11a (Harmonic @ 3m)

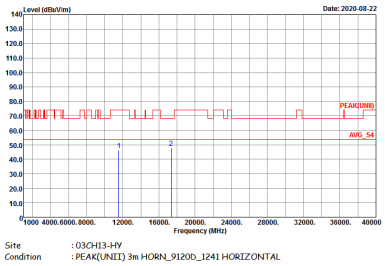
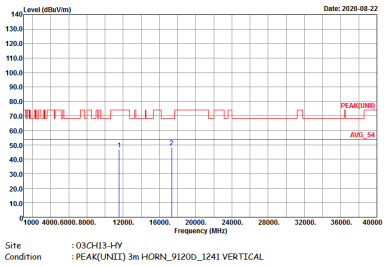
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

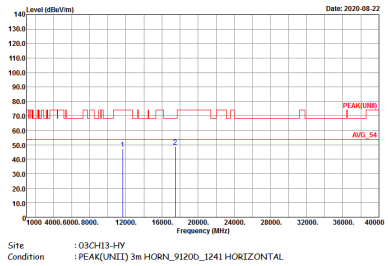
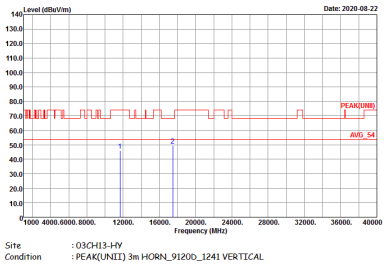
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

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

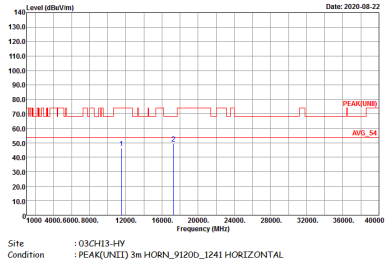
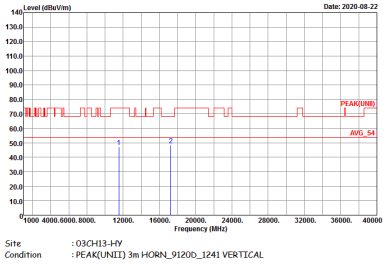
Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

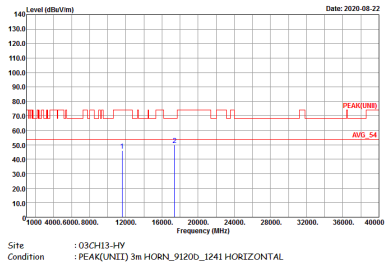
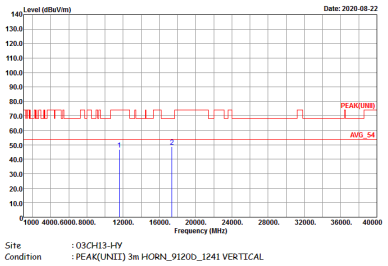
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

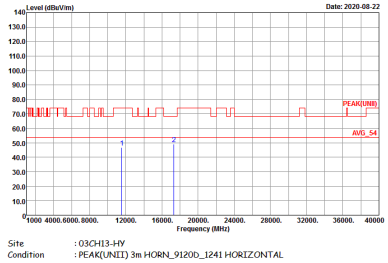
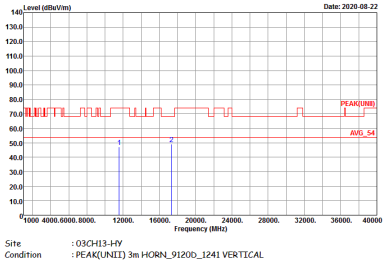
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Horizontal	Vertical
Peak Avg.		

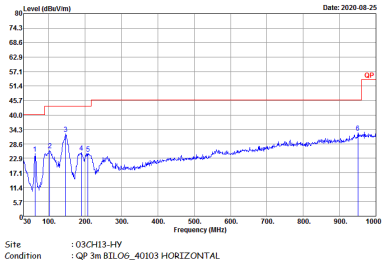
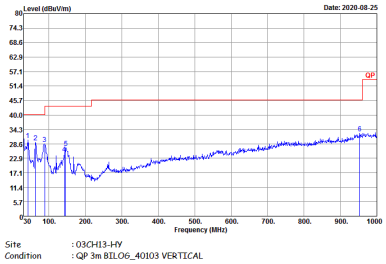
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

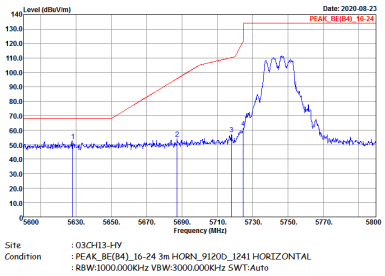
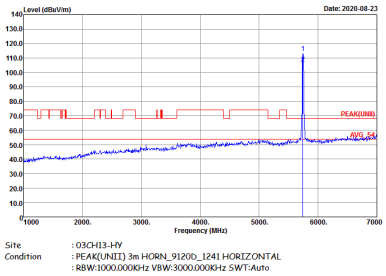
Emission below 1GHz

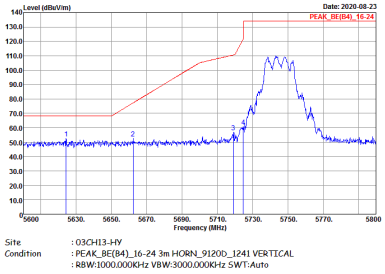
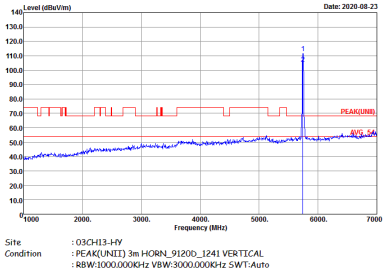
5GHz WIFI 802.11ac VHT80 (LF)

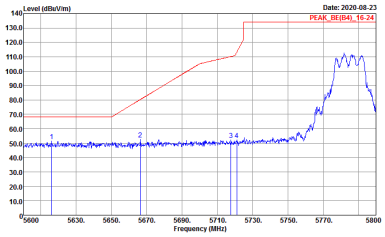
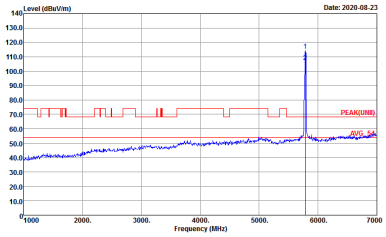
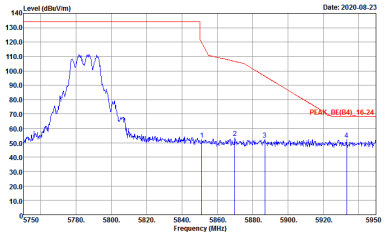
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak		

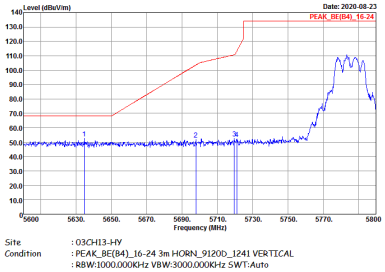
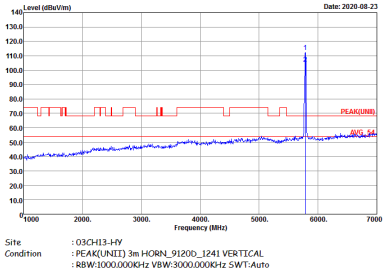
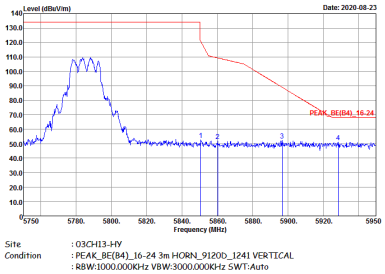
Band 4 - 5725~5850MHz

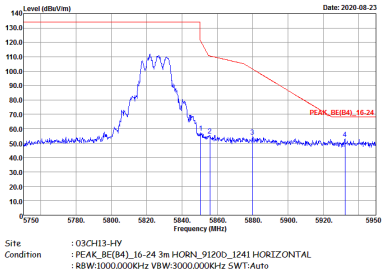
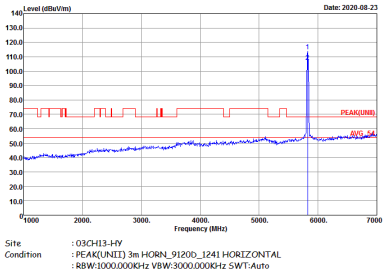
WIFI 802.11a (Band Edge @ 3m)

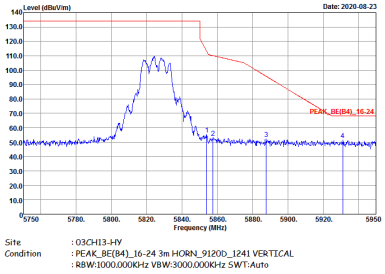
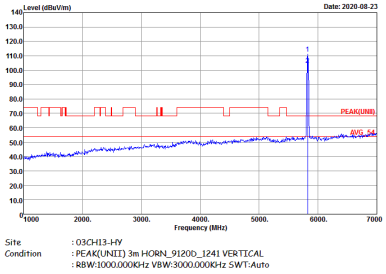
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070401 Mode : 143 Setting : 17	Left blank

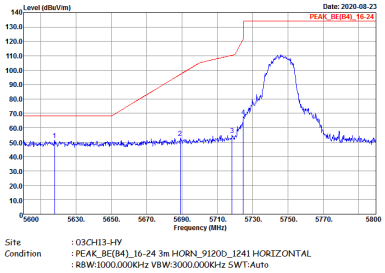
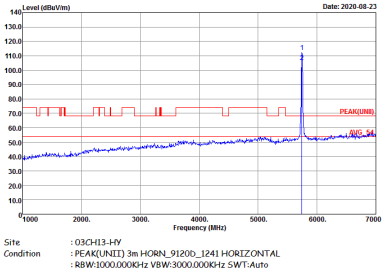
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

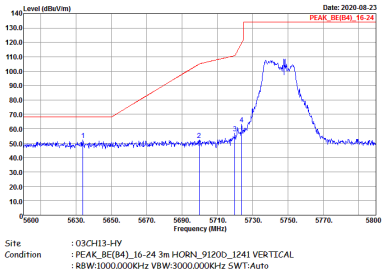
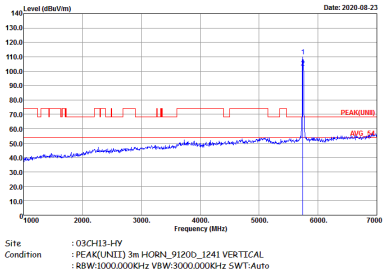
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

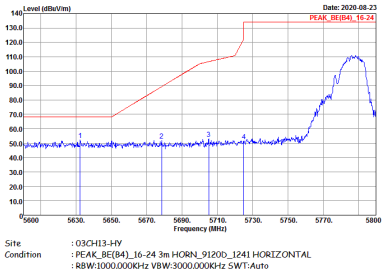
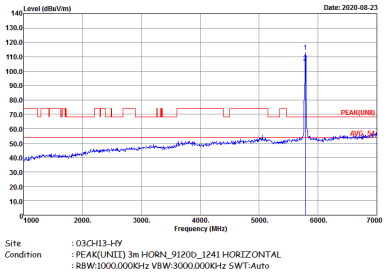
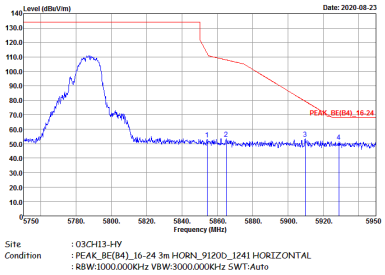
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

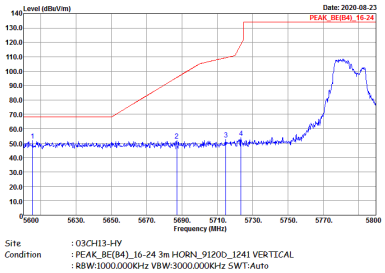
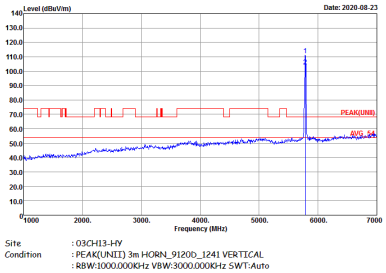
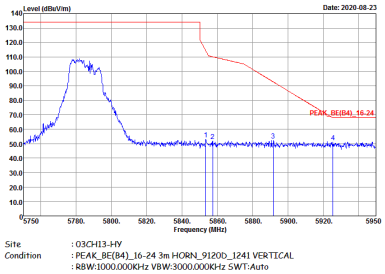
Band 4 5725~5850MHz

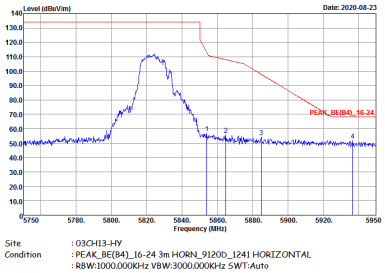
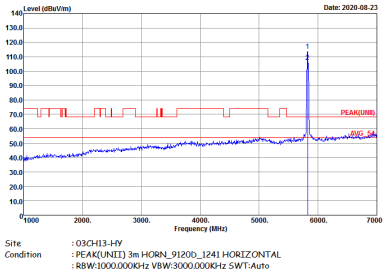
WIFI 802.11ac VHT20 (Band Edge @ 3m)

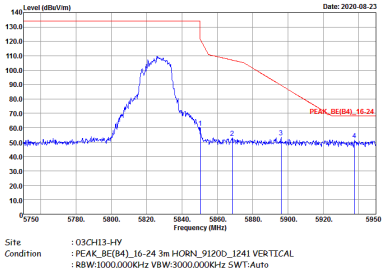
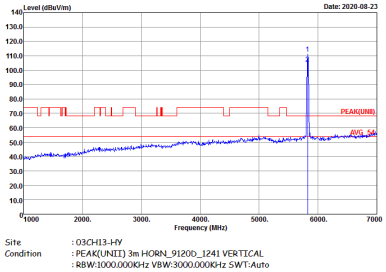
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak Avg.		

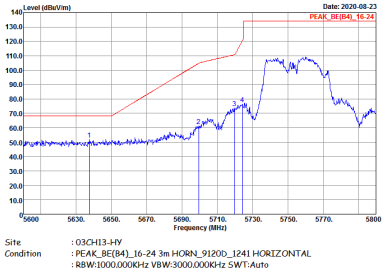
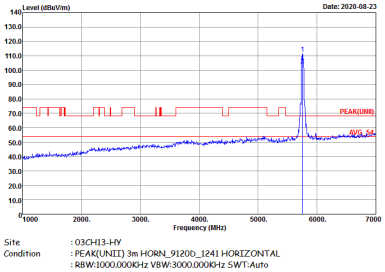
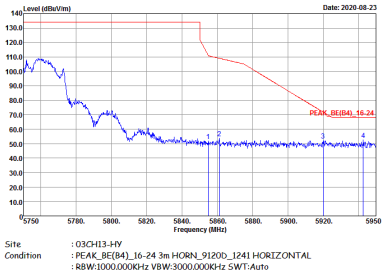
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

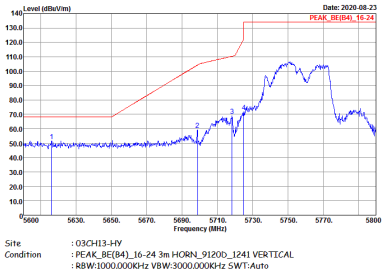
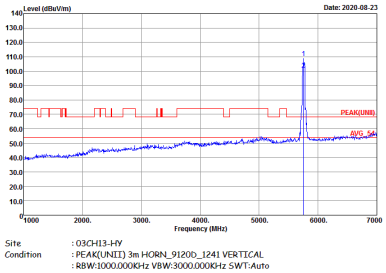
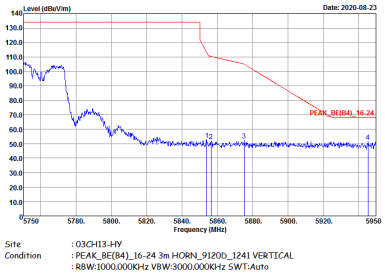
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak Avg.		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

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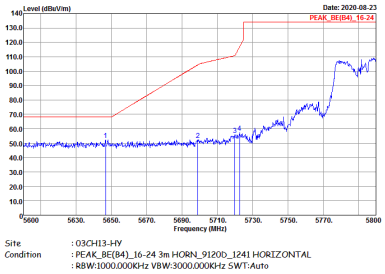
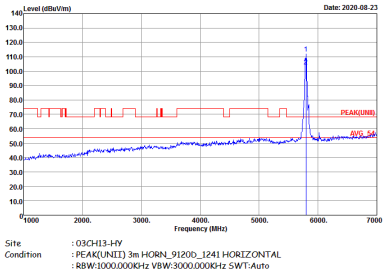
<tr><td>WIFI</td><td colspan="2">Band 4 5725~5850MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ac VHT40 CH159 5795MHz</td></tr>
<tr><td>0+1</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 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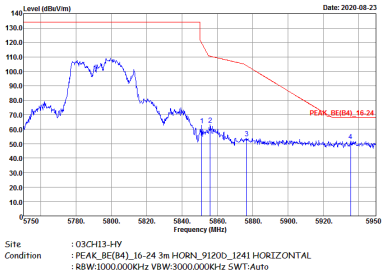
<tr><td>Peak</td><td> 
</td><td>Left blank</td></tr>
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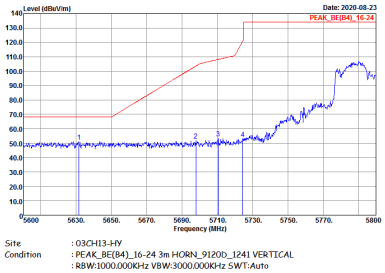
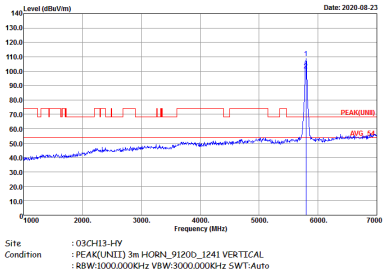
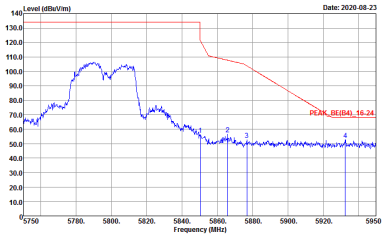
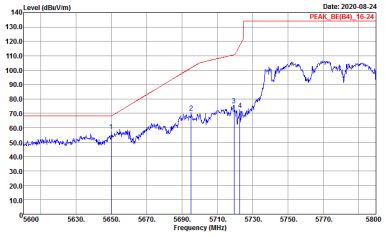
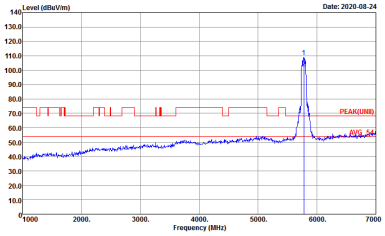
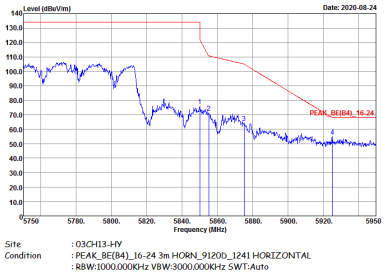
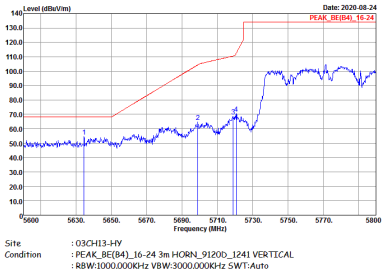
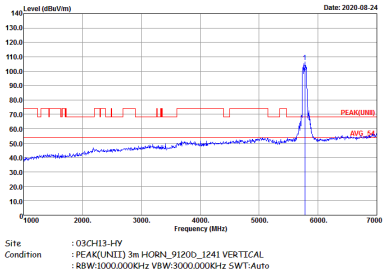
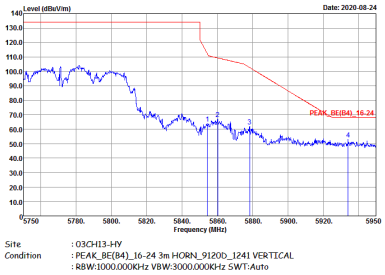
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

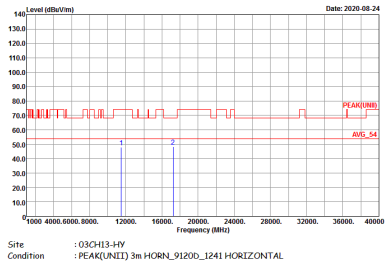
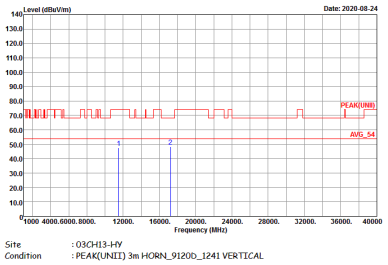
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

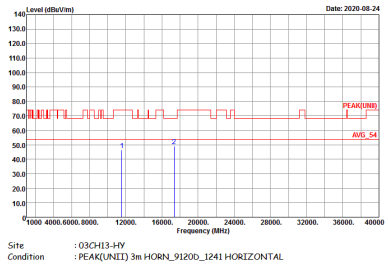
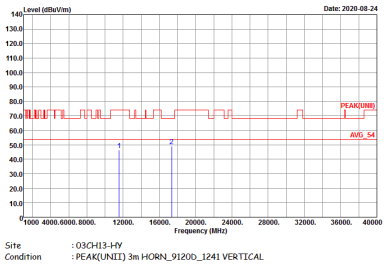
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

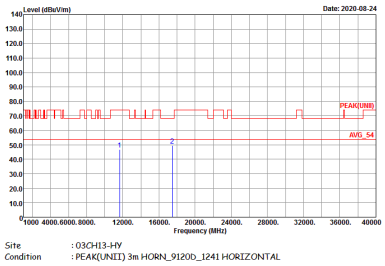
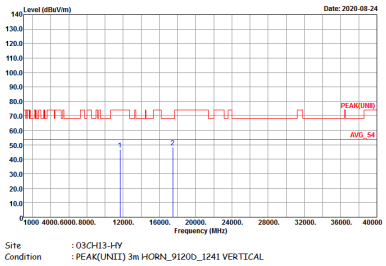
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

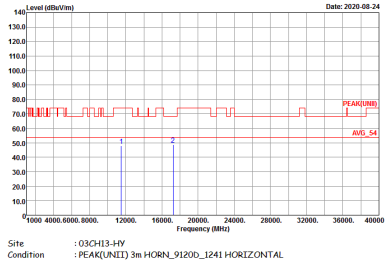
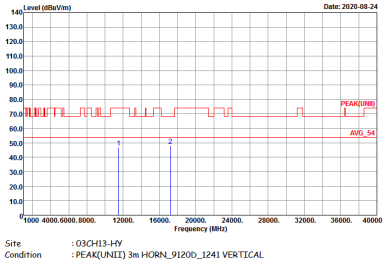
WIFI 802.11a (Harmonic @ 3m)

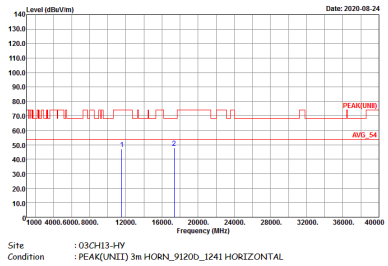
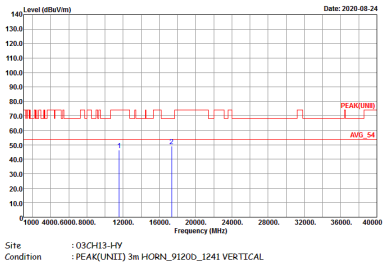
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

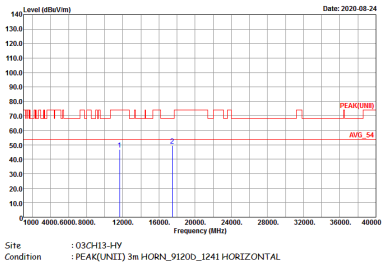
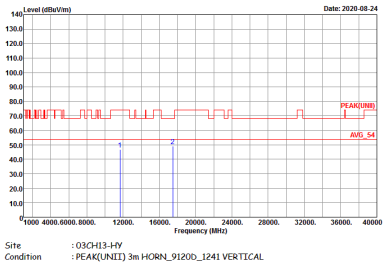
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

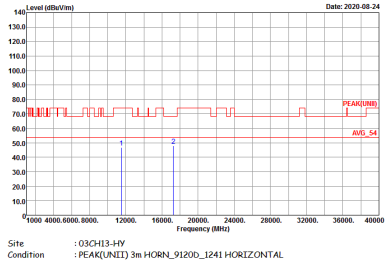
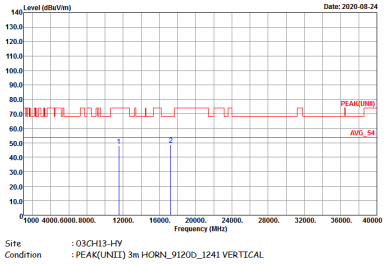
Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

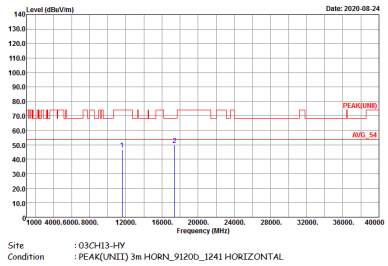
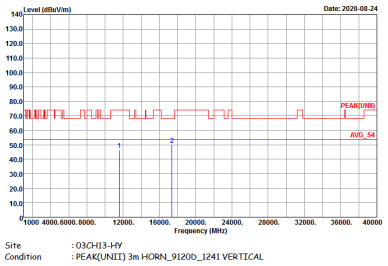
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

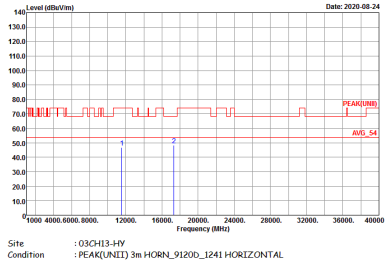
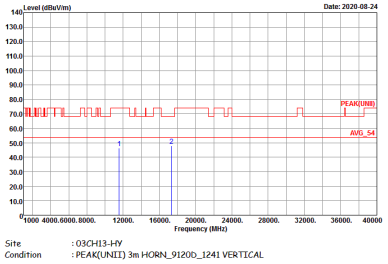
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.		

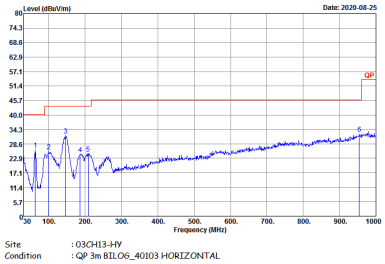
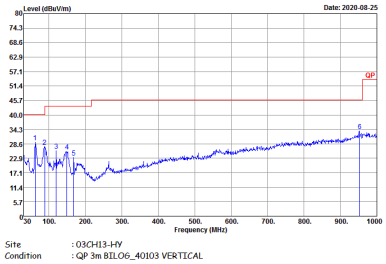
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

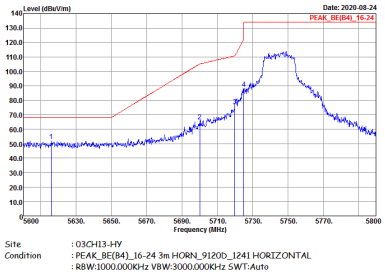
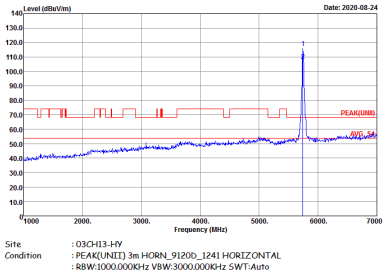
5GHz WIFI 802.11ac VHT80 (LF)

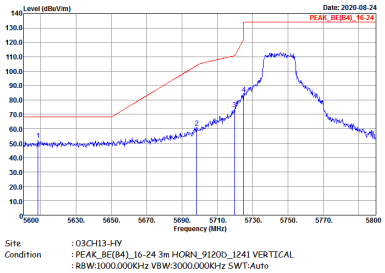
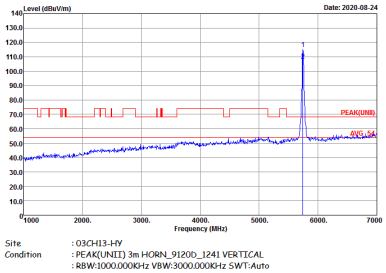
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
0+1	Horizontal	Vertical
QP / Peak		

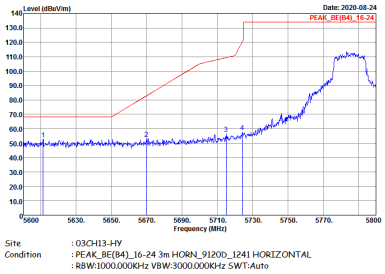
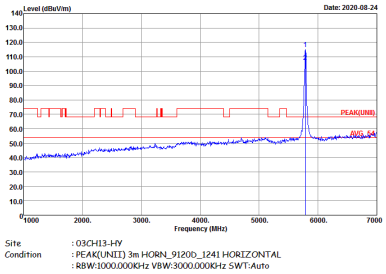
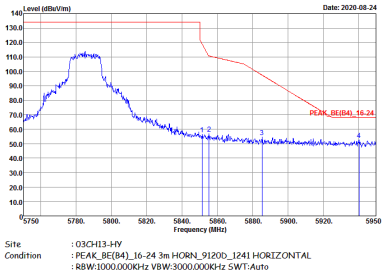
<TXBF Mode>

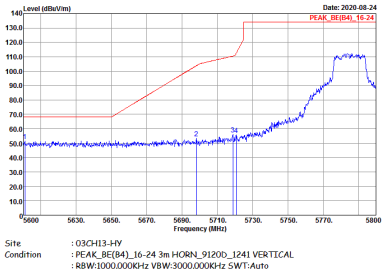
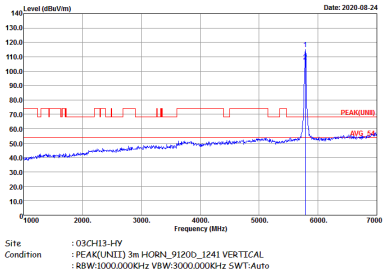
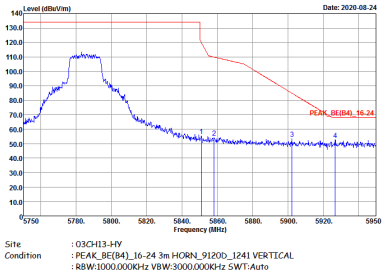
Band 4 - 5725~5850MHz

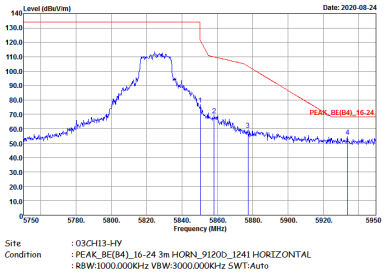
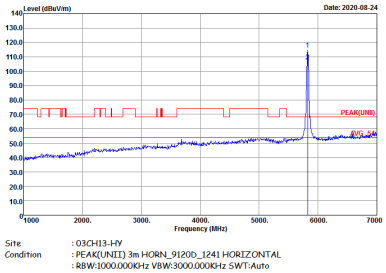
WIFI 802.11ac VHT20 (Band Edge @ 3m)

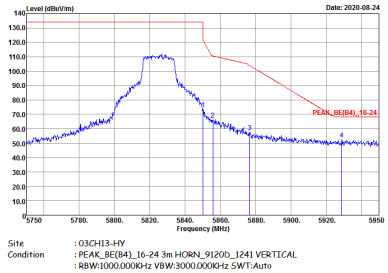
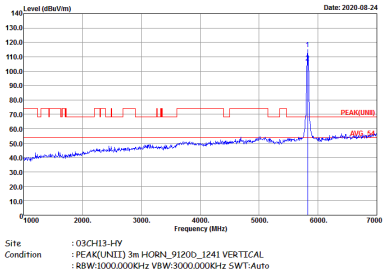
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak Avg.		

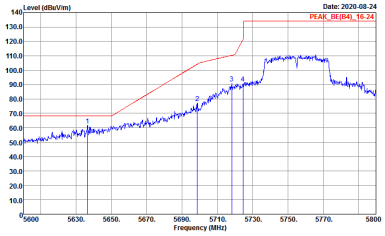
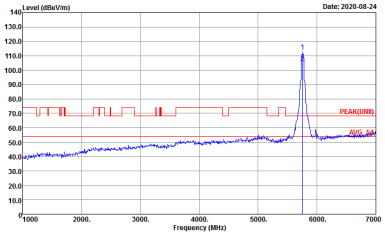
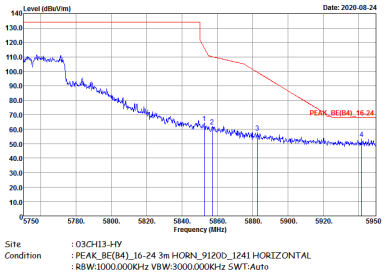
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

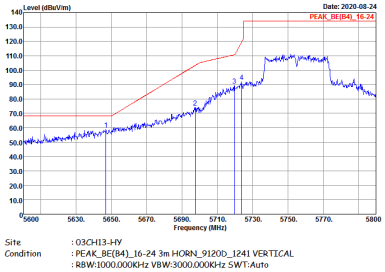
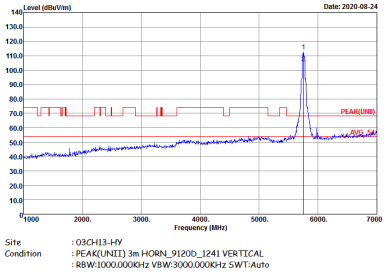
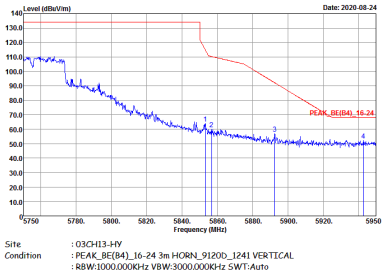
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak Avg.		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

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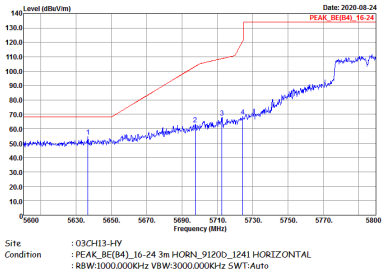
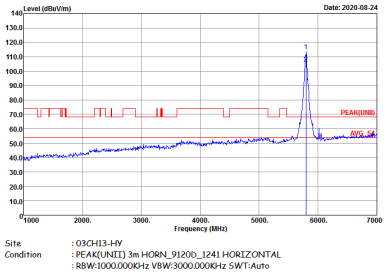
<tr><td>ANT</td><td colspan="2">802.11ac VHT40 CH159 5795MHz</td></tr>
<tr><td>0+1</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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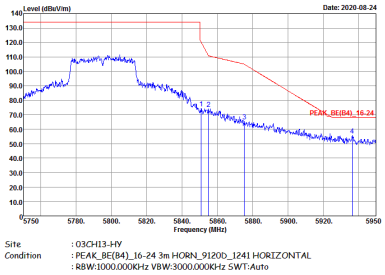
<tr><td>Peak</td><td> 
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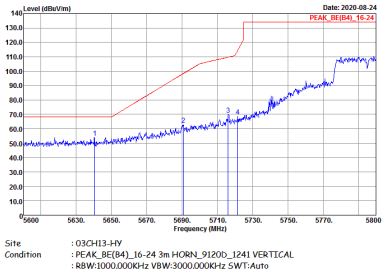
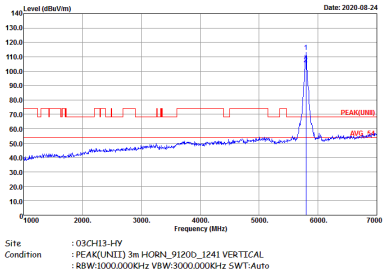
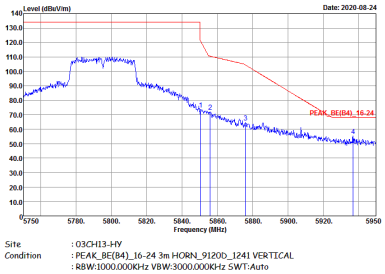
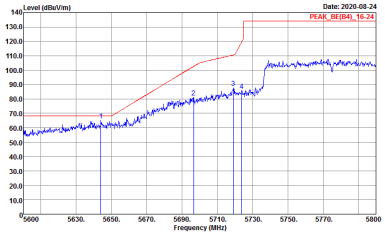
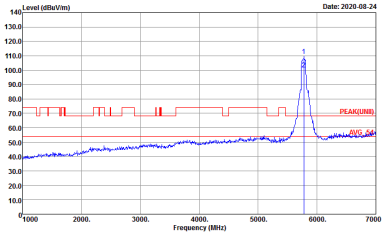
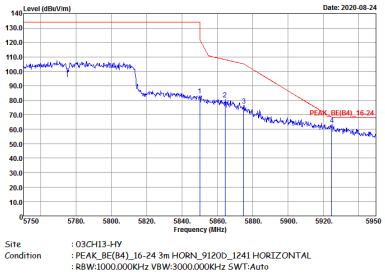
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

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	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank