FCC RADIO TEST REPORT

FCC ID	:	**UZ7ET56DT**
Equipment	:	**Tablet**
Brand Name	:	**Zebra**
Model Name	:	**ET56DT**
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. 30, 2020 and testing was started from Aug. 04, 2020 and completed on Sep. 13, 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
FR072903-01F	01	Initial issue of report	Sep. 17, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403 (i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407 (a)	Maximum Conducted Output Power	Pass	-
3.3	15.407 (a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 6.55 dB at 120.210 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.76 dB at 0.165 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: Cindy Liu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet
Brand Name	Zebra
Model Name	ET56DT
FCC ID	UZ7ET56DT
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	DV1
SW Version	Android 10
FW Version	10-13-05.00-QG-U00-PRD-HEL-04(For TX) 10-11-23.00-QG-U00-PLT-HEL-04(For TXBF only)
MFD	15JUL20
EUT Stage	Identical Prototype

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

Specification of Accessories				
Spare Standard Battery 36.75Wh	**Brand Name**	Zebra	**Part Number**	BT-000394

Supported Unit Used in Test Configuration and System				
Cradle (Dock) for EMC	**Brand Name**	Zebra	**Part Number**	CRD-ET5X-1SCG1
Cradle (Dock) for RSE	**Brand Name**	Zebra	**Part Number**	CHG-ET5X-CBL1-01
Adapter for Cradle	**Brand Name**	Zebra	**Part Number**	PWRBGA12V50W0WW
DC Cable for Cradle	**Brand Name**	Zebra	**Part Number**	CBL-DC-388A1-01
USB Cable	**Brand Name**	Zebra	**Part Number**	CBL-TC2X-USBC-01
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US

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. 1>** 802.11a : 19.70 dBm / 0.0933 W 802.11n HT20 : 19.60 dBm / 0.0912 W 802.11n HT40 : 18.90 dBm / 0.0776 W 802.11ac VHT20: 19.50 dBm / 0.0891 W 802.11ac VHT40: 18.80 dBm / 0.0759 W 802.11ac VHT80: 19.10 dBm / 0.0813 W **<Ant. 2>** 802.11a : 19.80 dBm / 0.0955 W 802.11n HT20 : 19.80 dBm / 0.0955 W 802.11n HT40 : 18.70 dBm / 0.0741 W 802.11ac VHT20: 19.70 dBm / 0.0933 W 802.11ac VHT40: 18.60 dBm / 0.0724 W 802.11ac VHT80: 19.10 dBm / 0.0813 W **MIMO <Ant. 1 + 2>** 802.11a : 22.96 dBm / 0.1977 W 802.11n HT20 : 22.97 dBm / 0.1982 W 802.11n HT40 : 21.82 dBm / 0.1521 W 802.11ac VHT20: 22.87 dBm / 0.1936 W 802.11ac VHT40: 21.72 dBm / 0.1486 W 802.11ac VHT80: 22.06 dBm / 0.1607 W
Maximum Output Power <TXBF Modes>	**MIMO <Ant. 1 + 2>** 802.11ac VHT20: 22.40 dBm / 0.1738 W 802.11ac VHT40: 21.17 dBm / 0.1309 W 802.11ac VHT80: 21.61 dBm / 0.1449 W

Product Specification subjective to this standard	
99% Occupied Bandwidth <CDD Modes>	**<Ant. 1>** 802.11a : 17.60 MHz 802.11n HT20 : 18.75 MHz 802.11n HT40 : 37.40 MHz **<Ant. 2>** 802.11a : 18.15 MHz 802.11n HT20 : 19.20 MHz 802.11n HT40 : 37.40 MHz **MIMO <Ant. 1>** 802.11a : 20.10 MHz 802.11n HT20 : 20.60 MHz 802.11n HT40 : 37.70 MHz **MIMO <Ant. 2>** 802.11a : 17.85 MHz 802.11n HT20 : 18.75 MHz 802.11n HT40 : 37.30 MHz
99% Occupied Bandwidth <TXBF Modes>	**MIMO <Ant. 1>** 802.11ac VHT20 : 17.68 MHz 802.11ac VHT40 : 36.76 MHz 802.11ac VHT80 : 76.72 MHz **MIMO <Ant. 2>** 802.11ac VHT20 : 19.28 MHz 802.11ac VHT40 : 36.66 MHz 802.11ac VHT80 : 76.60 MHz
Antenna Type / Gain	**Ant. 1:** Chip Antenna with gain 1.84 dBi **Ant. 2:** Chip Antenna with gain 2.35 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Antenna Function Description	

	Ant. 1	Ant. 2
802.11 a/n/ac	V	V
802.11 a/n/ac MIMO	V	V
802.11ac TXBF	V	V

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

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: Y plane) were recorded in this report.

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

2.1 Carrier Frequency and Channel

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

Note:

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

2.2 Test Mode

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

CDD Mode

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

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 II Idle + WLAN (5GHz) Link + Bluetooth Link + USB Cable + USB File transfer with Notebook (eMMC to Notebook) + Adapter with DC Cable + NFC On + Dock (Charging with Tablet (ET56DT)) + Front Camera + SD Card (Play MP3)
Remark: USB File Transfer with Notebook means data application transferred mode between EUT and storage device.	

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

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

<CDD Mode>

<Ant. 1>

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	**19.70**	CH 149	19.60	19.50	19.40	19.30	19.40	19.40	19.40	
CH 157	5785	19.60									
CH 165	5825	19.60									

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	**19.60**	CH 149	19.40	19.40	19.40	19.50	19.50	19.50	19.50	
CH 157	5785	**19.60**									
CH 165	5825	**19.60**									

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	5755	**18.90**	CH 151	18.6	18.5	18.6	18.6	18.6	18.6	18.5	
CH 159	5795	**18.90**									

802.11ac VHT20 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	MCS8	
CH 149	5745	**19.50**	CH 149	19.30	19.30	19.30	19.40	19.40	19.40	19.40	19.30	
CH 157	5785	**19.50**										
CH 165	5825	**19.50**										

802.11ac VHT40 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	MCS8	MCS9
CH 151	5755	**18.80**	CH 151	18.5	18.4	18.5	18.5	18.5	18.5	18.4	18.5	18.4
CH 159	5795	**18.80**										

802.11ac VHT80 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	MCS8	MCS9
CH 155	5775	**19.10**	CH 155	18.80	18.80	18.80	19.00	18.90	19.00	19.00	18.90	19.00

<Ant. 2>

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	19.60	CH 165	19.70	19.60	19.50	19.40	19.50	19.50	19.50	
CH 157	5785	19.60									
CH 165	5825	**19.80**									

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	19.60	CH 165	19.60	19.60	19.60	19.70	19.70	19.70	19.70	
CH 157	5785	19.60									
CH 165	5825	**19.80**									

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	5755	18.60	CH 159	18.4	18.3	18.4	18.4	18.4	18.4	18.3	
CH 159	5795	**18.70**									

802.11ac VHT20 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	MCS8	
CH 149	5745	19.50	CH 165	19.50	19.50	19.50	19.60	19.60	19.60	19.60	19.50	
CH 157	5785	19.50										
CH 165	5825	**19.70**										

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	18.50	CH 159	18.3	18.2	18.3	18.3	18.3	18.3	18.2	18.3	18.2
CH 159	5795	**18.60**										

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	**19.10**	CH 155	18.80	18.80	18.80	19.00	18.90	19.00	19.00	18.90	19.00

MIMO <Ant. 1+2>

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	22.76	CH 157	22.86	22.76	22.66	22.56	22.66	22.66	22.66	
CH 157	5785	**22.96**									
CH 165	5825	22.72									

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	**22.97**	CH 149	22.77	22.77	22.77	22.87	22.87	22.87	22.87	
CH 157	5785	**22.97**									
CH 165	5825	22.77									

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	**21.82**	CH 151	21.52	21.42	21.52	21.52	21.52	21.52	21.42	
CH 159	5795	21.81									

802.11ac VHT20 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	MCS8	
CH 149	5745	**22.87**	CH 149	22.67	22.67	22.67	22.77	22.77	22.77	22.77	22.67	
CH 157	5785	**22.87**										
CH 165	5825	22.67										

802.11ac VHT40 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	MCS8	MCS9	
CH 151	5755	**21.72**	CH 151	21.42	21.32	21.42	21.42	21.42	21.42	21.32	21.42	21.32	
CH 159	5795	21.71											

802.11ac VHT80 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	MCS8	MCS9	
CH 155	5775	**22.06**	CH 155	21.76	21.76	21.76	21.96	21.86	21.96	21.96	21.86	21.96	

<TXBF Mode>

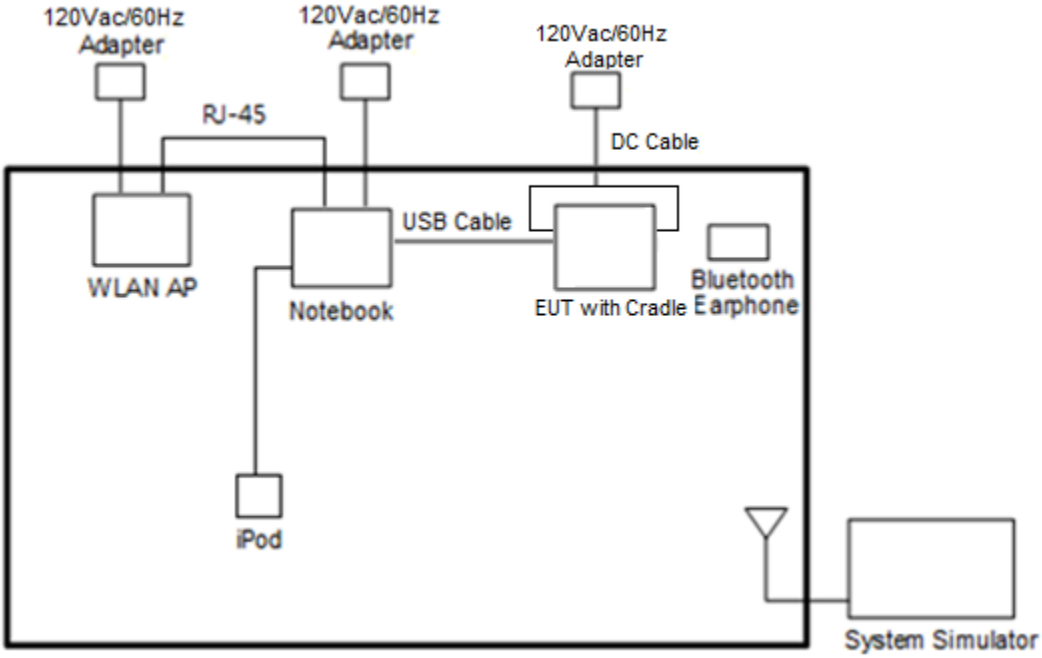
802.11ac VHT20 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps)								
				MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	22.00	CH 165	22.30	22.14	22.14	22.35	22.35	22.30	22.24	22.24
CH 157	5785	22.03									
CH 165	5825	**22.40**									

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	21.03	CH 159	21.13	21.07	21.07	21.07	20.77	20.77	20.72	20.82	20.82
CH 159	5795	**21.17**										

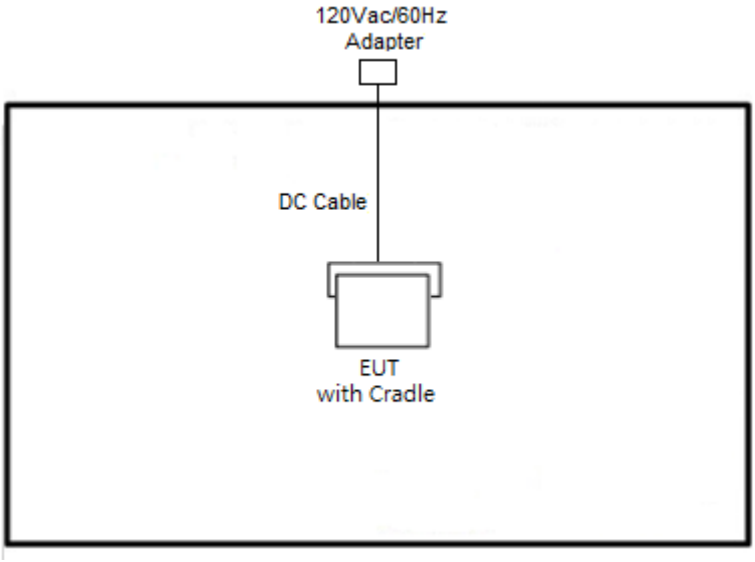
802.11ac VHT80 RF Output Power (dBm)													
Power vs. Channel			Power vs Data Rate										
Channel	Frequency (MHz)	Data Rate (bps) MCS0	Channel	Data Rate (bps)									
				MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 155	5775	**21.61**	CH 155	21.51	21.46	21.46	21.41	21.41	21.31	21.21	21.36	21.31

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx 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.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	USB Cable	Moshi	99MO084101	FCC DoC	N/A	N/A
7.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	Notebook	ACER	N18Q13	N/A	N/A	N/A
9.	Notebook	Lenovo	E335	N/A	N/A	N/A
10.	USB Cable	SONY	AI-0612	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT3.0.303.0” 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 “CMD” 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.

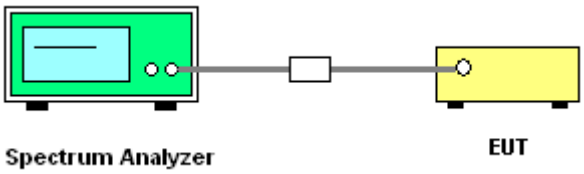
3.1.2 Measuring Instruments

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



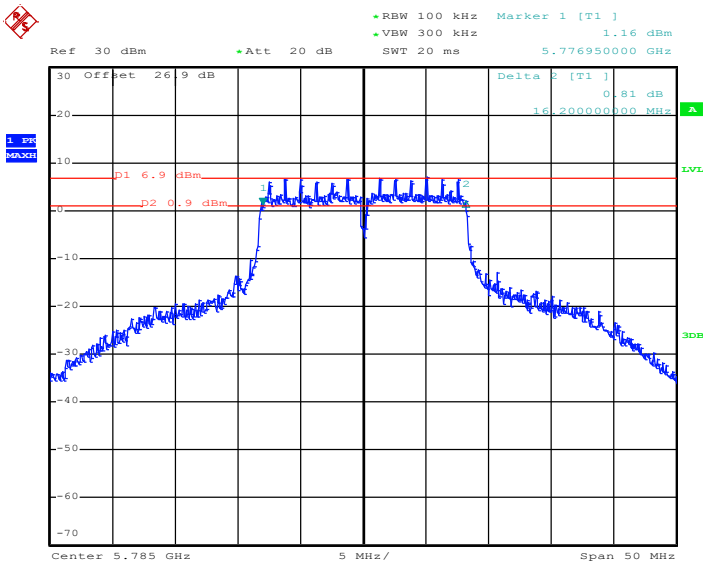
3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Test Engineer :	Hank Hsu and Jacob Yu	Temperature :	23.5~24.5℃
		Relative Humidity :	53~54.5%

<CDD Mode>

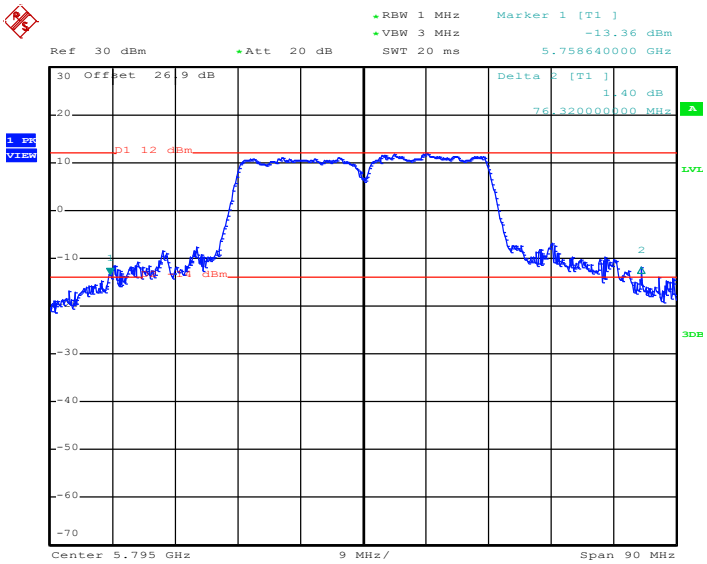
Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	17.35	17.40	37.90	37.50	16.30	16.30	0.5	Pass
11a	6Mbps	1	157	5785	17.60	17.25	39.20	37.90	16.20	16.30	0.5	Pass
11a	6Mbps	1	165	5825	17.55	18.15	39.20	41.55	16.20	16.20	0.5	Pass
HT20	MCS0	1	149	5745	18.35	18.30	43.75	43.30	17.50	17.50	0.5	Pass
HT20	MCS0	1	157	5785	18.75	18.35	44.80	43.90	17.50	17.60	0.5	Pass
HT20	MCS0	1	165	5825	18.65	19.20	44.60	45.70	17.50	17.50	0.5	Pass
HT40	MCS0	1	151	5755	**37.40**	37.30	74.52	74.61	36.27	36.18	0.5	Pass
HT40	MCS0	1	159	5795	**37.40**	**37.40**	**75.96**	74.70	36.18	36.36	0.5	Pass
11a	6Mbps	2	149	5745	17.70	17.10	39.00	37.60	16.30	16.30	0.5	Pass
11a	6Mbps	2	157	5785	20.10	17.45	42.40	39.40	16.20	16.30	0.5	Pass
11a	6Mbps	2	165	5825	18.80	17.85	42.15	38.30	16.25	16.30	0.5	Pass
HT20	MCS0	2	149	5745	19.30	18.50	45.85	44.00	17.50	17.50	0.5	Pass
HT20	MCS0	2	157	5785	20.45	18.60	45.60	46.40	17.60	17.50	0.5	Pass
HT20	MCS0	2	165	5825	20.60	18.75	46.40	44.55	17.50	17.50	0.5	Pass
HT40	MCS0	2	151	5755	**37.70**	37.30	74.61	74.43	36.36	36.00	0.5	Pass
HT40	MCS0	2	159	5795	37.60	37.20	**76.32**	74.79	36.00	36.18	0.5	Pass

Minimum 6dB Bandwidth



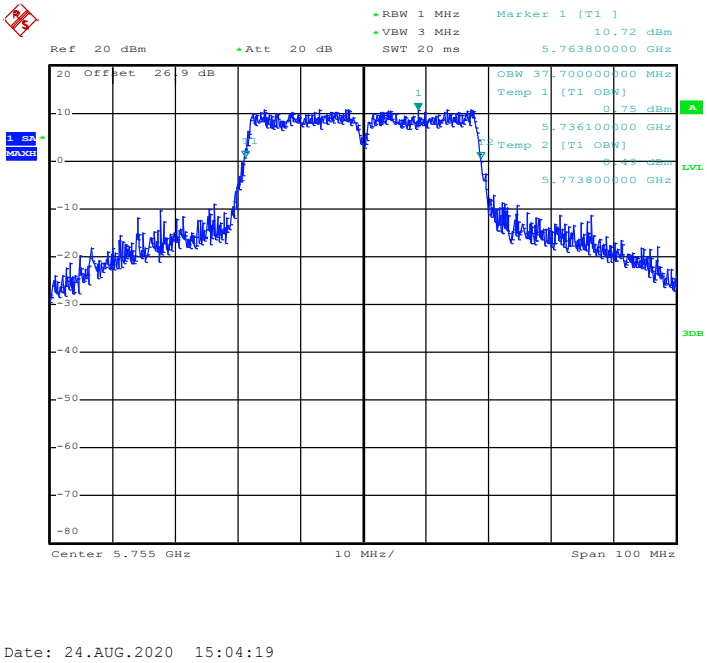
Date: 24.AUG.2020 11:48:06

Maximum 26dB Bandwidth



Date: 24.AUG.2020 20:06:46

Maximum 99% Occupied Bandwidth



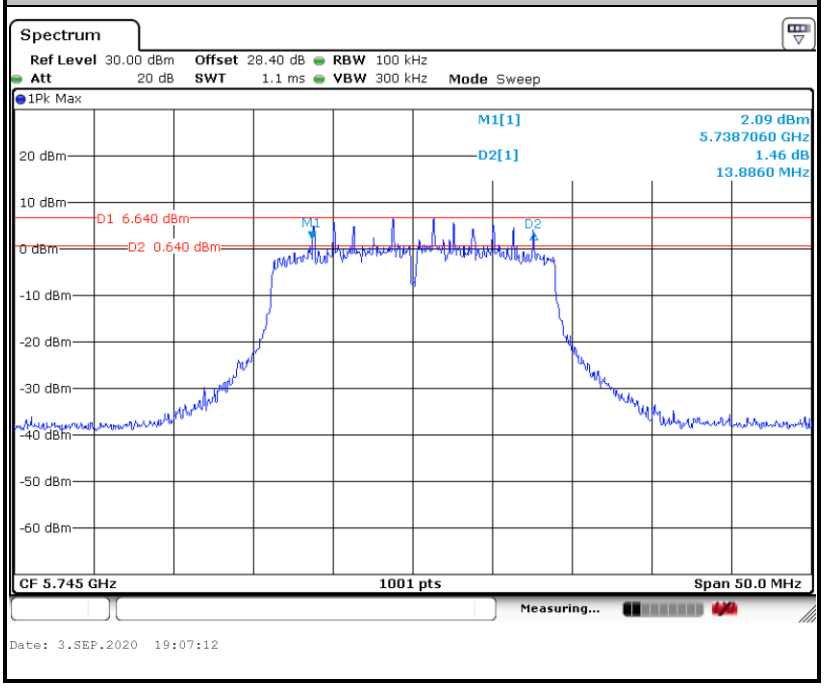
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Engineer :	Howard Lin	Temperature :	23.5~24.5℃
		Relative Humidity :	53~54.5%

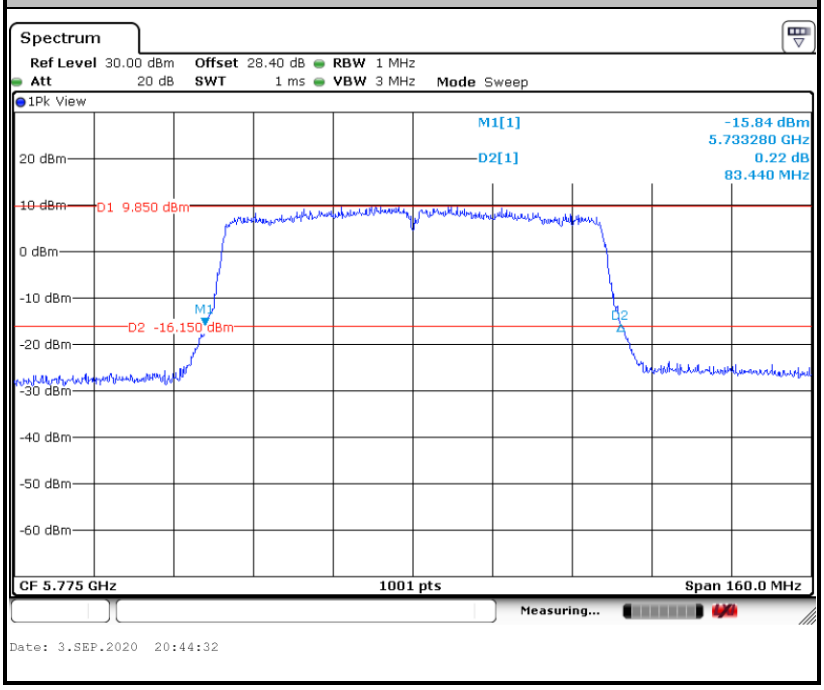
<TXBF Mode>

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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	149	5775	17.68	19.13	23.98	28.02	13.89	17.63	0.5	Pass
VHT20	MCS0	2	157	5785	17.68	19.28	23.63	28.62	15.14	17.58	0.5	Pass
VHT20	MCS0	2	165	5825	17.68	19.18	24.03	28.27	15.09	17.53	0.5	Pass
VHT40	MCS0	2	151	5755	36.76	36.56	42.62	42.17	34.98	36.32	0.5	Pass
VHT40	MCS0	2	159	5795	36.66	36.66	42.26	43.07	35.16	35.60	0.5	Pass
VHT80	MCS6	2	155	5775	**76.72**	76.60	80.56	**83.44**	56.10	75.12	0.5	Pass

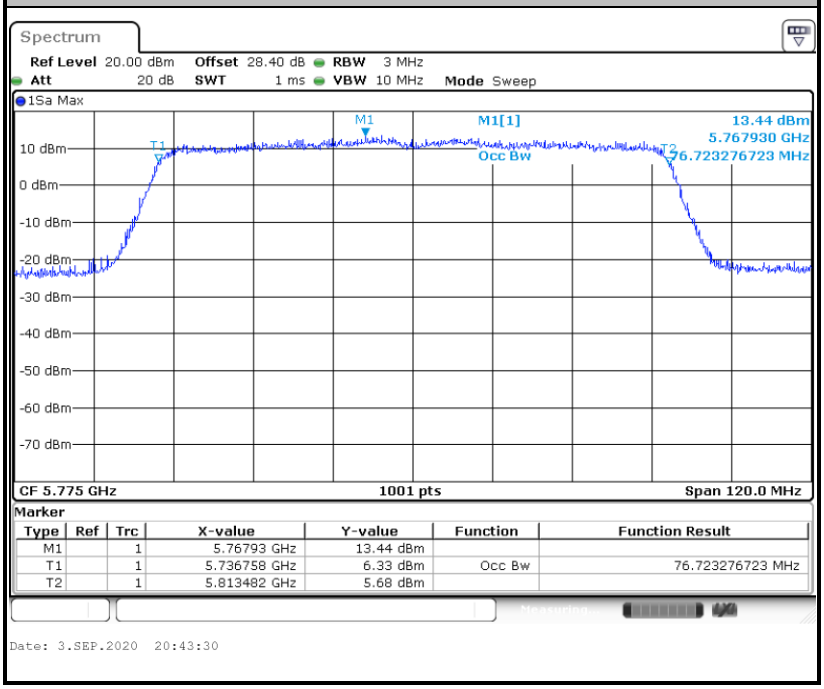
Minimum 6dB Bandwidth



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.

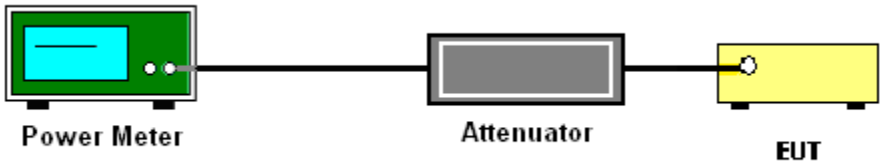
3.2.3 Test Procedures

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 :	Hank Hsu and Jacob Yu	Temperature :	23.5~24.5℃
		Relative Humidity :	53~54.5%

<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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	19.70	19.60	-	30.00	30.00	1.84	2.35	Pass
11a	6Mbps	1	157	5785	19.60	19.60		30.00	30.00	1.84	2.35	Pass
11a	6Mbps	1	165	5825	19.60	19.80		30.00	30.00	1.84	2.35	Pass
HT20	MCS0	1	149	5745	19.60	19.60		30.00	30.00	1.84	2.35	Pass
HT20	MCS0	1	157	5785	19.60	19.60		30.00	30.00	1.84	2.35	Pass
HT20	MCS0	1	165	5825	19.60	19.80		30.00	30.00	1.84	2.35	Pass
HT40	MCS0	1	151	5755	18.90	18.60		30.00	30.00	1.84	2.35	Pass
HT40	MCS0	1	159	5795	18.90	18.70		30.00	30.00	1.84	2.35	Pass
VHT20	MCS0	1	149	5745	19.50	19.50		30.00	30.00	1.84	2.35	Pass
VHT20	MCS0	1	157	5785	19.50	19.50		30.00	30.00	1.84	2.35	Pass
VHT20	MCS0	1	165	5825	19.50	19.70		30.00	30.00	1.84	2.35	Pass
VHT40	MCS0	1	151	5755	18.80	18.50		30.00	30.00	1.84	2.35	Pass
VHT40	MCS0	1	159	5795	18.80	18.60		30.00	30.00	1.84	2.35	Pass
VHT80	MCS0	1	155	5775	19.10	19.10		30.00	30.00	1.84	2.35	Pass
11a	6Mbps	2	149	5745	19.90	19.60	22.76	30.00		2.35		Pass
11a	6Mbps	2	157	5785	20.10	19.80	22.96	30.00		2.35		Pass
11a	6Mbps	2	165	5825	20.00	19.40	22.72	30.00		2.35		Pass
HT20	MCS0	2	149	5745	20.20	19.70	**22.97**	30.00		2.35		Pass
HT20	MCS0	2	157	5785	20.20	19.70	**22.97**	30.00		2.35		Pass
HT20	MCS0	2	165	5825	20.10	19.40	22.77	30.00		2.35		Pass
HT40	MCS0	2	151	5755	19.10	18.50	21.82	30.00		2.35		Pass
HT40	MCS0	2	159	5795	19.00	18.60	21.81	30.00		2.35		Pass
VHT20	MCS0	2	149	5745	20.10	19.60	22.87	30.00		2.35		Pass
VHT20	MCS0	2	157	5785	20.10	19.60	22.87	30.00		2.35		Pass
VHT20	MCS0	2	165	5825	20.00	19.30	22.67	30.00		2.35		Pass
VHT40	MCS0	2	151	5755	19.00	18.40	21.72	30.00		2.35		Pass
VHT40	MCS0	2	159	5795	18.90	18.50	21.71	30.00		2.35		Pass
VHT80	MCS0	2	155	5775	19.20	18.90	22.06	30.00		2.35		Pass

Test Engineer :	Howard Lin	Temperature :	23.5~24.5℃
		Relative Humidity :	53~54.5%

<TXBF Mode>

Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	18.40	19.50	22.00	30.00		5.11		Pass
VHT20	MCS0	2	157	5785	18.60	19.40	22.03	30.00		5.11		Pass
VHT20	MCS0	2	165	5825	18.80	19.90	**22.40**	30.00		5.11		Pass
VHT40	MCS0	2	151	5755	17.60	18.40	21.03	30.00		5.11		Pass
VHT40	MCS0	2	159	5795	17.80	18.50	21.17	30.00		5.11		Pass
VHT80	MCS6	2	155	5775	18.60	18.60	21.61	30.00		5.11		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>

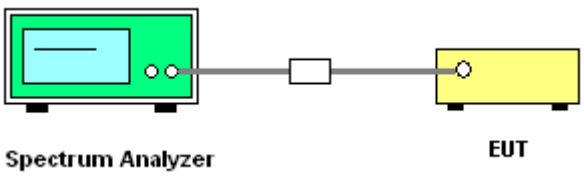
 # Method SA-3 #

(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



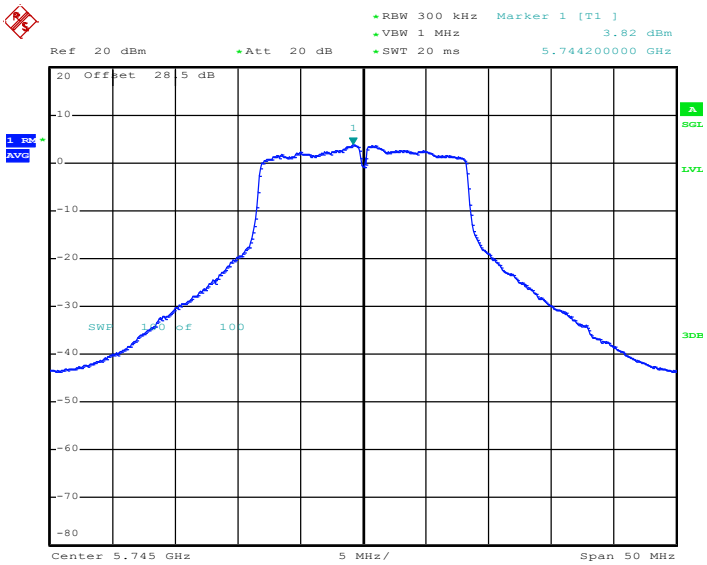
3.3.5 Test Result of Power Spectral Density

Test Engineer :	Hank Hsu and Jacob Yu	Temperature :	23.5~24.5℃
		Relative Humidity :	53~54.5%

<CDD Mode>

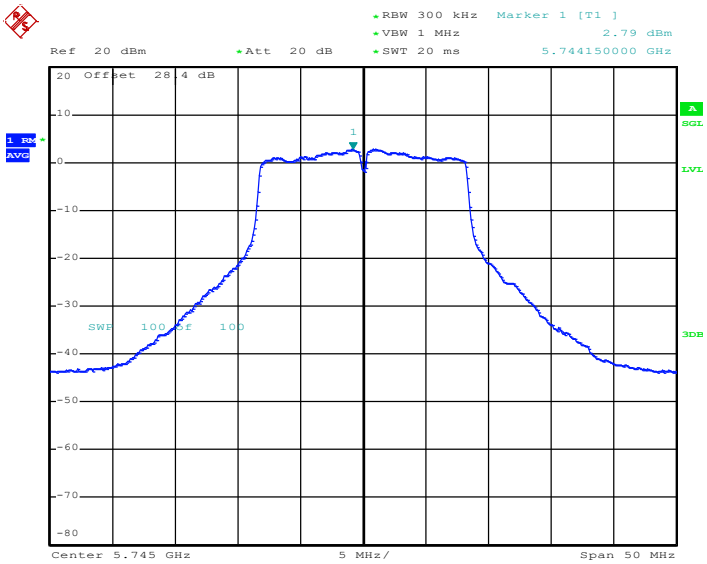
Band IV														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	2.22	2.22	5.14	5.23	-	30.00	30.00	1.84	2.35	Pass
11a	6Mbps	1	157	5785	2.22	2.22	5.22	4.98		30.00	30.00	1.84	2.35	Pass
11a	6Mbps	1	165	5825	2.22	2.22	4.98	5.60		30.00	30.00	1.84	2.35	Pass
HT20	MCS0	1	149	5745	2.22	2.22	4.63	4.98		30.00	30.00	1.84	2.35	Pass
HT20	MCS0	1	157	5785	2.22	2.22	4.61	4.52		30.00	30.00	1.84	2.35	Pass
HT20	MCS0	1	165	5825	2.22	2.22	4.13	5.05		30.00	30.00	1.84	2.35	Pass
HT40	MCS0	1	151	5755	2.22	2.22	1.79	1.85		30.00	30.00	1.84	2.35	Pass
HT40	MCS0	1	159	5795	2.22	2.22	1.34	1.37		30.00	30.00	1.84	2.35	Pass
VHT80	MCS0	1	155	5775	2.22	2.22	-1.13	-1.17		30.00	30.00	1.84	2.35	Pass
11a	6Mbps	2	149	5745	2.22		6.04	5.01	**9.05**	30.00		5.11		Pass
11a	6Mbps	2	157	5785	2.22		5.94	5.45	8.95	30.00		5.11		Pass
11a	6Mbps	2	165	5825	2.22		5.60	5.27	8.61	30.00		5.11		Pass
HT20	MCS0	2	149	5745	2.22		5.93	5.20	8.94	30.00		5.11		Pass
HT20	MCS0	2	157	5785	2.22		5.71	5.03	8.72	30.00		5.11		Pass
HT20	MCS0	2	165	5825	2.22		5.32	5.10	8.33	30.00		5.11		Pass
HT40	MCS0	2	151	5755	2.22		2.02	1.41	5.03	30.00		5.11		Pass
HT40	MCS0	2	159	5795	2.22		1.95	0.88	4.96	30.00		5.11		Pass
VHT80	MCS0	2	155	5775	2.22		-0.77	-1.36	2.24	30.00		5.11		Pass

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



Date: 7.SEP.2020 13:50:15

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



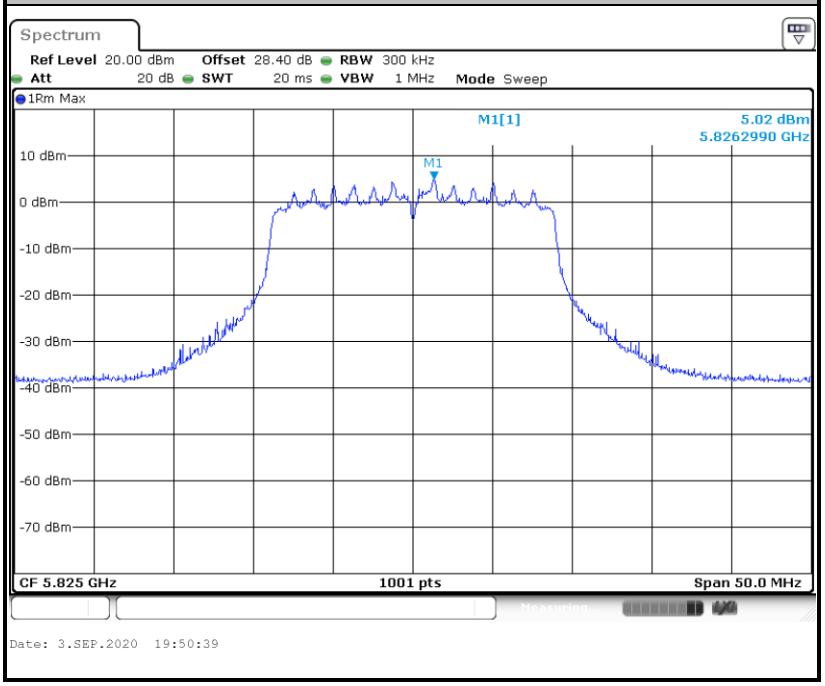
Date: 7.SEP.2020 13:50:49

Test Engineer :	Howard Lin	Temperature :	23.5~24.5℃
		Relative Humidity :	53~54.5%

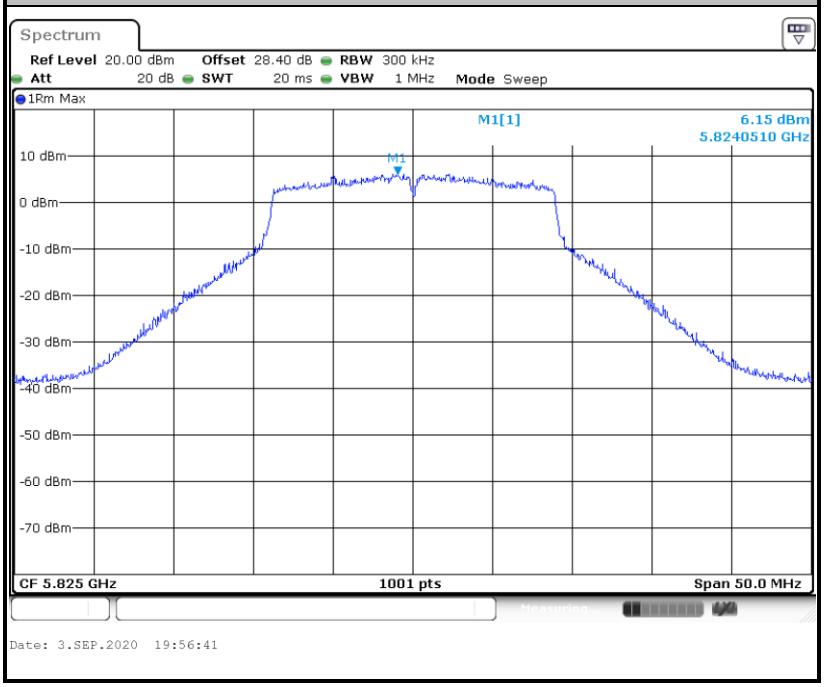
<TXBF Mode>

Band IV													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	18.40	19.50	22.00	30.00		5.11		Pass
VHT20	MCS0	2	157	5785	18.60	19.40	22.03	30.00		5.11		Pass
VHT20	MCS0	2	165	5825	18.80	19.90	**22.40**	30.00		5.11		Pass
VHT40	MCS0	2	151	5755	17.60	18.40	21.03	30.00		5.11		Pass
VHT40	MCS0	2	159	5795	17.80	18.50	21.17	30.00		5.11		Pass
VHT80	MCS0	2	155	5775	18.60	18.60	21.61	30.00		5.11		Pass

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



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



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

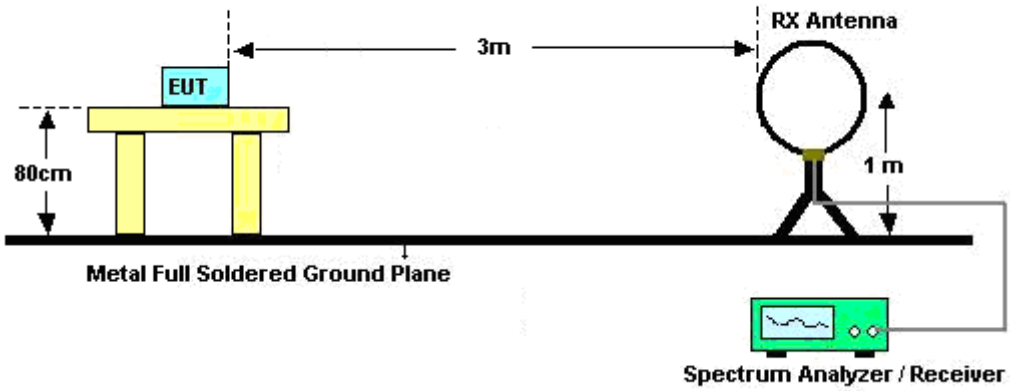
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

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

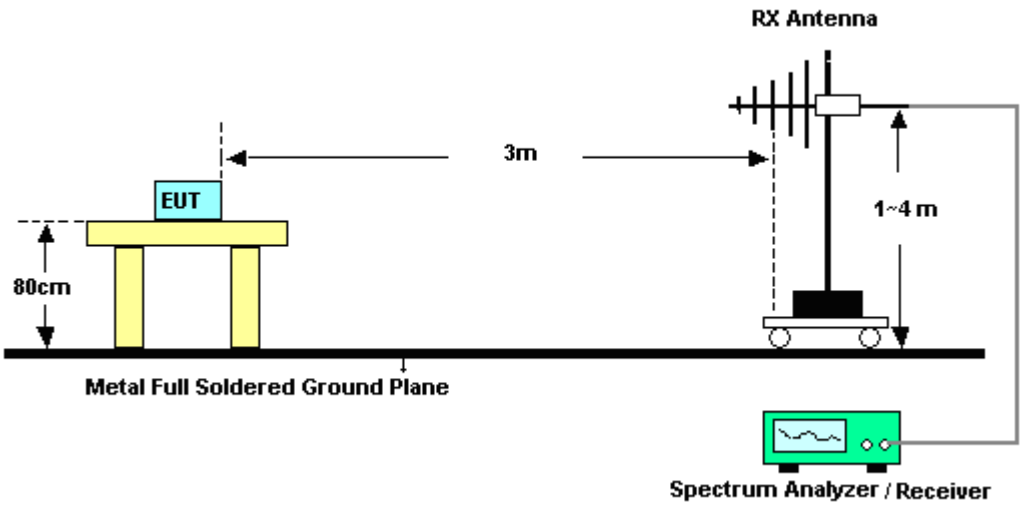
3.4.4 Test Setup

For radiated emissions below 30MHz

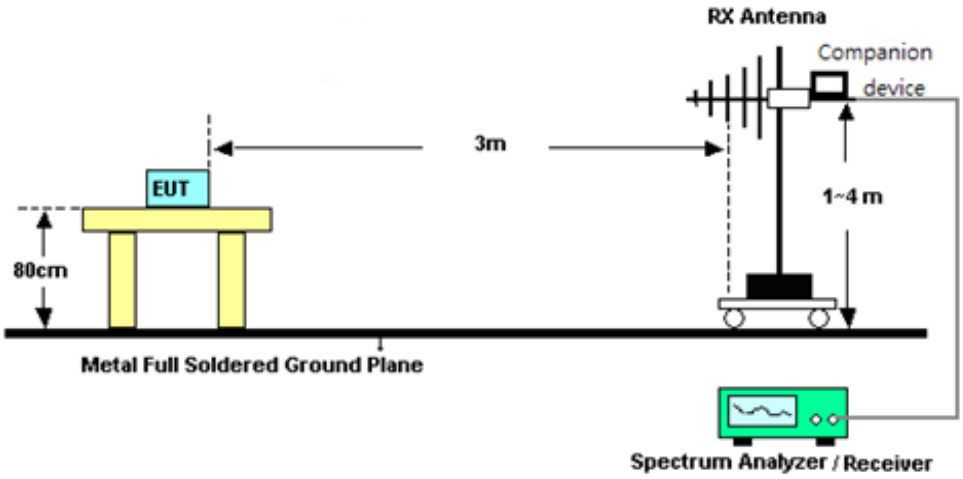


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

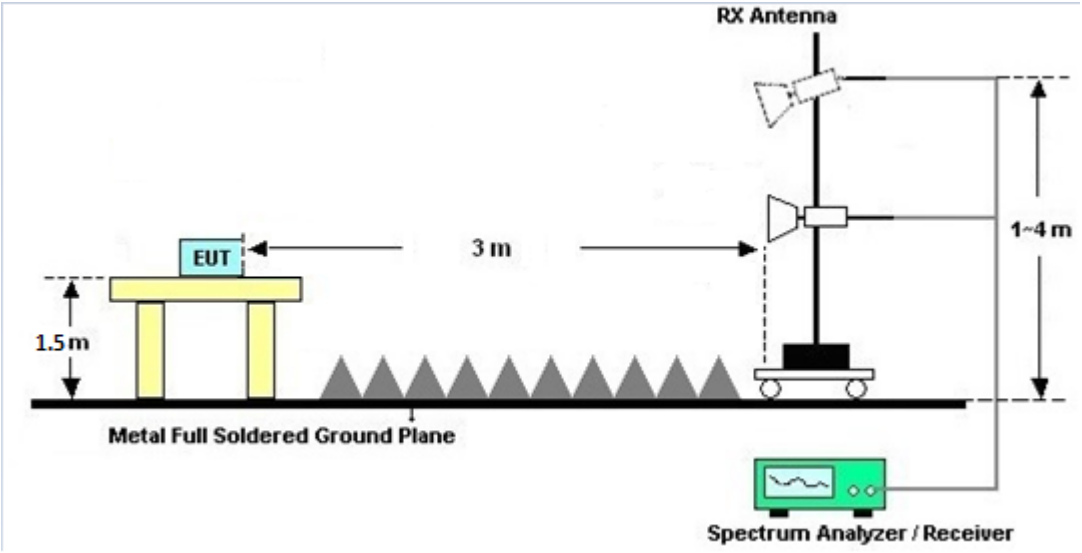


<TXBF Modes>

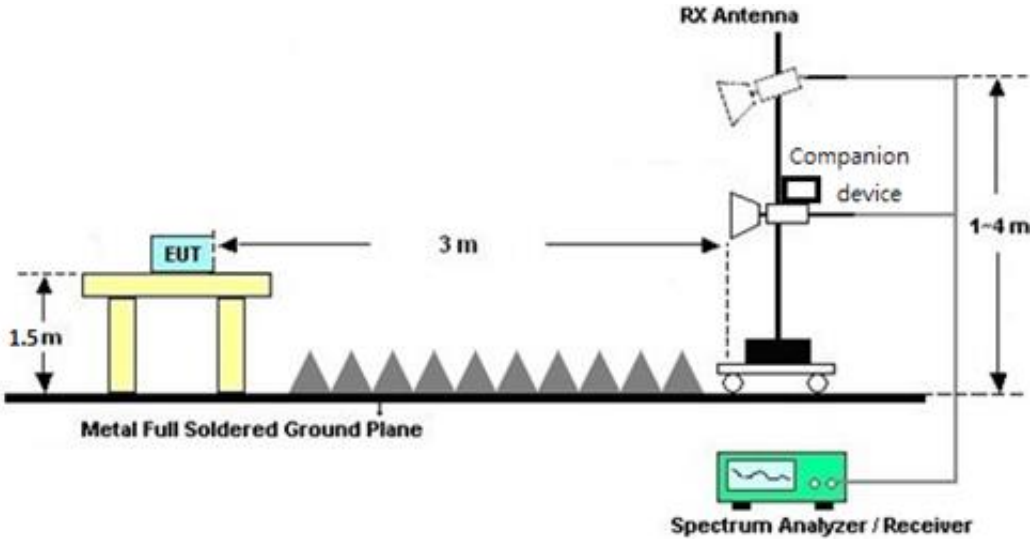


For radiated emissions from 1GHz to 18GHz

<CDD Mode>

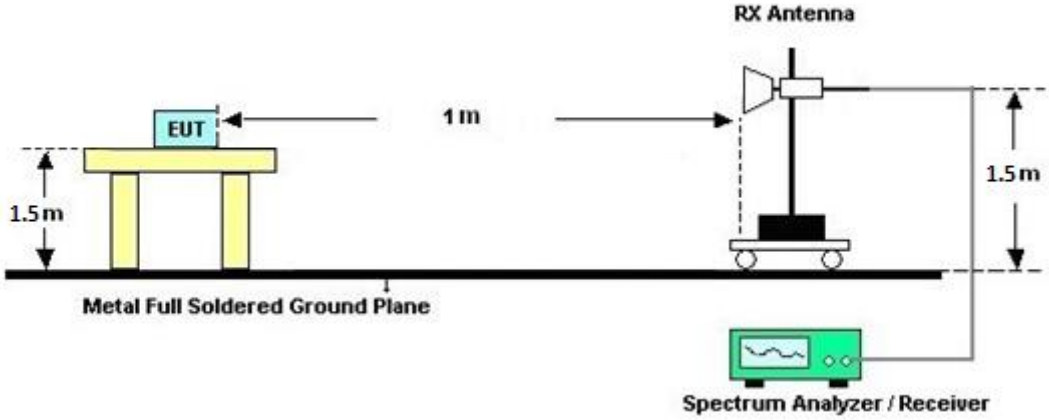


<TXBF Modes>

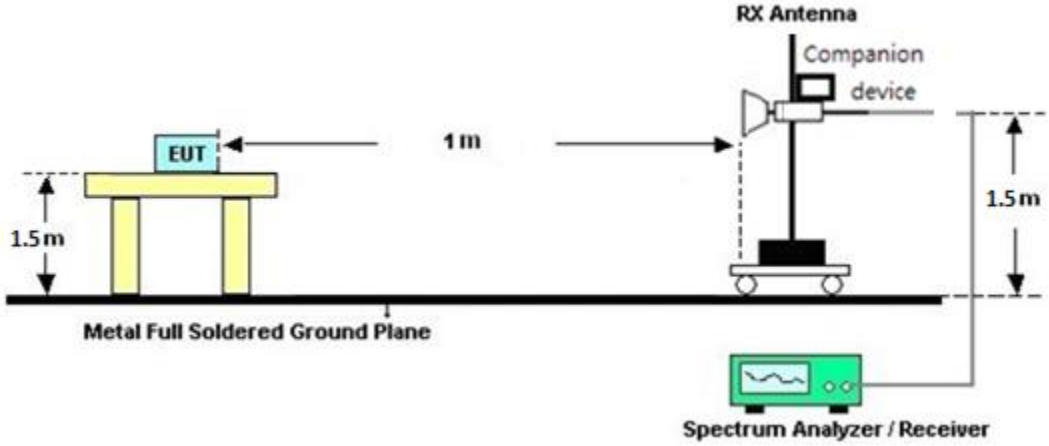


For radiated emissions above 18GHz

<CDD Modes>



<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.

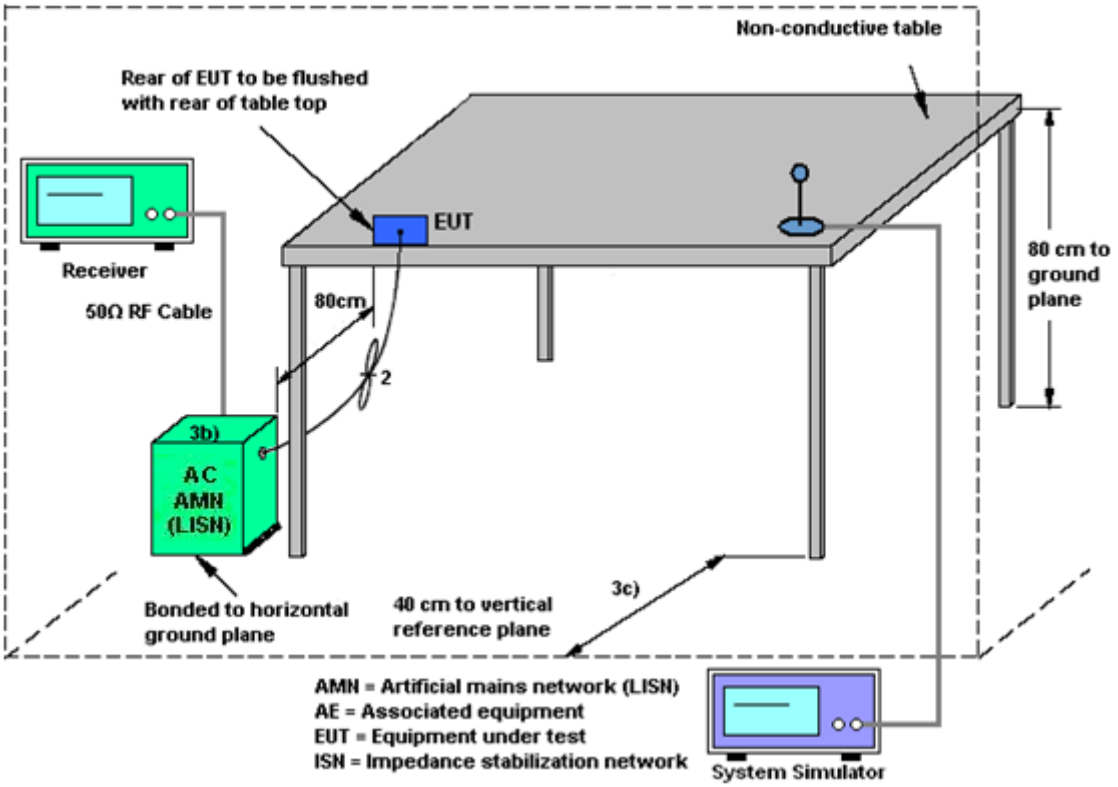
3.5.2 Measuring Instruments

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



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	1.84	2.35	2.35	5.11	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.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	1.84	2.35	5.11	5.11	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. 13, 2020~ Sep. 04, 2020	Jan. 08, 2021	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jul. 15, 2020	Aug. 13, 2020~ Sep. 04, 2020	Jul. 14, 2021	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	40103&07	30MHz to 1GHz	Apr. 29, 2020	Aug. 13, 2020~ Sep. 04, 2020	Apr. 28, 2021	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 10, 2019	Aug. 13, 2020~ Sep. 04, 2020	Dec. 09, 2020	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 28, 2019	Aug. 13, 2020~ Sep. 04, 2020	Oct. 27, 2020	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 19, 2020	Aug. 13, 2020~ Sep. 04, 2020	May 18, 2021	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 17, 2019	Aug. 13, 2020~ Sep. 04, 2020	Dec. 16, 2020	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Aug. 13, 2020~ Sep. 04, 2020	Dec. 12, 2020	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP150115	N/A	Nov. 08, 2019	Aug. 13, 2020~ Sep. 04, 2020	Nov. 07, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Aug. 13, 2020~ Sep. 04, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 12, 2020	Aug. 13, 2020~ Sep. 04, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 12, 2020	Aug. 13, 2020~ Sep. 04, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 12, 2020	Aug. 13, 2020~ Sep. 04, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 12, 2020	Aug. 13, 2020~ Sep. 04, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 12, 2020	Aug. 13, 2020~ Sep. 04, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Aug. 13, 2020~ Sep. 04, 2020	Feb. 09, 2021	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 13, 2020~ Sep. 04, 2020	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 13, 2020~ Sep. 04, 2020	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 13, 2020~ Sep. 04, 2020	N/A	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Aug. 13, 2020~ Sep. 04, 2020	N/A	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2019	Aug. 13, 2020~ Sep. 04, 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. 13, 2020~ Sep. 04, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 16, 2019	Aug. 13, 2020~ Sep. 04, 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	Aug. 04, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Aug. 04, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Aug. 04, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Aug. 04, 2020	Nov. 19, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Aug. 04, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 04, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Aug. 04, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Aug. 04, 2020	Jan. 01, 2021	Conduction (CO05-HY)
<For CDD Mode>								
Hygrometer	Testo	HTC-1	2	N/A	Mar. 02, 2020	Aug. 04, 2020~ Sep. 07, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015S NO36	10MHz~6GHz	Jan. 22, 2020	Aug. 04, 2020~ Sep. 07, 2020	Jan. 21, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz-30GHz	Nov. 26, 2019	Aug. 04, 2020~ Sep. 07, 2020	Nov. 25, 2020	Conducted (TH05-HY)
Switch Control Manframe	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 04, 2020~ Sep. 07, 2020	Mar. 16, 2021	Conducted (TH05-HY)
<For TXBF Mode>								
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Aug. 14, 2020~ Sep. 13, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Aug. 14, 2020~ Sep. 13, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 15, 2019	Aug. 14, 2020~ Sep. 13, 2020	Nov. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 14, 2020~ Sep. 13, 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)

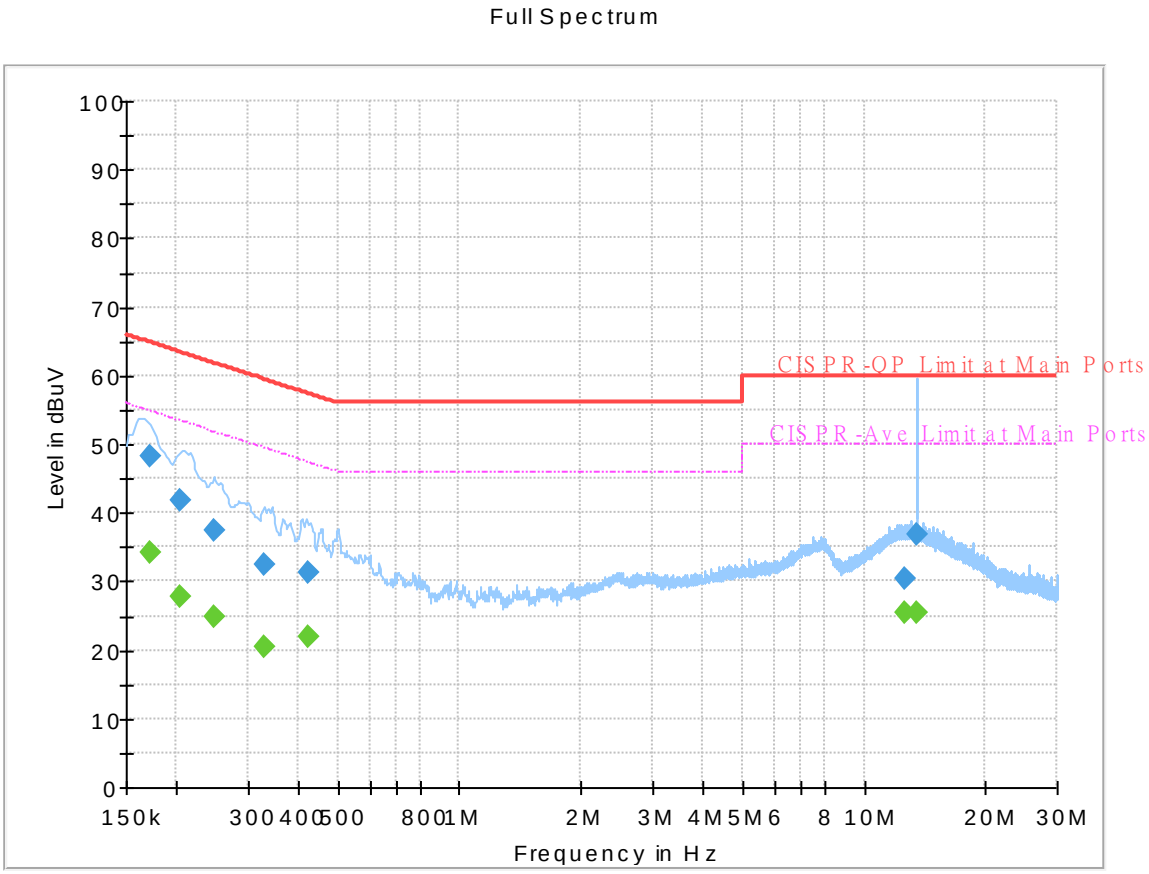
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8

Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~25℃
		Relative Humidity :	42~50%

EUT Information

Report NO :	072903-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



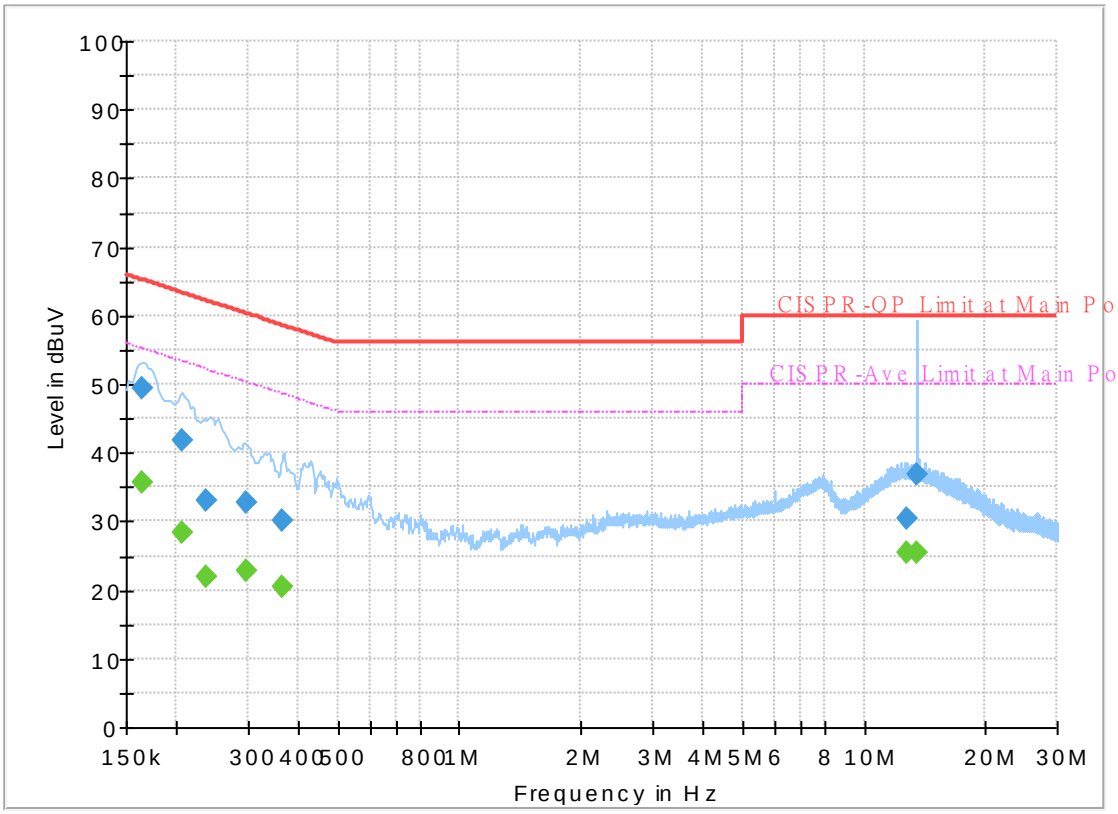
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.172500	---	34.16	54.84	20.68	L1	OFF	19.5
0.172500	48.37	---	64.84	16.47	L1	OFF	19.5
0.204000	---	27.65	53.45	25.80	L1	OFF	19.5
0.204000	41.93	---	63.45	21.52	L1	OFF	19.5
0.246570	---	24.79	51.87	27.08	L1	OFF	19.5
0.246570	37.39	---	61.87	24.48	L1	OFF	19.5
0.328470	---	20.50	49.49	28.99	L1	OFF	19.5
0.328470	32.33	---	59.49	27.16	L1	OFF	19.5
0.422520	---	21.91	47.40	25.49	L1	OFF	19.5
0.422520	31.32	---	57.40	26.08	L1	OFF	19.5
12.668010	---	25.50	50.00	24.50	L1	OFF	19.8
12.668010	30.46	---	60.00	29.54	L1	OFF	19.8
13.560000	---	25.54	50.00	24.46	L1	OFF	19.8
13.560000	36.80	---	60.00	23.20	L1	OFF	19.8

EUT Information

Report NO :	072903-01
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)
0.164940	---	35.78	55.21	19.43	N	OFF	19.5
0.164940	49.45	---	65.21	15.76	N	OFF	19.5
0.205800	---	28.33	53.37	25.04	N	OFF	19.5
0.205800	41.73	---	63.37	21.64	N	OFF	19.5
0.237750	---	21.95	52.17	30.22	N	OFF	19.5
0.237750	33.04	---	62.17	29.13	N	OFF	19.5
0.298050	---	22.69	50.30	27.61	N	OFF	19.5
0.298050	32.66	---	60.30	27.64	N	OFF	19.5
0.365550	---	20.55	48.60	28.05	N	OFF	19.5
0.365550	30.24	---	58.60	28.36	N	OFF	19.5
12.707250	---	25.46	50.00	24.54	N	OFF	19.9
12.707250	30.45	---	60.00	29.55	N	OFF	19.9
13.560000	---	25.51	50.00	24.49	N	OFF	19.9
13.560000	36.96	---	60.00	23.04	N	OFF	19.9

Appendix B. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Jacky Hong and Wilson Wu	Temperature :	21.5~23.5°C
		Relative Humidity :	49.5~55.5%

<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.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5601.8	53.6	-14.6	68.2	42.18	31.9	6.3	26.78	100	234	P	H
		5697.2	59.77	-43.37	103.14	48.22	31.99	6.42	26.86	100	234	P	H
		5718.2	74.04	-36.26	110.3	62.44	32.04	6.44	26.88	100	234	P	H
		5724.6	81.56	-39.73	121.29	69.95	32.05	6.45	26.89	100	234	P	H
	*	5745	112.51	-	-	100.86	32.09	6.47	26.91	100	234	P	H
	*	5745	104.86	-	-	93.21	32.09	6.47	26.91	100	234	A	H
													H
													H
		5638.8	51.87	-16.33	68.2	40.51	31.82	6.35	26.81	200	18	P	V
		5699	55.59	-48.87	104.46	44.04	32	6.42	26.87	200	18	P	V
		5719.6	70.27	-40.42	110.69	58.67	32.04	6.44	26.88	200	18	P	V
		5724	75.99	-43.93	119.92	64.38	32.05	6.45	26.89	200	18	P	V
	*	5745	109.22	-	-	97.57	32.09	6.47	26.91	200	18	P	V
	*	5745	101.54	-	-	89.89	32.09	6.47	26.91	200	18	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)
802.11a CH 157 5785MHz		5627.4	52.5	-15.7	68.2	41.12	31.85	6.33	26.8	100	232	P	H
		5682	52.65	-39.27	91.92	41.17	31.93	6.4	26.85	100	232	P	H
		5712.4	53.58	-55.09	108.67	42.01	32.02	6.43	26.88	100	232	P	H
		5723.4	54.7	-63.85	118.55	43.09	32.05	6.45	26.89	100	232	P	H
	*	5785	112.08	-	-	100.4	32.1	6.52	26.94	100	232	P	H
	*	5785	104.41	-	-	92.73	32.1	6.52	26.94	100	232	A	H
		5853.2	55.03	-59.87	114.9	43.18	32.31	6.54	27	100	232	P	H
		5874.6	53.15	-52.16	105.31	41.23	32.4	6.54	27.02	100	232	P	H
		5911.6	52.73	-25.36	78.09	40.69	32.55	6.54	27.05	100	232	P	H
		5941.6	51.98	-16.22	68.2	39.85	32.67	6.54	27.08	100	232	P	H
													H
													H
		5618.2	51.99	-16.21	68.2	40.6	31.86	6.32	26.79	198	19	P	V
		5697.8	52.26	-51.32	103.58	40.71	31.99	6.42	26.86	198	19	P	V
		5707.8	52.86	-54.53	107.39	41.28	32.02	6.43	26.87	198	19	P	V
		5725	53.32	-68.88	122.2	41.71	32.05	6.45	26.89	198	19	P	V
	*	5785	108.98	-	-	97.3	32.1	6.52	26.94	198	19	P	V
	*	5785	101.28	-	-	89.6	32.1	6.52	26.94	198	19	A	V
		5853.4	51.96	-62.49	114.45	40.11	32.31	6.54	27	198	19	P	V
		5875	53.53	-51.67	105.2	41.61	32.4	6.54	27.02	198	19	P	V
		5875	53.53	-51.67	105.2	41.61	32.4	6.54	27.02	198	19	P	V
		5931.4	52.42	-15.78	68.2	40.32	32.63	6.54	27.07	198	19	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	112.16	-	-	100.4	32.2	6.54	26.98	100	232	P	H
	*	5825	104.46	-	-	92.7	32.2	6.54	26.98	100	232	A	H
		5850	74.71	-47.49	122.2	62.87	32.3	6.54	27	100	232	P	H
		5855	67.16	-43.64	110.8	55.3	32.32	6.54	27	100	232	P	H
		5878.2	60.71	-42.11	102.82	48.78	32.41	6.54	27.02	100	232	P	H
		5937.4	52.76	-15.44	68.2	40.64	32.65	6.54	27.07	100	232	P	H
													H
802.11a													H
CH 165	*	5825	109.76	-	-	98	32.2	6.54	26.98	200	13	P	V
5825MHz	*	5825	101.98	-	-	90.22	32.2	6.54	26.98	200	13	A	V
		5851.8	68.63	-49.47	118.1	56.78	32.31	6.54	27	200	13	P	V
		5857.6	63.38	-46.69	110.07	51.51	32.33	6.54	27	200	13	P	V
		5877.8	54.7	-48.42	103.12	42.77	32.41	6.54	27.02	200	13	P	V
		5933.8	51.64	-16.56	68.2	39.53	32.64	6.54	27.07	200	13	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	47.13	-26.87	74	52.43	40.07	10.43	55.8	100	0	P	H
		17235	48.2	-20	68.2	51.41	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.51	-26.49	74	52.81	40.07	10.43	55.8	100	0	P	V
		17235	48.62	-19.58	68.2	51.83	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	47.13	-26.87	74	52.59	39.89	10.48	55.83	100	0	P	H
		17355	48.43	-19.77	68.2	51.34	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	46.77	-27.23	74	52.23	39.89	10.48	55.83	100	0	P	V
		17355	48.98	-19.22	68.2	51.89	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	47.17	-26.83	74	52.97	39.55	10.53	55.88	100	0	P	H
		17475	48.83	-19.37	68.2	51.48	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	46.84	-27.16	74	52.64	39.55	10.53	55.88	100	0	P	V
		17475	50.04	-18.16	68.2	52.69	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 802.11n HT20 (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)
		5604.4	51.55	-16.65	68.2	40.13	31.89	6.31	26.78	100	233	P	H
		5698.4	65.33	-38.69	104.02	53.78	31.99	6.42	26.86	100	233	P	H
		5719.8	73.23	-37.51	110.74	61.63	32.04	6.44	26.88	100	233	P	H
		5724.6	84.3	-36.99	121.29	72.69	32.05	6.45	26.89	100	233	P	H
	*	5745	112.16	-	-	100.51	32.09	6.47	26.91	100	233	P	H
	*	5745	94.96	-	-	83.31	32.09	6.47	26.91	100	233	A	H
802.11n													H
HT20													H
CH 149		5615.2	51.85	-16.35	68.2	40.45	31.87	6.32	26.79	193	12	P	V
5745MHz		5698.8	57.7	-46.62	104.32	46.14	32	6.42	26.86	193	12	P	V
		5720	71.18	-39.62	110.8	59.58	32.04	6.44	26.88	193	12	P	V
		5724	81.24	-38.68	119.92	69.63	32.05	6.45	26.89	193	12	P	V
	*	5745	109.26	-	-	97.61	32.09	6.47	26.91	193	12	P	V
	*	5745	101.76	-	-	90.11	32.09	6.47	26.91	193	12	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)
		5607.2	51.66	-16.54	68.2	40.24	31.89	6.31	26.78	100	233	P	H
		5679	52.69	-37.01	89.7	41.23	31.92	6.39	26.85	100	233	P	H
		5706.8	53.27	-53.84	107.11	41.7	32.01	6.43	26.87	100	233	P	H
		5722.2	54.49	-61.33	115.82	42.89	32.04	6.45	26.89	100	233	P	H
	*	5785	112.28	-	-	100.6	32.1	6.52	26.94	100	233	P	H
	*	5785	104.48	-	-	92.8	32.1	6.52	26.94	100	233	A	H
		5852.8	53	-62.82	115.82	41.15	32.31	6.54	27	100	233	P	H
		5860	53.44	-55.96	109.4	41.57	32.34	6.54	27.01	100	233	P	H
		5890.2	52.79	-41.13	93.92	40.82	32.46	6.54	27.03	100	233	P	H
		5935.4	51.73	-16.47	68.2	39.62	32.64	6.54	27.07	100	233	P	H
802.11n													H
HT20													H
CH 157		5600.4	51.87	-16.33	68.2	40.45	31.9	6.3	26.78	172	11	P	V
5785MHz		5656.2	52.7	-20.11	72.81	41.34	31.82	6.37	26.83	172	11	P	V
		5711.6	52.7	-55.75	108.45	41.13	32.02	6.43	26.88	172	11	P	V
		5721.4	53.45	-60.54	113.99	41.84	32.04	6.45	26.88	172	11	P	V
	*	5785	109.08	-	-	97.4	32.1	6.52	26.94	172	11	P	V
	*	5785	101.71	-	-	90.03	32.1	6.52	26.94	172	11	A	V
		5853.4	53.29	-61.16	114.45	41.44	32.31	6.54	27	172	11	P	V
		5870	53.07	-53.53	106.6	41.17	32.38	6.54	27.02	172	11	P	V
		5918.4	52.84	-20.23	73.07	40.79	32.57	6.54	27.06	172	11	P	V
		5932.6	51.99	-16.21	68.2	39.89	32.63	6.54	27.07	172	11	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	110.28	-	-	98.52	32.2	6.54	26.98	100	226	P	H
	*	5825	102.95	-	-	91.19	32.2	6.54	26.98	100	226	A	H
		5850	74	-48.2	122.2	62.16	32.3	6.54	27	100	226	P	H
		5857.2	66.5	-43.68	110.18	54.63	32.33	6.54	27	100	226	P	H
		5881.4	55.9	-44.55	100.45	43.96	32.43	6.54	27.03	100	226	P	H
		5936.6	52.16	-16.04	68.2	40.04	32.65	6.54	27.07	100	226	P	H
802.11n													H
HT20													H
CH 165	*	5825	108.82	-	-	97.06	32.2	6.54	26.98	220	13	P	V
5825MHz	*	5825	101.48	-	-	89.72	32.2	6.54	26.98	220	13	A	V
		5850.2	73.2	-48.54	121.74	61.36	32.3	6.54	27	220	13	P	V
		5855.6	63.8	-46.83	110.63	51.94	32.32	6.54	27	220	13	P	V
		5875.6	54.3	-50.45	104.75	42.38	32.4	6.54	27.02	220	13	P	V
		5934.6	50.82	-17.38	68.2	38.71	32.64	6.54	27.07	220	13	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 149 5745MHz		11490	47.44	-26.56	74	52.74	40.07	10.43	55.8	100	0	P	H
		17235	48.05	-20.15	68.2	51.26	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.94	-26.06	74	53.24	40.07	10.43	55.8	100	0	P	V
		17235	48.77	-19.43	68.2	51.98	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	46.74	-27.26	74	52.2	39.89	10.48	55.83	100	0	P	H
		17355	49.49	-18.71	68.2	52.4	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	47.04	-26.96	74	52.5	39.89	10.48	55.83	100	0	P	V
		17355	48.35	-19.85	68.2	51.26	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11n HT20 CH 165 5825MHz		11650	46.39	-27.61	74	52.19	39.55	10.53	55.88	100	0	P	H
		17475	49.18	-19.02	68.2	51.83	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	46.61	-27.39	74	52.41	39.55	10.53	55.88	100	0	P	V
		17475	49.48	-18.72	68.2	52.13	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 802.11n HT40 (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)
		5637.2	52.4	-15.8	68.2	41.04	31.83	6.34	26.81	105	209	P	H
		5695.4	63.24	-38.57	101.81	51.71	31.98	6.41	26.86	105	209	P	H
		5718.8	77.48	-32.98	110.46	65.88	32.04	6.44	26.88	105	209	P	H
		5723.6	80.17	-38.84	119.01	68.56	32.05	6.45	26.89	105	209	P	H
	*	5755	108.48	-	-	96.8	32.1	6.49	26.91	105	209	P	H
	*	5755	100.29	-	-	88.61	32.1	6.49	26.91	105	209	A	H
		5852.2	55.85	-61.33	117.18	44	32.31	6.54	27	105	209	P	H
		5868.2	53.66	-53.44	107.1	41.76	32.37	6.54	27.01	105	209	P	H
		5916	53.29	-21.55	74.84	41.25	32.56	6.54	27.06	105	209	P	H
		5935.2	52.73	-15.47	68.2	40.62	32.64	6.54	27.07	105	209	P	H
802.11n													H
HT40													H
CH 151		5640.4	52.56	-15.64	68.2	41.2	31.82	6.35	26.81	213	17	P	V
5755MHz		5690.2	60.08	-37.89	97.97	48.57	31.96	6.41	26.86	213	17	P	V
		5719.8	73.49	-37.25	110.74	61.89	32.04	6.44	26.88	213	17	P	V
		5723.8	76.95	-42.51	119.46	65.34	32.05	6.45	26.89	213	17	P	V
	*	5755	105.38	-	-	93.7	32.1	6.49	26.91	213	17	P	V
	*	5755	97.86	-	-	86.18	32.1	6.49	26.91	213	17	A	V
		5854.4	52.48	-59.69	112.17	40.62	32.32	6.54	27	213	17	P	V
		5871.2	51.73	-54.53	106.26	39.83	32.38	6.54	27.02	213	17	P	V
		5923.2	52.78	-16.75	69.53	40.71	32.59	6.54	27.06	213	17	P	V
		5942.4	52.24	-15.96	68.2	40.11	32.67	6.54	27.08	213	17	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)
		5634.4	51.39	-16.81	68.2	40.03	31.83	6.34	26.81	126	209	P	H
		5698.2	55.98	-47.89	103.87	44.43	31.99	6.42	26.86	126	209	P	H
		5719.4	58.86	-51.77	110.63	47.26	32.04	6.44	26.88	126	209	P	H
		5722.4	60.48	-55.79	116.27	48.88	32.04	6.45	26.89	126	209	P	H
	*	5795	108.15	-	-	96.47	32.1	6.53	26.95	126	209	P	H
	*	5795	100.72	-	-	89.04	32.1	6.53	26.95	126	209	A	H
		5854.2	68.81	-43.81	112.62	56.95	32.32	6.54	27	126	209	P	H
		5858	67.41	-42.55	109.96	55.55	32.33	6.54	27.01	126	209	P	H
		5875.4	57.52	-47.38	104.9	45.6	32.4	6.54	27.02	126	209	P	H
		5935.6	52.94	-15.26	68.2	40.83	32.64	6.54	27.07	126	209	P	H
802.11n													H
HT40													H
CH 159		5607.8	52.23	-15.97	68.2	40.82	31.88	6.31	26.78	190	11	P	V
5795MHz		5696.2	53.49	-48.91	102.4	41.95	31.98	6.42	26.86	190	11	P	V
		5717.6	55.83	-54.3	110.13	44.23	32.04	6.44	26.88	190	11	P	V
		5724.6	59.6	-61.69	121.29	47.99	32.05	6.45	26.89	190	11	P	V
	*	5795	105.15	-	-	93.47	32.1	6.53	26.95	190	11	P	V
	*	5795	97.8	-	-	86.12	32.1	6.53	26.95	190	11	A	V
		5850.8	60.3	-60.08	120.38	48.46	32.3	6.54	27	190	11	P	V
		5857.8	63.14	-46.87	110.01	51.27	32.33	6.54	27	190	11	P	V
		5886	53.86	-43.17	97.03	41.91	32.44	6.54	27.03	190	11	P	V
		5931.2	52.67	-15.53	68.2	40.58	32.62	6.54	27.07	190	11	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 151 5755MHz		11510	47.45	-26.55	74	52.73	40.07	10.45	55.8	100	0	P	H
		17265	47.91	-20.29	68.2	51.07	40.1	13.11	56.37	100	0	P	H
													H
													H
		11510	47.13	-26.87	74	52.41	40.07	10.45	55.8	100	0	P	V
		17265	48.18	-20.02	68.2	51.34	40.1	13.11	56.37	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11590	47.1	-26.9	74	52.63	39.83	10.49	55.85	100	0	P	H
		17385	48.48	-19.72	68.2	51.3	40.62	13.18	56.62	100	0	P	H
													H
													H
		11590	46.68	-27.32	74	52.21	39.83	10.49	55.85	100	0	P	V
		17385	48.69	-19.51	68.2	51.51	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)
		5614.8	59.83	-8.37	68.2	48.43	31.87	6.32	26.79	110	217	P	H
		5693.2	74.92	-25.27	100.19	63.4	31.97	6.41	26.86	110	217	P	H
		5718.6	79.1	-31.31	110.41	67.5	32.04	6.44	26.88	110	217	P	H
		5720.6	79.32	-32.85	112.17	67.72	32.04	6.44	26.88	110	217	P	H
	*	5775	106.25	-	-	94.57	32.1	6.51	26.93	110	217	P	H
	*	5775	100.64	-	-	88.96	32.1	6.51	26.93	110	217	A	H
		5851.2	78.98	-40.48	119.46	67.14	32.3	6.54	27	110	217	P	H
		5855.6	76.5	-34.13	110.63	64.64	32.32	6.54	27	110	217	P	H
		5875.8	71.71	-32.9	104.61	59.79	32.4	6.54	27.02	110	217	P	H
		5927.4	57.32	-10.88	68.2	45.24	32.61	6.54	27.07	110	217	P	H
802.11ac													H
VHT80													H
CH 155		5634.2	58.44	-9.76	68.2	47.08	31.83	6.34	26.81	224	13	P	V
5775MHz		5695.6	72.81	-29.15	101.96	61.28	31.98	6.41	26.86	224	13	P	V
		5716.2	75.79	-33.95	109.74	64.2	32.03	6.44	26.88	224	13	P	V
		5723.4	76.56	-41.99	118.55	64.95	32.05	6.45	26.89	224	13	P	V
	*	5775	103.03	-	-	91.35	32.1	6.51	26.93	224	13	P	V
	*	5775	95.83	-	-	84.15	32.1	6.51	26.93	224	13	A	V
		5852.4	74.84	-41.89	116.73	62.99	32.31	6.54	27	224	13	P	V
		5855	73.95	-36.85	110.8	62.09	32.32	6.54	27	224	13	P	V
		5875.4	65.86	-39.04	104.9	53.94	32.4	6.54	27.02	224	13	P	V
		5931.2	53.54	-14.66	68.2	41.45	32.62	6.54	27.07	224	13	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)
802.11ac VHT80 CH 155 5775MHz		11550	47.09	-26.91	74	52.49	39.95	10.47	55.82	100	0	P	H
		17325	48.18	-20.02	68.2	51.2	40.33	13.14	56.49	100	0	P	H
													H
													H
		11550	47.29	-26.71	74	52.69	39.95	10.47	55.82	100	0	P	V
		17325	49.91	-18.29	68.2	52.93	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)
5GHz 802.11ac VHT80 LF		120.21	34.11	-9.39	43.5	47.73	17.56	0.97	32.15	-	-	P	H
		435.46	32.51	-13.49	46	39.72	22.95	1.79	31.95	-	-	P	H
		473.29	36.93	-9.07	46	43.82	23.52	1.87	32.28	100	0	P	H
		721.61	32.33	-13.67	46	34.56	27.14	2.33	31.7	-	-	P	H
		875.84	31.19	-14.81	46	31.45	28.86	2.59	31.71	-	-	P	H
		954.41	32.34	-13.66	46	29.9	30.68	2.7	30.94	-	-	P	H
													H
													H
													H
													H
													H
													H
		32.91	27.67	-12.33	40	36.16	23.25	0.5	32.24	-	-	P	V
		120.21	36.49	-7.01	43.5	50.11	17.56	0.97	32.15	100	0	P	V
		473.29	31.65	-14.35	46	38.54	23.52	1.87	32.28	-	-	P	V
		713.85	31.64	-14.36	46	34.24	26.74	2.33	31.67	-	-	P	V
		894.27	31.4	-14.6	46	31.62	28.77	2.66	31.65	-	-	P	V
		953.44	32.25	-13.75	46	29.87	30.64	2.7	30.96	-	-	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 Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5613.4	51.75	-16.45	68.2	40.35	31.87	6.32	26.79	100	300	P	H
		5688.6	59.39	-37.4	96.79	47.89	31.95	6.41	26.86	100	300	P	H
		5719.6	72.11	-38.58	110.69	60.51	32.04	6.44	26.88	100	300	P	H
		5724.6	75.65	-45.64	121.29	64.04	32.05	6.45	26.89	100	300	P	H
	*	5745	111.44	-	-	99.79	32.09	6.47	26.91	100	300	P	H
	*	5745	103.93	-	-	92.28	32.09	6.47	26.91	100	300	A	H
													H
													H
		5648.2	51.95	-16.25	68.2	40.61	31.8	6.36	26.82	322	180	P	V
		5699	57.43	-47.03	104.46	45.88	32	6.42	26.87	322	180	P	V
		5718.2	68.28	-42.02	110.3	56.68	32.04	6.44	26.88	322	180	P	V
		5724.8	77.46	-44.28	121.74	65.85	32.05	6.45	26.89	322	180	P	V
	*	5745	109.41	-	-	97.76	32.09	6.47	26.91	322	180	P	V
	*	5745	102.01	-	-	90.36	32.09	6.47	26.91	322	180	A	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5604	51.47	-16.73	68.2	40.06	31.89	6.3	26.78	101	305	P	H
		5690.6	51.42	-46.85	98.27	39.91	31.96	6.41	26.86	101	305	P	H
		5707.2	52.28	-54.94	107.22	40.71	32.01	6.43	26.87	101	305	P	H
		5720.8	51.26	-61.36	112.62	39.66	32.04	6.44	26.88	101	305	P	H
	*	5785	109.04	-	-	97.36	32.1	6.52	26.94	101	305	P	H
	*	5785	101.13	-	-	89.45	32.1	6.52	26.94	101	305	A	H
		5854.6	52.02	-59.69	111.71	40.16	32.32	6.54	27	101	305	P	H
		5868.6	52.8	-54.19	106.99	40.9	32.37	6.54	27.01	101	305	P	H
		5918.8	52.44	-20.33	72.77	40.38	32.58	6.54	27.06	101	305	P	H
		5946.8	51.46	-16.74	68.2	39.31	32.69	6.54	27.08	101	305	P	H
													H
													H
		5613.4	50.54	-17.66	68.2	39.14	31.87	6.32	26.79	354	182	P	V
		5651.8	51.71	-17.83	69.54	40.36	31.81	6.36	26.82	354	182	P	V
		5710.8	50.98	-57.25	108.23	39.41	32.02	6.43	26.88	354	182	P	V
		5724.8	52.13	-69.61	121.74	40.52	32.05	6.45	26.89	354	182	P	V
	*	5785	107.9	-	-	96.22	32.1	6.52	26.94	354	182	P	V
	*	5785	100.1	-	-	88.42	32.1	6.52	26.94	354	182	A	V
		5853.8	52.18	-61.36	113.54	40.32	32.32	6.54	27	354	182	P	V
		5855.2	51.6	-59.14	110.74	39.74	32.32	6.54	27	354	182	P	V
		5892.6	52.43	-39.71	92.14	40.46	32.47	6.54	27.04	354	182	P	V
		5933.2	52.34	-15.86	68.2	40.24	32.63	6.54	27.07	354	182	P	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	109.62	-	-	97.86	32.2	6.54	26.98	100	298	P	H
	*	5825	101.9	-	-	90.14	32.2	6.54	26.98	100	298	A	H
		5851.2	69.16	-50.3	119.46	57.32	32.3	6.54	27	100	298	P	H
		5857.6	64.51	-45.56	110.07	52.64	32.33	6.54	27	100	298	P	H
		5875.2	55.53	-49.52	105.05	43.61	32.4	6.54	27.02	100	298	P	H
		5935	52.72	-15.48	68.2	40.61	32.64	6.54	27.07	100	298	P	H
													H
802.11a													H
CH 165	*	5825	107.97	-	-	96.21	32.2	6.54	26.98	364	173	P	V
5825MHz	*	5825	100.09	-	-	88.33	32.2	6.54	26.98	364	173	A	V
		5850	67.88	-54.32	122.2	56.04	32.3	6.54	27	364	173	P	V
		5855.2	62.55	-48.19	110.74	50.69	32.32	6.54	27	364	173	P	V
		5885.2	52.62	-45.01	97.63	40.67	32.44	6.54	27.03	364	173	P	V
		5928.4	51.81	-16.39	68.2	39.73	32.61	6.54	27.07	364	173	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	47.45	-26.55	74	52.75	40.07	10.43	55.8	100	0	P	H
		17235	48.98	-19.22	68.2	52.19	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.15	-26.85	74	52.45	40.07	10.43	55.8	100	0	P	V
		17235	48.96	-19.24	68.2	52.17	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.7	-27.3	74	52.16	39.89	10.48	55.83	100	0	P	H
		17355	48.92	-19.28	68.2	51.83	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	45.84	-28.16	74	51.3	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	46.64	-27.36	74	52.44	39.55	10.53	55.88	100	0	P	H
		17475	49.18	-19.02	68.2	51.83	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	46.75	-27.25	74	52.55	39.55	10.53	55.88	100	0	P	V
		17475	49.54	-18.66	68.2	52.19	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5624.4	51.32	-16.88	68.2	39.94	31.85	6.33	26.8	100	300	P	H
		5699.2	61.23	-43.38	104.61	49.68	32	6.42	26.87	100	300	P	H
		5720	69.29	-41.51	110.8	57.69	32.04	6.44	26.88	100	300	P	H
		5724.8	79.26	-42.48	121.74	67.65	32.05	6.45	26.89	100	300	P	H
	*	5745	108.88	-	-	97.23	32.09	6.47	26.91	100	300	P	H
	*	5745	101.74	-	-	90.09	32.09	6.47	26.91	100	300	A	H
802.11n													H
HT20													H
CH 149		5625	51.4	-16.8	68.2	40.02	31.85	6.33	26.8	322	172	P	V
5745MHz		5699.6	56.6	-48.31	104.91	45.05	32	6.42	26.87	322	172	P	V
		5717.2	64.87	-45.15	110.02	53.28	32.03	6.44	26.88	322	172	P	V
		5722.6	75.36	-41.37	116.73	63.75	32.05	6.45	26.89	322	172	P	V
	*	5745	107.44	-	-	95.79	32.09	6.47	26.91	322	172	P	V
	*	5745	99.83	-	-	88.18	32.09	6.47	26.91	322	172	A	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648.8	51.38	-16.82	68.2	40.04	31.8	6.36	26.82	104	303	P	H
		5672.4	51.57	-33.25	84.82	40.13	31.89	6.39	26.84	104	303	P	H
		5716.8	51.69	-58.22	109.91	40.1	32.03	6.44	26.88	104	303	P	H
		5720.8	53.14	-59.48	112.62	41.54	32.04	6.44	26.88	104	303	P	H
	*	5785	109.59	-	-	97.91	32.1	6.52	26.94	104	303	P	H
	*	5785	102.21	-	-	90.53	32.1	6.52	26.94	104	303	A	H
		5854.6	52.15	-59.56	111.71	40.29	32.32	6.54	27	104	303	P	H
		5855.6	52.33	-58.3	110.63	40.47	32.32	6.54	27	104	303	P	H
		5909.8	52.31	-27.11	79.42	40.28	32.54	6.54	27.05	104	303	P	H
		5947.6	51.95	-16.25	68.2	39.8	32.69	6.54	27.08	104	303	P	H
802.11n													H
HT20													H
CH 157		5639.4	52.54	-15.66	68.2	41.18	31.82	6.35	26.81	338	181	P	V
5785MHz		5670.4	51.51	-31.83	83.34	40.09	31.88	6.38	26.84	338	181	P	V
		5714.4	50.53	-58.7	109.23	38.94	32.03	6.44	26.88	338	181	P	V
		5722.4	51.05	-65.22	116.27	39.45	32.04	6.45	26.89	338	181	P	V
	*	5785	107.26	-	-	95.58	32.1	6.52	26.94	338	181	P	V
	*	5785	99.64	-	-	87.96	32.1	6.52	26.94	338	181	A	V
		5854.6	51.2	-60.51	111.71	39.34	32.32	6.54	27	338	181	P	V
		5863.6	52.39	-56	108.39	40.51	32.35	6.54	27.01	338	181	P	V
		5898	52.22	-35.92	88.14	40.23	32.49	6.54	27.04	338	181	P	V
		5925.4	51.28	-16.92	68.2	39.2	32.6	6.54	27.06	338	181	P	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	109.24	-	-	97.48	32.2	6.54	26.98	100	297	P	H
	*	5825	101.72	-	-	89.96	32.2	6.54	26.98	100	297	A	H
		5850	70.27	-51.93	122.2	58.43	32.3	6.54	27	100	297	P	H
		5855.4	64.13	-46.56	110.69	52.27	32.32	6.54	27	100	297	P	H
		5875.6	55.5	-49.25	104.75	43.58	32.4	6.54	27.02	100	297	P	H
		5943.2	52.03	-16.17	68.2	39.9	32.67	6.54	27.08	100	297	P	H
802.11n													H
HT20													H
CH 165	*	5825	107.39	-	-	95.63	32.2	6.54	26.98	331	181	P	V
5825MHz	*	5825	99.82	-	-	88.06	32.2	6.54	26.98	331	181	A	V
		5850	68.89	-53.31	122.2	57.05	32.3	6.54	27	331	181	P	V
		5855.4	62.4	-48.29	110.69	50.54	32.32	6.54	27	331	181	P	V
		5877.8	53.67	-49.45	103.12	41.74	32.41	6.54	27.02	331	181	P	V
		5927	51.2	-17	68.2	39.12	32.61	6.54	27.07	331	181	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		11490	48.59	-25.41	74	53.89	40.07	10.43	55.8	100	0	P	H
		17235	47.8	-20.4	68.2	51.01	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	48.12	-25.88	74	53.42	40.07	10.43	55.8	100	0	P	V
		17235	48.75	-19.45	68.2	51.96	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	46.96	-27.04	74	52.42	39.89	10.48	55.83	100	0	P	H
		17355	48.22	-19.98	68.2	51.13	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	47.2	-26.8	74	52.66	39.89	10.48	55.83	100	0	P	V
		17355	49.15	-19.05	68.2	52.06	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11n HT20 CH 165 5825MHz		11650	46.68	-27.32	74	52.48	39.55	10.53	55.88	100	0	P	H
		17475	49.27	-18.93	68.2	51.92	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	46.66	-27.34	74	52.46	39.55	10.53	55.88	100	0	P	V
		17475	49.77	-18.43	68.2	52.42	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642.4	52.66	-15.54	68.2	41.31	31.82	6.35	26.82	100	301	P	H
		5700	61.38	-43.82	105.2	49.83	32	6.42	26.87	100	301	P	H
		5719	78.61	-31.91	110.52	67.01	32.04	6.44	26.88	100	301	P	H
		5722	78.48	-36.88	115.36	66.88	32.04	6.45	26.89	100	301	P	H
	*	5755	105.19	-	-	93.51	32.1	6.49	26.91	100	301	P	H
	*	5755	98.49	-	-	86.81	32.1	6.49	26.91	100	301	A	H
		5853	52.24	-63.12	115.36	40.39	32.31	6.54	27	100	301	P	H
		5873.2	53.14	-52.56	105.7	41.23	32.39	6.54	27.02	100	301	P	H
		5894.4	51.68	-39.13	90.81	39.7	32.48	6.54	27.04	100	301	P	H
		5941.8	51.52	-16.68	68.2	39.39	32.67	6.54	27.08	100	301	P	H
802.11n													H
HT40													H
CH 151		5603	51.25	-16.95	68.2	39.84	31.89	6.3	26.78	338	180	P	V
5755MHz		5699	58.83	-45.63	104.46	47.28	32	6.42	26.87	338	180	P	V
		5718.6	72.21	-38.2	110.41	60.61	32.04	6.44	26.88	338	180	P	V
		5723.4	76.56	-41.99	118.55	64.95	32.05	6.45	26.89	338	180	P	V
	*	5755	104.09	-	-	92.41	32.1	6.49	26.91	338	180	P	V
	*	5755	96.97	-	-	85.29	32.1	6.49	26.91	338	180	A	V
		5855	52.4	-58.4	110.8	40.54	32.32	6.54	27	338	180	P	V
		5859.4	52.49	-57.08	109.57	40.62	32.34	6.54	27.01	338	180	P	V
		5894	52.35	-38.75	91.1	40.37	32.48	6.54	27.04	338	180	P	V
		5927.6	51.48	-16.72	68.2	39.4	32.61	6.54	27.07	338	180	P	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5600.8	51.2	-17	68.2	39.78	31.9	6.3	26.78	104	302	P	H
		5692.4	52.85	-46.75	99.6	41.33	31.97	6.41	26.86	104	302	P	H
		5714	56.72	-52.4	109.12	45.13	32.03	6.44	26.88	104	302	P	H
		5722.4	57.49	-58.78	116.27	45.89	32.04	6.45	26.89	104	302	P	H
	*	5795	105.12	-	-	93.44	32.1	6.53	26.95	104	302	P	H
	*	5795	98.34	-	-	86.66	32.1	6.53	26.95	104	302	A	H
		5850	59.9	-62.3	122.2	48.06	32.3	6.54	27	104	302	P	H
		5856.4	59.67	-50.74	110.41	47.8	32.33	6.54	27	104	302	P	H
		5878.4	55.06	-47.61	102.67	43.13	32.41	6.54	27.02	104	302	P	H
		5936.4	51.58	-16.62	68.2	39.46	32.65	6.54	27.07	104	302	P	H
802.11n													H
HT40													H
CH 159		5632.2	52.05	-16.15	68.2	40.68	31.84	6.34	26.81	353	180	P	V
5795MHz		5695.2	52.11	-49.55	101.66	40.58	31.98	6.41	26.86	353	180	P	V
		5708.6	54.35	-53.26	107.61	42.77	32.02	6.43	26.87	353	180	P	V
		5721.2	55.59	-57.95	113.54	43.98	32.04	6.45	26.88	353	180	P	V
	*	5795	103.77	-	-	92.09	32.1	6.53	26.95	353	180	P	V
	*	5795	96.74	-	-	85.06	32.1	6.53	26.95	353	180	A	V
		5851.2	57.86	-61.6	119.46	46.02	32.3	6.54	27	353	180	P	V
		5862.8	57.59	-51.02	108.61	45.71	32.35	6.54	27.01	353	180	P	V
		5881.8	53.14	-47.01	100.15	41.2	32.43	6.54	27.03	353	180	P	V
		5937.2	51.47	-16.73	68.2	39.35	32.65	6.54	27.07	353	180	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		11510	47.76	-26.24	74	53.04	40.07	10.45	55.8	100	0	P	H
		17265	48.42	-19.78	68.2	51.58	40.1	13.11	56.37	100	0	P	H
													H
													H
		11510	47.33	-26.67	74	52.61	40.07	10.45	55.8	100	0	P	V
		17265	47.18	-21.02	68.2	50.34	40.1	13.11	56.37	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11590	46.27	-27.73	74	51.8	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
													H
													H
		11590	46.35	-27.65	74	51.88	39.83	10.49	55.85	100	0	P	V
		17385	49.47	-18.73	68.2	52.29	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649.8	57.71	-10.49	68.2	46.37	31.8	6.36	26.82	101	301	P	H
		5697.2	70.72	-32.42	103.14	59.17	31.99	6.42	26.86	101	301	P	H
		5716	74.55	-35.13	109.68	62.96	32.03	6.44	26.88	101	301	P	H
		5721.4	75.57	-38.42	113.99	63.96	32.04	6.45	26.88	101	301	P	H
	*	5775	103.18	-	-	91.5	32.1	6.51	26.93	101	301	P	H
	*	5775	96.16	-	-	84.48	32.1	6.51	26.93	101	301	A	H
		5850.6	75.1	-45.73	120.83	63.26	32.3	6.54	27	101	301	P	H
		5856.8	73.01	-37.29	110.3	61.14	32.33	6.54	27	101	301	P	H
		5875.8	67.07	-37.54	104.61	55.15	32.4	6.54	27.02	101	301	P	H
		5939.8	54.12	-14.08	68.2	42	32.66	6.54	27.08	101	301	P	H
802.11ac													H
VHT80													H
CH 155		5613.2	55.22	-12.98	68.2	43.82	31.87	6.32	26.79	333	179	P	V
5775MHz		5696.2	69.77	-32.63	102.4	58.23	31.98	6.42	26.86	333	179	P	V
		5718.8	72.17	-38.29	110.46	60.57	32.04	6.44	26.88	333	179	P	V
		5724.6	73.73	-47.56	121.29	62.12	32.05	6.45	26.89	333	179	P	V
	*	5775	101.11	-	-	89.43	32.1	6.51	26.93	333	179	P	V
	*	5775	94.6	-	-	82.92	32.1	6.51	26.93	333	179	A	V
		5850.8	73.68	-46.7	120.38	61.84	32.3	6.54	27	333	179	P	V
		5855.4	71.16	-39.53	110.69	59.3	32.32	6.54	27	333	179	P	V
		5878.6	63.91	-38.62	102.53	51.98	32.41	6.54	27.02	333	179	P	V
		5926.6	52.84	-15.36	68.2	40.76	32.61	6.54	27.07	333	179	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		11550	46.87	-27.13	74	52.27	39.95	10.47	55.82			P	H
		17325	48.73	-19.47	68.2	51.75	40.33	13.14	56.49	100	0	P	H
													H
													H
		11550	47.76	-26.24	74	53.16	39.95	10.47	55.82	100	0	P	V
		17325	48.68	-19.52	68.2	51.7	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
5GHz 802.11ac VHT80 LF		120.21	34.48	-9.02	43.5	48.1	17.56	0.97	32.15	-	-	P	H
		436.43	31.67	-14.33	46	38.88	22.96	1.79	31.96	-	-	P	H
		473.29	36.34	-9.66	46	43.23	23.52	1.87	32.28	-	-	P	H
		719.67	37.54	-8.46	46	39.87	27.03	2.33	31.69	100	0	P	H
		861.29	31.32	-14.68	46	31.55	29	2.52	31.75	-	-	P	H
		952.47	33.12	-12.88	46	30.78	30.61	2.7	30.97	-	-	P	H
													H
													H
													H
													H
													H
													H
		120.21	36.88	-6.62	43.5	50.5	17.56	0.97	32.15	100	0	P	V
		236.61	23.74	-22.26	46	37.77	16.81	1.35	32.19	-	-	P	V
		420.91	28.33	-17.67	46	35.61	22.78	1.76	31.82	-	-	P	V
		473.29	31.06	-14.94	46	37.95	23.52	1.87	32.28	-	-	P	V
		721.61	34.9	-11.1	46	37.13	27.14	2.33	31.7	-	-	P	V
		956.35	32.55	-13.45	46	30.1	30.66	2.71	30.92	-	-	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5606.6	52.02	-16.18	68.2	40.6	31.89	6.31	26.78	100	300	P	H
		5695.6	58.74	-43.22	101.96	47.21	31.98	6.41	26.86	100	300	P	H
		5717	70.56	-39.4	109.96	58.97	32.03	6.44	26.88	100	300	P	H
		5722.8	79.73	-37.45	117.18	68.12	32.05	6.45	26.89	100	300	P	H
	*	5745	114.56	-	-	102.91	32.09	6.47	26.91	100	300	P	H
	*	5745	107.28	-	-	95.63	32.09	6.47	26.91	100	300	A	H
													H
													H
		5621.4	51.79	-16.41	68.2	40.4	31.86	6.33	26.8	264	24	P	V
		5698.6	57.63	-46.54	104.17	46.08	31.99	6.42	26.86	264	24	P	V
		5717.6	68.77	-41.36	110.13	57.17	32.04	6.44	26.88	264	24	P	V
		5724.2	78.98	-41.4	120.38	67.37	32.05	6.45	26.89	264	24	P	V
	*	5745	112.65	-	-	101	32.09	6.47	26.91	264	24	P	V
	*	5745	105.66	-	-	94.01	32.09	6.47	26.91	264	24	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5625.2	51.62	-16.58	68.2	40.24	31.85	6.33	26.8	100	300	P	H
		5696.4	51.53	-51.02	102.55	39.98	31.99	6.42	26.86	100	300	P	H
		5719	53.66	-56.86	110.52	42.06	32.04	6.44	26.88	100	300	P	H
		5723.2	54.03	-64.07	118.1	42.42	32.05	6.45	26.89	100	300	P	H
	*	5785	114.06	-	-	102.38	32.1	6.52	26.94	100	300	P	H
	*	5785	106.92	-	-	95.24	32.1	6.52	26.94	100	300	A	H
		5854.6	52.27	-59.44	111.71	40.41	32.32	6.54	27	100	300	P	H
		5860.2	52.81	-56.53	109.34	40.94	32.34	6.54	27.01	100	300	P	H
		5891.4	53.24	-39.79	93.03	41.26	32.47	6.54	27.03	100	300	P	H
		5944.4	51.31	-16.89	68.2	39.17	32.68	6.54	27.08	100	300	P	H
													H
													H
		5621.2	51.78	-16.42	68.2	40.39	31.86	6.33	26.8	273	25	P	V
		5684.4	51.46	-42.23	93.69	39.97	31.94	6.4	26.85	273	25	P	V
		5716.6	53.96	-55.89	109.85	42.37	32.03	6.44	26.88	273	25	P	V
		5721.8	53.42	-61.48	114.9	41.82	32.04	6.45	26.89	273	25	P	V
	*	5785	113.28	-	-	101.6	32.1	6.52	26.94	273	25	P	V
	*	5785	105.65	-	-	93.97	32.1	6.52	26.94	273	25	A	V
		5851	51.98	-67.94	119.92	40.14	32.3	6.54	27	273	25	P	V
		5865.6	52.46	-55.37	107.83	40.57	32.36	6.54	27.01	273	25	P	V
		5919.4	52.31	-20.02	72.33	40.25	32.58	6.54	27.06	273	25	P	V
		5944	51.87	-16.33	68.2	39.73	32.68	6.54	27.08	273	25	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	113.5	-	-	101.74	32.2	6.54	26.98	104	301	P	H
	*	5825	106.47	-	-	94.71	32.2	6.54	26.98	104	301	A	H
		5854.6	69.52	-42.19	111.71	57.66	32.32	6.54	27	104	301	P	H
		5855.4	67.19	-43.5	110.69	55.33	32.32	6.54	27	104	301	P	H
		5875.2	56.84	-48.21	105.05	44.92	32.4	6.54	27.02	104	301	P	H
		5947	51.93	-16.27	68.2	39.78	32.69	6.54	27.08	104	301	P	H
													H
802.11a													H
CH 165	*	5825	112.91	-	-	101.15	32.2	6.54	26.98	252	64	P	V
5825MHz	*	5825	105.44	-	-	93.68	32.2	6.54	26.98	252	64	A	V
		5853	70.95	-44.41	115.36	59.1	32.31	6.54	27	252	64	P	V
		5857.8	71.22	-38.79	110.01	59.35	32.33	6.54	27	252	64	P	V
		5883.4	55.71	-43.25	98.96	43.77	32.43	6.54	27.03	252	64	P	V
		5934.6	51.65	-16.55	68.2	39.54	32.64	6.54	27.07	252	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	47.21	-26.79	74	52.51	40.07	10.43	55.8	100	0	P	H
		17235	48.28	-19.92	68.2	51.49	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.55	-26.45	74	52.85	40.07	10.43	55.8	100	0	P	V
		17235	49.01	-19.19	68.2	52.22	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	47.86	-26.14	74	53.32	39.89	10.48	55.83	100	0	P	H
		17355	48.89	-19.31	68.2	51.8	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	47.11	-26.89	74	52.57	39.89	10.48	55.83	100	0	P	V
		17355	49.51	-18.69	68.2	52.42	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	47	-27	74	52.8	39.55	10.53	55.88	100	0	P	H
		17475	49.25	-18.95	68.2	51.9	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	47.43	-26.57	74	53.23	39.55	10.53	55.88	100	0	P	V
		17475	50.06	-18.14	68.2	52.71	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5615.4	51.22	-16.98	68.2	39.82	31.87	6.32	26.79	100	297	P	H
		5699.2	62.71	-41.9	104.61	51.16	32	6.42	26.87	100	297	P	H
		5719.8	77.27	-33.47	110.74	65.67	32.04	6.44	26.88	100	297	P	H
		5724.4	86.87	-33.96	120.83	75.26	32.05	6.45	26.89	100	297	P	H
	*	5745	114.81	-	-	103.16	32.09	6.47	26.91	100	297	P	H
	*	5745	107.21	-	-	95.56	32.09	6.47	26.91	100	297	A	H
802.11n													H
HT20													H
CH 149		5647	52.23	-15.97	68.2	40.88	31.81	6.36	26.82	250	23	P	V
5745MHz		5698.4	65.74	-38.28	104.02	54.19	31.99	6.42	26.86	250	23	P	V
		5719.6	74.25	-36.44	110.69	62.65	32.04	6.44	26.88	250	23	P	V
		5724.2	82.8	-37.58	120.38	71.19	32.05	6.45	26.89	250	23	P	V
	*	5745	112.81	-	-	101.16	32.09	6.47	26.91	250	23	P	V
	*	5745	105.56	-	-	93.91	32.09	6.47	26.91	250	23	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5608	52.01	-16.19	68.2	40.61	31.88	6.31	26.79	101	296	P	H
		5694.2	51.61	-49.31	100.92	40.08	31.98	6.41	26.86	101	296	P	H
		5716.4	53.5	-56.29	109.79	41.91	32.03	6.44	26.88	101	296	P	H
		5721.6	54.62	-59.83	114.45	43.02	32.04	6.45	26.89	101	296	P	H
	*	5785	114.28	-	-	102.6	32.1	6.52	26.94	101	296	P	H
	*	5785	106.82	-	-	95.14	32.1	6.52	26.94	101	296	A	H
		5854	57.34	-55.74	113.08	45.48	32.32	6.54	27	101	296	P	H
		5861.6	53.16	-55.79	108.95	41.28	32.35	6.54	27.01	101	296	P	H
		5884	52.79	-45.73	98.52	40.84	32.44	6.54	27.03	101	296	P	H
		5932.4	51.77	-16.43	68.2	39.67	32.63	6.54	27.07	101	296	P	H
802.11n													H
HT20													H
CH 157		5609	52.35	-15.85	68.2	40.95	31.88	6.31	26.79	267	20	P	V
5785MHz		5654	52.05	-19.12	71.17	40.7	31.82	6.36	26.83	267	20	P	V
		5718.8	55.62	-54.84	110.46	44.02	32.04	6.44	26.88	267	20	P	V
		5722.2	53.32	-62.5	115.82	41.72	32.04	6.45	26.89	267	20	P	V
	*	5785	112.96	-	-	101.28	32.1	6.52	26.94	267	20	P	V
	*	5785	105.62	-	-	93.94	32.1	6.52	26.94	267	20	A	V
		5854.2	52.68	-59.94	112.62	40.82	32.32	6.54	27	267	20	P	V
		5855.2	53.09	-57.65	110.74	41.23	32.32	6.54	27	267	20	P	V
		5887.8	53.31	-42.39	95.7	41.35	32.45	6.54	27.03	267	20	P	V
		5936.2	51.56	-16.64	68.2	39.45	32.64	6.54	27.07	267	20	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	114	-	-	102.24	32.2	6.54	26.98	100	298	P	H
	*	5825	106.68	-	-	94.92	32.2	6.54	26.98	100	298	A	H
		5850	66.74	-55.46	122.2	54.9	32.3	6.54	27	100	298	P	H
		5858	69.56	-40.4	109.96	57.7	32.33	6.54	27.01	100	298	P	H
		5878	59.13	-43.84	102.97	47.2	32.41	6.54	27.02	100	298	P	H
		5947.6	53.74	-14.46	68.2	41.59	32.69	6.54	27.08	100	298	P	H
802.11n													H
HT20													H
CH 165	*	5825	112.72	-	-	100.96	32.2	6.54	26.98	252	21	P	V
5825MHz	*	5825	105.49	-	-	93.73	32.2	6.54	26.98	252	21	A	V
		5850	73.48	-48.72	122.2	61.64	32.3	6.54	27	252	21	P	V
		5863.6	66.36	-42.03	108.39	54.48	32.35	6.54	27.01	252	21	P	V
		5886.4	55.36	-41.38	96.74	43.4	32.45	6.54	27.03	252	21	P	V
		5927	51.77	-16.43	68.2	39.69	32.61	6.54	27.07	252	21	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		11490	47.78	-26.22	74	53.08	40.07	10.43	55.8	100	0	P	H
		17235	47.82	-20.38	68.2	51.03	40.01	13.09	56.31	100	0	P	H
													H
													H
		11490	47.92	-26.08	74	53.22	40.07	10.43	55.8	100	0	P	V
		17235	48.26	-19.94	68.2	51.47	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	46.31	-27.69	74	51.77	39.89	10.48	55.83	100	0	P	H
		17355	47.72	-20.48	68.2	50.63	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	46.07	-27.93	74	51.53	39.89	10.48	55.83	100	0	P	V
		17355	48.84	-19.36	68.2	51.75	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11n HT20 CH 165 5825MHz		11650	47.57	-26.43	74	53.37	39.55	10.53	55.88	100	0	P	H
		17475	49.05	-19.15	68.2	51.7	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	47.71	-26.29	74	53.51	39.55	10.53	55.88	100	0	P	V
		17475	49.05	-19.15	68.2	51.7	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5634.2	53.49	-14.71	68.2	42.13	31.83	6.34	26.81	102	307	P	H
		5697	66.07	-36.92	102.99	54.52	31.99	6.42	26.86	102	307	P	H
		5719	79.74	-30.78	110.52	68.14	32.04	6.44	26.88	102	307	P	H
		5724	80.3	-39.62	119.92	68.69	32.05	6.45	26.89	102	307	P	H
	*	5755	110.67	-	-	98.99	32.1	6.49	26.91	102	307	P	H
	*	5755	103.35	-	-	91.67	32.1	6.49	26.91	102	307	A	H
		5852	55.65	-61.99	117.64	43.8	32.31	6.54	27	102	307	P	H
		5856	53.58	-56.94	110.52	41.72	32.32	6.54	27	102	307	P	H
		5903.4	53.28	-30.87	84.15	41.27	32.51	6.54	27.04	102	307	P	H
		5941.6	51.88	-16.32	68.2	39.75	32.67	6.54	27.08	102	307	P	H
802.11n													H
HT40													H
CH 151		5646	52.78	-15.42	68.2	41.43	31.81	6.36	26.82	257	23	P	V
5755MHz		5690	63.42	-34.41	97.83	51.91	31.96	6.41	26.86	257	23	P	V
		5718.6	79.19	-31.22	110.41	67.59	32.04	6.44	26.88	257	23	P	V
		5725	77.77	-44.43	122.2	66.16	32.05	6.45	26.89	257	23	P	V
	*	5755	109.05	-	-	97.37	32.1	6.49	26.91	257	23	P	V
	*	5755	101.81	-	-	90.13	32.1	6.49	26.91	257	23	A	V
		5853.6	52.77	-61.22	113.99	40.92	32.31	6.54	27	257	23	P	V
		5866	51.75	-55.97	107.72	39.86	32.36	6.54	27.01	257	23	P	V
		5900.4	52.31	-34.05	86.36	40.31	32.5	6.54	27.04	257	23	P	V
		5927	51.19	-17.01	68.2	39.11	32.61	6.54	27.07	257	23	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5615.6	51.73	-16.47	68.2	40.33	31.87	6.32	26.79	100	300	P	H
		5688.6	54.53	-42.26	96.79	43.03	31.95	6.41	26.86	100	300	P	H
		5707.8	57.32	-50.07	107.39	45.74	32.02	6.43	26.87	100	300	P	H
		5724.6	60.06	-61.23	121.29	48.45	32.05	6.45	26.89	100	300	P	H
	*	5795	110.64	-	-	98.96	32.1	6.53	26.95	100	300	P	H
	*	5795	103.41	-	-	91.73	32.1	6.53	26.95	100	300	A	H
		5852.4	66.16	-50.57	116.73	54.31	32.31	6.54	27	100	300	P	H
		5872	62.8	-43.24	106.04	50.89	32.39	6.54	27.02	100	300	P	H
		5888.2	57.32	-38.08	95.4	45.36	32.45	6.54	27.03	100	300	P	H
		5925.4	53.02	-15.18	68.2	40.94	32.6	6.54	27.06	100	300	P	H
802.11n													H
HT40													H
CH 159		5628.6	51.71	-16.49	68.2	40.34	31.84	6.33	26.8	262	25	P	V
5795MHz		5700	56.35	-48.85	105.2	44.8	32	6.42	26.87	262	25	P	V
		5715.8	59.96	-49.67	109.63	48.37	32.03	6.44	26.88	262	25	P	V
		5723.2	61.03	-57.07	118.1	49.42	32.05	6.45	26.89	262	25	P	V
	*	5795	109.09	-	-	97.41	32.1	6.53	26.95	262	25	P	V
	*	5795	101.66	-	-	89.98	32.1	6.53	26.95	262	25	A	V
		5854.8	58.84	-52.42	111.26	46.98	32.32	6.54	27	262	25	P	V
		5858.8	62.2	-47.53	109.73	50.33	32.34	6.54	27.01	262	25	P	V
		5878.4	59.75	-42.92	102.67	47.82	32.41	6.54	27.02	262	25	P	V
		5931.8	52.47	-15.73	68.2	40.37	32.63	6.54	27.07	262	25	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		11510	47.67	-26.33	74	52.95	40.07	10.45	55.8	100	0	P	H
		17265	47.35	-20.85	68.2	50.51	40.1	13.11	56.37	100	0	P	H
													H
													H
		11510	47.6	-26.4	74	52.88	40.07	10.45	55.8	100	0	P	V
		17265	47.64	-20.56	68.2	50.8	40.1	13.11	56.37	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11590	46.54	-27.46	74	52.07	39.83	10.49	55.85	100	0	P	H
		17385	49.01	-19.19	68.2	51.83	40.62	13.18	56.62	100	0	P	H
													H
													H
		11590	46.87	-27.13	74	52.4	39.83	10.49	55.85	100	0	P	V
		17385	48.74	-19.46	68.2	51.56	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648	57.29	-10.91	68.2	45.95	31.8	6.36	26.82	100	299	P	H
		5688.6	71.58	-25.21	96.79	60.08	31.95	6.41	26.86	100	299	P	H
		5712.2	73.6	-35.02	108.62	62.03	32.02	6.43	26.88	100	299	P	H
		5720.4	71.43	-40.28	111.71	59.83	32.04	6.44	26.88	100	299	P	H
	*	5775	106.18	-	-	94.5	32.1	6.51	26.93	100	299	P	H
	*	5775	98.83	-	-	87.15	32.1	6.51	26.93	100	299	A	H
		5850.6	73.24	-47.59	120.83	61.4	32.3	6.54	27	100	299	P	H
		5855	69.02	-41.78	110.8	57.16	32.32	6.54	27	100	299	P	H
		5879.4	64.08	-37.85	101.93	52.14	32.42	6.54	27.02	100	299	P	H
		5929	53.7	-14.5	68.2	41.61	32.62	6.54	27.07	100	299	P	H
802.11ac													H
VHT80													H
CH 155		5645.8	57.84	-10.36	68.2	46.5	31.81	6.35	26.82	264	59	P	V
5775MHz		5691	66.64	-31.92	98.56	55.13	31.96	6.41	26.86	264	59	P	V
		5710.4	70.22	-37.89	108.11	58.65	32.02	6.43	26.88	264	59	P	V
		5724.6	74.06	-47.23	121.29	62.45	32.05	6.45	26.89	264	59	P	V
	*	5775	104.93	-	-	93.25	32.1	6.51	26.93	264	59	P	V
	*	5775	98.02	-	-	86.34	32.1	6.51	26.93	264	59	A	V
		5850	69.96	-52.24	122.2	58.12	32.3	6.54	27	264	59	P	V
		5869.4	70.41	-36.36	106.77	58.51	32.38	6.54	27.02	264	59	P	V
		5878.2	60.67	-42.15	102.82	48.74	32.41	6.54	27.02	264	59	P	V
		5933.2	53.04	-15.16	68.2	40.94	32.63	6.54	27.07	264	59	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		11550	46.49	-27.51	74	51.89	39.95	10.47	55.82	100	0	P	H
		17325	48.49	-19.71	68.2	51.51	40.33	13.14	56.49	100	0	P	H
													H
													H
		11550	45.88	-28.12	74	51.28	39.95	10.47	55.82	100	0	P	V
		17325	47.42	-20.78	68.2	50.44	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
5GHz 802.11ac VHT80 LF		120.21	33.54	-9.96	43.5	47.16	17.56	0.97	32.15	-	-	P	H
		139.61	25.76	-17.74	43.5	39.33	17.59	1.03	32.19	-	-	P	H
		439.34	30.8	-15.2	46	38.02	22.98	1.79	31.99	-	-	P	H
		473.29	36.26	-9.74	46	43.15	23.52	1.87	32.28	-	-	P	H
		713.85	37.82	-8.18	46	40.42	26.74	2.33	31.67	100	0	P	H
		958.29	32.26	-13.74	46	29.84	30.6	2.72	30.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													V
		32.91	26.04	-13.96	40	34.53	23.25	0.5	32.24	-	-	P	V
		120.21	36.95	-6.55	43.5	50.57	17.56	0.97	32.15	100	0	P	V
		473.29	30.58	-15.42	46	37.47	23.52	1.87	32.28	-	-	P	V
		716.76	35.11	-10.89	46	37.59	26.87	2.33	31.68	-	-	P	V
		853.53	30.89	-15.11	46	31.19	28.99	2.49	31.78	-	-	P	V
		957.32	32.91	-13.09	46	30.47	30.63	2.72	30.91	-	-	P	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.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5628.8	51.89	-16.31	68.2	40.52	31.84	6.33	26.8	100	23	P	H
		5689.2	51.78	-45.46	97.24	40.27	31.96	6.41	26.86	100	23	P	H
		5719.8	53.52	-57.22	110.74	41.92	32.04	6.44	26.88	100	23	P	H
		5725	56.25	-65.95	122.2	44.64	32.05	6.45	26.89	100	23	P	H
	*	5745	107.96	-	-	96.31	32.09	6.47	26.91	100	23	P	H
	*	5745	99.46	-	-	87.81	32.09	6.47	26.91	100	23	A	H
802.11ac													H
VHT20													H
CH 149		5642	52.42	-15.78	68.2	41.06	31.82	6.35	26.81	316	222	P	V
5745MHz		5680.6	55.07	-35.81	90.88	43.6	31.92	6.4	26.85	316	222	P	V
		5719.8	56.53	-54.21	110.74	44.93	32.04	6.44	26.88	316	222	P	V
		5724.8	61.56	-60.18	121.74	49.95	32.05	6.45	26.89	316	222	P	V
	*	5745	112.66	-	-	101.01	32.09	6.47	26.91	316	222	P	V
	*	5745	103.66	-	-	92.01	32.09	6.47	26.91	316	222	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649.6	52.56	-15.64	68.2	41.22	31.8	6.36	26.82	100	72	P	H
		5681.6	52.41	-39.21	91.62	40.93	31.93	6.4	26.85	100	72	P	H
		5710.8	51.64	-56.59	108.23	40.07	32.02	6.43	26.88	100	72	P	H
		5722.4	51.43	-64.84	116.27	39.83	32.04	6.45	26.89	100	72	P	H
	*	5785	107.78	-	-	96.1	32.1	6.52	26.94	100	72	P	H
	*	5785	99.82	-	-	88.14	32.1	6.52	26.94	100	72	A	H
		5852.2	53.36	-63.82	117.18	41.51	32.31	6.54	27	100	72	P	H
		5856.2	52.72	-57.74	110.46	40.86	32.32	6.54	27	100	72	P	H
		5875.4	54.97	-49.93	104.9	43.05	32.4	6.54	27.02	100	72	P	H
		5941.8	52.63	-15.57	68.2	40.5	32.67	6.54	27.08	100	72	P	H
802.11ac													H
VHT20													H
CH 157		5612.6	51.57	-16.63	68.2	40.17	31.87	6.32	26.79	294	222	P	V
5785MHz		5659.8	52.22	-23.26	75.48	40.84	31.84	6.37	26.83	294	222	P	V
		5700.4	52.62	-52.69	105.31	41.07	32	6.42	26.87	294	222	P	V
		5720	51.94	-58.86	110.8	40.34	32.04	6.44	26.88	294	222	P	V
	*	5785	110.48	-	-	98.8	32.1	6.52	26.94	294	222	P	V
	*	5785	102.28	-	-	90.6	32.1	6.52	26.94	294	222	A	V
		5852	53.01	-64.63	117.64	41.16	32.31	6.54	27	294	222	P	V
		5862.4	53.75	-54.98	108.73	41.87	32.35	6.54	27.01	294	222	P	V
		5913.6	53.01	-23.6	76.61	40.97	32.55	6.54	27.05	294	222	P	V
		5928	52.23	-15.97	68.2	40.15	32.61	6.54	27.07	294	222	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	109.06	-	-	97.3	32.2	6.54	26.98	226	73	P	H
	*	5825	100.26	-	-	88.5	32.2	6.54	26.98	226	73	A	H
		5850.2	65.87	-55.87	121.74	54.03	32.3	6.54	27	226	73	P	H
		5856.8	59.88	-50.42	110.3	48.01	32.33	6.54	27	226	73	P	H
		5876.2	52.84	-51.47	104.31	40.92	32.4	6.54	27.02	226	73	P	H
		5944.4	51.7	-16.5	68.2	39.56	32.68	6.54	27.08	226	73	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	113.56	-	-	101.8	32.2	6.54	26.98	299	218	P	V
5825MHz	*	5825	104.16	-	-	92.4	32.2	6.54	26.98	299	218	A	V
		5850	68.18	-54.02	122.2	56.34	32.3	6.54	27	299	218	P	V
		5858.8	60.66	-49.07	109.73	48.79	32.34	6.54	27.01	299	218	P	V
		5881.2	55.17	-45.42	100.59	43.24	32.42	6.54	27.03	299	218	P	V
		5943.4	52.21	-15.99	68.2	40.08	32.67	6.54	27.08	299	218	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 149 5745MHz		11490	47.08	-26.92	74	52.38	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
													H
													H
		11490	47.94	-26.06	74	53.24	40.07	10.43	55.8	100	0	P	V
		17235	48.91	-19.29	68.2	52.12	40.01	13.09	56.31	100	0	P	V
													V
													V
802.11ac VHT20 CH 157 5785MHz		11570	47.48	-26.52	74	52.94	39.89	10.48	55.83	100	0	P	H
		17355	48.81	-19.39	68.2	51.72	40.48	13.16	56.55	100	0	P	H
													H
													H
		11570	46.74	-27.26	74	52.2	39.89	10.48	55.83	100	0	P	V
		17355	48.55	-19.65	68.2	51.46	40.48	13.16	56.55	100	0	P	V
													V
													V
802.11ac VHT20 CH 165 5825MHz		11650	47.94	-26.06	74	53.74	39.55	10.53	55.88	100	0	P	H
		17475	48.32	-19.88	68.2	50.97	40.92	13.23	56.8	100	0	P	H
													H
													H
		11650	46.75	-27.25	74	52.55	39.55	10.53	55.88	100	0	P	V
		17475	49.54	-18.66	68.2	52.19	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649.2	51.43	-16.77	68.2	40.09	31.8	6.36	26.82	256	73	P	H
		5668.4	52.17	-29.68	81.85	40.76	31.87	6.38	26.84	256	73	P	H
		5715	57.34	-52.06	109.4	45.75	32.03	6.44	26.88	256	73	P	H
		5725	56.71	-65.49	122.2	45.1	32.05	6.45	26.89	256	73	P	H
	*	5755	103.77	-	-	92.09	32.1	6.49	26.91	256	73	P	H
	*	5755	95.87	-	-	84.19	32.1	6.49	26.91	256	73	A	H
		5851.2	50.78	-68.68	119.46	38.94	32.3	6.54	27	256	73	P	H
		5873.8	52.26	-53.28	105.54	40.34	32.4	6.54	27.02	256	73	P	H
		5916.4	51.65	-22.89	74.54	39.6	32.57	6.54	27.06	256	73	P	H
		5930.6	52.05	-16.15	68.2	39.96	32.62	6.54	27.07	256	73	P	H
802.11ac													H
VHT40													H
CH 151		5645.8	52.27	-15.93	68.2	40.93	31.81	6.35	26.82	309	210	P	V
5755MHz		5697.2	54.66	-48.48	103.14	43.11	31.99	6.42	26.86	309	210	P	V
		5717.6	60.81	-49.32	110.13	49.21	32.04	6.44	26.88	309	210	P	V
		5723.6	60.16	-58.85	119.01	48.55	32.05	6.45	26.89	309	210	P	V
	*	5755	107.07	-	-	95.39	32.1	6.49	26.91	309	210	P	V
	*	5755	99.77	-	-	88.09	32.1	6.49	26.91	309	210	A	V
		5852.2	51.91	-65.27	117.18	40.06	32.31	6.54	27	309	210	P	V
		5858.8	52.85	-56.88	109.73	40.98	32.34	6.54	27.01	309	210	P	V
		5875.8	52.2	-52.41	104.61	40.28	32.4	6.54	27.02	309	210	P	V
		5940.2	51.77	-16.43	68.2	39.65	32.66	6.54	27.08	309	210	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5608	52.61	-15.59	68.2	41.21	31.88	6.31	26.79	245	73	P	H
		5661.4	51.82	-24.84	76.66	40.43	31.85	6.37	26.83	245	73	P	H
		5704.6	50.94	-55.55	106.49	39.37	32.01	6.43	26.87	245	73	P	H
		5722.6	51.09	-65.64	116.73	39.48	32.05	6.45	26.89	245	73	P	H
	*	5795	103.68	-	-	92	32.1	6.53	26.95	245	73	P	H
	*	5795	95.48	-	-	83.8	32.1	6.53	26.95	245	73	A	H
		5854.8	52.55	-58.71	111.26	40.69	32.32	6.54	27	245	73	P	H
		5864.6	53.52	-54.59	108.11	41.63	32.36	6.54	27.01	245	73	P	H
		5877.2	52.95	-50.62	103.57	41.02	32.41	6.54	27.02	245	73	P	H
		5931.4	51.77	-16.43	68.2	39.67	32.63	6.54	27.07	245	73	P	H
802.11ac													H
VHT40													H
CH 159		5605.6	51.96	-16.24	68.2	40.54	31.89	6.31	26.78	153	210	P	V
5795MHz		5655.6	51.52	-20.84	72.36	40.16	31.82	6.37	26.83	153	210	P	V
		5718	51.81	-58.43	110.24	40.21	32.04	6.44	26.88	153	210	P	V
		5724.2	52.06	-68.32	120.38	40.45	32.05	6.45	26.89	153	210	P	V
	*	5795	106.98	-	-	95.3	32.1	6.53	26.95	153	210	P	V
	*	5795	99.88	-	-	88.2	32.1	6.53	26.95	153	210	A	V
		5850.2	53.97	-67.77	121.74	42.13	32.3	6.54	27	153	210	P	V
		5870.6	54.51	-51.92	106.43	42.61	32.38	6.54	27.02	153	210	P	V
		5888.2	53.8	-41.6	95.4	41.84	32.45	6.54	27.03	153	210	P	V
		5941	52.46	-15.74	68.2	40.34	32.66	6.54	27.08	153	210	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 151 5755MHz		11510	47.62	-26.38	74	52.9	40.07	10.45	55.8	100	0	P	H
		17265	48.68	-19.52	68.2	51.84	40.1	13.11	56.37	100	0	P	H
													H
													H
		11510	46.71	-27.29	74	51.99	40.07	10.45	55.8	100	0	P	V
		17265	48.12	-20.08	68.2	51.28	40.1	13.11	56.37	100	0	P	V
													V
													V
802.11ac VHT40 CH 159 5795MHz		11590	46.59	-27.41	74	52.12	39.83	10.49	55.85	100	0	P	H
		17385	48.66	-19.54	68.2	51.48	40.62	13.18	56.62	100	0	P	H
													H
													H
		11590	46.7	-27.3	74	52.23	39.83	10.49	55.85	100	0	P	V
		17385	49.62	-18.58	68.2	52.44	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5641.2	51.6	-16.6	68.2	40.24	31.82	6.35	26.81	100	24	P	H
		5698.6	53.75	-50.42	104.17	42.2	31.99	6.42	26.86	100	24	P	H
		5716.6	56.7	-53.15	109.85	45.11	32.03	6.44	26.88	100	24	P	H
		5723.6	56.27	-62.74	119.01	44.66	32.05	6.45	26.89	100	24	P	H
	*	5775	100.85	-	-	89.17	32.1	6.51	26.93	100	24	P	H
	*	5775	92.95	-	-	81.27	32.1	6.51	26.93	100	24	A	H
		5851.8	58.05	-60.05	118.1	46.2	32.31	6.54	27	100	24	P	H
		5866	58.45	-49.27	107.72	46.56	32.36	6.54	27.01	100	24	P	H
		5876.2	52.98	-51.33	104.31	41.06	32.4	6.54	27.02	100	24	P	H
		5931.6	51.49	-16.71	68.2	39.39	32.63	6.54	27.07	100	24	P	H
802.11ac													H
VHT80													H
CH 155		5630.6	51.79	-16.41	68.2	40.41	31.84	6.34	26.8	100	243	P	V
5775MHz		5699.2	57.55	-47.06	104.61	46	32	6.42	26.87	100	243	P	V
		5702	60.76	-45	105.76	49.21	32	6.42	26.87	100	243	P	V
		5723.2	61.13	-56.97	118.1	49.52	32.05	6.45	26.89	100	243	P	V
	*	5775	105.26	-	-	93.58	32.1	6.51	26.93	100	243	P	V
	*	5775	96.55	-	-	84.87	32.1	6.51	26.93	100	243	A	V
		5851	61.87	-58.05	119.92	50.03	32.3	6.54	27	100	243	P	V
		5856.6	60.91	-49.44	110.35	49.04	32.33	6.54	27	100	243	P	V
		5876	56.37	-48.09	104.46	44.45	32.4	6.54	27.02	100	243	P	V
		5928.2	51.84	-16.36	68.2	39.76	32.61	6.54	27.07	100	243	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		11550	46.41	-27.59	74	51.81	39.95	10.47	55.82	100	0	P	H
		17325	48.57	-19.63	68.2	51.59	40.33	13.14	56.49	100	0	P	H
													H
													H
		11550	47.76	-26.24	74	53.16	39.95	10.47	55.82	100	0	P	V
		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 VHT20 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
5GHz 802.11ac VHT20 LF		122.15	27.64	-15.86	43.5	41.22	17.59	0.98	32.15	-	-	P	H
		236.61	31.03	-14.97	46	45.06	16.81	1.35	32.19	-	-	P	H
		473.29	38.4	-7.6	46	45.29	23.52	1.87	32.28	100	0	P	H
		551.86	37.43	-8.57	46	42.26	25.58	1.99	32.4	-	-	P	H
		720.64	35.61	-10.39	46	37.89	27.09	2.33	31.7	-	-	P	H
		953.44	32.37	-13.63	46	29.99	30.64	2.7	30.96	-	-	P	H
													H
													H
													H
													H
													H
													H
		32.91	26.35	-13.65	40	34.84	23.25	0.5	32.24	-	-	P	V
		91.11	26.63	-16.87	43.5	42.95	15.04	0.79	32.15	-	-	P	V
		120.21	36.8	-6.7	43.5	50.42	17.56	0.97	32.15	100	0	P	V
		473.29	31.35	-14.65	46	38.24	23.52	1.87	32.28	-	-	P	V
		910.76	32.78	-13.22	46	32.77	28.82	2.68	31.49	-	-	P	V
		950.53	33.26	-12.74	46	31.02	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.												

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.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(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 :**	21.5~23.5°C
		Relative Humidity :	49.5~55.5%

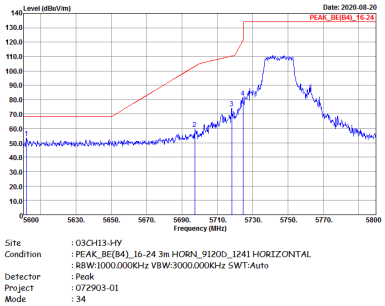
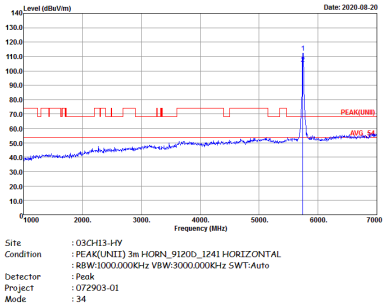
Note symbol

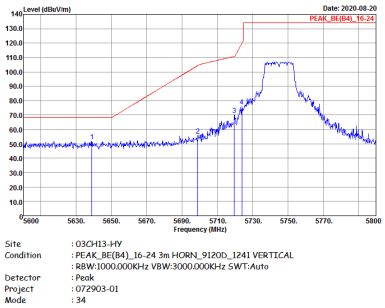
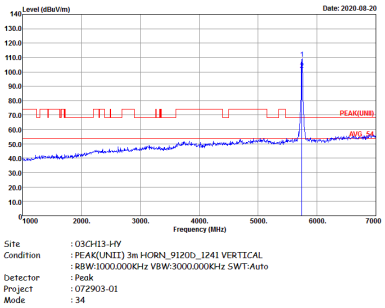
-L	**Low channel location**
-R	**High channel location**

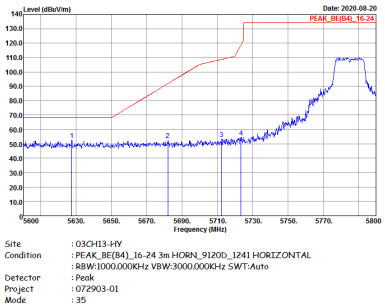
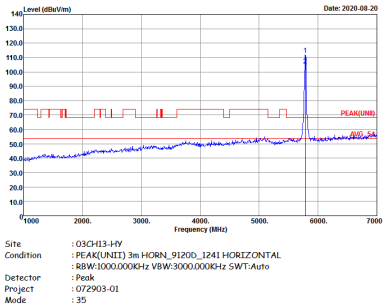
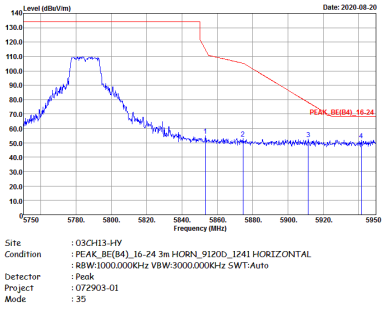
<CDD Mode>

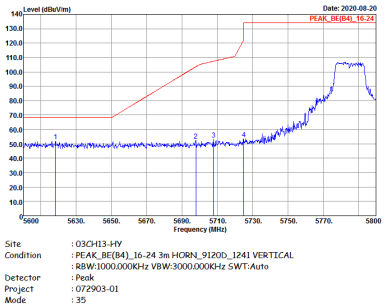
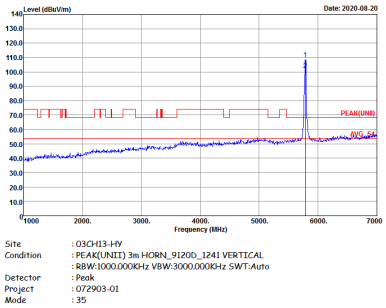
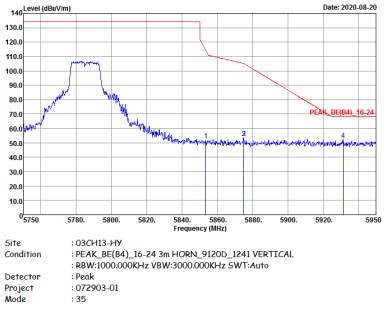
Band 4 - 5725~5850MHz

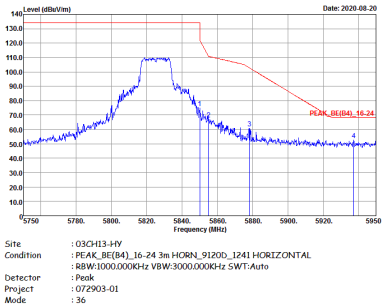
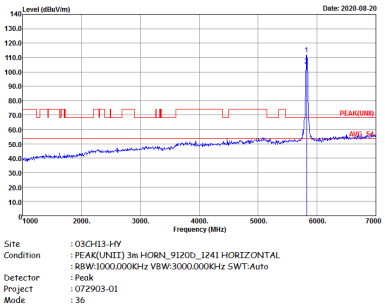
WIFI 802.11a (Band Edge @ 3m)

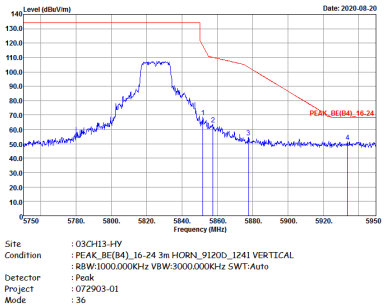
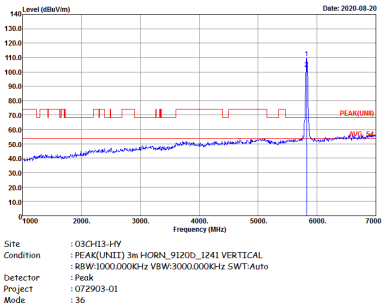
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

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

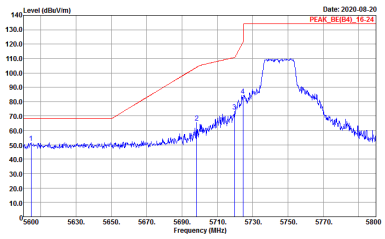
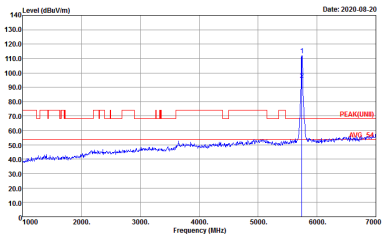
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

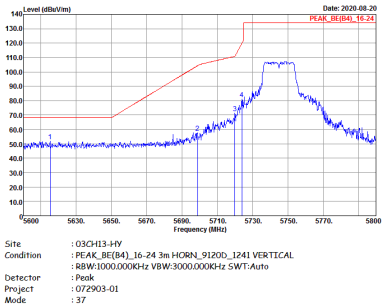
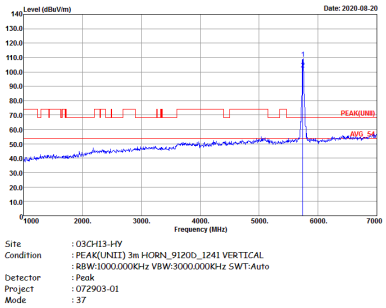
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

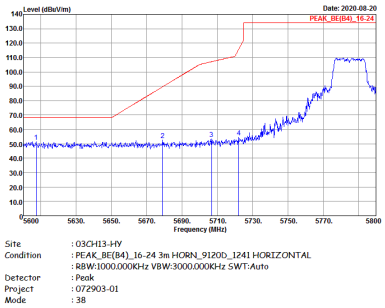
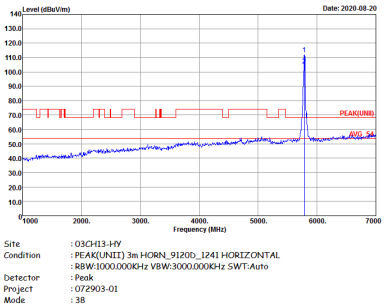
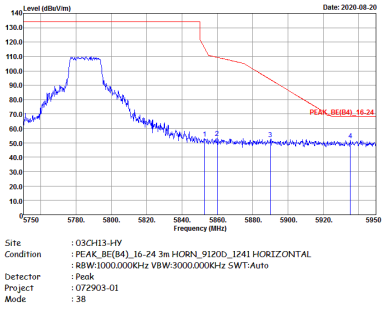
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

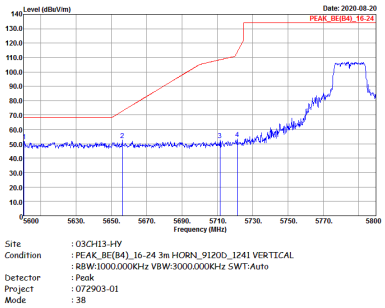
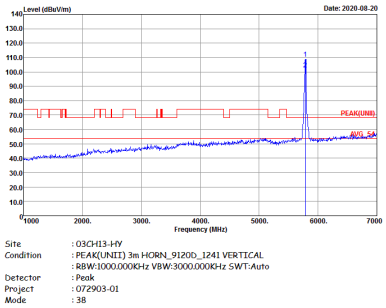
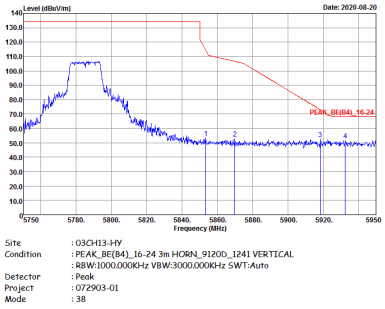
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak		

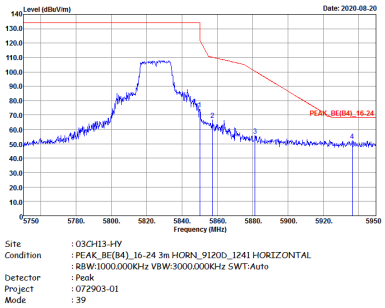
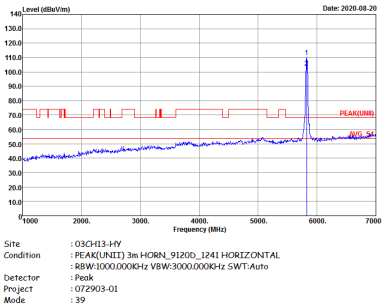
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

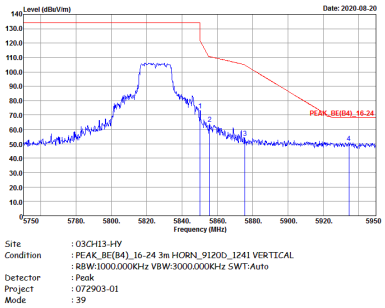
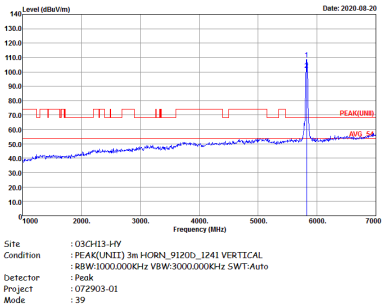
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 37	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 37

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

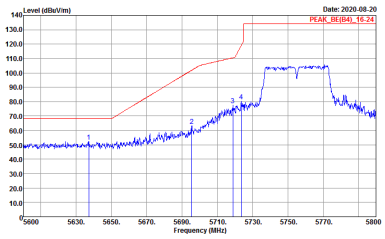
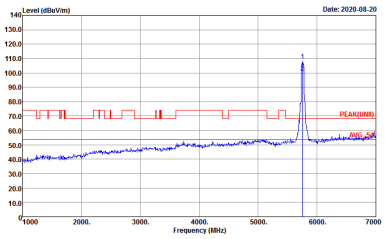
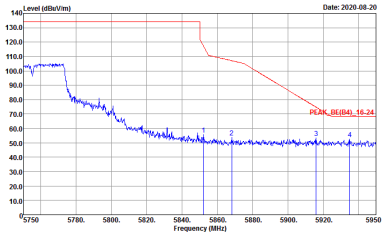
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

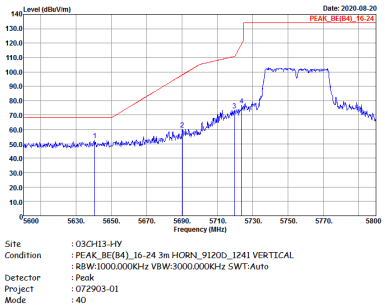
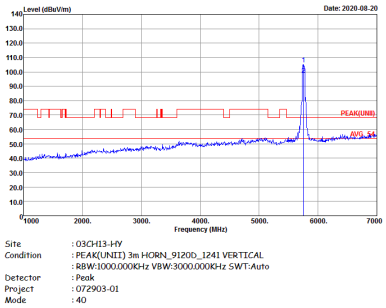
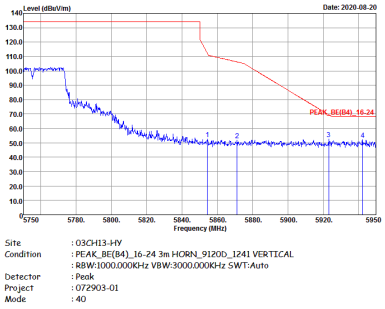
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

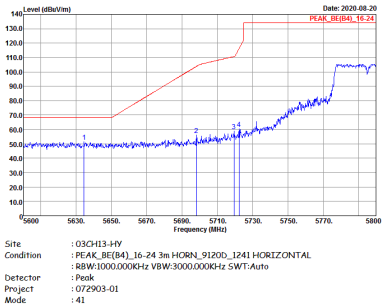
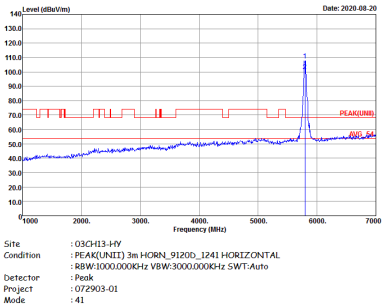
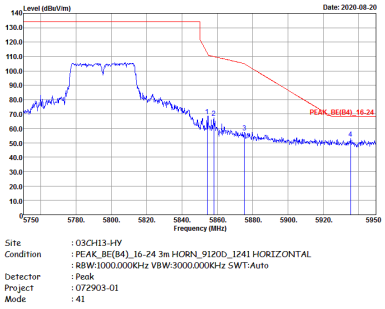
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

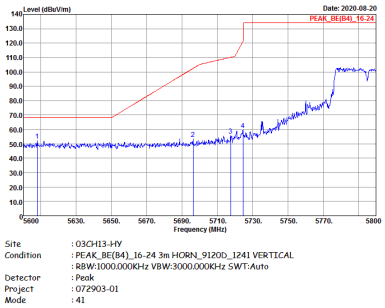
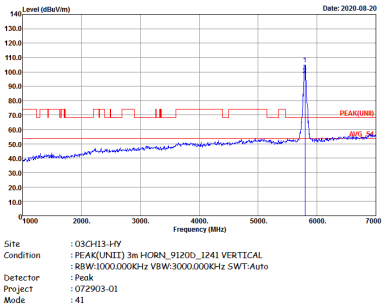
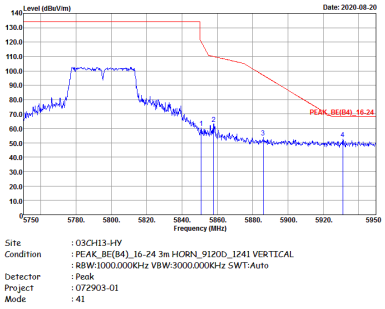
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak		

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

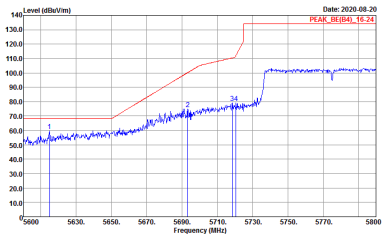
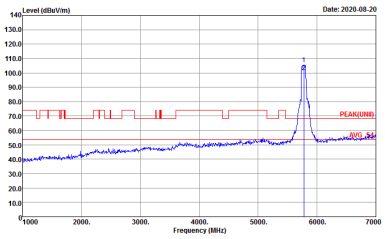
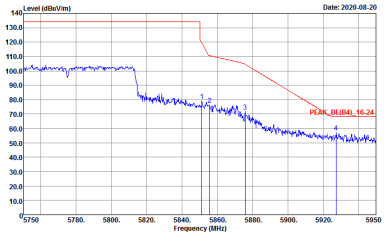
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 40	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 40
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 40	Left blank

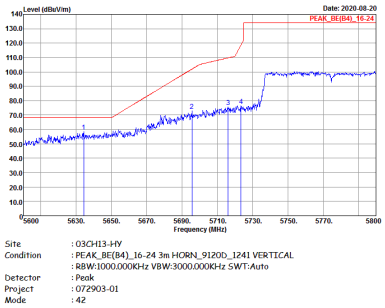
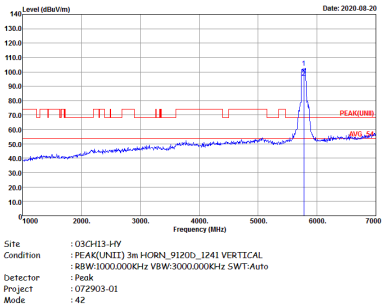
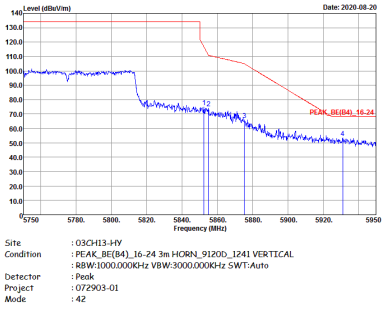
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

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

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

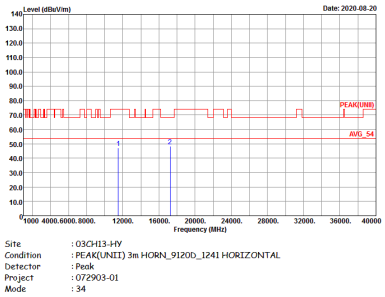
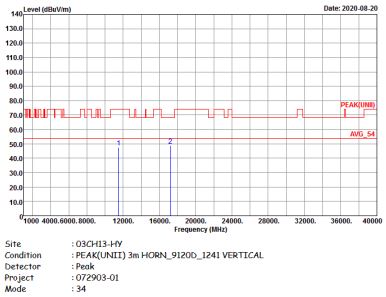
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

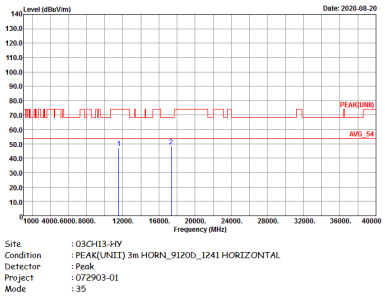
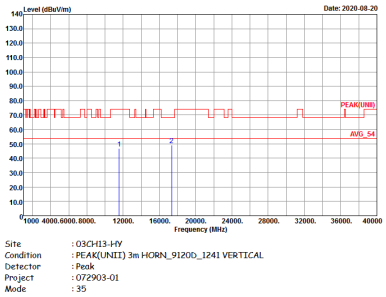
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 42	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 42
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 : 072903-01 Mode : 42	Left blank

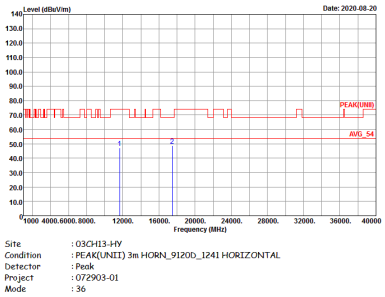
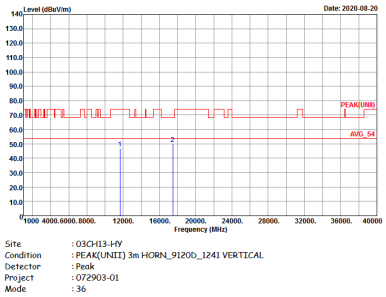
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

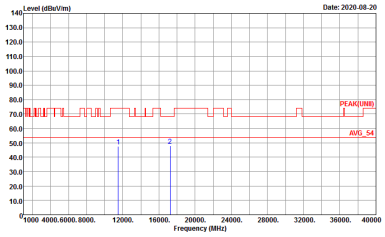
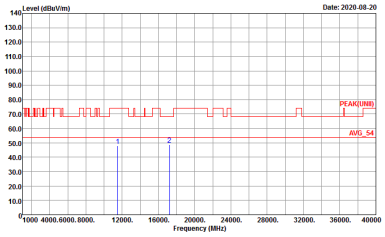
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

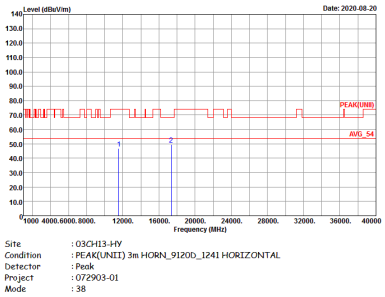
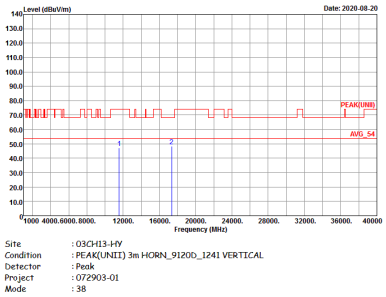
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 35	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 35

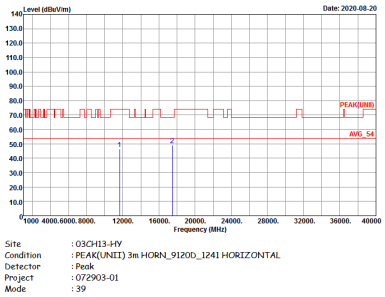
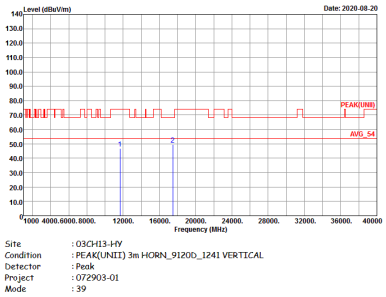
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

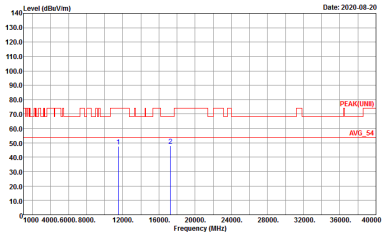
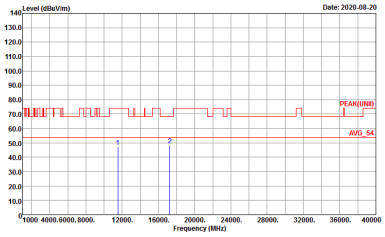
WIFI 802.11n HT20 (Harmonic @ 3m)

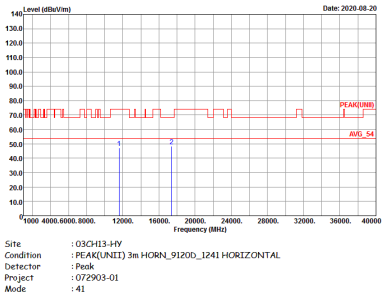
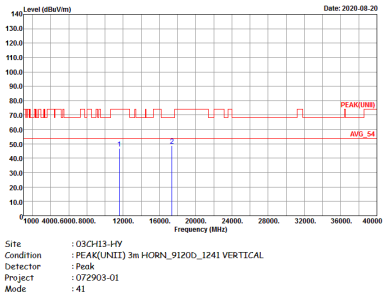
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 37	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 37

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

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

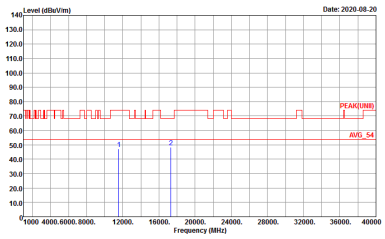
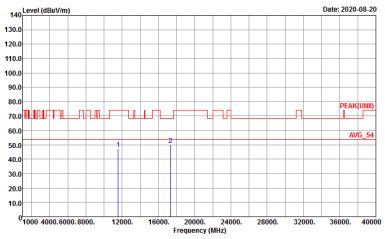
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 40	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 40

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

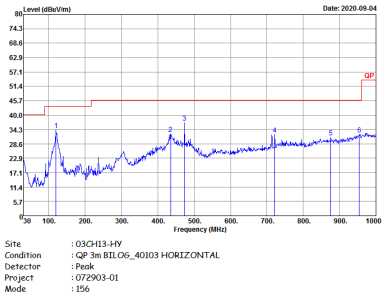
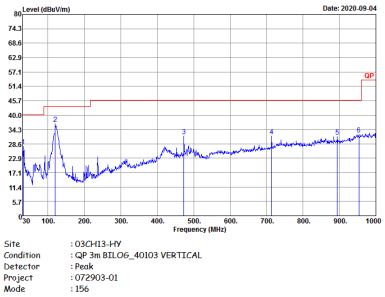
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 42	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 42

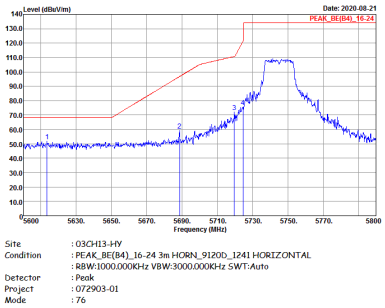
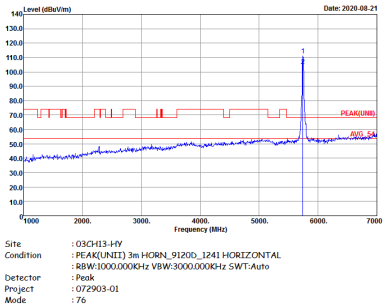
Emission below 1GHz

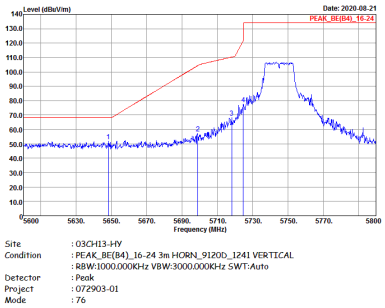
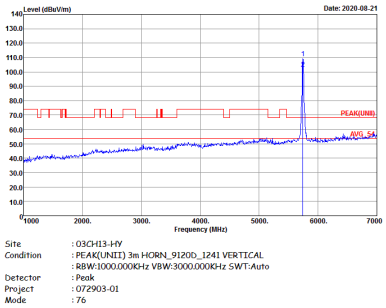
5GHz WIFI 802.11ac VHT80 (LF)

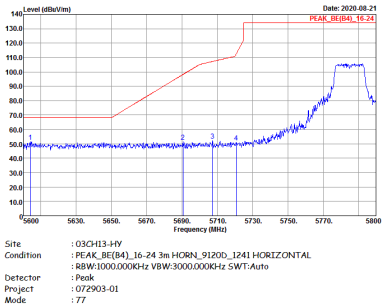
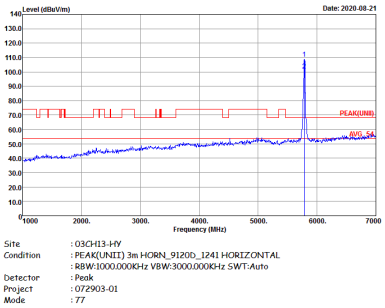
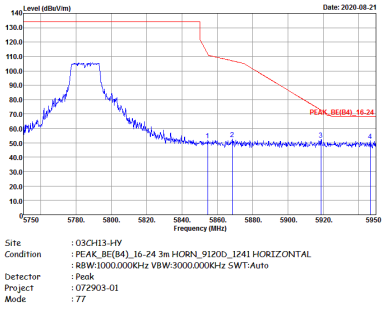
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak		

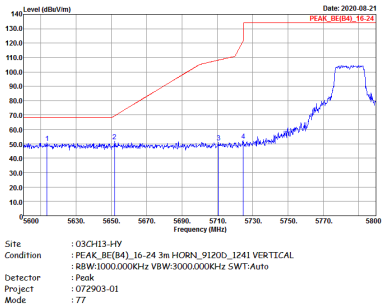
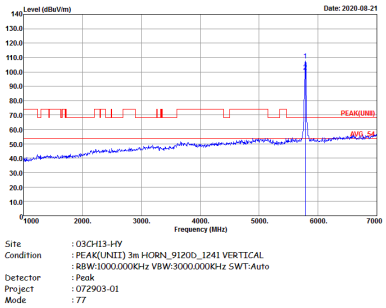
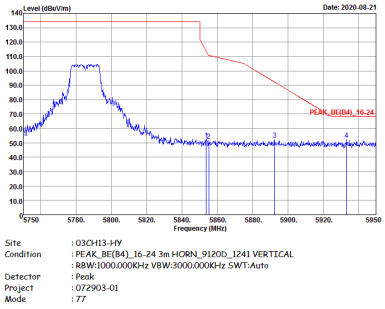
Band 4 - 5725~5850MHz

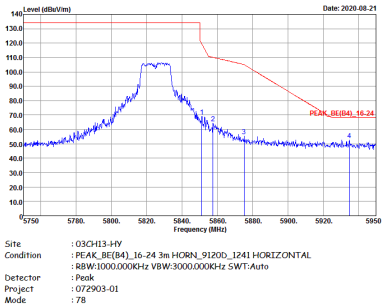
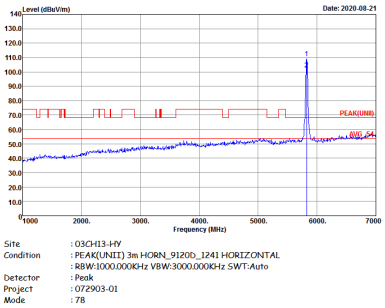
WIFI 802.11a (Band Edge @ 3m)

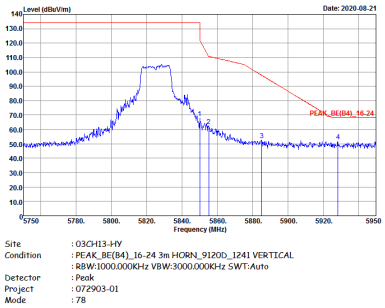
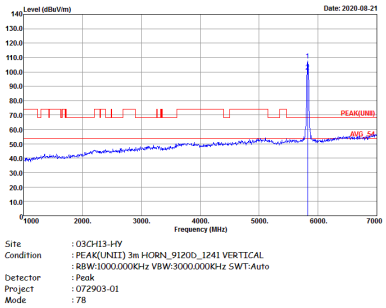
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

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

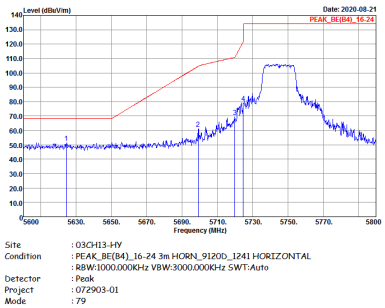
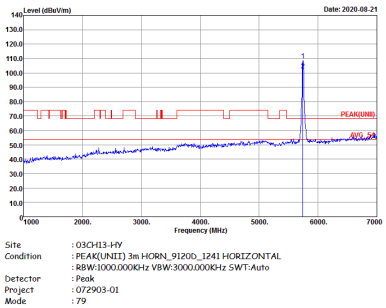
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

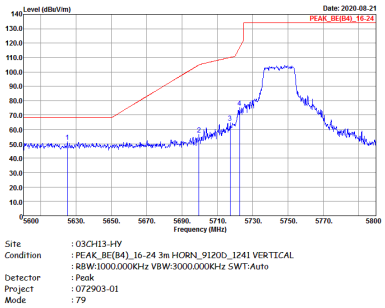
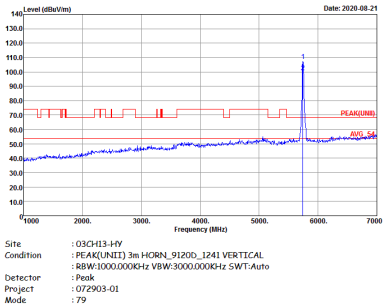
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak		
Peak		Left blank

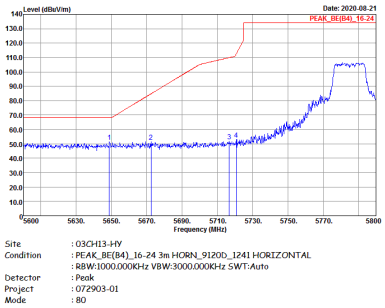
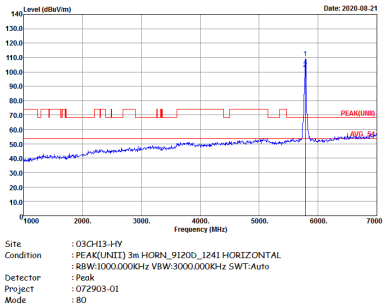
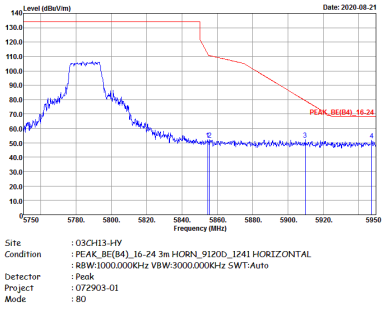
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

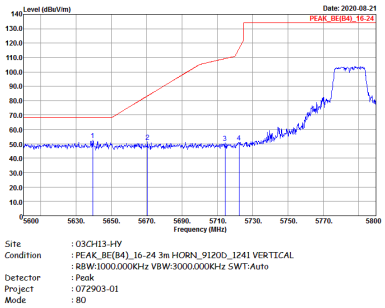
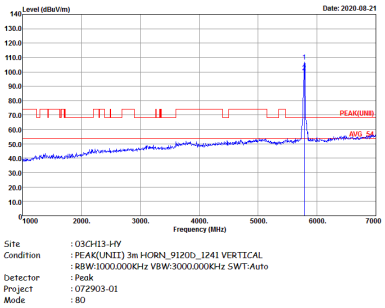
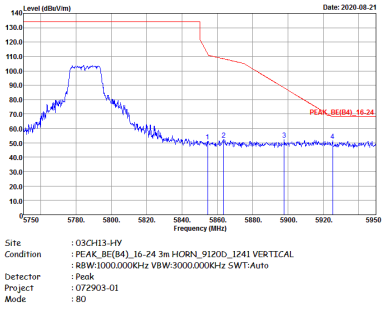
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Vertical	Fundamental
Peak		

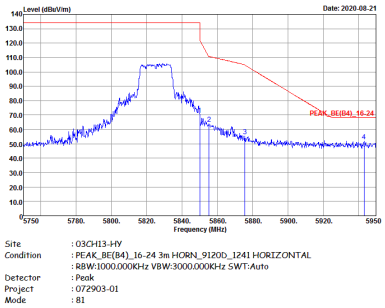
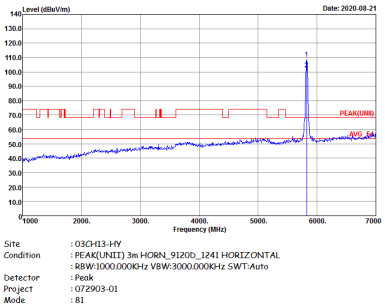
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

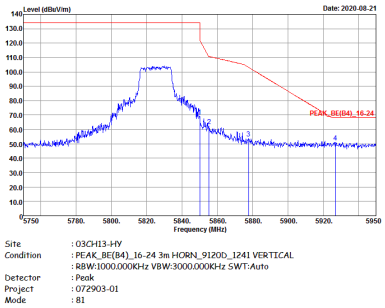
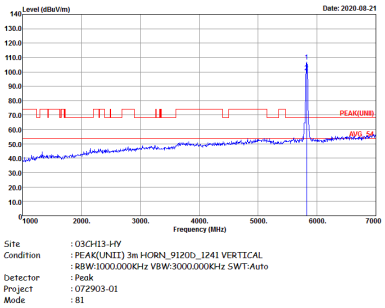
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

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

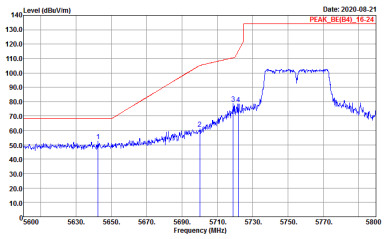
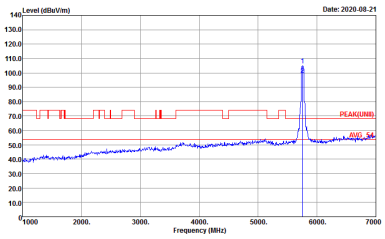
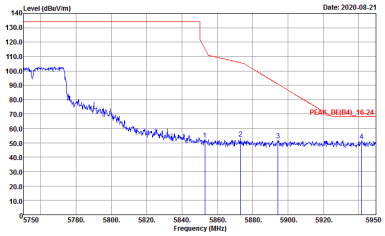
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

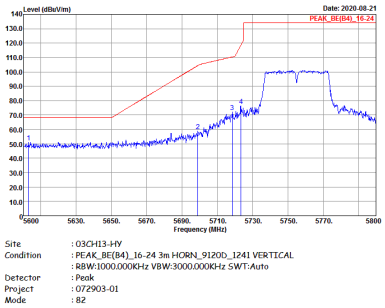
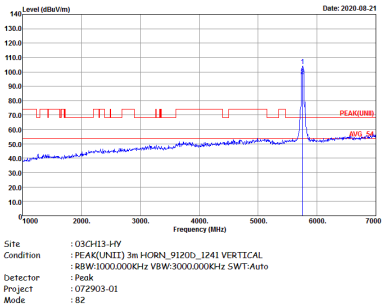
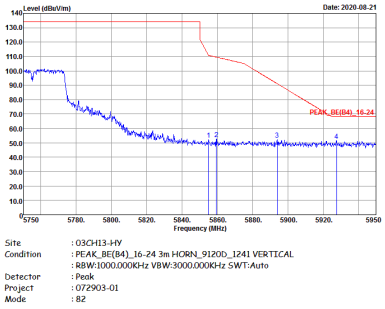
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Vertical	Fundamental
Peak		
Peak		Left blank

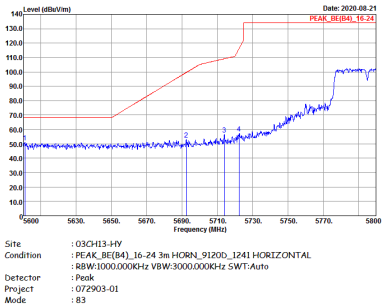
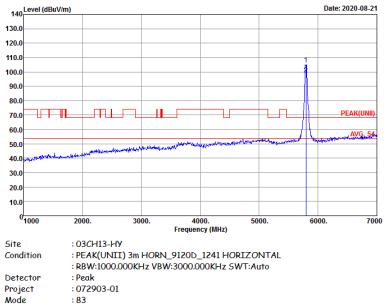
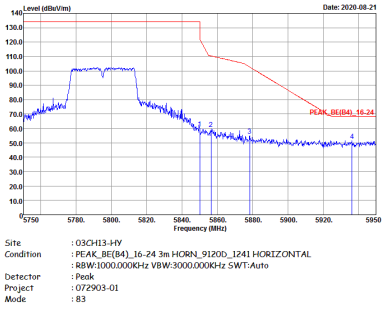
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

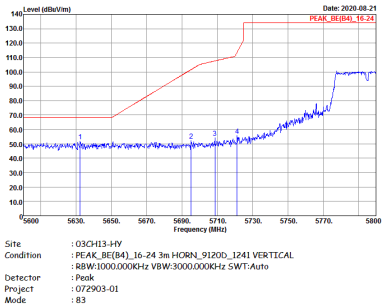
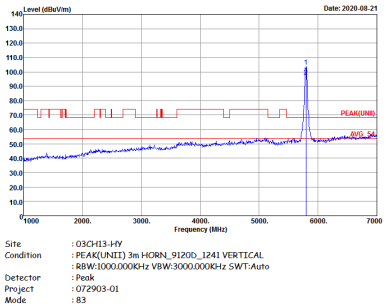
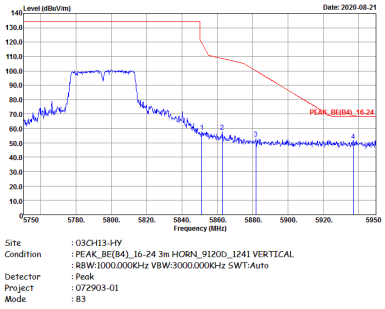
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Vertical	Fundamental
Peak		

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

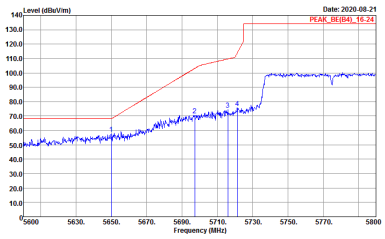
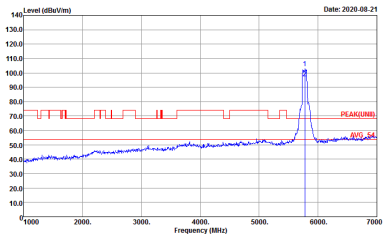
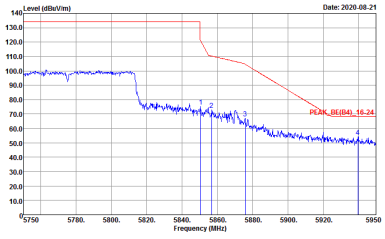
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : B2	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : B2
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : B2	Left blank

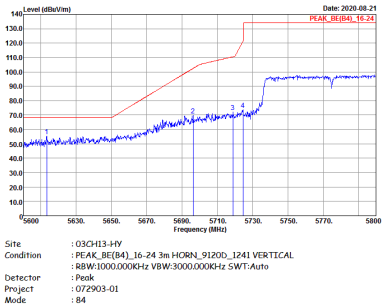
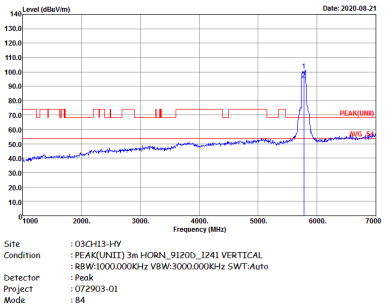
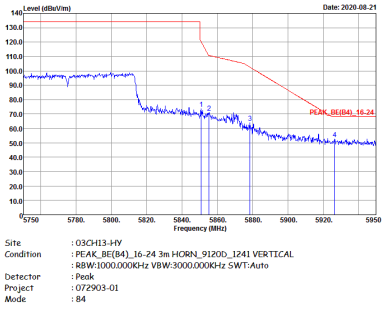
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Vertical	Fundamental
Peak		
Peak		Left blank

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

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

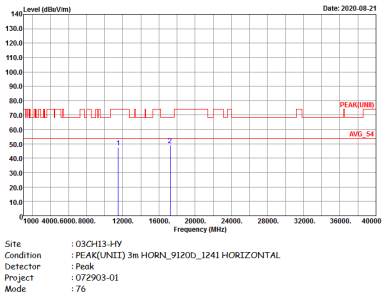
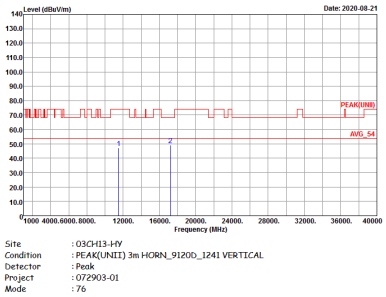
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

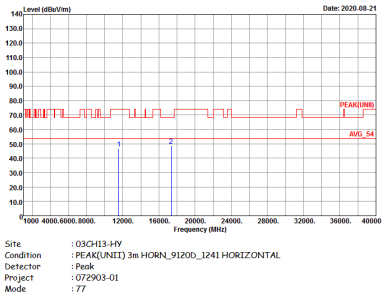
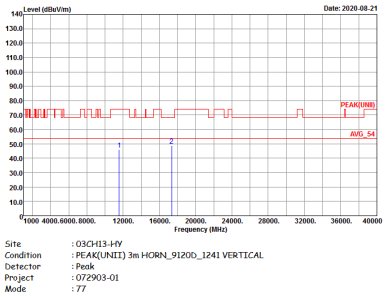
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

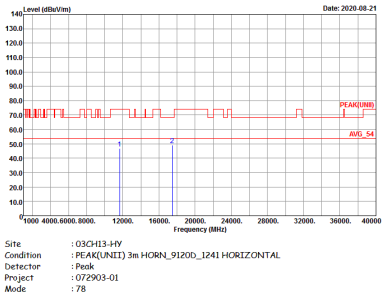
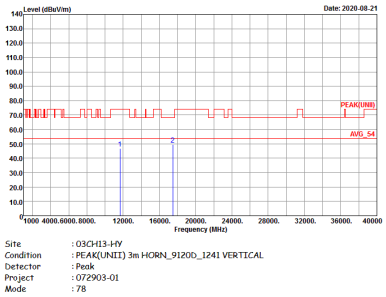
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

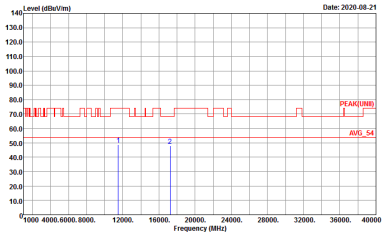
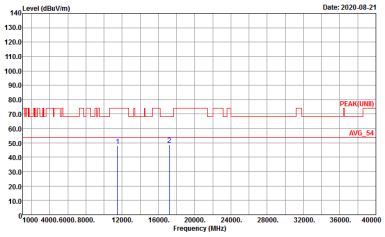
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

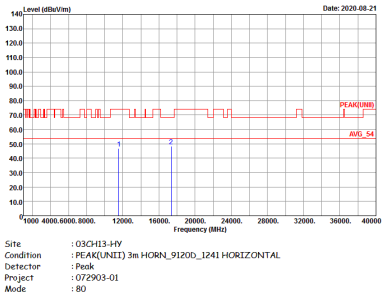
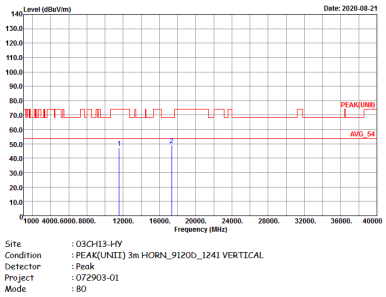
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 77	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 77

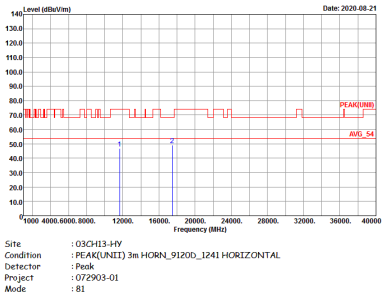
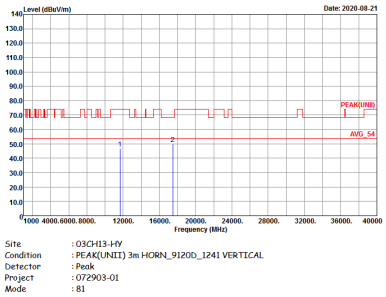
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

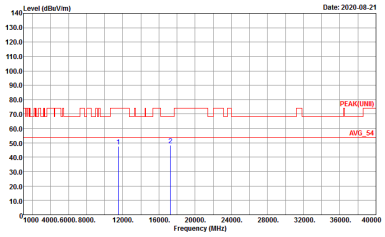
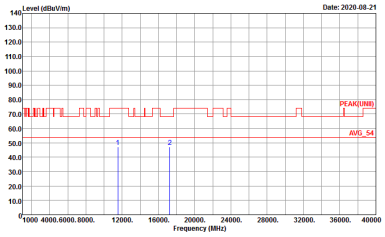
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 79	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 79

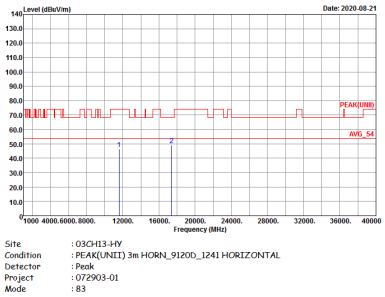
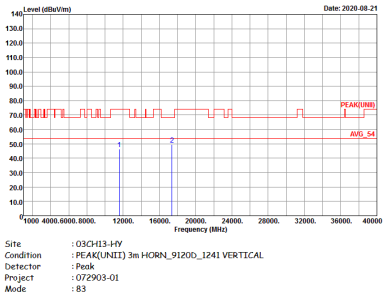
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.		

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

Band 4 5725~5850MHz

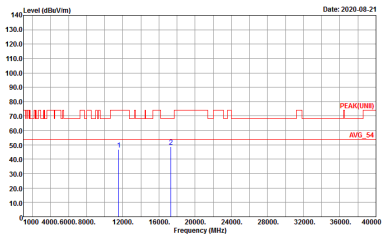
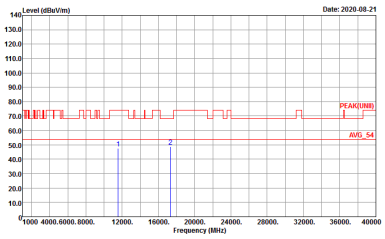
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 82	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 82

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

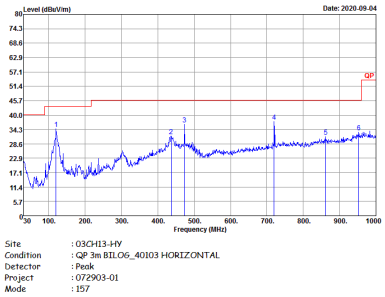
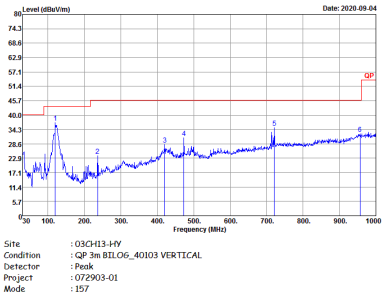
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 84	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 84

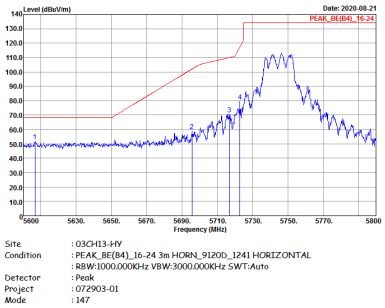
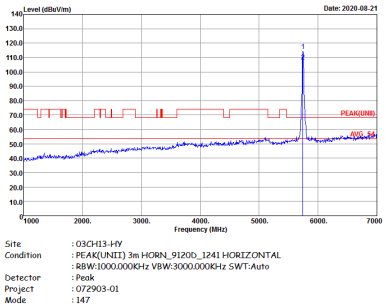
Emission below 1GHz

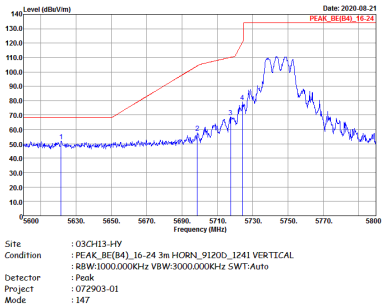
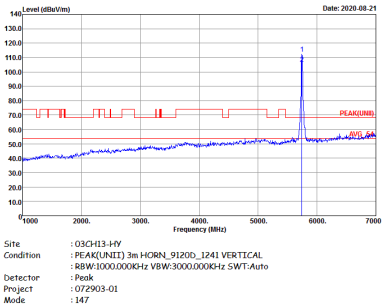
5GHz WIFI 802.11ac VHT80 (LF)

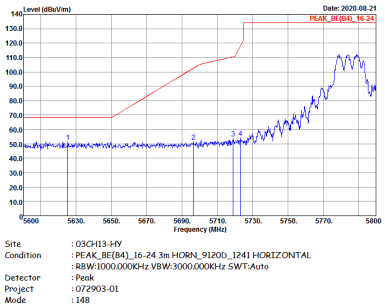
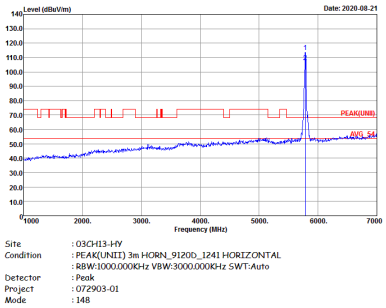
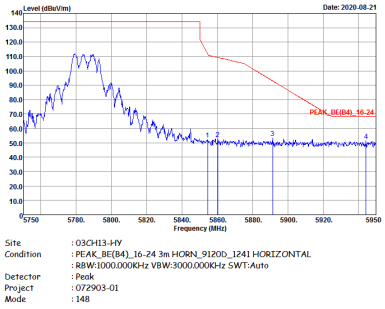
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
2	Horizontal	Vertical
QP / Peak		

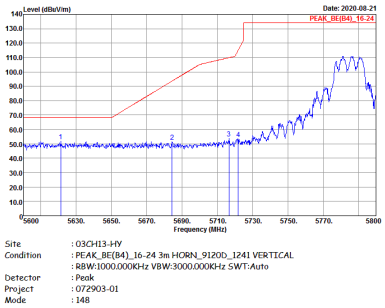
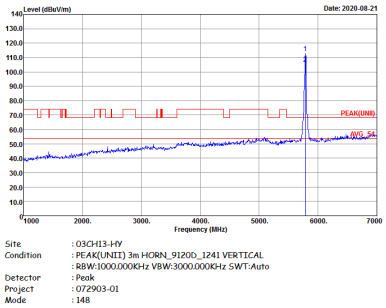
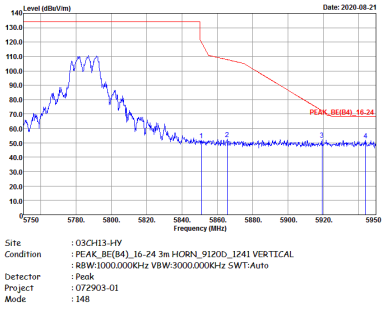
Band 4 - 5725~5850MHz

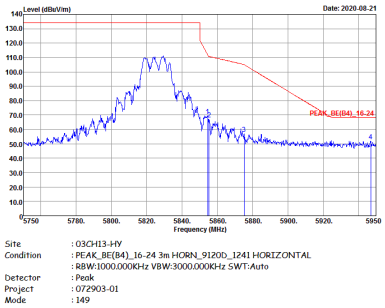
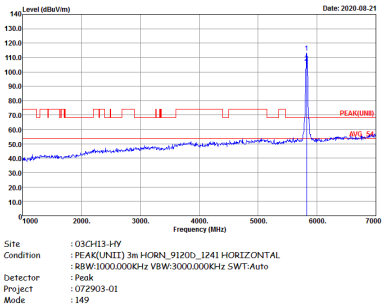
WIFI 802.11a (Band Edge @ 3m)

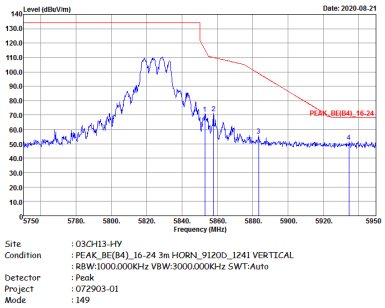
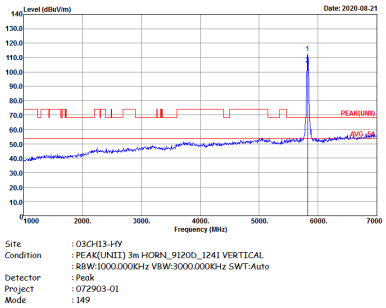
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

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

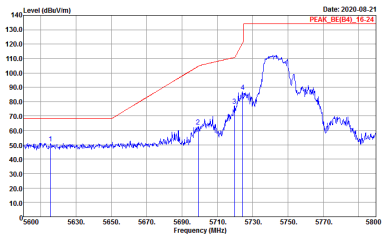
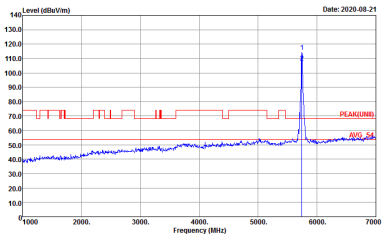
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

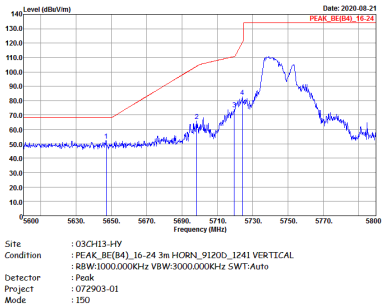
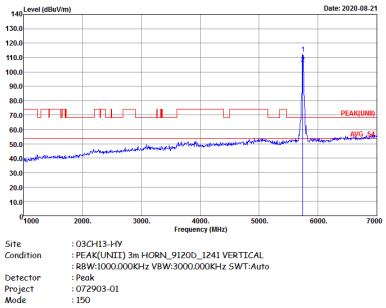
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

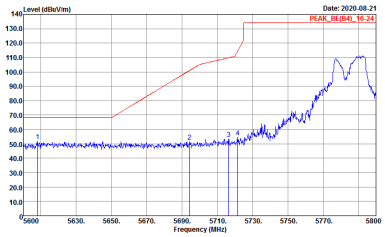
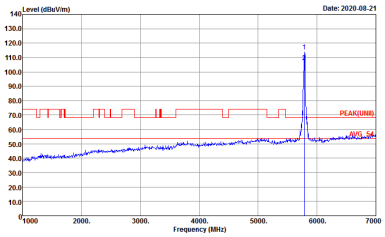
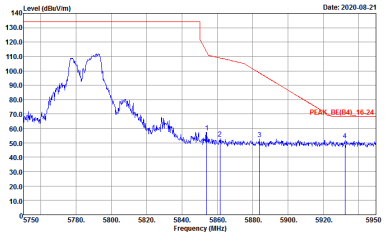
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

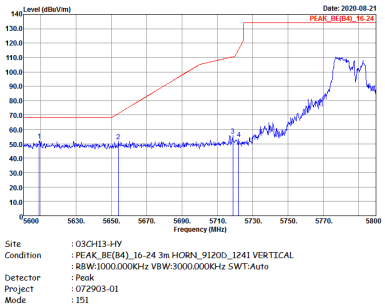
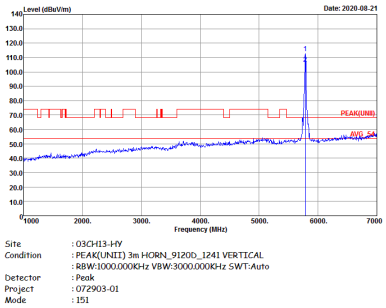
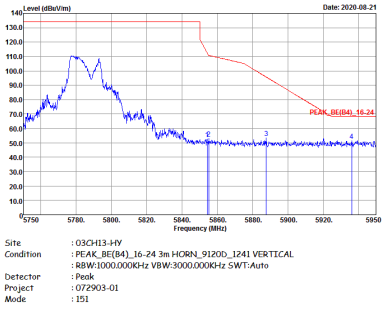
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

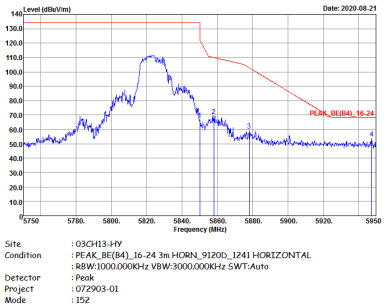
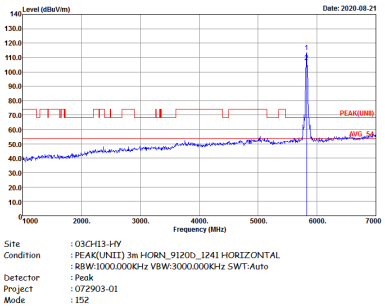
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

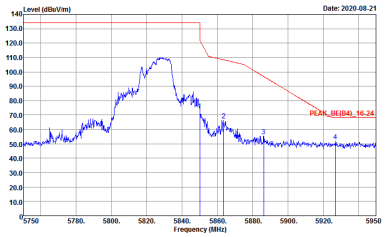
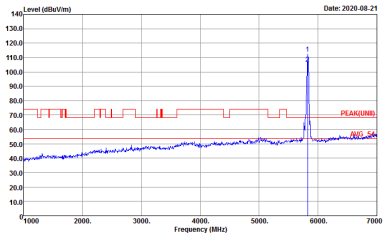
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 150	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 150

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

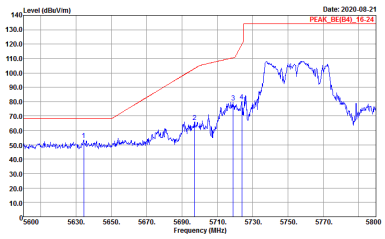
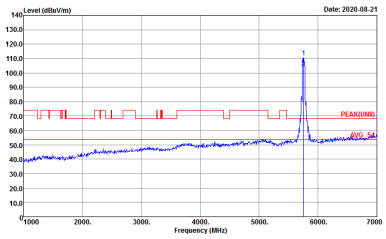
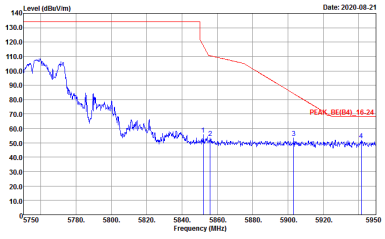
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 151	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 151
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 : 072903-01 Mode : 151	Left blank

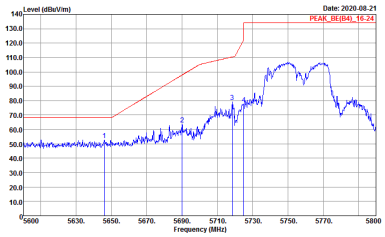
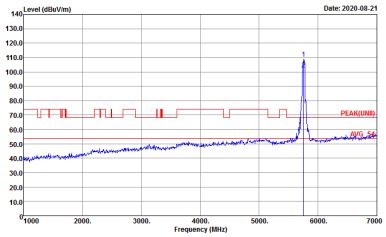
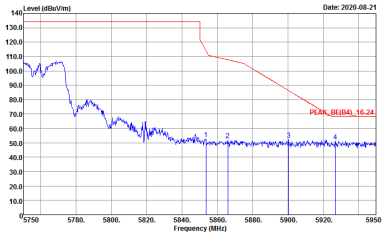
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

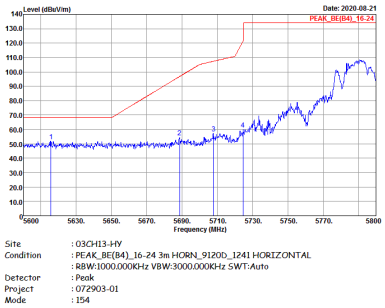
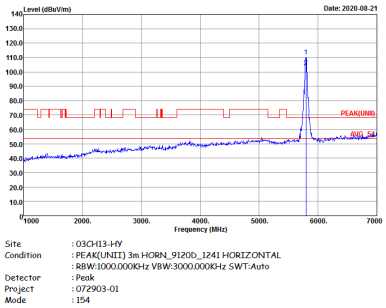
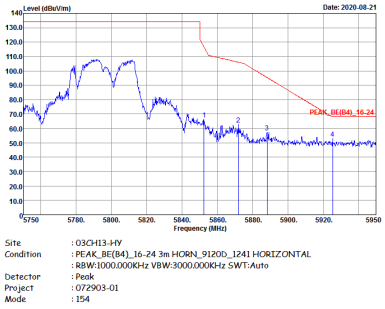
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

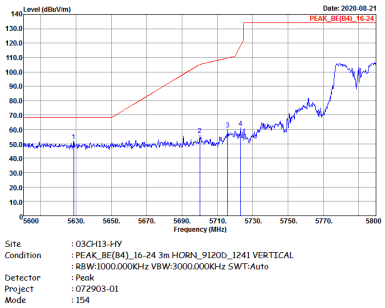
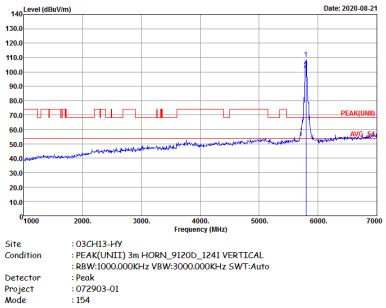
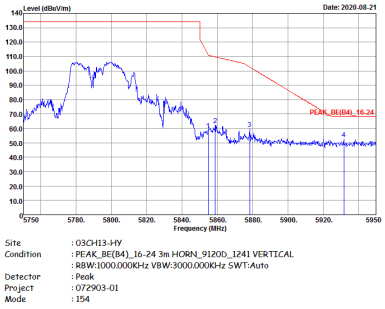
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 152	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 152

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

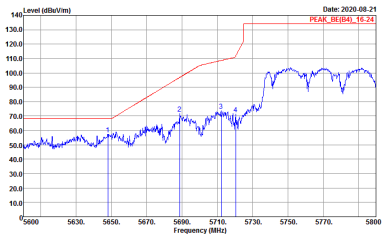
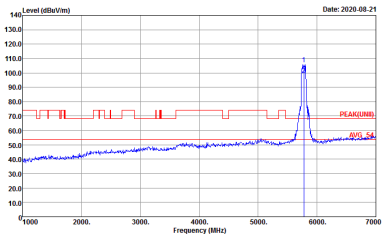
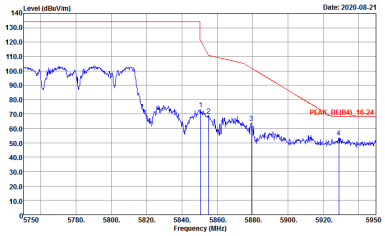
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

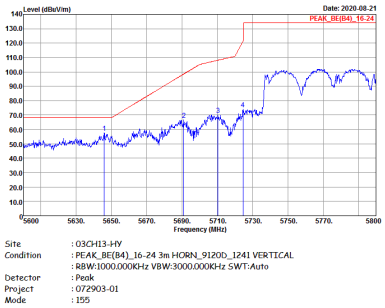
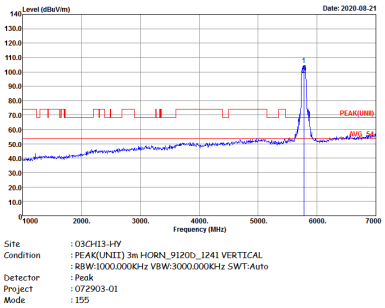
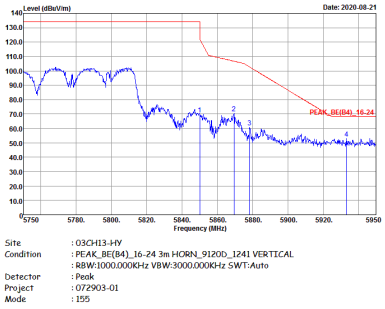
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 153	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 153
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 : 072903-01 Mode : 153	Left blank

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

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

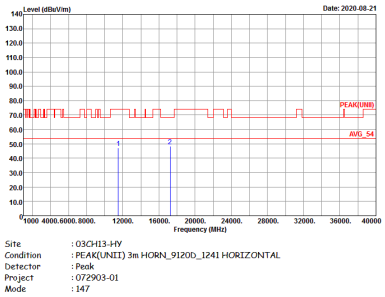
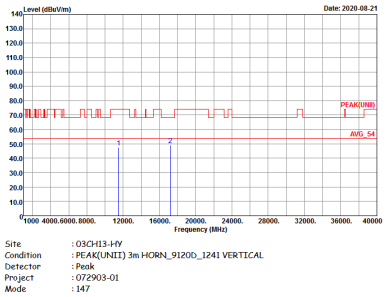
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

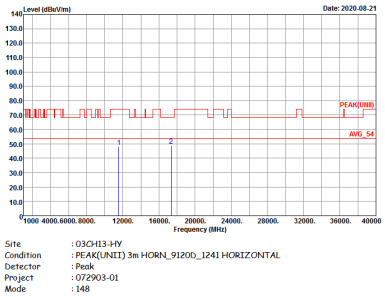
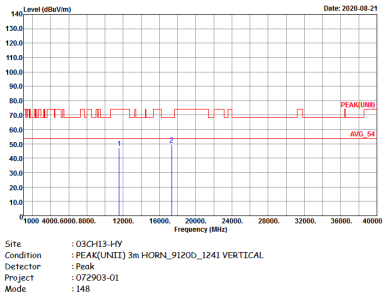
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 155	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 155
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 : 072903-01 Mode : 155	Left blank

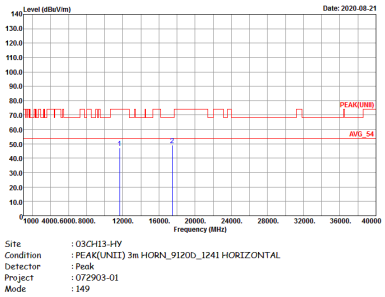
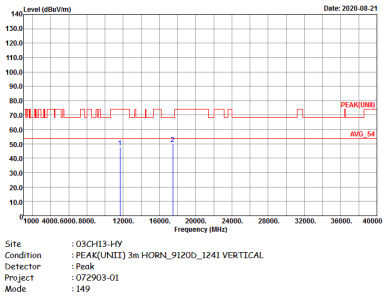
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

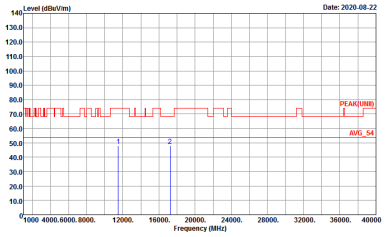
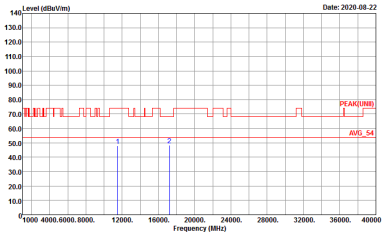
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

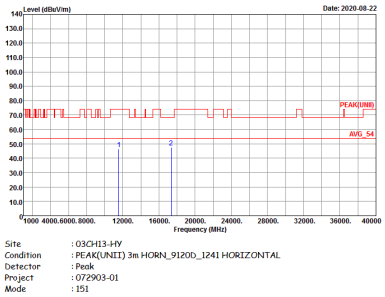
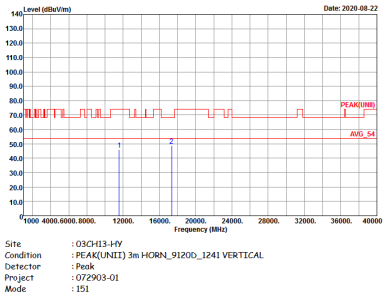
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 148	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 148

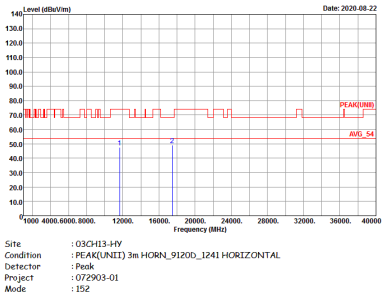
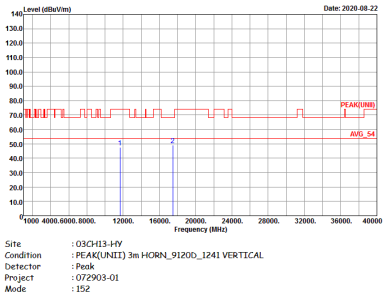
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

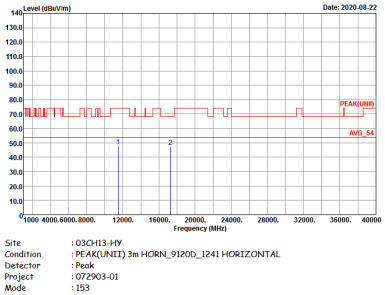
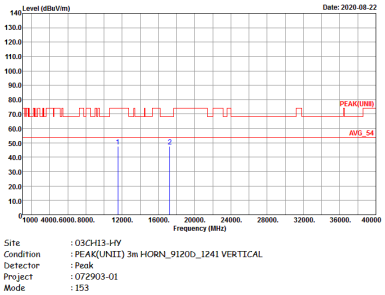
WIFI 802.11n HT20 (Harmonic @ 3m)

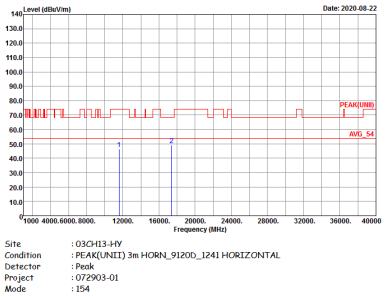
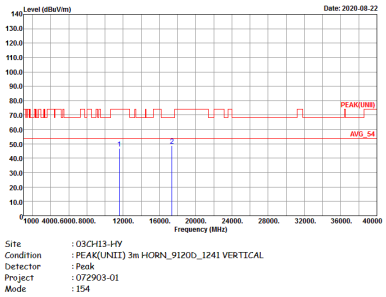
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 150	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 150

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 152	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 152

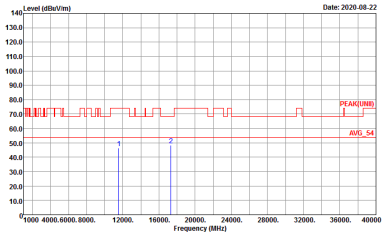
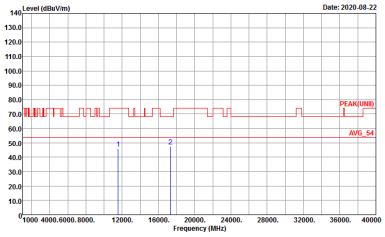
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

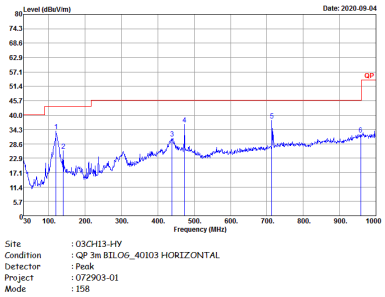
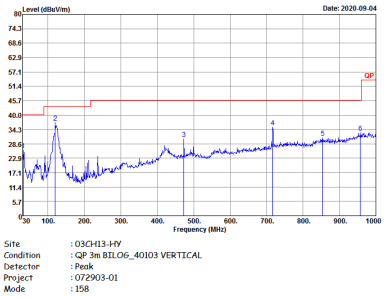
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 072903-01 Mode : 155	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 072903-01 Mode : 155

Emission below 1GHz

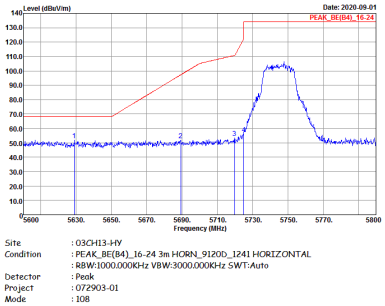
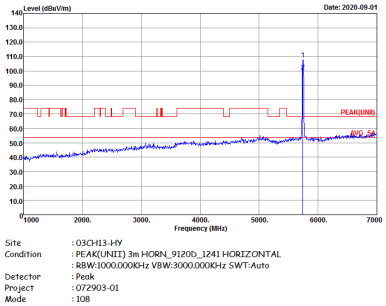
5GHz WIFI 802.11ac VHT80 (LF)

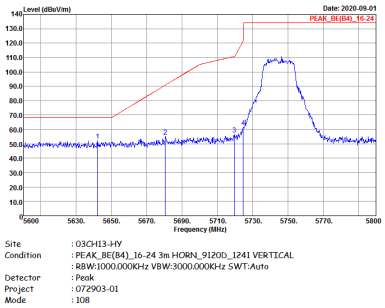
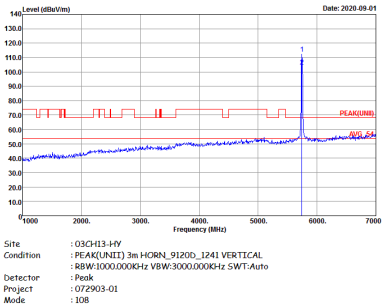
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak		

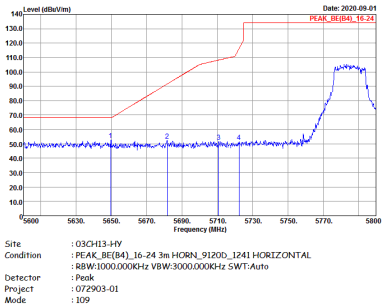
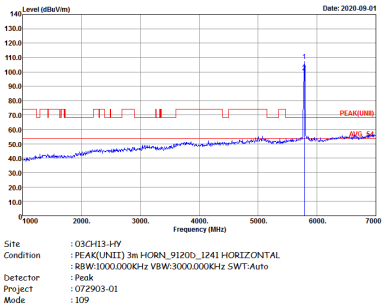
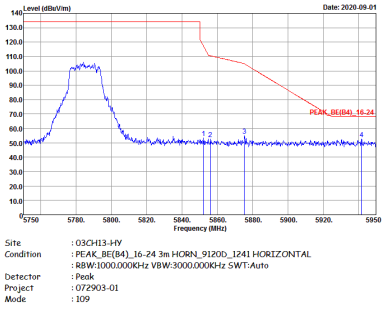
<TXBF Mode>

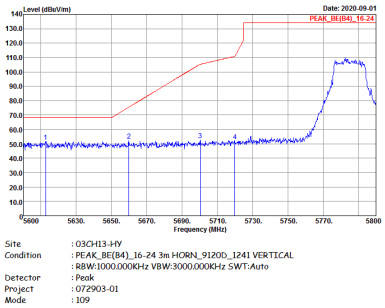
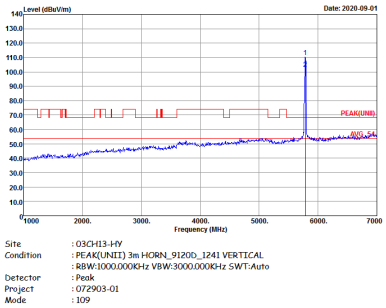
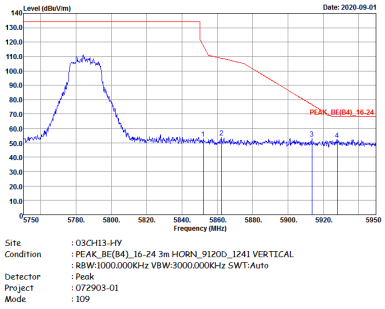
Band 4 - 5725~5850MHz

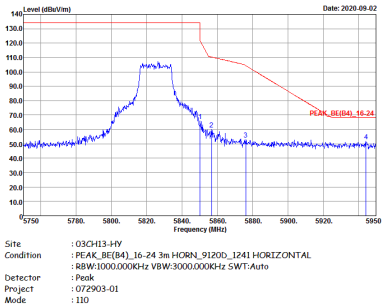
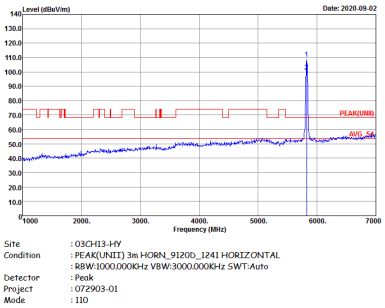
WIFI 802.11ac VHT20 (Band Edge @ 3m)

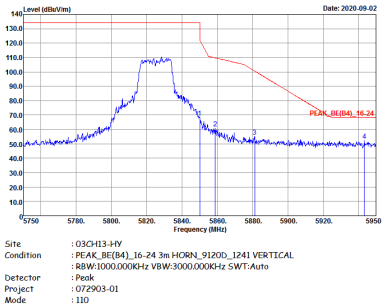
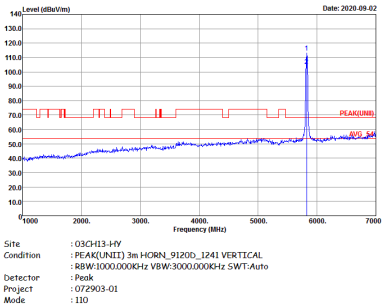
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak Avg.	 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 : 072903-01 Mode : 108	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 108

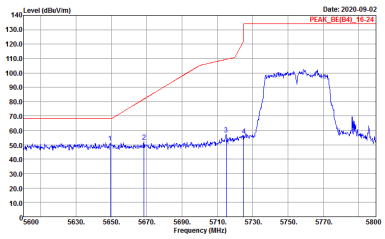
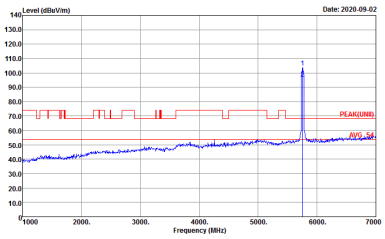
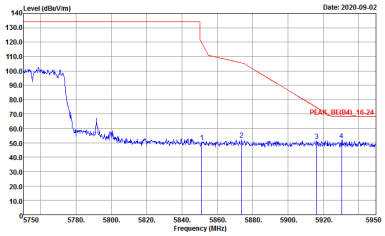
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

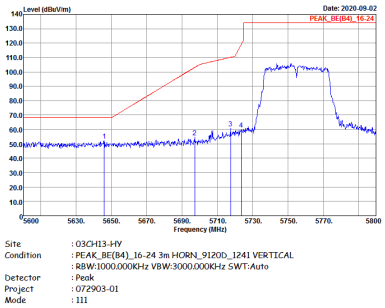
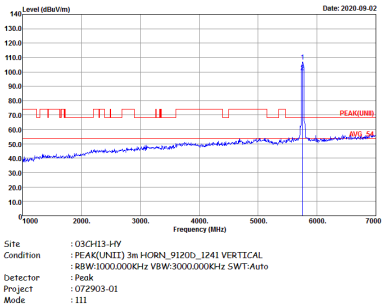
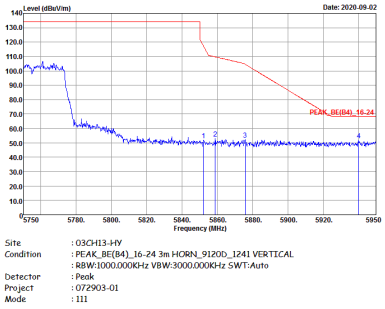
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

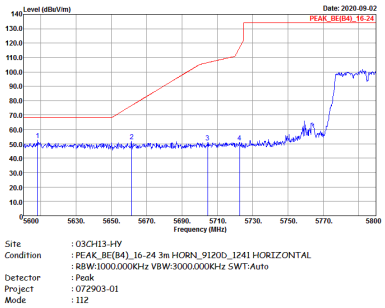
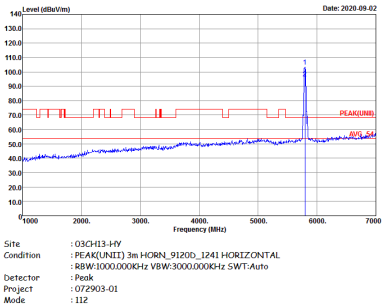
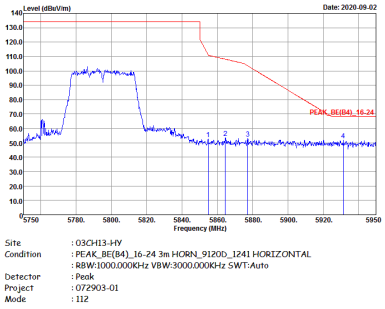
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

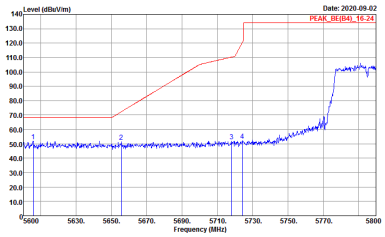
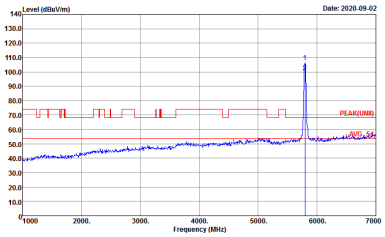
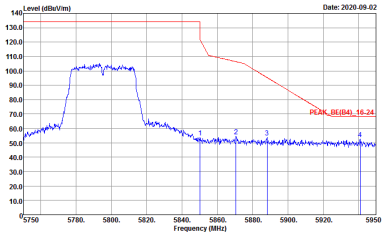
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak Avg.		

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

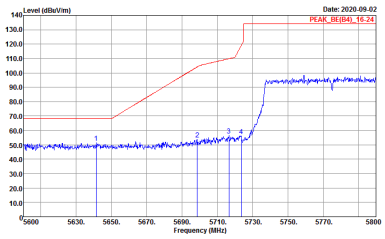
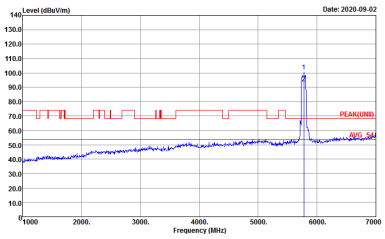
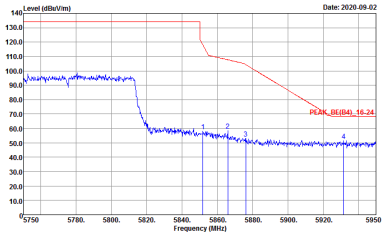
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 111	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 111
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 : 072903-01 Mode : 111	Left blank

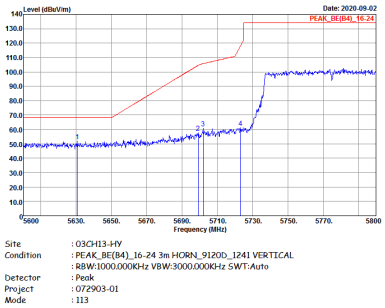
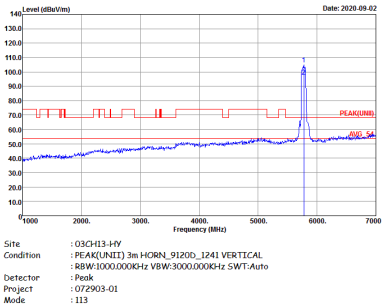
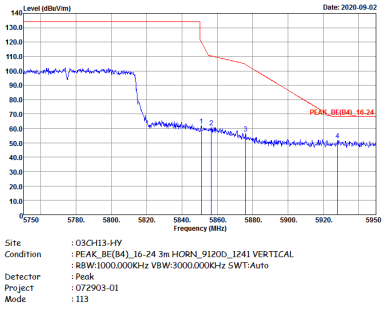
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

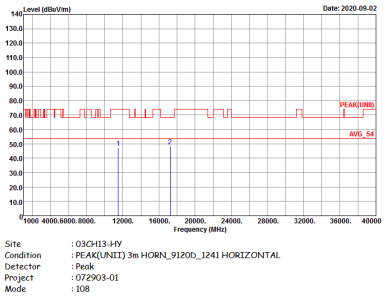
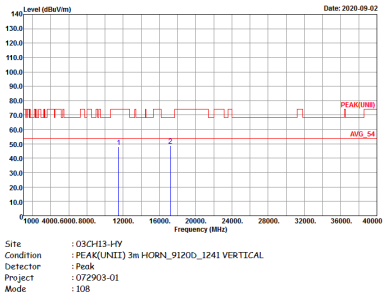
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 112	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 112
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 : 072903-01 Mode : 112	Left blank

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 113	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 113
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 072903-01 Mode : 113	Left blank

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

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.