



FCC RADIO TEST REPORT

FCC ID : 2A8B7TURBOXC865C
Equipment : Smart Module
Brand Name : TurboX
Model Name : C865C
Applicant : Multinarity Ltd.
112 Yigal Alon 3rd Floor, TEL AVIV, 6789150, Israel
Standard : FCC Part 15 Subpart E §15.407

The product was received on Sep. 14, 2022 and testing was performed from Sep. 26, 2022 to Nov. 07, 2022. We, Sporton International Inc. Wensan 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 partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR290812E	01	Initial issue of report	Dec. 22, 2022
FR290812E	02	Revise Appendix C, Appendix D and Appendix E	Jan. 27, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.403(i)	6dB & 26dB Bandwidth	-	See Note
-	2.1049	99% Occupied Bandwidth	-	See Note
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
-	15.407(a)	Power Spectral Density	-	See Note
3.2	15.407(b)	Unwanted Emissions	Pass	6.91 dB under the limit at 746.830 MHz
3.3	15.207	AC Conducted Emission	Pass	10.21 dB under the limit at 0.157 MHz
3.4	15.203	Antenna Requirement	Pass	-

Note: The module (Model: C865C) makes no difference after verifying output power, this report reuses test data from the module report.

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sheng Kuo

Report Producer: Ruby Zou



1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Feature		
Installed into Notebook Computer	Brand Name: spacetop	
	Model Name: SPEA001	
Antenna Type	WLAN	
	<Ant. 0>: PIFA Antenna	
	<Ant. 1>: PIFA Antenna	
	Bluetooth: PIFA Antenna	
Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 0: 2.65
		Ant. 1: 1.25

Remark: The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

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

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 k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

As minimum $N_{SS}=1$ is supported by EUT, the formula can be simplified as:

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 0	Ant 1	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	2.65	1.25	2.65	4.99	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT1} = 2.65\text{dBi}$; $G_{ANT2} = 1.25\text{dBi}$

Directional gain of power measurement = $\max(2.65, 1.25) + 0 = 2.65\text{ dBi}$

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{\frac{2.65\text{ dBi}}{20}} + 10^{\frac{1.25\text{ dBi}}{20}} \right]^2 \right\} / 2$$

$$= 4.99\text{ dBi}$$

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, CO07-HY, 03CH20-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

According to the specifications declared by 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported 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 with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "[#]" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The final test modes include the worst data rates for each modulation shown in the table below.

Single Mode

Modulation	Data Rate
802.11a	6 Mbps

MIMO Mode

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Earphone + Hard Disk + AR glasses

<Ant. 1>

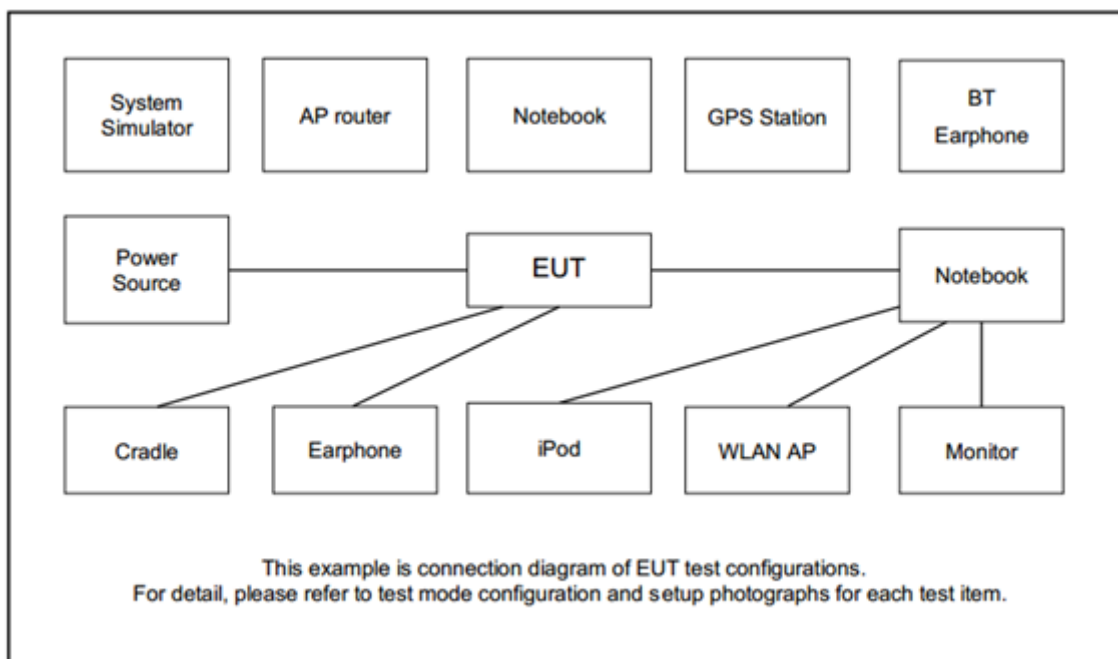
Ch. #		Band IV : 5725-5850 MHz
		802.11a
L	Low	149
M	Middle	157
H	High	165

MIMO <Ant. 0+1>

Ch. #		Band IV : 5725-5850 MHz			
		802.11n HT20	802.11n HT40	802.11ax HE20	802.11ax HE80
L	Low	149	151	149	-
M	Middle	157	-	-	155
H	High	165	159	165	-

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Kinyo	BTE-3622	N/A	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	N/A	N/A	Unshielded,1.8m
3.	Notebook	Dell	P79G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Latitude5310	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Earphone + Mic	Samsung	Ecouteur	N/A	Unshielded 1.8m	N/A
6.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
7.	Hard Disk	ADATA	HV620S-1T	N/A	Unshielded 1.2m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QRCT 4.0.00197.0" 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.

3 Test Result

3.1 Maximum Conducted Output Power Measurement

3.1.1 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.

3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

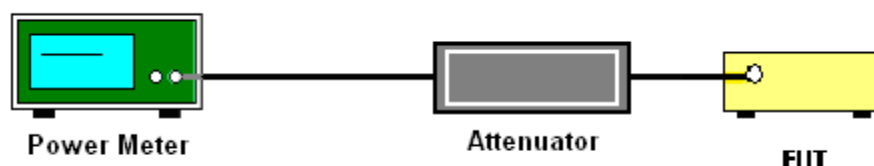
3.1.3 Test Procedures

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

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

3.2.1 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 falls in restricted bands shall comply with the general field strength limits as below table,

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

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

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

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

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

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

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

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 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 1000 MHz

- 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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

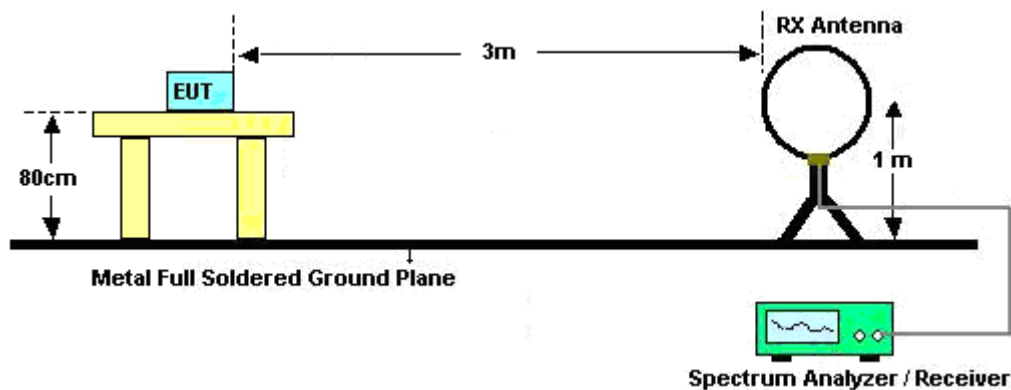
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq$ 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.

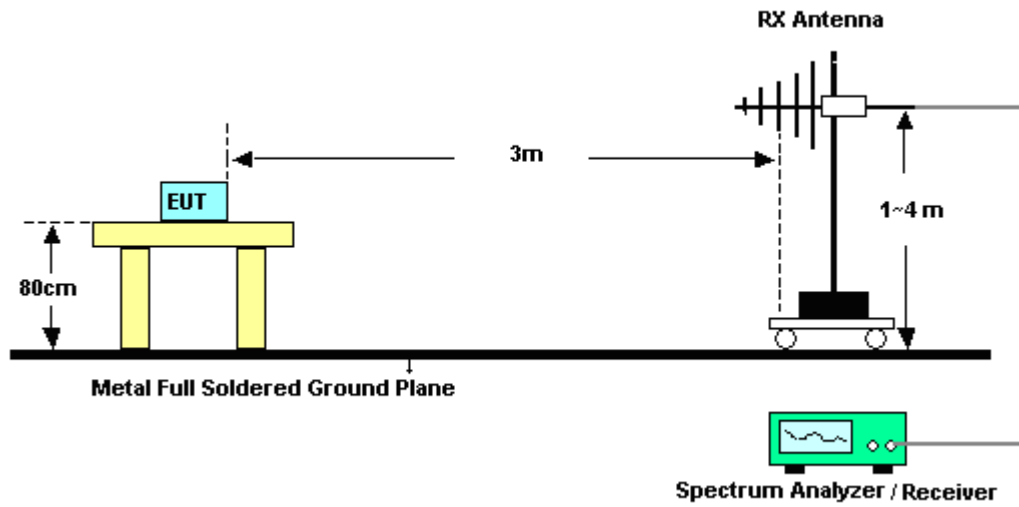
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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 is 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. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“.

3.2.4 Test Setup

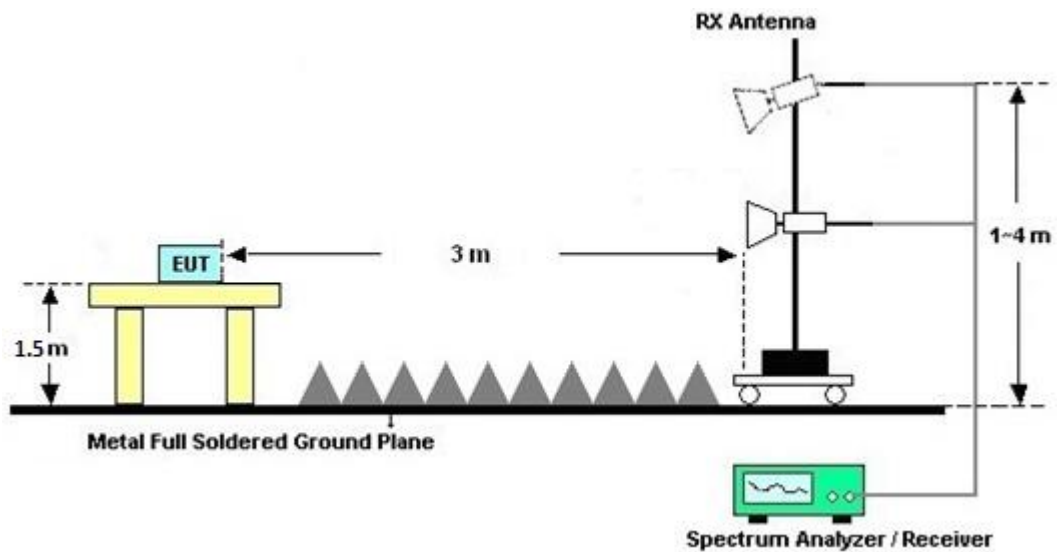
For radiated emissions below 30MHz



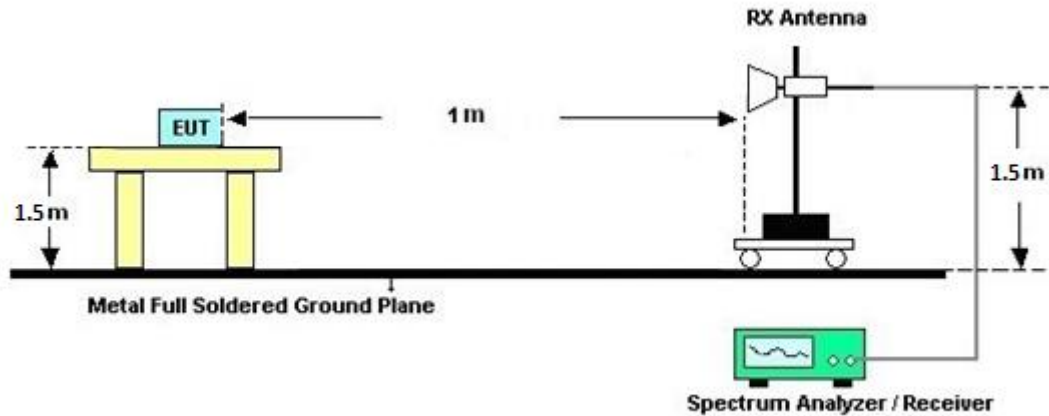
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.2.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement 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.

3.2.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.2.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.3 AC Conducted Emission Measurement

3.3.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

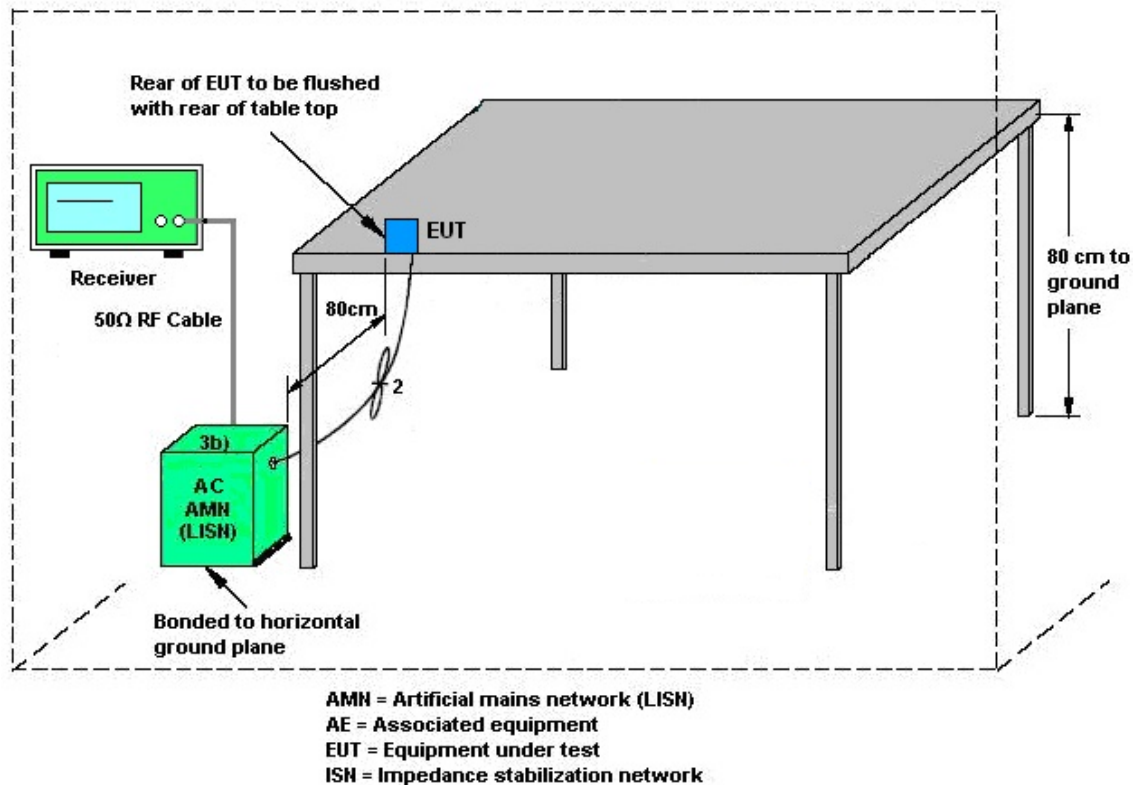
3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.3.4 Test Setup



3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.4 Antenna Requirements

3.4.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.4.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A	MY59053012	10Hz~44GHz	Nov. 18, 2021	Oct. 09, 2022~ Nov. 04, 2022	Nov. 17, 2022	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz~1000MHz	Jan. 03, 2022	Oct. 09, 2022~ Nov. 04, 2022	Jan. 02, 2023	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 15, 2021	Oct. 09, 2022~ Nov. 04, 2022	Nov. 14, 2022	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Oct. 09, 2022~ Nov. 04, 2022	Jun. 27, 2023	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 07, 2022	Oct. 09, 2022~ Nov. 04, 2022	Jan. 06, 2023	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	54682 & AT-N0603	30MHz~1GHz	Sep. 18, 2022	Oct. 09, 2022~ Nov. 04, 2022	Sep. 17, 2023	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02360	1GHz~18GHz	Nov. 02, 2021	Oct. 09, 2022~ Oct. 31, 2022	Nov. 01, 2022	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Aug. 09, 2022	Oct. 31, 2022~ Nov. 04, 2022	Aug. 08, 2023	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00994	18GHz~40GHz	Nov. 04, 2021	Oct. 09, 2022~ Nov. 02, 2022	Nov. 03, 2022	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 30, 2021	Nov. 02, 2022~ Nov. 04, 2022	Nov. 29, 2022	Radiation (03CH20-HY)
Hygrometer	TECEPIL	DTM-303B	TP200879	N/A	Mar. 22, 2022	Oct. 09, 2022~ Nov. 04, 2022	Mar. 21, 2023	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 19, 2022	Oct. 09, 2022~ Nov. 04, 2022	Jan. 18, 2023	Radiation (03CH20-HY)
Software	Audix	E3 6.2009-8-24	RK-002156	N/A	N/A	Oct. 09, 2022~ Nov. 04, 2022	N/A	Radiation (03CH20-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Oct. 09, 2022~ Nov. 04, 2022	N/A	Radiation (03CH20-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Oct. 09, 2022~ Nov. 04, 2022	N/A	Radiation (03CH20-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 09, 2022~ Nov. 04, 2022	N/A	Radiation (03CH20-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Sep. 26, 2022	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 26, 2022	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	9561-FN00373	9kHz-200MHz	Oct. 29, 2021	Sep. 26, 2022	Oct. 28, 2022	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 16, 2022	Sep. 26, 2022	Mar. 15, 2023	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 16, 2022	Sep. 26, 2022	Feb. 15, 2023	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2021	Sep. 26, 2022	Oct. 20, 2022	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Nov. 07, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Nov. 07, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz	Aug. 03, 2022	Nov. 07, 2022	Aug. 02, 2023	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 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2022/11/7	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	149	5745	9.70	14.70		30.00	30.00	2.65	1.25	Pass
11a	6Mbps	1	157	5785	9.60	14.80		30.00	30.00	2.65	1.25	Pass
11a	6Mbps	1	165	5825	9.90	14.70		30.00	30.00	2.65	1.25	Pass

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HT20	MCS0	2	149	5745	9.70	9.10	12.42	30.00		2.65		Pass
HT20	MCS0	2	157	5785	9.80	8.30	12.12	30.00		2.65		Pass
HT20	MCS0	2	165	5825	9.60	7.50	11.69	30.00		2.65		Pass
HT40	MCS0	2	151	5755	9.90	9.10	12.53	30.00		2.65		Pass
HT40	MCS0	2	159	5795	9.70	8.10	11.98	30.00		2.65		Pass
VHT20	MCS0	2	149	5745	9.80	9.10	12.47	30.00		2.65		Pass
VHT20	MCS0	2	157	5785	9.80	8.30	12.12	30.00		2.65		Pass
VHT20	MCS0	2	165	5825	9.60	7.60	11.72	30.00		2.65		Pass
VHT40	MCS0	2	151	5755	9.50	8.70	12.13	30.00		2.65		Pass
VHT40	MCS0	2	159	5795	9.70	8.20	12.02	30.00		2.65		Pass
VHT80	MCS0	2	155	5775	9.70	8.50	12.15	30.00		2.65		Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	9.90	9.20	12.57	30.00		2.65		Pass
HE20	MCS0	2	149	5745	26/0	8.80	7.60	11.25	30.00		2.65		Pass
HE20	MCS0	2	157	5785	Full	9.90	8.50	12.27	30.00		2.65		Pass
HE20	MCS0	2	165	5825	Full	9.80	7.70	11.89	30.00		2.65		Pass
HE20	MCS0	2	165	5825	26/8	7.80	6.70	10.30	30.00		2.65		Pass
HE40	MCS0	2	151	5755	Full	9.90	9.00	12.48	30.00		2.65		Pass
HE40	MCS0	2	159	5795	Full	9.90	8.50	12.27	30.00		2.65		Pass
HE80	MCS0	2	155	5775	Full	9.90	8.60	12.31	30.00		2.65		Pass



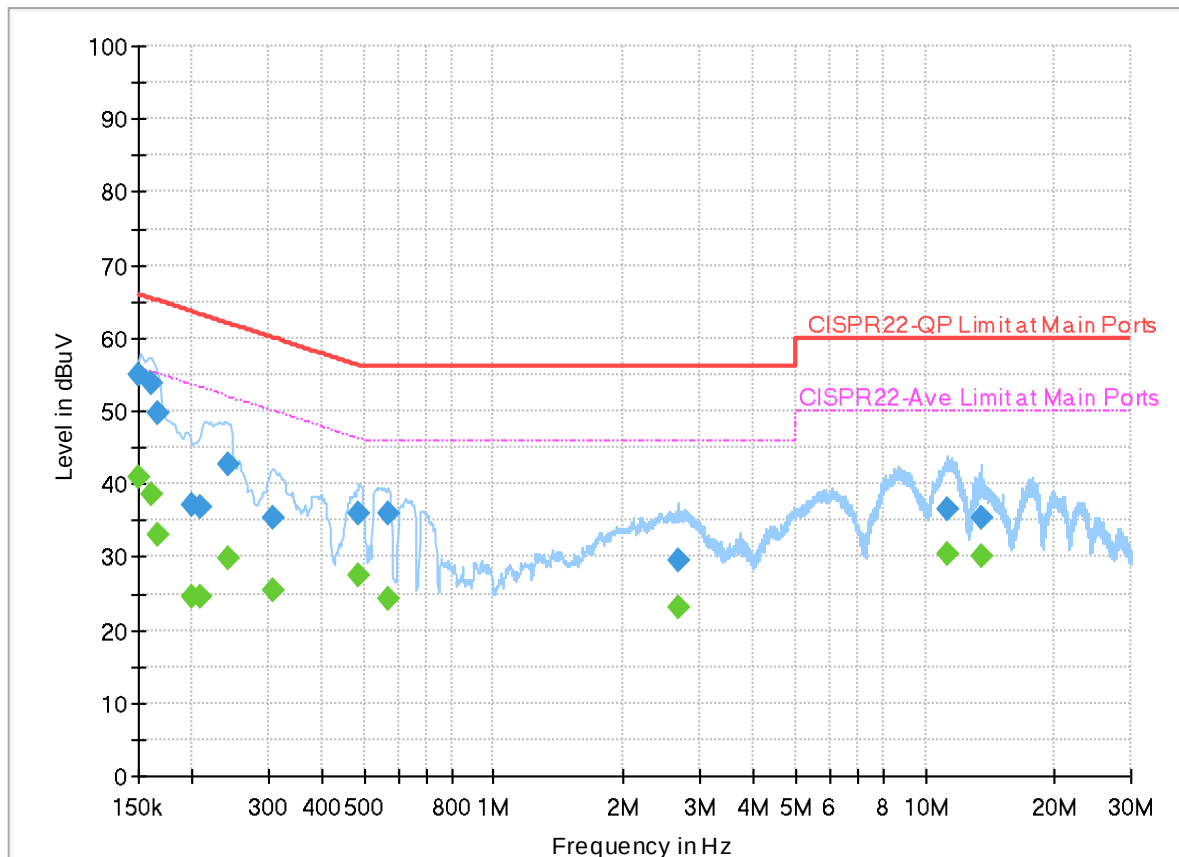
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	23.2~25.7°C
		Relative Humidity :	53.1~66.2%

EUT Information

Report NO : 290812
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	40.94	56.00	15.06	L1	OFF	20.0
0.150000	55.01	---	66.00	10.99	L1	OFF	20.0
0.159810	---	38.69	55.47	16.78	L1	OFF	20.0
0.159810	53.94	---	65.47	11.53	L1	OFF	20.0
0.166200	---	33.13	55.15	22.02	L1	OFF	20.0
0.166200	49.77	---	65.15	15.38	L1	OFF	20.0
0.199500	---	24.57	53.63	29.06	L1	OFF	20.0
0.199500	37.15	---	63.63	26.48	L1	OFF	20.0
0.208500	---	24.43	53.27	28.84	L1	OFF	20.0
0.208500	36.97	---	63.27	26.30	L1	OFF	20.0
0.242160	---	29.71	52.02	22.31	L1	OFF	20.0
0.242160	42.59	---	62.02	19.43	L1	OFF	20.0
0.309030	---	25.55	50.00	24.45	L1	OFF	20.0
0.309030	35.35	---	60.00	24.65	L1	OFF	20.0
0.483630	---	27.57	46.28	18.71	L1	OFF	20.0
0.483630	35.98	---	56.28	20.30	L1	OFF	20.0
0.566250	---	24.13	46.00	21.87	L1	OFF	20.0
0.566250	35.92	---	56.00	20.08	L1	OFF	20.0
2.675850	---	23.14	46.00	22.86	L1	OFF	20.0

2.675850	29.42	---	56.00	26.58	L1	OFF	20.0
11.283000	---	30.43	50.00	19.57	L1	OFF	20.2
11.283000	36.46	---	60.00	23.54	L1	OFF	20.2
13.557750	---	30.13	50.00	19.87	L1	OFF	20.2
13.557750	35.52	---	60.00	24.48	L1	OFF	20.2

EUT Information

Report NO : 290812
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)
0.154658	55.53	---	65.75	10.22	N	OFF	20.0
0.154658	---	43.03	55.75	12.72	N	OFF	20.0
0.156750	55.42	---	65.63	10.21	N	OFF	20.0
0.156750	---	42.50	55.63	13.13	N	OFF	20.0
0.177180	43.59	---	64.62	21.03	N	OFF	20.0
0.177180	---	31.53	54.62	23.09	N	OFF	20.0
0.186360	41.71	---	64.20	22.49	N	OFF	20.0
0.186360	---	28.92	54.20	25.28	N	OFF	20.0
0.215250	44.82	---	63.00	18.18	N	OFF	20.0
0.215250	---	29.83	53.00	23.17	N	OFF	20.0
0.243330	42.73	---	61.98	19.25	N	OFF	20.0
0.243330	---	30.27	51.98	21.71	N	OFF	20.0
0.258360	37.51	---	61.48	23.97	N	OFF	20.0
0.258360	---	26.17	51.48	25.31	N	OFF	20.0
0.489750	35.81	---	56.17	20.36	N	OFF	20.0
0.489750	---	24.73	46.17	21.44	N	OFF	20.0
0.631500	35.80	---	56.00	20.20	N	OFF	20.0
0.631500	---	27.29	46.00	18.71	N	OFF	20.0
11.127750	35.25	---	60.00	24.75	N	OFF	20.2

11.127750	---	28.62	50.00	21.38	N	OFF	20.2
13.561530	34.12	---	60.00	25.88	N	OFF	20.2
13.561530	---	29.23	50.00	20.77	N	OFF	20.2
17.838780	30.04	---	60.00	29.96	N	OFF	20.3
17.838780	---	25.11	50.00	24.89	N	OFF	20.3



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Li, JC Liang and John Chuang	Temperature :	19~22°C
		Relative Humidity :	65~70%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5603.825	48.73	-19.47	68.2	39.9	33.2	13.52	37.89	100	182	P	H
		5653.55	48.21	-22.63	70.84	39.36	33.21	13.54	37.9	100	182	P	H
		5716.775	59.78	-50.12	109.9	50.6	33.53	13.57	37.92	100	182	P	H
		5724.875	61.84	-60.08	121.92	52.59	33.6	13.57	37.92	100	182	P	H
	*	5745	109.6	-	-	100.18	33.76	13.58	37.92	100	182	P	H
	*	5745	101.94	-	-	92.52	33.76	13.58	37.92	100	182	A	H
													H
													H
		5615.75	48.29	-19.91	68.2	39.46	33.2	13.53	37.9	100	233	P	V
		5699.675	48.85	-56.11	104.96	39.8	33.4	13.56	37.91	100	233	P	V
		5717	63.54	-46.42	109.96	54.35	33.54	13.57	37.92	100	233	P	V
		5724.425	65.89	-55	120.89	56.64	33.6	13.57	37.92	100	233	P	V
		1774	39.61	-28.59	68.2	43.19	24.9	7.48	35.96	100	233	P	V
		2656	46.55	-21.65	68.2	45.54	28.11	9.15	36.25	100	233	P	V
	*	5745	112.94	-	-	103.52	33.76	13.58	37.92	100	233	P	V
	*	5745	105.47	-	-	96.05	33.76	13.58	37.92	100	233	A	V
													V
													V



WIFI Ant. 0	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5641	48.08	-20.12	68.2	39.24	33.2	13.54	37.9	100	182	P	H
		5699.75	48.34	-56.68	105.02	39.29	33.4	13.56	37.91	100	182	P	H
		5700	47.95	-57.25	105.2	38.9	33.4	13.56	37.91	100	182	P	H
		5721.25	47.75	-65.9	113.65	38.53	33.57	13.57	37.92	100	182	P	H
	*	5785	108.71	-	-	99.11	33.94	13.59	37.93	100	182	P	H
	*	5785	101.49	-	-	91.89	33.94	13.59	37.93	100	182	A	H
		5852.75	46.33	-69.6	115.93	36.3	34.3	13.68	37.95	100	182	P	H
		5867	46.9	-60.54	107.44	36.84	34.3	13.71	37.95	100	182	P	H
		5910.75	48.4	-30.31	78.71	38.28	34.3	13.78	37.96	100	182	P	H
		5927.5	48.68	-19.52	68.2	38.54	34.3	13.8	37.96	100	182	P	H
													H
													H
		5630	48.84	-19.36	68.2	40.01	33.2	13.53	37.9	100	233	P	V
		5697.5	48.14	-55.22	103.36	39.1	33.39	13.56	37.91	100	233	P	V
		5701.5	46.77	-58.85	105.62	37.71	33.41	13.56	37.91	100	233	P	V
		5720.75	47.26	-65.25	112.51	38.04	33.57	13.57	37.92	100	233	P	V
		2668	45.31	-22.89	68.2	44.24	28.14	9.17	36.24	100	233	P	V
	*	5785	113.03	-	-	103.43	33.94	13.59	37.93	100	233	P	V
	*	5785	105.45	-	-	95.85	33.94	13.59	37.93	100	233	A	V
		5851.75	47.07	-71.14	118.21	37.04	34.3	13.68	37.95	100	233	P	V
		5868.75	47.25	-59.7	106.95	37.19	34.3	13.71	37.95	100	233	P	V
		5899.5	49.44	-37.59	87.03	39.34	34.3	13.76	37.96	100	233	P	V
		5948.75	49.14	-19.06	68.2	38.97	34.3	13.84	37.97	100	233	P	V
													V
													V



WIFI Ant. 0	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5758	50.72	-17.48	68.2	41.24	33.83	13.58	37.93	100	182	P	H
	*	5825	107.23	-	-	97.38	34.15	13.64	37.94	100	182	P	H
	*	5825	100.59	-	-	90.74	34.15	13.64	37.94	100	182	A	H
		5850	54.72	-67.48	122.2	44.69	34.3	13.68	37.95	100	182	P	H
		5855.4	52.05	-58.64	110.69	42.01	34.3	13.69	37.95	100	182	P	H
		5897	48.2	-40.68	88.88	38.1	34.3	13.76	37.96	100	182	P	H
		5948.4	47.7	-20.5	68.2	37.53	34.3	13.84	37.97	100	182	P	H
													H
													H
		5758	51.58	-16.62	68.2	42.1	33.83	13.58	37.93	100	233	P	V
	*	5825	112.03	-	-	102.18	34.15	13.64	37.94	100	233	P	V
	*	5825	104.63	-	-	94.78	34.15	13.64	37.94	100	233	A	V
		5851.4	59.26	-59.75	119.01	49.23	34.3	13.68	37.95	100	233	P	V
		5855	55.69	-55.11	110.8	45.65	34.3	13.69	37.95	100	233	P	V
		5875.2	49.41	-55.64	105.05	39.34	34.3	13.72	37.95	100	233	P	V
		5932	47.98	-20.22	68.2	37.84	34.3	13.81	37.97	100	233	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	50.4	-23.6	74	33.97	39.13	19.94	42.64	100	183	P	H
		11490	41.49	-12.51	54	25.06	39.13	19.94	42.64	100	183	A	H
		17235	50.59	-17.61	68.2	33.16	37.97	24.2	44.74	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	49.98	-24.02	74	33.55	39.13	19.94	42.64	117	339	P	V
		11490	41.45	-12.55	54	25.02	39.13	19.94	42.64	117	339	A	V
		17235	50.3	-17.9	68.2	32.87	37.97	24.2	44.74	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		11570	50.22	-23.78	74	33.9	39.03	20	42.71	100	23	P	H
		11570	41.43	-12.57	54	25.11	39.03	20	42.71	100	23	A	H
		17355	50.77	-17.43	68.2	33.2	38.21	24.27	44.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	50.8	-23.2	74	34.48	39.03	20	42.71	113	314	P	V
		11570	41.35	-12.65	54	25.03	39.03	20	42.71	113	314	A	V
		17355	50.37	-17.83	68.2	32.8	38.21	24.27	44.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		57.16	25.04	-14.96	40	46.83	12.2	1.63	35.62	-	-	P	H
		107.6	30.12	-13.38	43.5	46.73	16.8	2.11	35.52	-	-	P	H
		156.1	28.48	-15.02	43.5	44.69	16.7	2.53	35.44	-	-	P	H
		259.89	38.63	-7.37	46	50.65	20.09	3.15	35.26	-	-	P	H
		359.8	38.07	-7.93	46	48.72	20.66	3.66	34.97	-	-	P	H
		746.83	39.09	-6.91	46	40.02	27.67	5.15	33.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		36.79	32.09	-7.91	40	45.38	20.95	1.4	35.64	-	-	P	V
		108.57	28.46	-15.04	43.5	44.96	16.9	2.12	35.52	-	-	P	V
		241.46	31.86	-14.14	46	46.72	17.4	3.05	35.31	-	-	P	V
		359.8	31.94	-14.06	46	42.59	20.66	3.66	34.97	-	-	P	V
		384.05	31.79	-14.21	46	41.57	21.32	3.79	34.89	-	-	P	V
		746.83	39.06	-6.94	46	39.99	27.67	5.15	33.75	-	-	P	V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5614.4	47.05	-21.15	68.2	38.29	33.13	13.53	37.9	100	124	P	H
		5693.6	47.1	-53.38	100.48	37.9	33.55	13.56	37.91	100	124	P	H
		5719.925	48.36	-62.42	110.78	38.99	33.72	13.57	37.92	100	124	P	H
		5723.75	52.11	-67.24	119.35	42.72	33.74	13.57	37.92	100	124	P	H
		2434	38.77	-29.43	68.2	38.63	27.7	8.73	36.29	100	124	P	H
	*	5745	107	-	-	97.47	33.87	13.58	37.92	100	124	P	H
	*	5745	99.71	-	-	90.18	33.87	13.58	37.92	100	124	A	H
													H
		5602.7	49.17	-19.03	68.2	40.43	33.11	13.52	37.89	100	226	P	V
		5697.425	47.05	-56.25	103.3	37.82	33.58	13.56	37.91	100	226	P	V
		5719.475	47.44	-63.21	110.65	38.07	33.72	13.57	37.92	100	226	P	V
		5724.425	52.97	-67.92	120.89	43.57	33.75	13.57	37.92	100	226	P	V
		1330	40.32	-33.68	74	43.64	25.94	6.47	35.73	100	226	P	V
	*	5745	107.22	-	-	97.69	33.87	13.58	37.92	100	226	P	V
		1330	31.87	-22.13	54	35.19	25.94	6.47	35.73	100	226	A	V
	*	5745	100.34	-	-	90.81	33.87	13.58	37.92	100	226	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5600.25	47.74	-20.46	68.2	39.01	33.1	13.52	37.89	106	123	P	H
		5700	47.07	-58.13	105.2	37.82	33.6	13.56	37.91	106	123	P	H
		5700	47.07	-58.13	105.2	37.82	33.6	13.56	37.91	106	123	P	H
		5721.75	46.17	-68.62	114.79	36.79	33.73	13.57	37.92	106	123	P	H
	*	5785	107.17	-	-	97.47	34.04	13.59	37.93	106	123	P	H
	*	5785	100.3	-	-	90.6	34.04	13.59	37.93	106	123	A	H
		5853.5	46.57	-67.65	114.22	36.62	34.21	13.69	37.95	106	123	P	H
		5872.75	48.02	-57.81	105.83	37.96	34.29	13.72	37.95	106	123	P	H
		5891.5	48.58	-44.38	92.96	38.42	34.37	13.75	37.96	106	123	P	H
		5950	47.79	-20.41	68.2	37.52	34.4	13.84	37.97	106	123	P	H
													H
													H
		5612.5	48.52	-19.68	68.2	39.76	33.12	13.53	37.89	100	225	P	V
		5683	48.49	-44.17	92.66	39.39	33.46	13.55	37.91	100	225	P	V
		5709.75	47.63	-60.3	107.93	38.33	33.66	13.56	37.92	100	225	P	V
		5723.25	45.6	-72.61	118.21	36.21	33.74	13.57	37.92	100	225	P	V
		1330	38.75	-35.25	74	42.07	25.94	6.47	35.73	100	225	A	V
	*	5785	106.11	-	-	96.41	34.04	13.59	37.93	100	225	A	V
		1330	31.44	-22.56	54	34.76	25.94	6.47	35.73	100	225	P	V
	*	5785	99.64	-	-	89.94	34.04	13.59	37.93	100	225	P	V
		5853.25	48.47	-66.32	114.79	38.52	34.21	13.69	37.95	100	225	P	V
		5861.75	47.31	-61.6	108.91	37.31	34.25	13.7	37.95	100	225	P	V
		5915.5	49.31	-25.9	75.21	39.09	34.4	13.78	37.96	100	225	P	V
		5934.25	48.79	-19.41	68.2	38.55	34.4	13.81	37.97	100	225	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5758	47.81	-20.39	68.2	38.23	33.93	13.58	37.93	107	129	P	H
	*	5825	107.76	39.56	68.2	97.91	34.15	13.64	37.94	107	129	P	H
	*	5825	100.25	46.25	54	90.4	34.15	13.64	37.94	107	129	A	H
		5850.2	49.9	-71.84	121.74	39.97	34.2	13.68	37.95	107	129	P	H
		5865.4	48.01	-59.88	107.89	38	34.26	13.7	37.95	107	129	P	H
		5913	48.98	-28.07	77.05	38.76	34.4	13.78	37.96	107	129	P	H
		5944.6	48.35	-19.85	68.2	38.09	34.4	13.83	37.97	107	129	P	H
													H
		1330	38.35	-35.65	74	41.67	25.94	6.47	35.73	100	229	P	V
		2656	46.22	-21.98	68.2	44.82	28.5	9.15	36.25	100	229	P	V
		5758	50.85	-17.35	68.2	41.27	33.93	13.58	37.93	100	229	P	V
	*	5825	107.28	39.08	68.2	97.43	34.15	13.64	37.94	100	229	P	V
		1330	33.2	-20.8	54	36.52	25.94	6.47	35.73	100	229	A	V
	*	5825	99.69	45.69	54	89.84	34.15	13.64	37.94	100	229	A	V
		5850	47.94	-74.26	122.2	38.01	34.2	13.68	37.95	100	229	P	V
		5864.6	48.49	-59.62	108.11	38.48	34.26	13.7	37.95	100	229	P	V
		5904.2	48.99	-34.56	83.55	38.78	34.4	13.77	37.96	100	229	P	V
		5937.2	48.48	-19.72	68.2	38.23	34.4	13.82	37.97	100	229	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	50.68	-23.32	74	34.25	39.12	19.95	42.64	100	148	P	H
		11490	41.46	-12.54	54	25.03	39.12	19.95	42.64	100	148	A	H
		17235	51.38	-16.82	68.2	33.48	38.44	24.2	44.74	-	-	P	H
													H
													H
													H
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													H
													H
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													H
		11490	50.35	-23.65	74	33.92	39.12	19.95	42.64	100	247	P	V
		11490	41.35	-12.65	54	24.92	39.12	19.95	42.64	100	247	A	V
		17235	50.95	-17.25	68.2	33.05	38.44	24.2	44.74	-	-	P	V
													V
													V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		11570	49.64	-24.36	74	33.45	38.89	20.01	42.71	100	99	P	H
		11570	41.18	-12.82	54	24.99	38.89	20.01	42.71	100	99	A	H
		17355	51.32	-16.88	68.2	33.25	38.72	24.26	44.91	-	-	P	H
													H
													H
													H
													H
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													H
													H
													H
		11570	50.58	-23.42	74	34.39	38.89	20.01	42.71	110	233	P	V
		11570	41.22	-12.78	54	25.03	38.89	20.01	42.71	110	233	A	V
		17355	51.67	-16.53	68.2	33.6	38.72	24.26	44.91	-	-	P	V
													V
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													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		11650	49.78	-24.22	74	33.72	38.75	20.08	42.77	117	223	P	H
		11650	41.01	-12.99	54	24.95	38.75	20.08	42.77	117	223	A	H
		17475	51.32	-16.88	68.2	33.1	38.97	24.33	45.08	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	49.7	-24.3	74	33.64	38.75	20.08	42.77	108	237	P	V
		11650	41.08	-12.92	54	25.02	38.75	20.08	42.77	108	237	A	V
		17475	51.3	-16.9	68.2	33.08	38.97	24.33	45.08	-	-	P	V
													V
													V
													V
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												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 4 - 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 149 5745MHz		5606.975	48.92	-19.28	68.2	40.09	33.2	13.52	37.89	349	218	P	H
		5696.525	47.96	-54.68	102.64	38.92	33.39	13.56	37.91	349	218	P	H
		5719.025	57.99	-52.54	110.53	48.79	33.55	13.57	37.92	349	218	P	H
		5723.075	61.49	-56.32	117.81	52.26	33.58	13.57	37.92	349	218	P	H
		1330	40.72	-33.28	74	44.16	25.82	6.47	35.73	349	218	P	H
		2020	37.74	-30.46	68.2	39.36	26.52	7.97	36.11	349	218	P	H
	*	5745	109.97	-	-	100.55	33.76	13.58	37.92	349	218	P	H
		1330	29.6	-24.4	54	33.04	25.82	6.47	35.73	349	218	A	H
	*	5745	103.33	-	-	93.91	33.76	13.58	37.92	349	218	A	H
		5619.35	49.31	-18.89	68.2	40.48	33.2	13.53	37.9	100	339	P	V
		5682.8	48.22	-44.29	92.51	39.25	33.33	13.55	37.91	100	339	P	V
		5716.775	53.85	-56.05	109.9	44.67	33.53	13.57	37.92	100	339	P	V
		5725.1	64.66	-69.54	134.2	55.41	33.6	13.57	37.92	100	339	P	V
	*	5745	114	-	-	104.58	33.76	13.58	37.92	100	339	P	V
	*	5745	107.41	-	-	97.99	33.76	13.58	37.92	100	339	A	V
													V
													V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 157 5785MHz		5641.75	48.52	-19.68	68.2	39.68	33.2	13.54	37.9	348	218	P	H
		5698.5	47.52	-56.57	104.09	38.48	33.39	13.56	37.91	348	218	P	H
		5716	48.08	-61.6	109.68	38.9	33.53	13.57	37.92	348	218	P	H
		5723	47.06	-70.58	117.64	37.83	33.58	13.57	37.92	348	218	P	H
		1330	35.73	-38.27	74	39.17	25.82	6.47	35.73	348	218	P	H
		2020	39.05	-29.15	68.2	40.67	26.52	7.97	36.11	348	218	P	H
	*	5785	110.58	-	-	100.98	33.94	13.59	37.93	348	218	P	H
		1330	32.2	-21.8	54	35.64	25.82	6.47	35.73	348	218	A	H
	*	5785	103.03	-	-	93.43	33.94	13.59	37.93	348	218	A	H
		5854	46.76	-66.32	113.08	36.72	34.3	13.69	37.95	348	218	P	H
		5865	47.67	-60.33	108	37.62	34.3	13.7	37.95	348	218	P	H
		5922	48.94	-21.47	70.41	38.8	34.3	13.8	37.96	348	218	P	H
		5935.25	49.09	-19.11	68.2	38.94	34.3	13.82	37.97	348	218	P	H
		5617.5	48.54	-19.66	68.2	39.71	33.2	13.53	37.9	100	338	P	V
		5691.25	48.55	-50.2	98.75	39.53	33.37	13.56	37.91	100	338	P	V
		5713	47.26	-61.58	108.84	38.11	33.5	13.57	37.92	100	338	P	V
		5722.5	45.84	-70.66	116.5	36.61	33.58	13.57	37.92	100	338	P	V
	*	5785	114.26	-	-	104.66	33.94	13.59	37.93	100	338	P	V
	*	5785	107.95	-	-	98.35	33.94	13.59	37.93	100	338	A	V
		5854.5	48.78	-63.16	111.94	38.74	34.3	13.69	37.95	100	338	P	V
		5855.25	48.83	-61.9	110.73	38.79	34.3	13.69	37.95	100	338	P	V
		5882.25	49.08	-50.74	99.82	39	34.3	13.73	37.95	100	338	P	V
		5948	49.45	-18.75	68.2	39.28	34.3	13.84	37.97	100	338	P	V
													V
													V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 165 5825MHz		2020	39.49	-28.71	68.2	41.11	26.52	7.97	36.11	351	216	P	H
		5758	49.65	-18.55	68.2	40.17	33.83	13.58	37.93	351	216	P	H
	*	5825	110.25	-	-	100.4	34.15	13.64	37.94	351	216	P	H
	*	5825	104.28	-	-	94.43	34.15	13.64	37.94	351	216	A	H
		5852.6	59.04	-57.23	116.27	49.01	34.3	13.68	37.95	351	216	P	H
		5855.4	54.55	-56.14	110.69	44.51	34.3	13.69	37.95	351	216	P	H
		5875.2	48.99	-56.06	105.05	38.92	34.3	13.72	37.95	351	216	P	H
		5926.6	48.21	-19.99	68.2	38.07	34.3	13.8	37.96	351	216	P	H
		5758	51.3	-16.9	68.2	41.82	33.83	13.58	37.93	100	337	P	V
	*	5825	112.42	-	-	102.57	34.15	13.64	37.94	100	337	P	V
	*	5825	106.72	-	-	96.87	34.15	13.64	37.94	100	337	A	V
		5850.6	56.06	-64.77	120.83	46.03	34.3	13.68	37.95	100	337	P	V
		5856	51.84	-58.68	110.52	41.8	34.3	13.69	37.95	100	337	P	V
		5884	48.53	-49.99	98.52	38.45	34.3	13.73	37.95	100	337	P	V
		5936.4	49.43	-18.77	68.2	39.28	34.3	13.82	37.97	100	337	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	51.14	-22.86	74	34.71	39.13	19.94	42.64	238	317	P	H
		11490	41.55	-12.45	54	25.12	39.13	19.94	42.64	238	317	A	H
		17235	51	-17.2	68.2	33.57	37.97	24.2	44.74	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	51.08	-22.92	74	34.65	39.13	19.94	42.64	100	299	P	V
		11490	41.39	-12.61	54	24.96	39.13	19.94	42.64	100	299	A	V
		17235	51.2	-17	68.2	33.77	37.97	24.2	44.74	-	-	P	V
													V
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													V
													V
													V
													V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 157 5785MHz		11570	51.75	-22.25	74	35.43	39.03	20	42.71	100	288	P	H
		11570	41.44	-12.56	54	25.12	39.03	20	42.71	100	288	A	H
		17355	51.92	-16.28	68.2	34.35	38.21	24.27	44.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	51.08	-22.92	74	34.76	39.03	20	42.71	121	339	P	V
		11570	41.33	-12.67	54	25.01	39.03	20	42.71	121	339	A	V
		17355	50.78	-17.42	68.2	33.21	38.21	24.27	44.91	-	-	P	V
													V
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													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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		5606	49.63	-18.57	68.2	40.8	33.2	13.52	37.89	348	327	P	H
		5699	61.79	-42.67	104.46	52.74	33.4	13.56	37.91	348	327	P	H
		5719.25	69.69	-40.9	110.59	60.49	33.55	13.57	37.92	348	327	P	H
		5724.75	71.43	-50.2	121.63	62.18	33.6	13.57	37.92	348	327	P	H
	*	5755	109.83	-	-	100.36	33.82	13.58	37.93	348	327	P	H
	*	5755	103	-	-	93.53	33.82	13.58	37.93	348	327	A	H
		5851.75	47.14	-71.07	118.21	37.11	34.3	13.68	37.95	348	327	P	H
		5855	47.98	-62.82	110.8	37.94	34.3	13.69	37.95	348	327	P	H
		5893.75	49.23	-42.06	91.29	39.14	34.3	13.75	37.96	348	327	P	H
		5934	48.73	-19.47	68.2	38.59	34.3	13.81	37.97	348	327	P	H
													H
													H
		5628.75	49.83	-18.37	68.2	41	33.2	13.53	37.9	105	326	P	V
		5696	58.8	-43.45	102.25	49.77	33.38	13.56	37.91	105	326	P	V
		5718.25	67.63	-42.68	110.31	58.43	33.55	13.57	37.92	105	326	P	V
		5723.75	71.31	-48.04	119.35	62.07	33.59	13.57	37.92	105	326	P	V
	*	5755	109.1	-	-	99.63	33.82	13.58	37.93	105	326	P	V
	*	5755	102.41	-	-	92.94	33.82	13.58	37.93	105	326	A	V
		5854.25	46.8	-65.71	112.51	36.76	34.3	13.69	37.95	105	326	P	V
		5871	47.71	-58.61	106.32	37.65	34.3	13.71	37.95	105	326	P	V
		5920.5	47.82	-23.7	71.52	37.69	34.3	13.79	37.96	105	326	P	V
		5937	47.4	-20.8	68.2	37.25	34.3	13.82	37.97	105	326	P	V
													V
													V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 159 5795MHz		5619.25	47.5	-20.7	68.2	38.67	33.2	13.53	37.9	329	281	P	H
		5665.5	49.14	-30.56	79.7	40.24	33.26	13.55	37.91	329	281	P	H
		5719.5	51.88	-58.78	110.66	42.67	33.56	13.57	37.92	329	281	P	H
		5722.5	51.15	-65.35	116.5	41.92	33.58	13.57	37.92	329	281	P	H
	*	5795	109.37	-	-	99.72	33.98	13.6	37.93	329	281	P	H
	*	5795	102.64	-	-	92.99	33.98	13.6	37.93	329	281	A	H
		5850.1	53.76	-68.21	121.97	43.73	34.3	13.68	37.95	329	281	P	H
		5855	50.64	-60.16	110.8	40.6	34.3	13.69	37.95	329	281	P	H
		5878.75	48.58	-53.83	102.41	38.5	34.3	13.73	37.95	329	281	P	H
		5944.25	48.98	-19.22	68.2	38.82	34.3	13.83	37.97	329	281	P	H
													H
													H
		5643.25	48.03	-20.17	68.2	39.19	33.2	13.54	37.9	100	297	P	V
		5650.25	48.45	-19.94	68.39	39.61	33.2	13.54	37.9	100	297	P	V
		5714.75	49.15	-60.18	109.33	39.98	33.52	13.57	37.92	100	297	P	V
		5722.5	51.66	-64.84	116.5	42.43	33.58	13.57	37.92	100	297	P	V
	*	5795	108.18	-	-	98.53	33.98	13.6	37.93	100	297	P	V
	*	5795	101.64	-	-	91.99	33.98	13.6	37.93	100	297	A	V
		5851.5	54.38	-64.4	118.78	44.35	34.3	13.68	37.95	100	297	P	V
		5860.5	51.17	-58.09	109.26	41.12	34.3	13.7	37.95	100	297	P	V
		5882.5	48.66	-50.97	99.63	38.58	34.3	13.73	37.95	100	297	P	V
		5945	48.27	-19.93	68.2	38.11	34.3	13.83	37.97	100	297	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	49.99	-24.01	74	33.63	39.09	19.94	42.67	100	283	P	H
		11510	41.26	-12.74	54	24.9	39.09	19.94	42.67	100	283	A	H
		17265	49.72	-18.48	68.2	32.26	38.03	24.22	44.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11510	49.72	-24.28	74	33.36	39.09	19.94	42.67	100	283	P	V
		11510	41.22	-12.78	54	24.86	39.09	19.94	42.67	100	283	A	V
		17265	49.72	-18.48	68.2	32.26	38.03	24.22	44.79	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]

**Band 4 5725~5850MHz****WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)**

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5619.125	46.88	-21.32	68.2	38.05	33.2	13.53	37.9	358	314	P	H
		5689.1	48.04	-49.12	97.16	39.03	33.36	13.56	37.91	358	314	P	H
		5703.275	49.72	-56.4	106.12	40.64	33.43	13.56	37.91	358	314	P	H
		5723.975	50.17	-69.69	119.86	40.93	33.59	13.57	37.92	358	314	P	H
		2020	39.56	-28.64	68.2	41.18	26.52	7.97	36.11	358	314	P	H
		2656	45.17	-23.03	68.2	44.16	28.11	9.15	36.25	358	314	P	H
	*	5745	115.32	-	-	105.9	33.76	13.58	37.92	358	314	P	H
	*	5745	108	-	-	98.58	33.76	13.58	37.92	358	314	A	H
		5645.675	47.17	-21.03	68.2	38.33	33.2	13.54	37.9	100	328	P	V
		5655.8	47.9	-24.61	72.51	39.04	33.22	13.54	37.9	100	328	P	V
		5717.675	47.2	-62.95	110.15	38.01	33.54	13.57	37.92	100	328	P	V
		5724.875	46.59	-75.33	121.92	37.34	33.6	13.57	37.92	100	328	P	V
	*	5745	112.97	-	-	103.55	33.76	13.58	37.92	100	328	P	V
	*	5745	105.08	-	-	95.66	33.76	13.58	37.92	100	328	A	V
													V
													V



WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	113.63	-	-	103.78	34.15	13.64	37.94	361	318	P	H
		2020	35.74	-18.26	54	37.36	26.52	7.97	36.11	361	318	P	H
		5758	44.56	-9.44	54	35.08	33.83	13.58	37.93	361	318	P	H
	*	5825	106.69	-	-	96.84	34.15	13.64	37.94	361	318	A	H
		5852.8	47.9	-67.92	115.82	37.87	34.3	13.68	37.95	361	318	P	H
		5856.6	48.24	-62.11	110.35	38.2	34.3	13.69	37.95	361	318	P	H
		5907.8	48.79	-32.1	80.89	38.68	34.3	13.77	37.96	361	318	P	H
		5933.8	47.73	-20.47	68.2	37.59	34.3	13.81	37.97	361	318	P	H
	*	5825	108.28	-	-	98.43	34.15	13.64	37.94	100	266	P	V
	*	5825	103.04	-	-	93.19	34.15	13.64	37.94	100	266	A	V
		5851.4	48.42	-70.59	119.01	38.39	34.3	13.68	37.95	100	266	P	V
		5859.6	46.71	-62.8	109.51	36.66	34.3	13.7	37.95	100	266	P	V
		5895.4	48.03	-42.04	90.07	37.94	34.3	13.75	37.96	100	266	P	V
		5931.4	47.99	-20.21	68.2	37.84	34.3	13.81	37.96	100	266	P	V
													V
													V



Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		11490	50.51	-23.49	74	34.08	39.13	19.94	42.64	127	339	P	H
		11490	41.5	-12.5	54	25.07	39.13	19.94	42.64	127	339	A	H
		17235	51.72	-16.48	68.2	34.29	37.97	24.2	44.74	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	50.49	-23.51	74	34.06	39.13	19.94	42.64	127	339	P	V
		11490	41.35	-12.65	54	24.92	39.13	19.94	42.64	127	339	A	V
		17235	50.28	-17.92	68.2	32.85	37.97	24.2	44.74	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 155 5775MHz		5645.5	52.51	-15.69	68.2	43.67	33.2	13.54	37.9	347	307	P	H
		5689.25	65.27	-32	97.27	56.26	33.36	13.56	37.91	347	307	P	H
		5715.25	66.65	-42.82	109.47	57.48	33.52	13.57	37.92	347	307	P	H
		5722.75	66.95	-50.12	117.07	57.72	33.58	13.57	37.92	347	307	P	H
		2020	38.05	-30.15	68.2	39.67	26.52	7.97	36.11	347	307	P	H
	*	5775	107.84	-	-	98.28	33.9	13.59	37.93	347	307	P	H
	*	5775	100.08	-	-	90.52	33.9	13.59	37.93	347	307	A	H
		5851.5	64.09	-54.69	118.78	54.06	34.3	13.68	37.95	347	307	P	H
		5870.25	64.47	-42.06	106.53	54.41	34.3	13.71	37.95	347	307	P	H
		5876	56.23	-48.23	104.46	46.16	34.3	13.72	37.95	347	307	P	H
		5936.5	49.58	-18.62	68.2	39.43	34.3	13.82	37.97	347	307	P	H
													H
		5647.5	50.22	-17.98	68.2	41.38	33.2	13.54	37.9	100	325	P	V
		5697.5	60.41	-42.95	103.36	51.37	33.39	13.56	37.91	100	325	P	V
		5711.75	64.9	-43.59	108.49	55.77	33.49	13.56	37.92	100	325	P	V
		5723.5	67.19	-51.59	118.78	57.95	33.59	13.57	37.92	100	325	P	V
	*	5775	105.34	-	-	95.78	33.9	13.59	37.93	100	325	P	V
	*	5775	97.74	-	-	88.18	33.9	13.59	37.93	100	325	A	V
		5850.75	57.1	-63.39	120.49	47.07	34.3	13.68	37.95	100	325	P	V
		5857.5	56.11	-53.99	110.1	46.07	34.3	13.69	37.95	100	325	P	V
		5877.25	51.58	-51.95	103.53	41.51	34.3	13.72	37.95	100	325	P	V
		5936.75	47.93	-20.27	68.2	37.78	34.3	13.82	37.97	100	325	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

[illegible]



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	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5650	55.45	-12.75	68.2	54.51	32.22	4.58	35.86	103	308	P	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. Margin(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. Margin(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 68.2(dBμV/m)
 = -12.75 (dB)

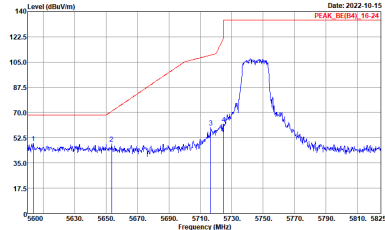
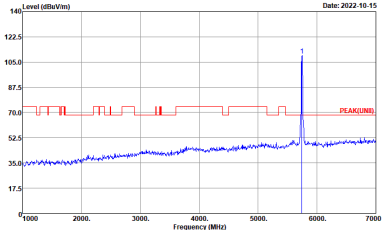
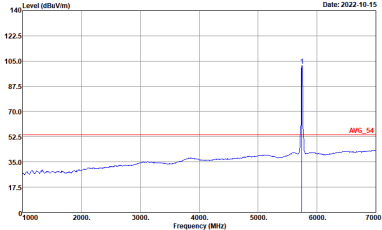
Peak measured complies with the limit line, so test result is “PASS”.



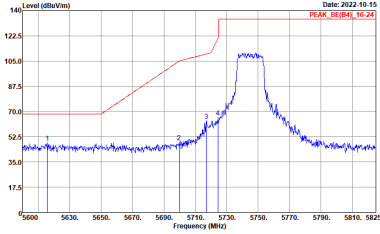
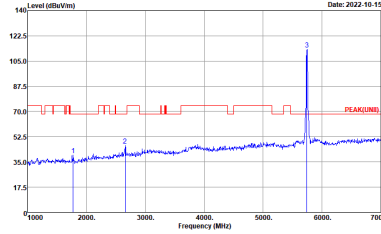
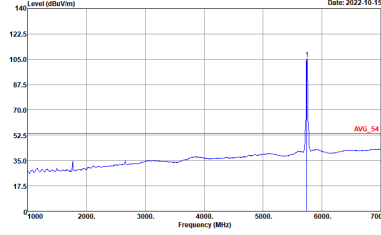
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Leo Li, JC Liang and John Chuang	Temperature :	19~22°C
		Relative Humidity :	65~70%

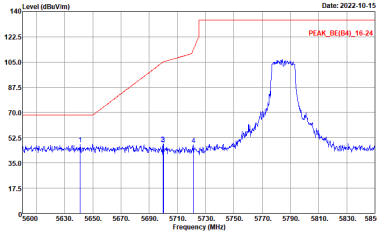
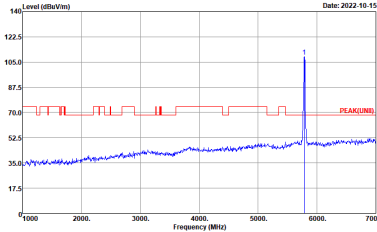
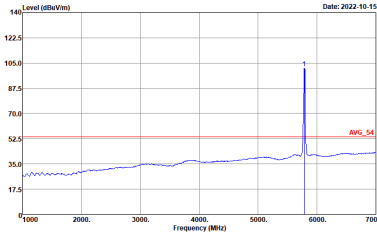
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0	Horizontal	Fundamental
Peak	 Site Condition : 03CH20-HY : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site Condition : 03CH20-HY : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site Condition : 03CH20-HY : AVG_54 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

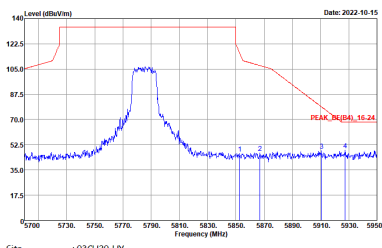


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNID) 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

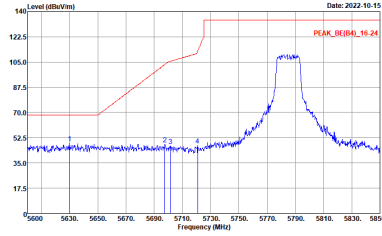
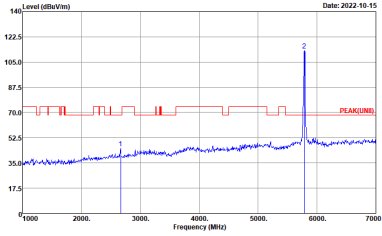
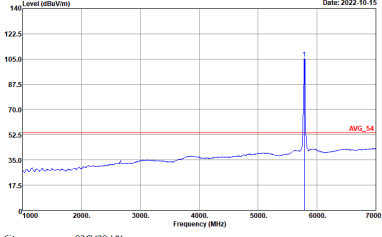


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

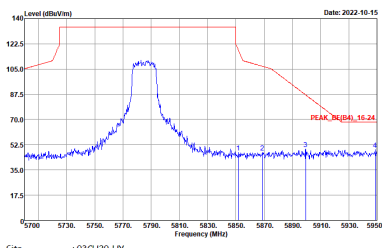


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

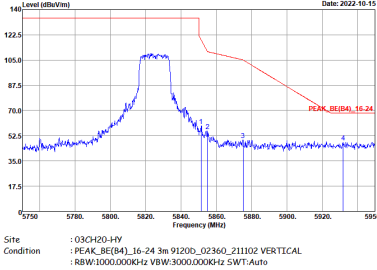
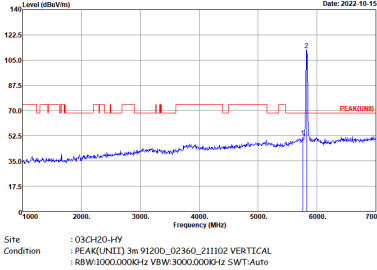
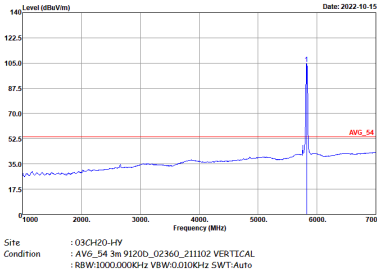


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



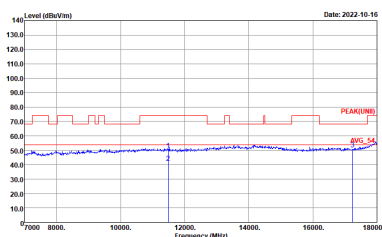
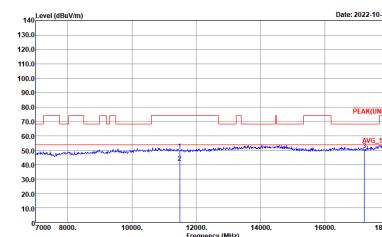
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT)_3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



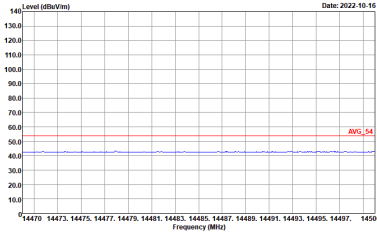
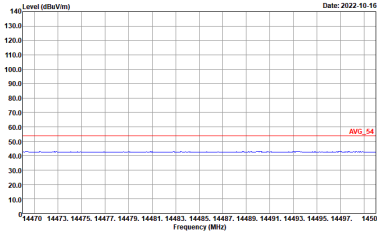
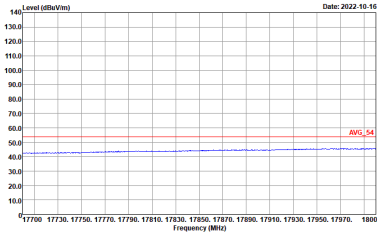
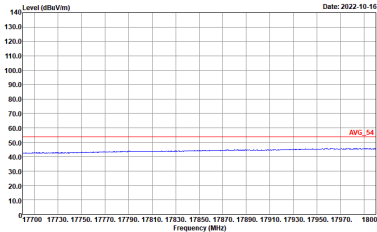
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LIN)B 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



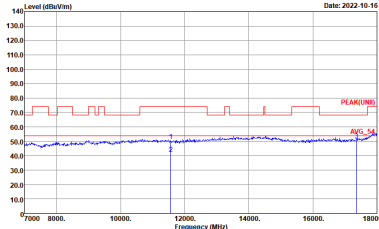
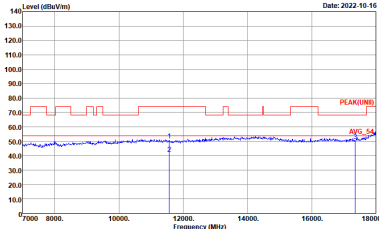
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL :

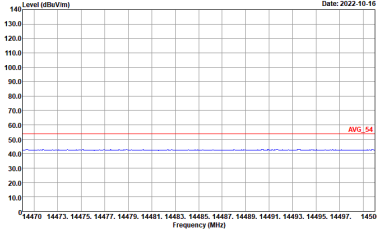
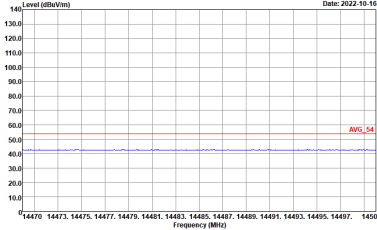
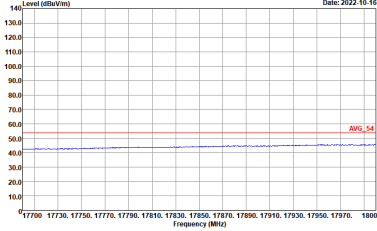
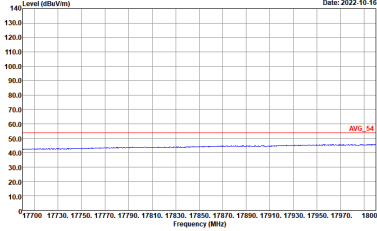


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.		

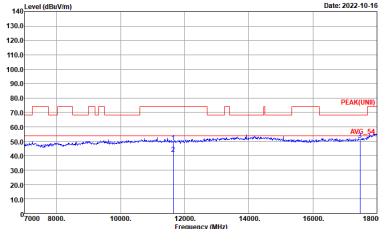
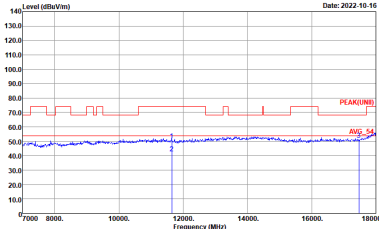


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200_02360_211102 VERTICAL :

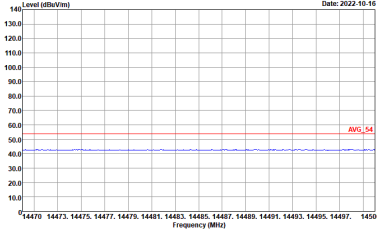
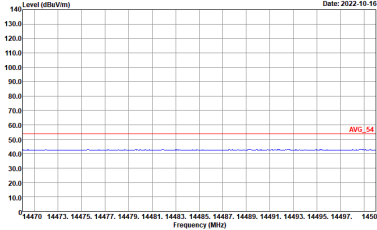
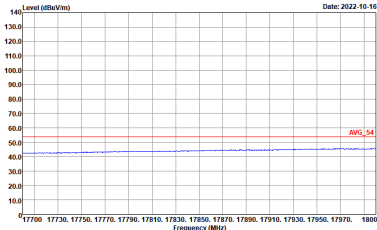
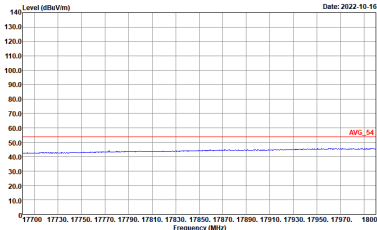


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.		



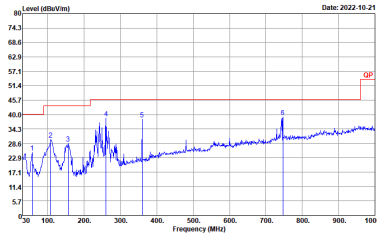
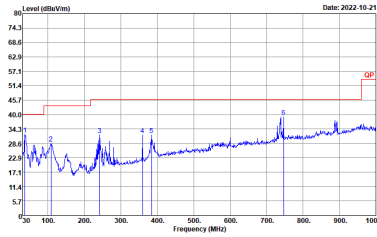
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200_02360_211102 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :

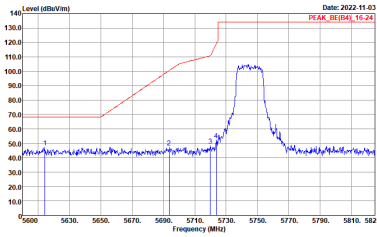
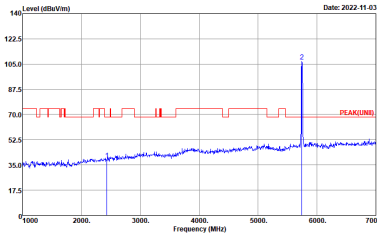
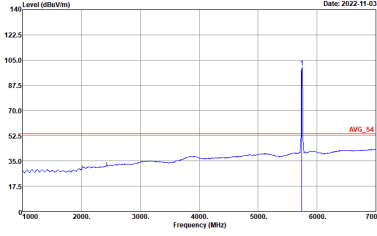


Emission below 1GHz
5GHz WIFI 802.11a (LF @ 3m)

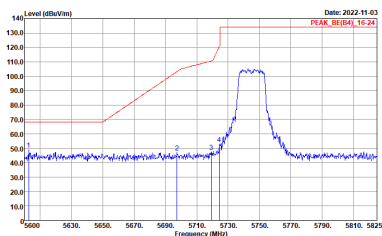
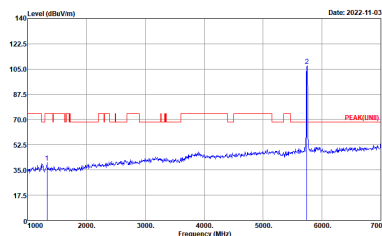
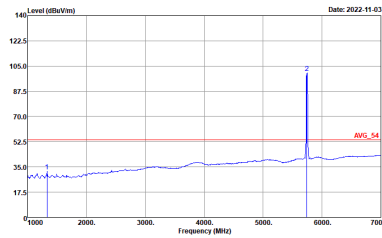
WIFI	5GHz WIFI	
ANT	802.11a LF	
0	Horizontal	Vertical
QP / Peak	 Site : 03CH20-HY Condition : QP 3m LF_55606A08_1101017 HORIZONTAL :	 Site : 03CH20-HY Condition : QP 3m LF_55606A08_1101017 VERTICAL :



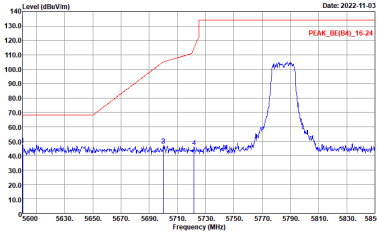
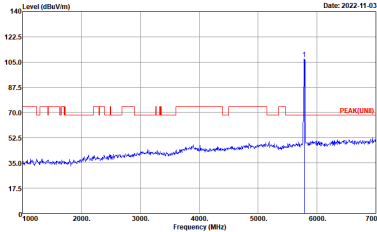
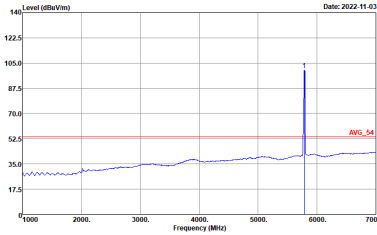
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_85(B4)_16-24 3m 91200-02038_220809 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200-02038_220809 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200-02038_220809 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

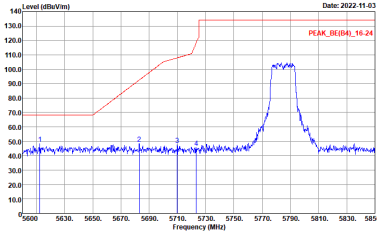
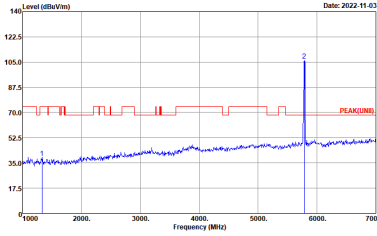
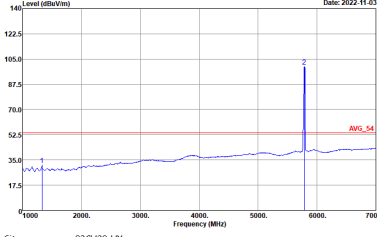


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200-02038_220809 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200-02038_220809 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200-02038_220809 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

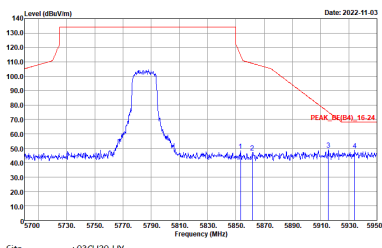


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200-02038_Z20809 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

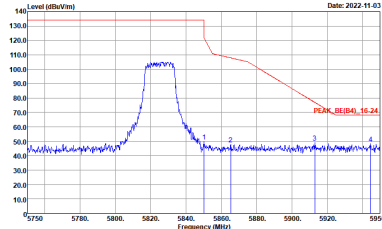
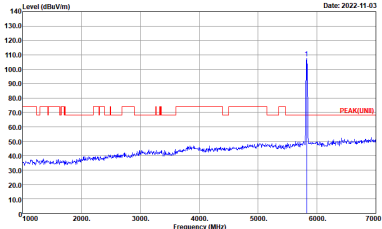
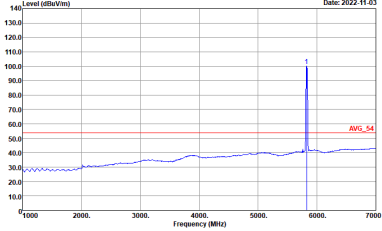


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

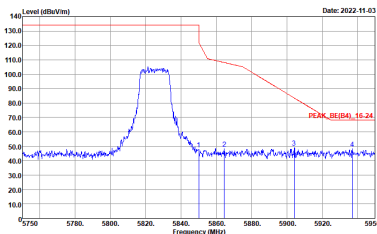
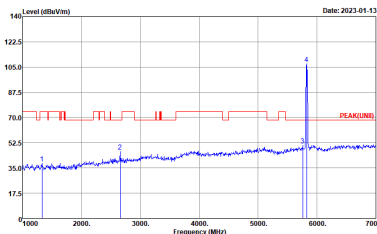
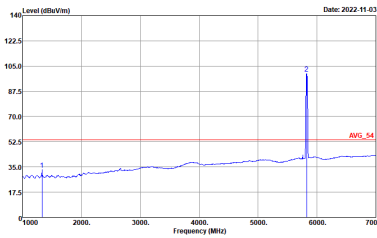


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200-02038_Z20809 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



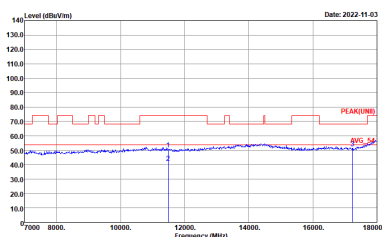
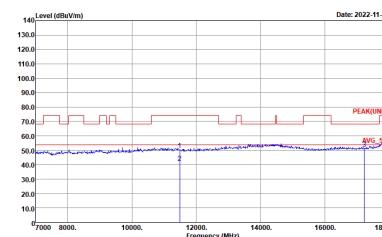
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200-02038_220809 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200-02038_220809 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200-02038_220809 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200-02038_220809 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



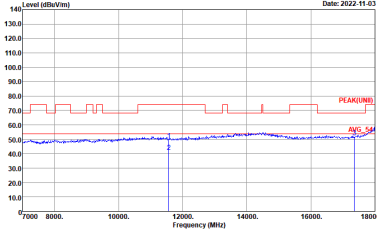
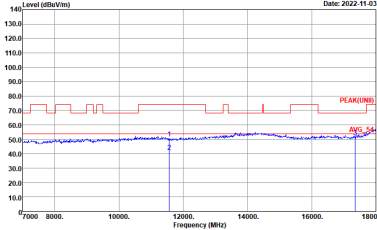
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200-02038_220809 HORIZONTAL :	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200-02038_220809 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 9120D-02038_Z20809 HORIZONTAL :	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 9120D-02038_Z20809 VERTICAL :
Avg.	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 9120D-02038_Z20809 HORIZONTAL :	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 9120D-02038_Z20809 VERTICAL :

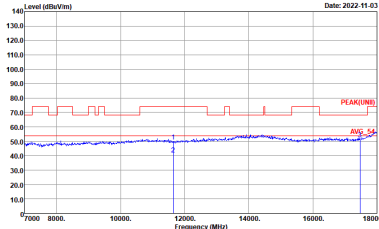
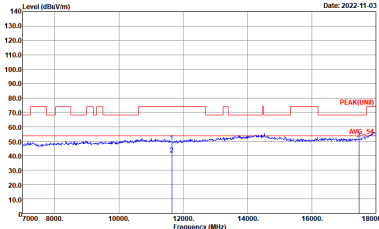


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200-02038_220809 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200-02038_220809 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 HORIZONTAL :	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 VERTICAL :
Avg.	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 HORIZONTAL :	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 VERTICAL :



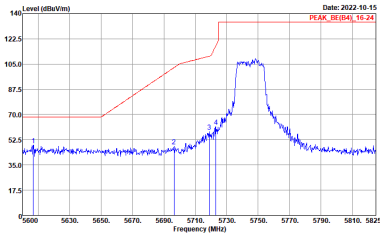
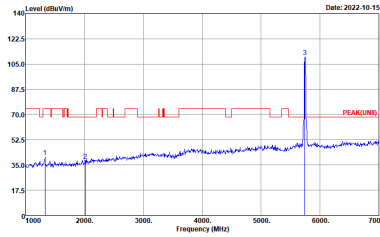
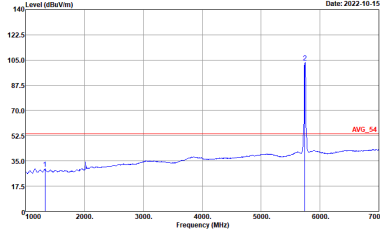
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200-02038_220809 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200-02038_220809 VERTICAL :



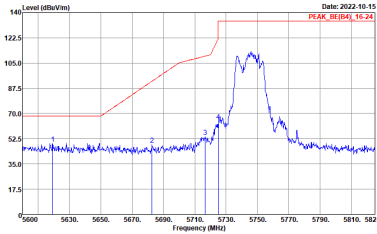
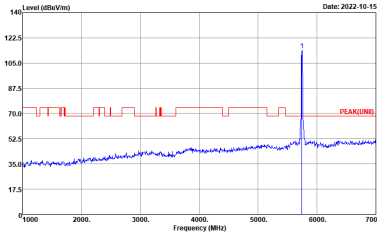
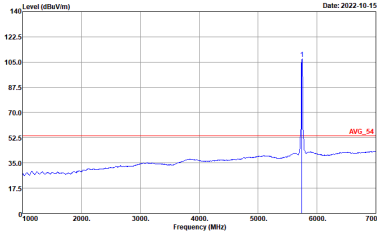
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 HORIZONTAL :	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 VERTICAL :
Avg.	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 HORIZONTAL :	Level (dBuV/m) Date: 2022-11-03 Site : 03CH20-HY Condition : AV6_54 3m 91200-02038_Z20809 VERTICAL :



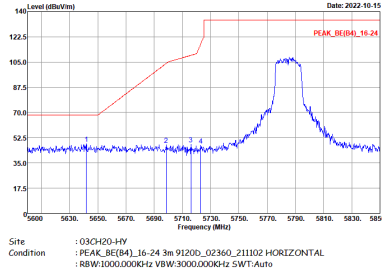
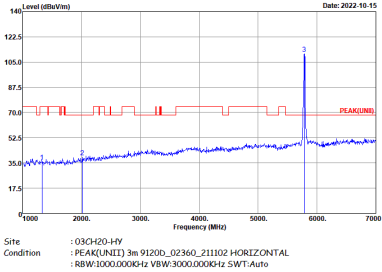
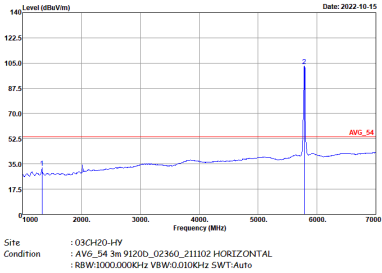
Band 4 - 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_85(B4)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

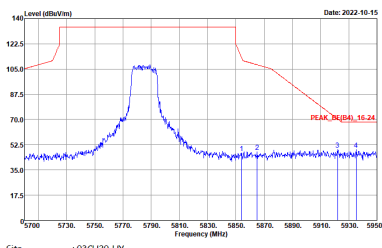


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNII)_3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

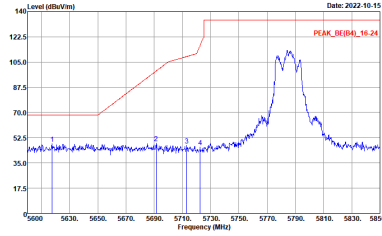
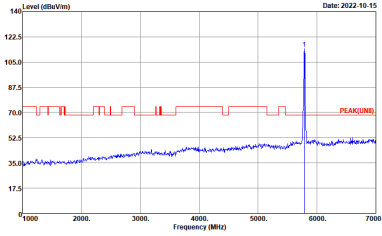
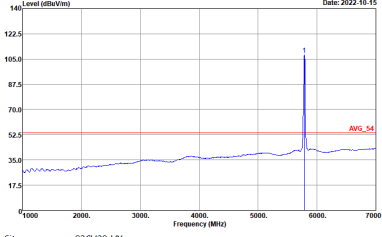


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

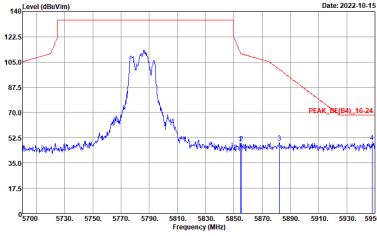


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

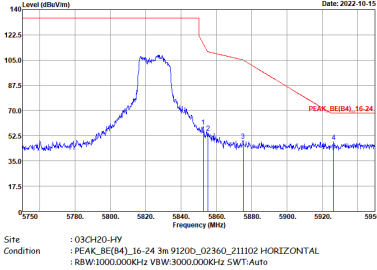
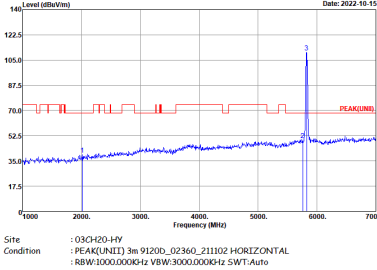
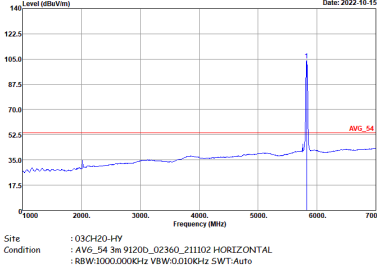


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

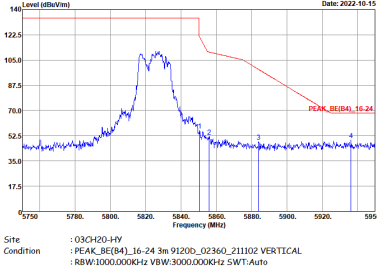
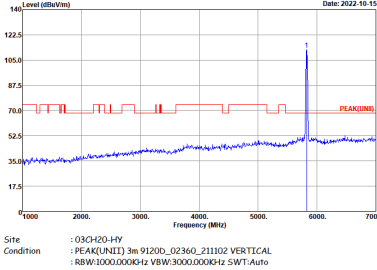
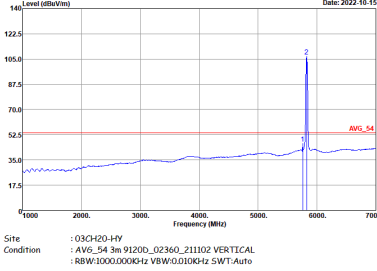


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



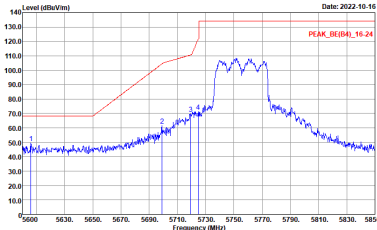
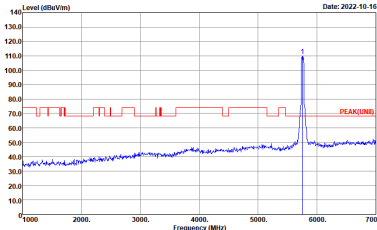
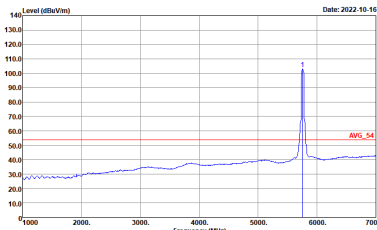
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT)_3m 91200_02360_211102 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



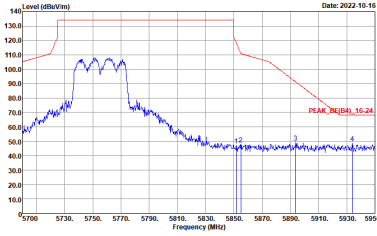
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



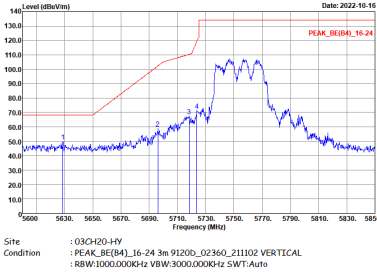
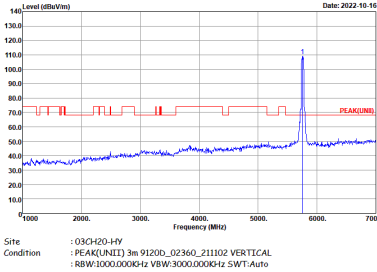
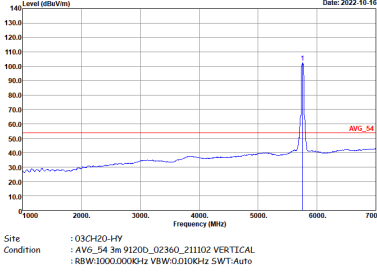
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_RE(04)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_14 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

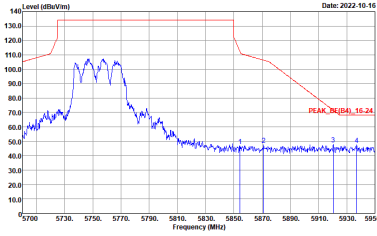


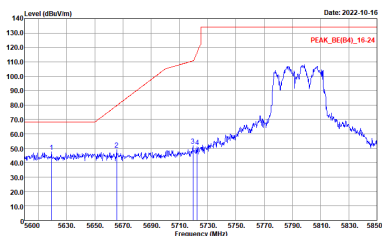
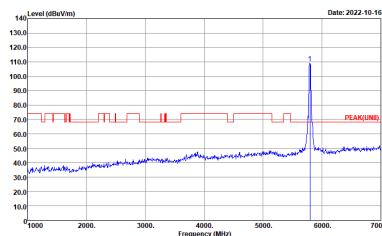
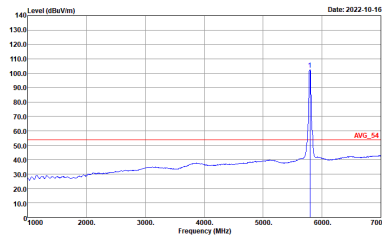
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



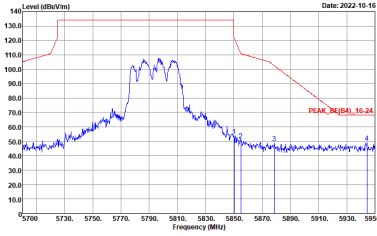
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LIN) 3m 91200_02360_211102 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LIN) 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

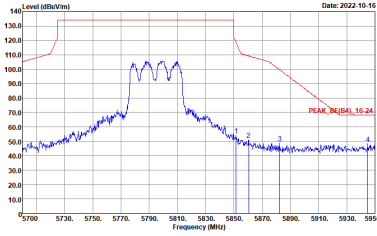


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



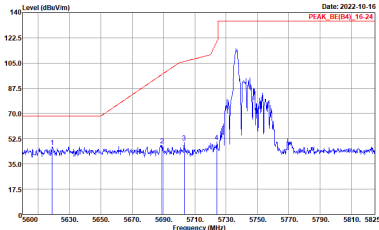
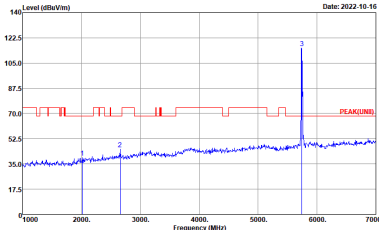
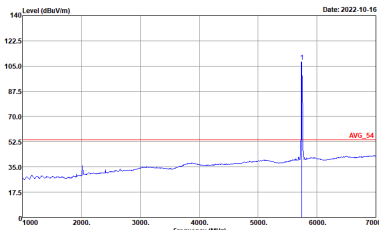
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(LINB) 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



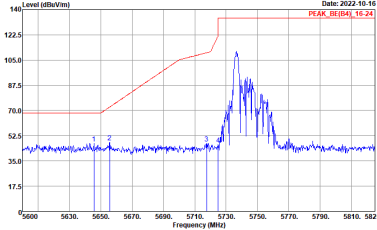
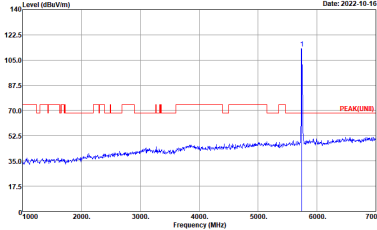
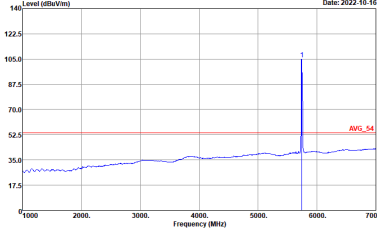
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



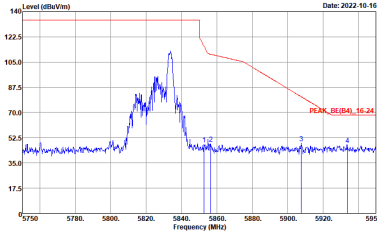
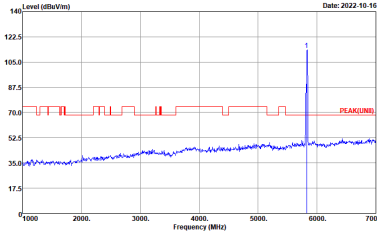
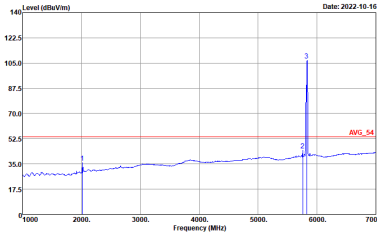
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(04)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

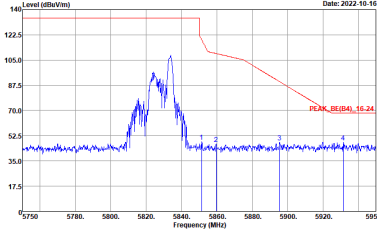
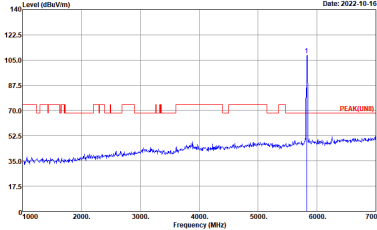
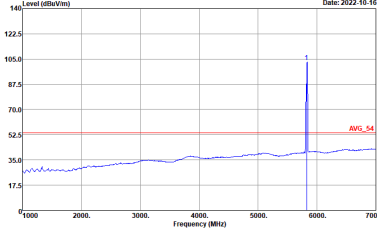


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



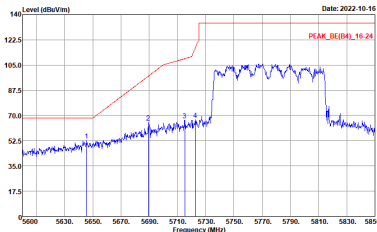
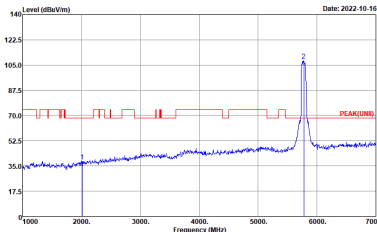
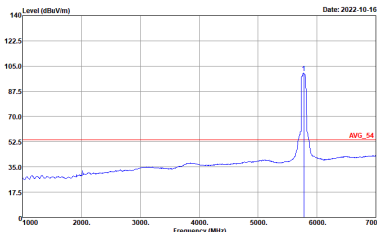
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



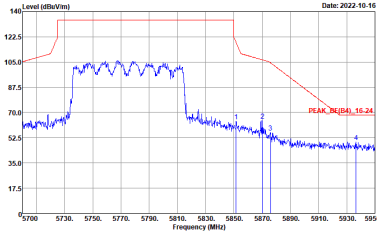
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LIN)B 3m 91200_02360_211102 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_02360_211102 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



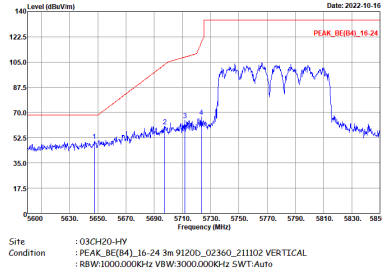
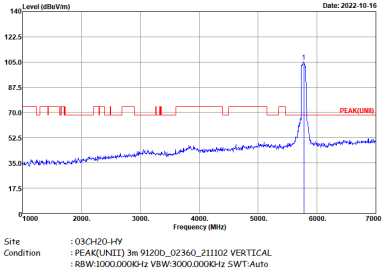
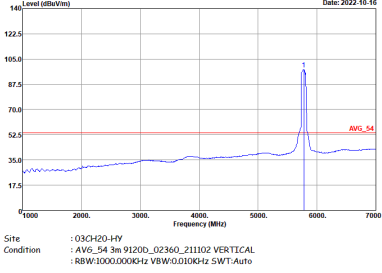
Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH20-HY Condition : AVG_14 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

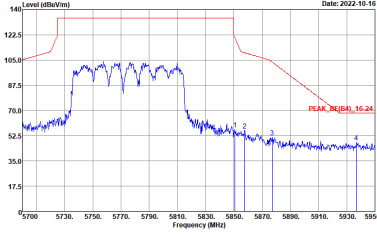


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(B4)_16-24 3m 91200_02360_211102 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



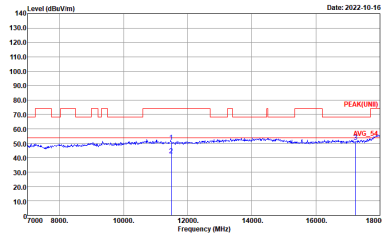
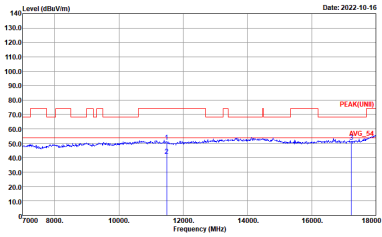
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 Site Condition : 03CH20-HY : PEAK_BE(B4)_16-24 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site Condition : 03CH20-HY : PEAK(FUND) 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site Condition : 03CH20-HY : AVG_54 3m 91200_02360_211102 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(84)_16-24 3m 91200_02360_211102 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



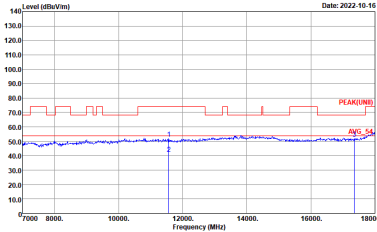
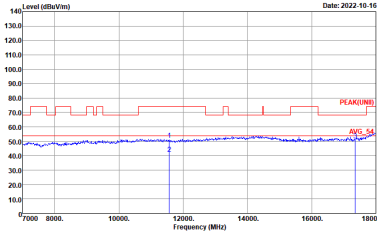
Band 4 - 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-1#Y Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-1#Y Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL :

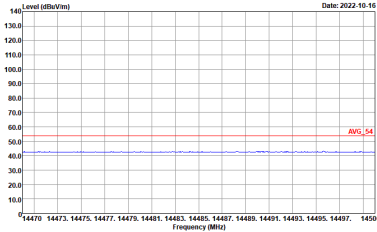
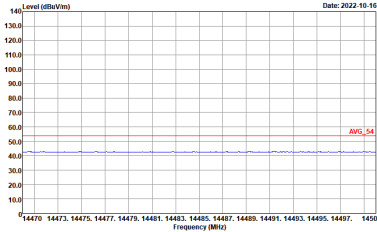
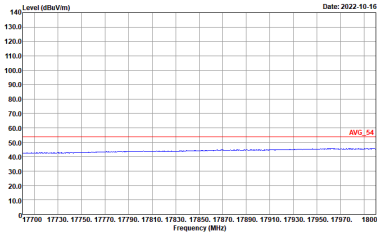
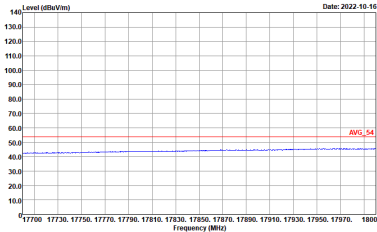


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :

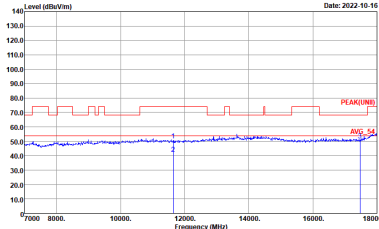
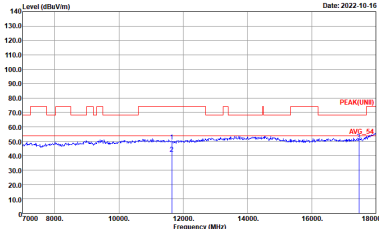


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-1FY Condition : PEAK(UWB) 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-1FY Condition : PEAK(UWB) 3m 91200_02360_211102 VERTICAL :

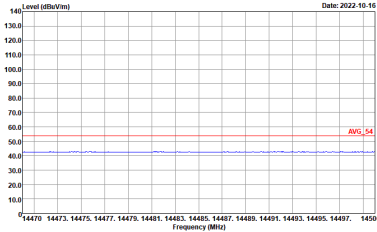
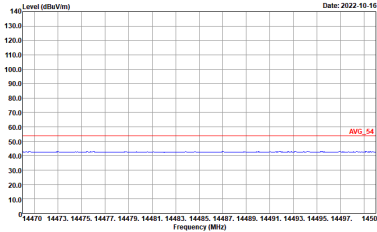
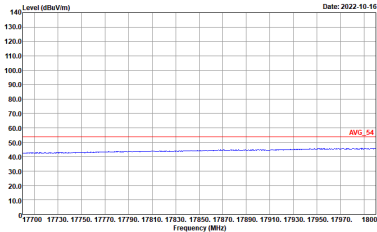
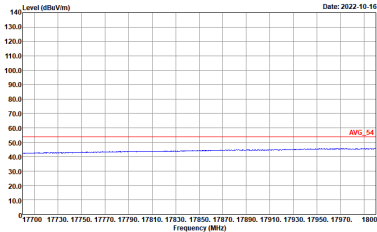


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :



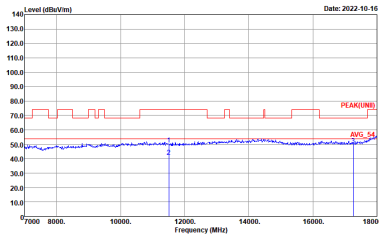
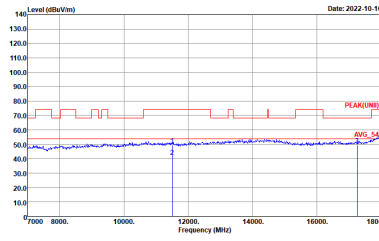
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK(UWB) 3m 91200_02360_211102 VERTICAL :



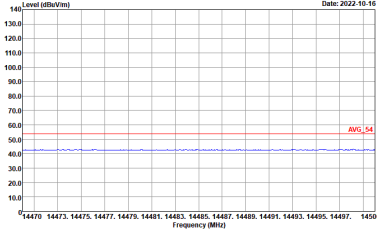
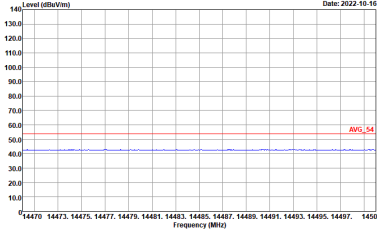
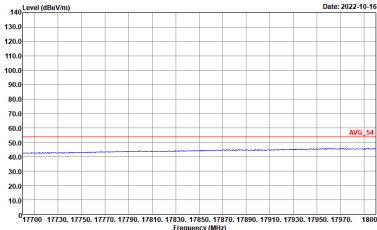
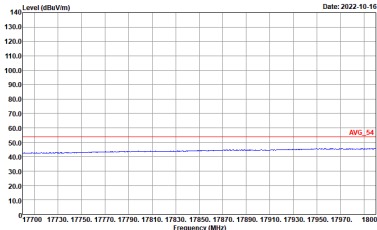
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.		



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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL .	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL .

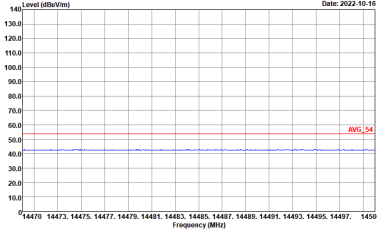
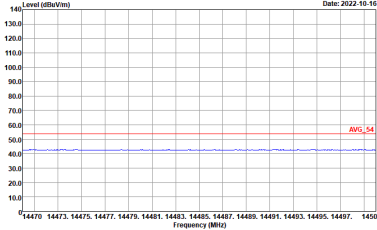
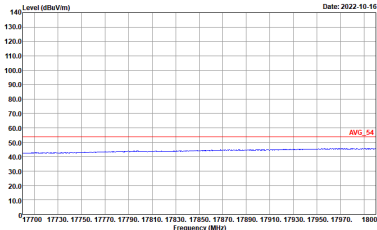
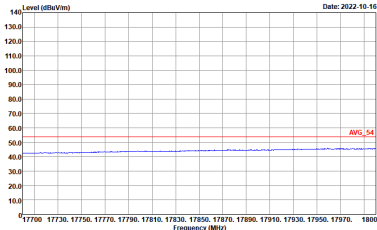


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :



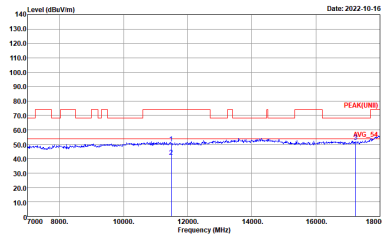
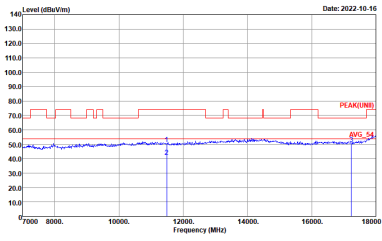
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.	140 Level (dBuV/m) Date: 2022-10-16 Site : 03CH20-1FY Condition : PEAK(UWB) 3m 91200_02360_211102 HORIZONTAL :	140 Level (dBuV/m) Date: 2022-10-16 Site : 03CH20-1FY Condition : PEAK(UWB) 3m 91200_02360_211102 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :



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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL .	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL .

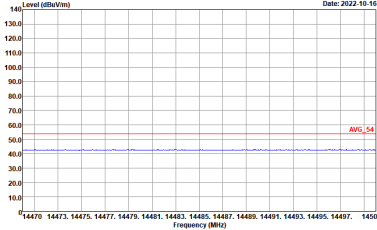
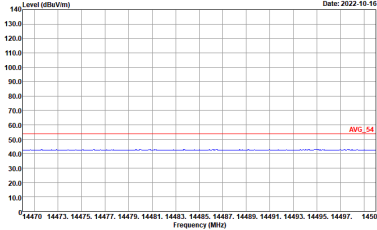
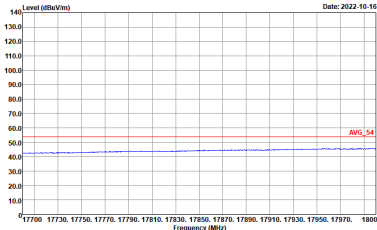
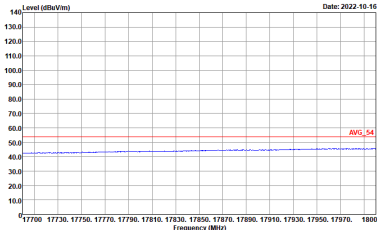


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :



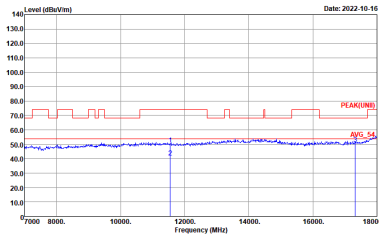
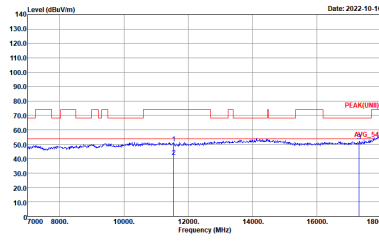
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	140 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 Level (dBuV/m) Date: 2022-10-16 7000 8000 10000 12000 14000 16000 18000 Frequency (MHz) Site : 03CH20-HY Condition : PEAK(UNB) 3m 91200_02360_211102 HORIZONTAL :	140 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 Level (dBuV/m) Date: 2022-10-16 7000 8000 10000 12000 14000 16000 18000 Frequency (MHz) Site : 03CH20-HY Condition : PEAK(UNB) 3m 91200_02360_211102 VERTICAL :



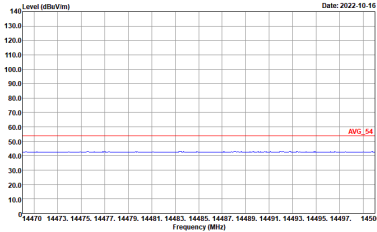
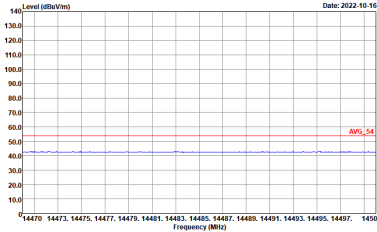
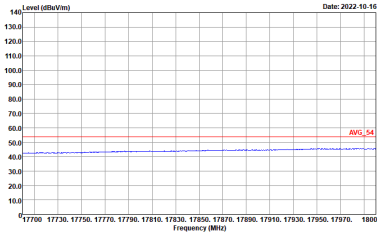
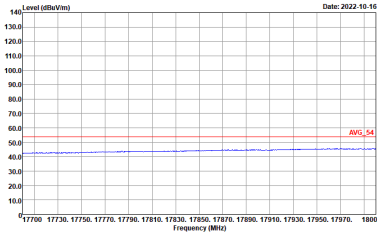
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.		



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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 HORIZONTAL .	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02360_211102 VERTICAL .



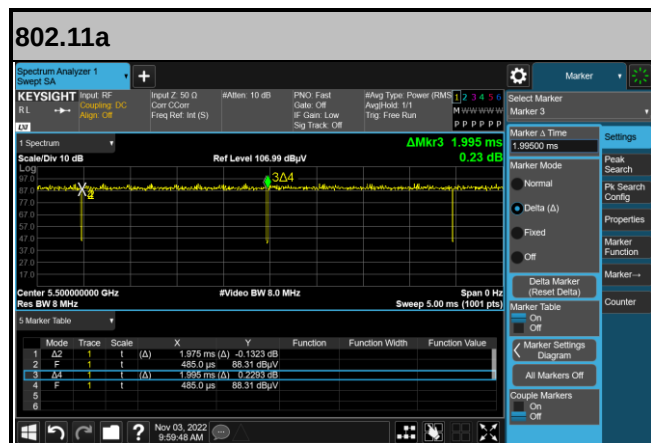
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 HORIZONTAL :	 Site : 03CH20-HY Condition : AV6_54 3m 91200_02360_211102 VERTICAL :
Avg.		



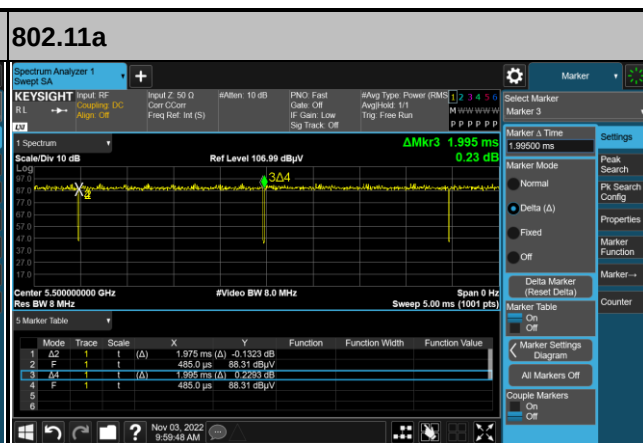
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
0	802.11a	99.00	-	-	10Hz
1	802.11a	99.00	-	-	10Hz
0+1	5GHz 802.11n HT20	99.72	-	-	10Hz
0+1	5GHz 802.11n HT40	99.71	-	-	10Hz
0+1	5GHz 802.11ax HE20 26 RU	99.71	-	-	10Hz
0+1	5GHz 802.11ax HE80 Full RU	99.63	-	-	10Hz

<Ant. 0>



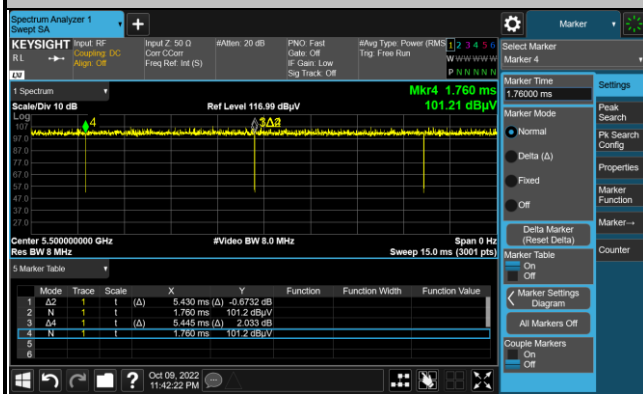
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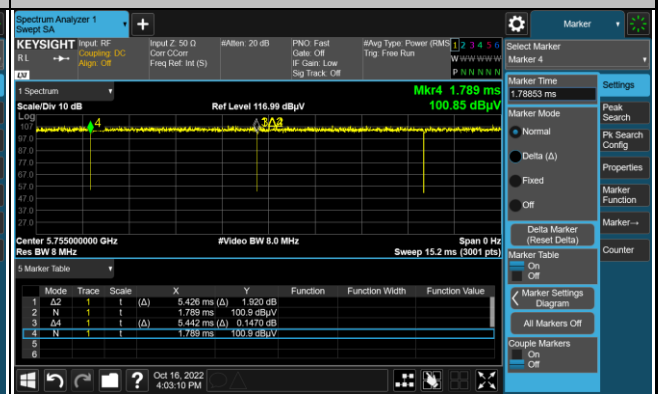


MIMO <Ant. 0+1>

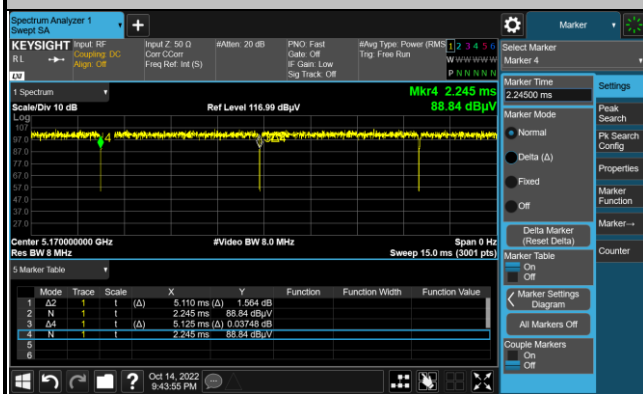
802.11n HT20



802.11n HT40



802.11ax HE20 26 RU



802.11ax HE80 Full RU

