



FCC RF Test Report

APPLICANT : Amazon.com Services LLC
EQUIPMENT : Digital Media Receiver
MODEL NAME : H97N6S
FCC ID : 2A4DH-1022
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure
TEST DATE(S) : Sep. 29, 2022 ~ Dec. 03, 2022

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (ShenZhen)

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR1D0301-03E	Rev. 01	Initial issue of report	Dec. 09, 2022
FR1D0301-03E	Rev. 02	1. Appendix C: (1) Add fundamental frequency note symbol "*" " (2) Modify "calculation example" 2. Update Conducted Emission setup Photographs	Feb. 02, 2023
FR1D0301-03E	Rev. 03	Update test mode	May 02, 2023

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result
3.1	15.403(i)	6dB, 26dB and 99% Occupied Bandwidth	> 500kHz	Pass
3.2	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm	Pass
3.3	15.407(a)	Power Spectral Density	≤ 30 dBm/500kHz	Pass
3.4	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) & 15.209(a)	Pass
3.5	15.207	AC Conducted Emission	15.207(a)	Pass
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1 General Description

1.1 Applicant

Amazon.com Services LLC

410 Terry Avenue N Seattle, WA 98109-5210 United States

1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	H97N6S
FCC ID	2A4DH-1022
SN Code	Conducted: POB2RQ0121740AE3 Conduction: G092360523870021 Radiation: G092370523860039

1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power	802.11a : 18.21 dBm / 0.0662 W 802.11n HT20 : 16.14 dBm / 0.0411 W 802.11n HT40 : 15.80 dBm / 0.0380 W 802.11ac VHT20: 16.06 dBm / 0.0404 W 802.11ac VHT40: 15.76 dBm / 0.0377 W 802.11ac VHT80: 15.53 dBm / 0.0357 W
99% Occupied Bandwidth	802.11a : 16.88 MHz 802.11n HT20 : 17.73 MHz 802.11n HT40 : 36.26 MHz 802.11ac VHT80 : 75.40 MHz
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Antenna Type / Gain	IFA Antenna with gain 4.8 dBi

Note: Note: For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/HT40 by referring to their maximum conducted power.

1.4 Modification of EUT

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



1.5 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO02-SZ 03CH02-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a
2.	CO02-SZ	Rohde&Schwarz	EMC32	10.60.0.0

1.7 Applicable Standards

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

- ♦ 47 CFR Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

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

Note:

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

2.2 Test Mode

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

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT80	MCS0

Simultaneous transmission
802.11a CH165 Tx + Bluetooth LE(2Mbps) CH37 Tx

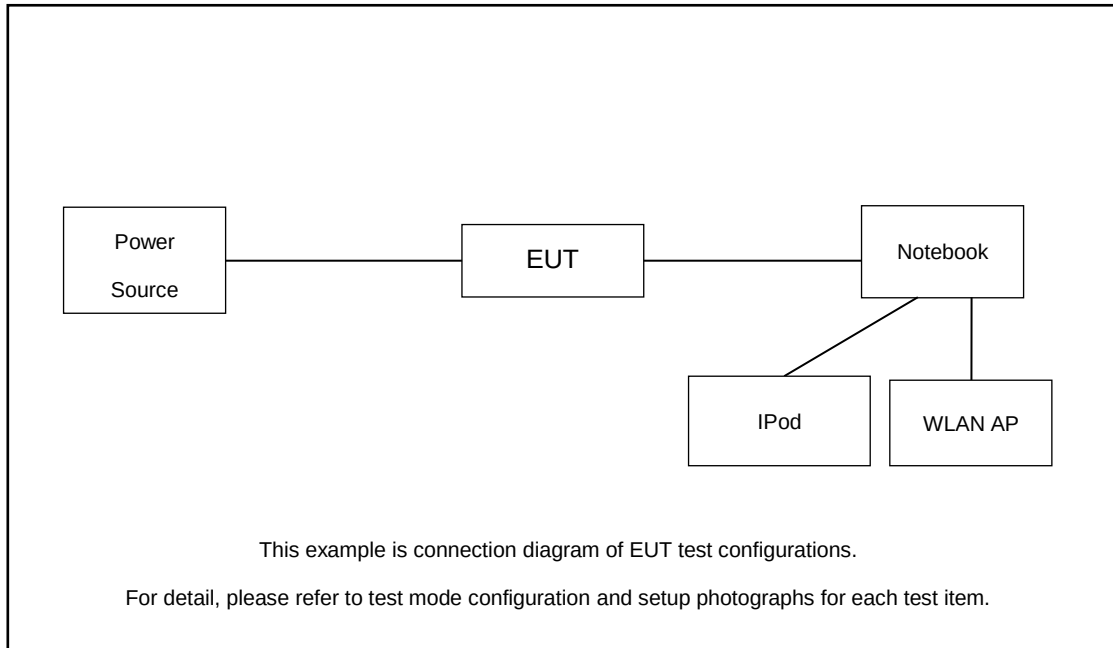
AC Conducted Emission	Mode 1 : All Stress + Bluetooth Link + WLAN Link(5G) + Adapter(PA27NA)
Remark: 1. For Radiated Test Cases, The tests were performed with Adapter. 2. RSE Co-location modes are combination from customer requirement to verify harmonics.	

Ch. #		U-NII-3 : 5745-5825 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

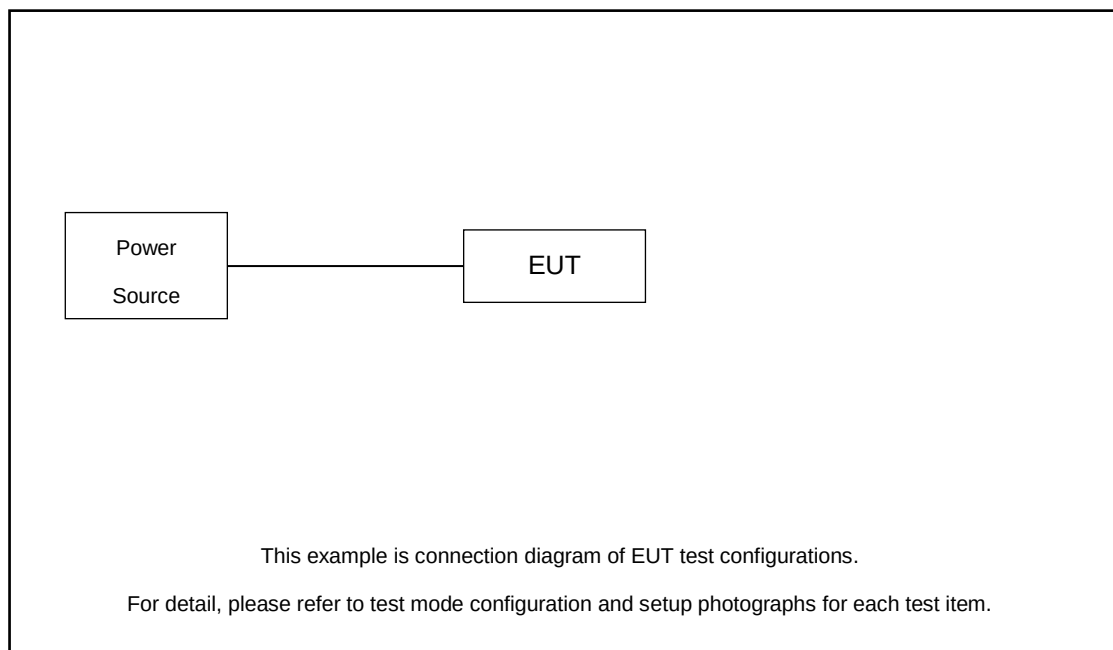
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

For AC Conducted Emission:



For Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	RT-AC66U	Fcc DoC	N/A	Shielded, 1.0m
2.	Notebook	Inspiron 15-7570	Fcc DoC	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
3.	iPod	MC525 ZP/A	Fcc DoC	Shielded, 1.0m	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to Tx mode for continuous transmit.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 2.8 dB and 10dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 2.8 + 10 = 12.8 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

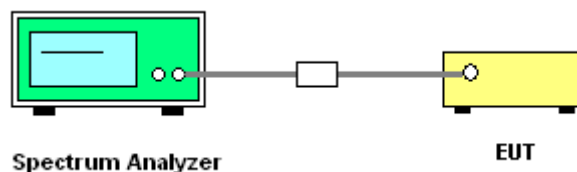
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

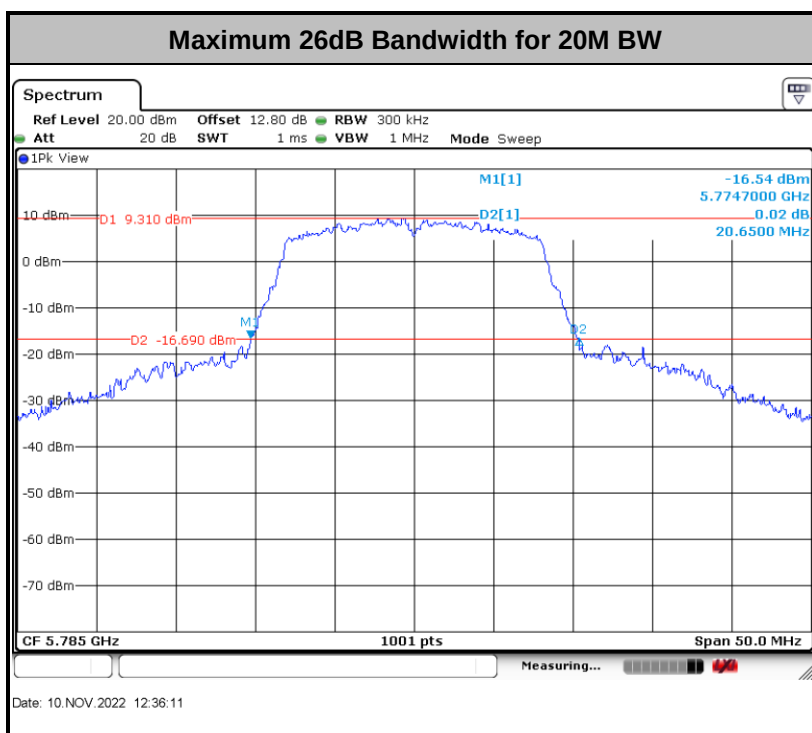
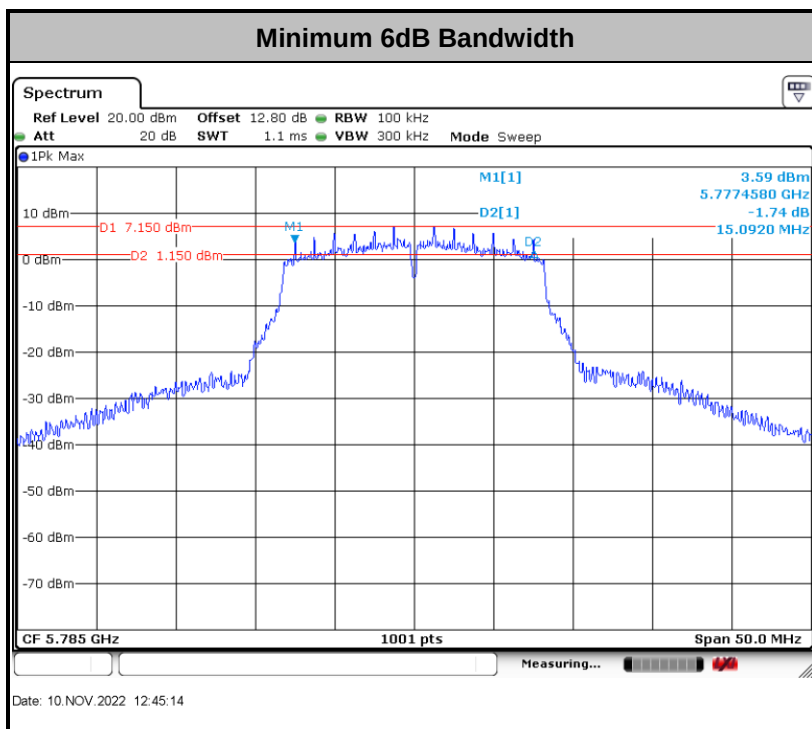
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section C) Emission bandwidth for the band 5.725-5.85GHz
2. For 6dB BW, Set RBW = 100kHz.
For 26dB BW, Set RBW = approximately 1% of the emission bandwidth.
For 99% OBW, Set RBW = 1% to 5% of the OBW.
3. For 26dB BW, Set the VBW > RBW.
For 6dB BW & 99% OBW, Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

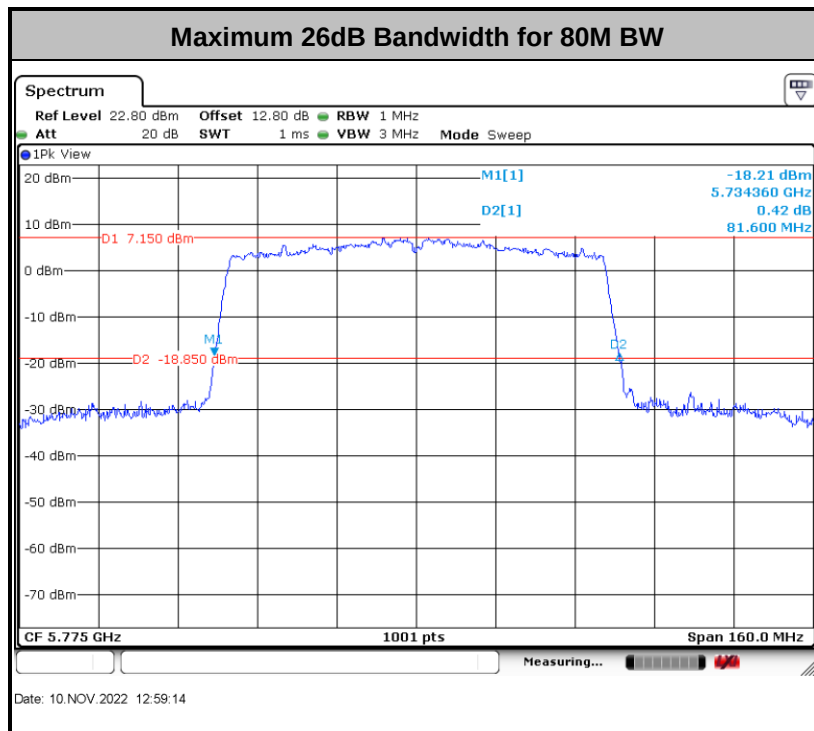
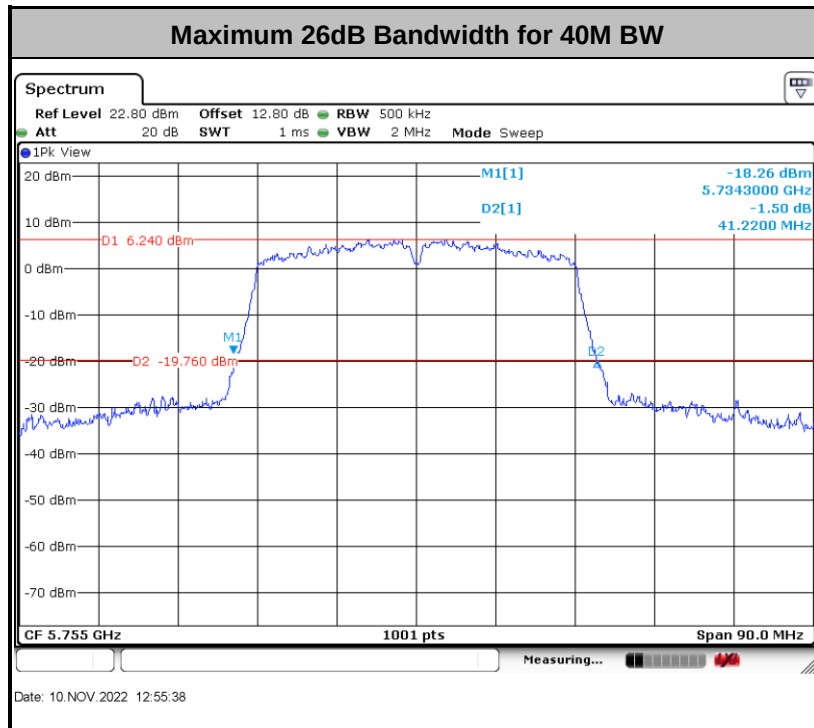
3.1.4 Test Setup

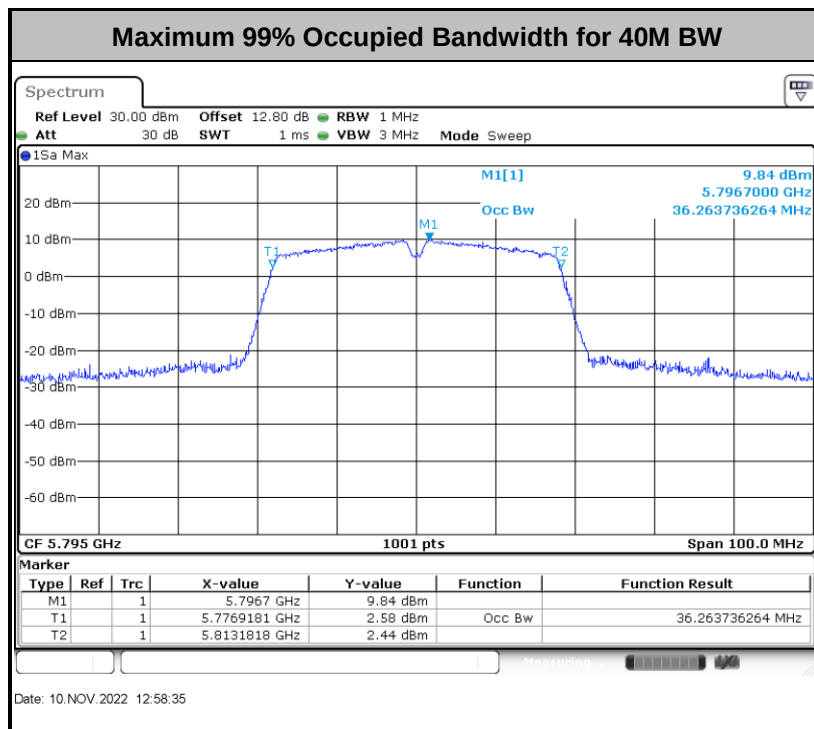
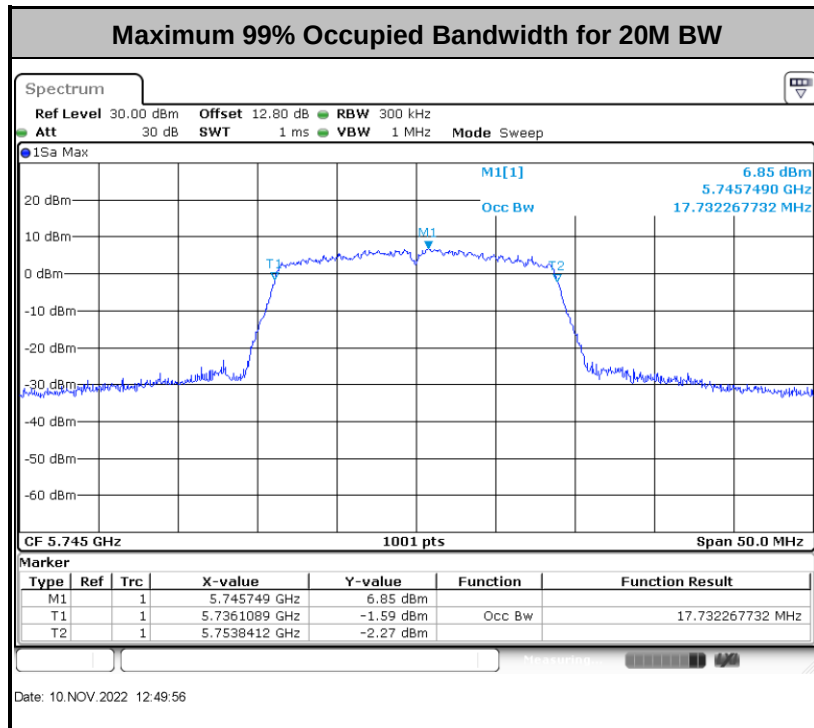


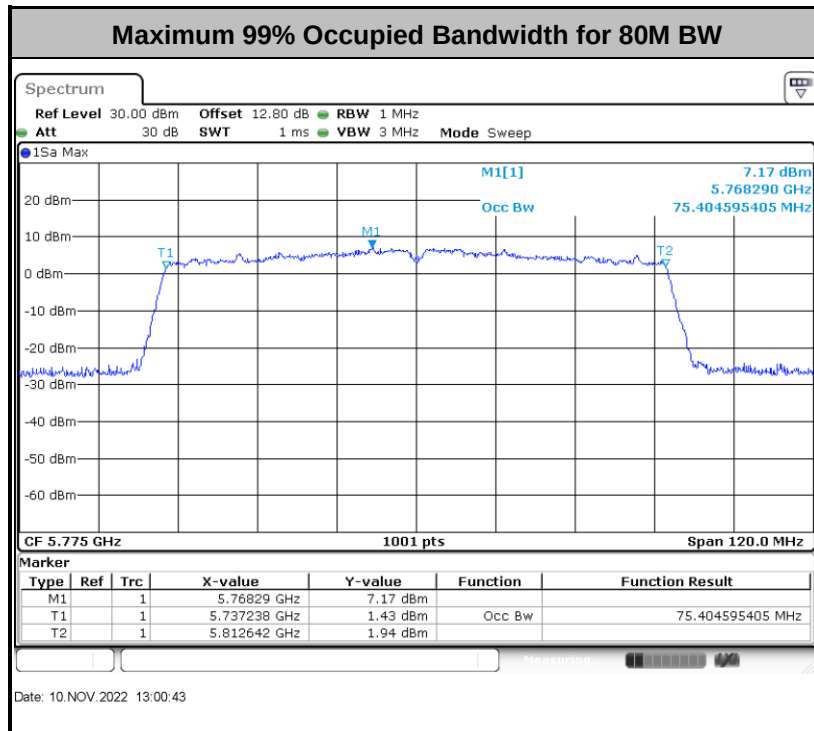
3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.









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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

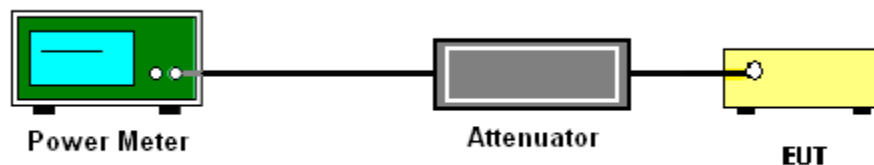
3.2.3 Test Procedures

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

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

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

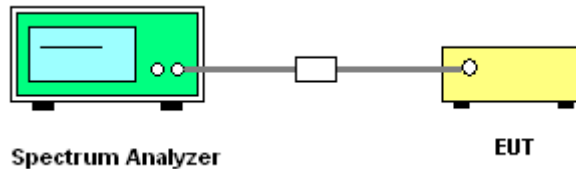
Method SA-2

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 500KHz (or 300 kHz if the SA can't set RBW=500KHz).
- Set VBW $\geq$ 1 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- If the SA can't set RBW=500KHz, then add $10 \log(500\text{kHz}/\text{RBW})$ to the test result
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

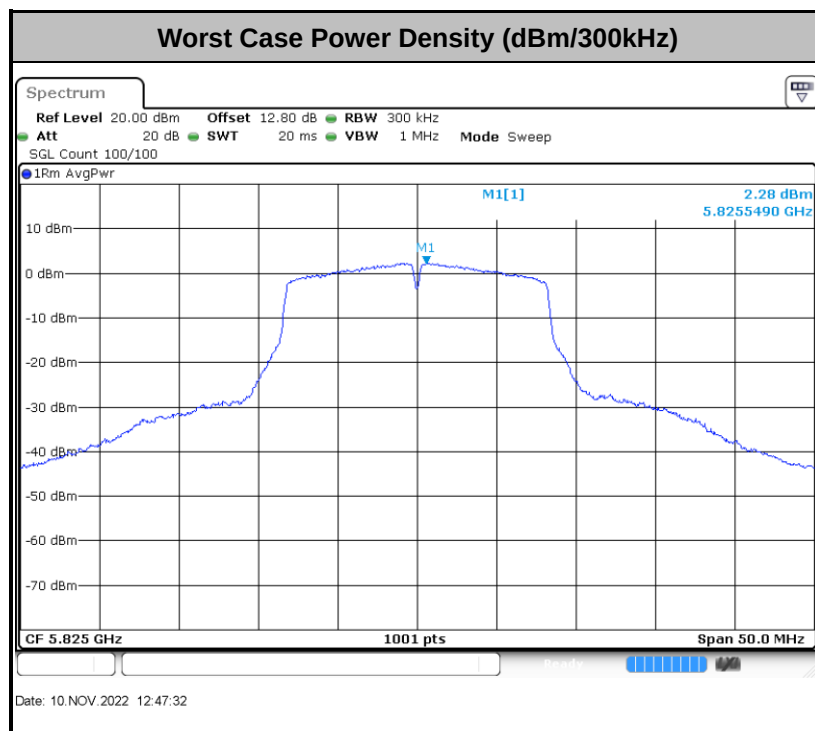
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

$$\text{EIRP} = E_{\text{Meas}} + 20\log(d_{\text{Meas}}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

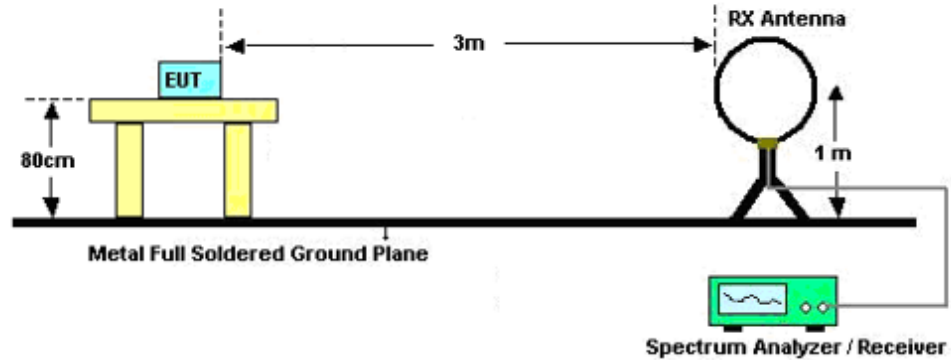


3.4.3 Test Procedures

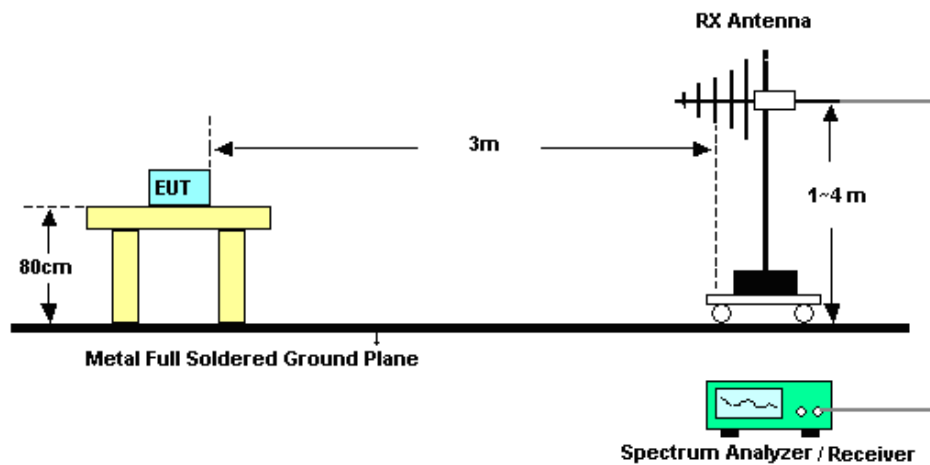
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 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 was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

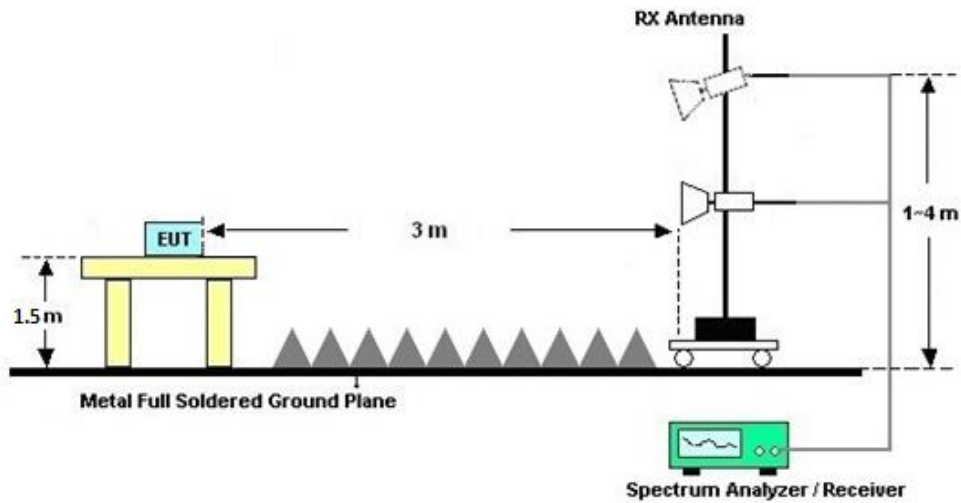
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C&D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C&D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (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.

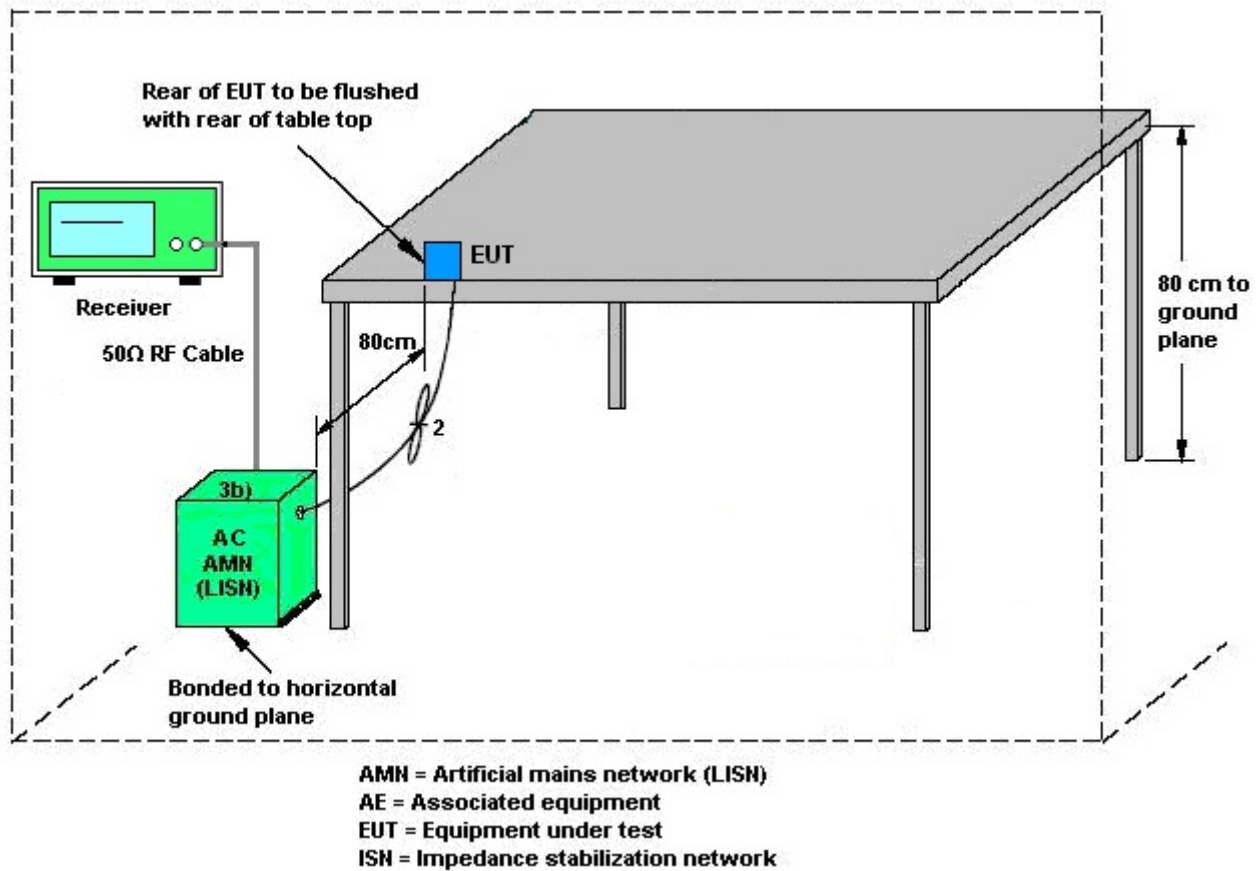
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2022	Nov. 10, 2022	Apr. 06, 2023	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 28, 2021	Nov. 10, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 28, 2021	Nov. 10, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Sep. 29, 2022~Nov. 15, 2022	Jul. 06, 2023	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Sep. 29, 2022~Nov. 15, 2022	Jul. 27, 2023	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Sep. 28, 2022	Sep. 29, 2022~Nov. 15, 2022	Sep. 27, 2023	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 07, 2022	Sep. 29, 2022~Nov. 15, 2022	Jul. 06, 2023	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 07, 2022	Sep. 29, 2022~Nov. 15, 2022	Jul. 06, 2023	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Apr. 10, 2022	Sep. 29, 2022~Nov. 15, 2022	Apr. 09, 2023	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 20, 2021	Sep. 29, 2022~Nov. 15, 2022	Oct. 19, 2022	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 19, 2022		Oct. 18, 2023	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 20, 2021	Sep. 29, 2022~Nov. 15, 2022	Oct. 19, 2022	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 19, 2022		Oct. 18, 2023	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 20, 2021	Sep. 29, 2022~Nov. 15, 2022	Oct. 19, 2022	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 19, 2022		Oct. 18, 2023	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Nov. 11, 2021	Sep. 29, 2022~Nov. 15, 2022	Nov. 10, 2022	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Nov. 10, 2022		Nov. 09, 2023	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Sep. 29, 2022~Nov. 15, 2022	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Sep. 29, 2022~Nov. 15, 2022	NCR	Radiation (03CH02-SZ)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul. 06, 2022	Dec. 03, 2022	Jul. 05, 2023	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul. 06, 2022	Dec. 03, 2022	Jul. 05, 2023	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002470	100Vac~250Vac	NCR	Dec. 03, 2022	NCR	Conduction (CO02-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %
Conducted Power Spectral Density	±1.32 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2dB
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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))	5.0dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1dB
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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))	5.1dB
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----- THE END -----



Appendix A. Conducted Test Results

Test Engineer:	Liu Qiu Qiu	Temperature:	24~26	°C
Test Date:	2022/11/10	Relative Humidity:	50~53	%

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

Band IV									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	6 dB Bandwidth (MHz)	6dB Bandwidth min. Limit (MHz)	Pass/Fail
11a	6M bps	1	149	5745	16.83	20.35	15.14	0.5	Pass
11a	6Mbps	1	157	5785	16.88	20.65	15.09	0.5	Pass
11a	6Mbps	1	165	5825	16.88	20.60	15.14	0.5	Pass
HT20	MCS 0	1	149	5745	17.73	20.50	15.14	0.5	Pass
HT20	MCS 0	1	157	5785	17.73	20.55	15.09	0.5	Pass
HT20	MCS 0	1	165	5825	17.73	20.60	15.09	0.5	Pass
HT40	MCS 0	1	151	5755	36.16	41.22	35.08	0.5	Pass
HT40	MCS 0	1	159	5795	36.26	41.13	35.08	0.5	Pass
VHT80	MCS 0	1	155	5775	75.40	81.60	75.16	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6M bps	1	149	5745	0.16	17.78	30.00	4.80		Pass
11a	6Mbps	1	157	5785	0.16	17.76	30.00	4.80		Pass
11a	6Mbps	1	165	5825	0.16	18.21	30.00	4.80		Pass
HT20	MCS 0	1	149	5745	0.19	15.74	30.00	4.80		Pass
HT20	MCS 0	1	157	5785	0.19	15.67	30.00	4.80		Pass
HT20	MCS 0	1	165	5825	0.19	16.14	30.00	4.80		Pass
HT40	MCS 0	1	151	5755	0.35	15.72	30.00	4.80		Pass
HT40	MCS 0	1	159	5795	0.35	15.80	30.00	4.80		Pass
VHT20	MCS 0	1	149	5745	0.21	15.66	30.00	4.80		Pass
VHT20	MCS 0	1	157	5785	0.21	15.61	30.00	4.80		Pass
VHT20	MCS 0	1	165	5825	0.21	16.06	30.00	4.80		Pass
VHT40	MCS 0	1	151	5755	0.35	15.67	30.00	4.80		Pass
VHT40	MCS 0	1	159	5795	0.35	15.76	30.00	4.80		Pass
VHT80	MCS 0	1	155	5775	0.67	15.53	30.00	4.80		Pass

TEST RESULTS DATA
Power Spectral Density

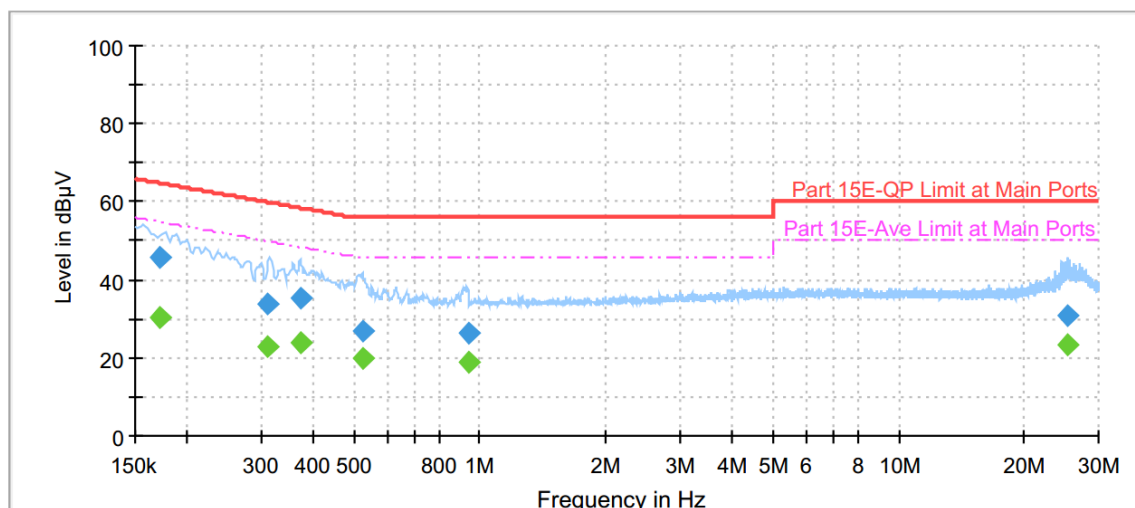
Band IV										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	10log (500kHz /RBW) Factor (dB)	Average Power Density (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass/Fail
11a	6M bps	1	149	5745	0.16	2.22	4.34	30.00	4.80	Pass
11a	6Mbps	1	157	5785	0.16	2.22	4.11	30.00	4.80	Pass
11a	6Mbps	1	165	5825	0.16	2.22	4.65	30.00	4.80	Pass
HT20	MCS 0	1	149	5745	0.19	2.22	1.90	30.00	4.80	Pass
HT20	MCS 0	1	157	5785	0.19	2.22	1.91	30.00	4.80	Pass
HT20	MCS 0	1	165	5825	0.19	2.22	2.34	30.00	4.80	Pass
HT40	MCS 0	1	151	5755	0.35	2.22	-0.91	30.00	4.80	Pass
HT40	MCS 0	1	159	5795	0.35	2.22	-1.03	30.00	4.80	Pass
VHT80	MCS 0	1	155	5775	0.67	2.22	-3.91	30.00	4.80	Pass



Appendix B. AC Conducted Emission Test Results

Test Engineer :	Zhang Tao	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

Full Spectrum

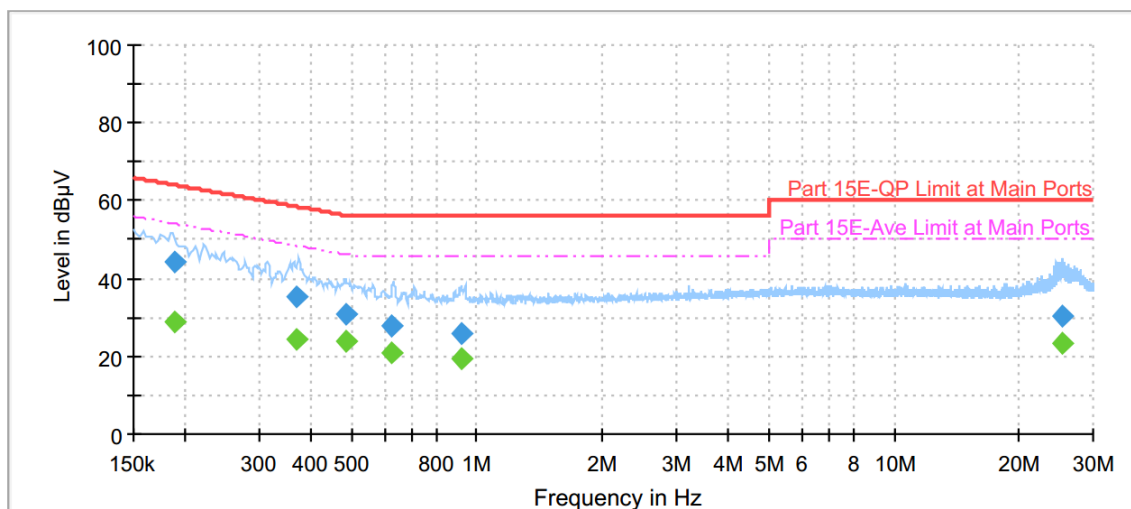


Final Result

Frequency (MHz)	Quasi Peak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.172500	45.56	---	64.84	19.28	L1	OFF	19.7
0.172500	---	30.55	54.84	24.29	L1	OFF	19.7
0.309750	33.74	---	59.98	26.23	L1	OFF	19.7
0.309750	---	23.03	49.98	26.95	L1	OFF	19.7
0.371850	35.25	---	58.46	23.21	L1	OFF	19.7
0.371850	---	24.10	48.46	24.36	L1	OFF	19.7
0.528000	26.90	---	56.00	29.10	L1	OFF	19.7
0.528000	---	19.69	46.00	26.31	L1	OFF	19.7
0.937500	26.17	---	56.00	29.83	L1	OFF	19.8
0.937500	---	19.15	46.00	26.85	L1	OFF	19.8
25.280250	30.69	---	60.00	29.31	L1	OFF	20.5
25.280250	---	23.60	50.00	26.40	L1	OFF	20.5

Test Engineer :	Zhang Tao	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

Full Spectrum



Final Result

Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.188250	44.04	---	64.11	20.07	N	OFF	19.7
0.188250	---	28.83	54.11	25.28	N	OFF	19.7
0.370500	35.56	---	58.49	22.93	N	OFF	19.7
0.370500	---	24.41	48.49	24.08	N	OFF	19.7
0.487500	31.08	---	56.21	25.13	N	OFF	19.7
0.487500	---	23.76	46.21	22.45	N	OFF	19.7
0.624750	27.64	---	56.00	28.36	N	OFF	19.7
0.624750	---	20.93	46.00	25.07	N	OFF	19.7
0.917340	26.10	---	56.00	29.90	N	OFF	19.7
0.917340	---	19.22	46.00	26.78	N	OFF	19.7
25.289250	30.38	---	60.00	29.62	N	OFF	20.5
25.289250	---	23.33	50.00	26.67	N	OFF	20.5



Appendix C. Radiated Spurious Emission

U-NII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5600.4	52.35	-15.95	68.3	37.97	34.87	10.05	30.54	100	299	P	H
		5700	53.2	-52	105.2	38.66	35	10.12	30.58	100	299	P	H
		5719.2	59.99	-50.59	110.58	45.4	35.06	10.12	30.59	100	299	P	H
		5725	65.78	-56.42	122.2	51.19	35.06	10.12	30.59	100	299	P	H
	*	5745	108.02	-	-	93.39	35.09	10.14	30.6	100	299	P	H
	*	5745	100.5	-	-	85.87	35.09	10.14	30.6	100	299	A	H
		5632.8	51.8	-16.5	68.3	37.36	34.92	10.07	30.55	253	310	P	V
		5670.4	52.99	-30.4	83.39	38.49	34.98	10.09	30.57	253	310	P	V
		5719.6	62.22	-48.47	110.69	47.63	35.06	10.12	30.59	253	310	P	V
		5723.6	66.82	-52.19	119.01	52.23	35.06	10.12	30.59	253	310	P	V
	*	5745	108.25	-	-	93.62	35.09	10.14	30.6	253	310	P	V
	*	5745	101.86	-	-	87.23	35.09	10.14	30.6	253	310	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		5628.6	53.67	-14.63	68.3	39.26	34.89	10.07	30.55	100	299	P	H
		5683	54.2	-38.49	92.69	39.7	34.98	10.09	30.57	100	299	P	H
		5716.4	53.5	-56.29	109.79	38.94	35.03	10.12	30.59	100	299	P	H
		5723.4	52.93	-65.62	118.55	38.34	35.06	10.12	30.59	100	299	P	H
	*	5785	107.92	-	-	93.23	35.14	10.16	30.61	100	299	P	H
	*	5785	101.17	-	-	86.48	35.14	10.16	30.61	100	299	A	H
		5854.8	52.37	-58.89	111.26	37.54	35.28	10.19	30.64	100	299	P	H
		5859.2	54.49	-55.13	109.62	39.64	35.28	10.21	30.64	100	299	P	H
		5889.8	53.63	-40.59	94.22	38.74	35.33	10.21	30.65	100	299	P	H
		5930.8	52.43	-15.87	68.3	37.47	35.39	10.24	30.67	100	299	P	H
		5625.6	52.99	-15.31	68.3	38.58	34.89	10.07	30.55	221	302	P	V
		5689.6	53.85	-43.7	97.55	39.34	35	10.09	30.58	221	302	P	V
		5709.2	53.47	-54.31	107.78	38.9	35.03	10.12	30.58	221	302	P	V
		5722.2	53.24	-62.58	115.82	38.65	35.06	10.12	30.59	221	302	P	V
	*	5785	109.09	-	-	94.4	35.14	10.16	30.61	221	302	P	V
	*	5785	102.03	-	-	87.34	35.14	10.16	30.61	221	302	A	V
		5851.6	52.63	-65.92	118.55	37.83	35.25	10.19	30.64	221	302	P	V
		5863	54.22	-54.34	108.56	39.37	35.28	10.21	30.64	221	302	P	V
		5876.4	52.55	-51.61	104.16	37.68	35.31	10.21	30.65	221	302	P	V
		5942.6	53.74	-14.56	68.3	38.73	35.42	10.26	30.67	221	302	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	*	5825	107.86	-	-	93.08	35.22	10.19	30.63	100	282	P	H
	*	5825	101	-	-	86.22	35.22	10.19	30.63	100	282	A	H
		5854.2	59.04	-53.58	112.62	44.21	35.28	10.19	30.64	100	282	P	H
		5856.2	57.77	-52.69	110.46	42.92	35.28	10.21	30.64	100	282	P	H
		5896.2	52.73	-36.74	89.47	37.82	35.33	10.24	30.66	100	282	P	H
		5947.6	52.17	-16.13	68.3	37.17	35.42	10.26	30.68	100	282	P	H
	*	5825	108.53	-	-	93.75	35.22	10.19	30.63	235	307	P	V
	*	5825	101.55	-	-	86.77	35.22	10.19	30.63	235	307	A	V
		5852.6	60.76	-55.51	116.27	45.96	35.25	10.19	30.64	235	307	P	V
		5855.2	58.22	-52.52	110.74	43.39	35.28	10.19	30.64	235	307	P	V
		5896.8	54.02	-35.01	89.03	39.11	35.33	10.24	30.66	235	307	P	V
		5947.4	52.52	-15.78	68.3	37.52	35.42	10.26	30.68	235	307	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 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	50.34	-23.66	74	55.67	38.34	14.24	57.91	-	-	P	H
		17235	50.64	-17.66	68.3	48.17	42.27	17.03	56.83	-	-	P	H
		11490	50.5	-23.5	74	55.83	38.34	14.24	57.91	-	-	P	V
		17235	50.89	-17.41	68.3	48.42	42.27	17.03	56.83	-	-	P	V
802.11a CH 157 5785MHz		11570	50.7	-23.3	74	56.23	38.68	13.7	57.91	-	-	P	H
		17355	50.85	-17.45	68.3	49.96	41.34	16.5	56.95	-	-	P	H
		11570	50.68	-23.32	74	56.21	38.68	13.7	57.91	-	-	P	V
		17355	50.4	-17.9	68.3	49.51	41.34	16.5	56.95	-	-	P	V
802.11a CH 165 5825MHz		11650	49.9	-24.1	74	55.18	38.48	14.17	57.93	-	-	P	H
		17475	50.7	-17.6	68.3	48.86	41.94	16.97	57.07	-	-	P	H
		11650	50.31	-23.69	74	55.59	38.48	14.17	57.93	-	-	P	V
		17475	50.47	-17.83	68.3	48.63	41.94	16.97	57.07	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 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)
802.11n HT20 CH 149 5745MHz		5600.4	51.42	-16.88	68.3	37.04	34.87	10.05	30.54	100	301	P	H
		5683	53.23	-39.46	92.69	38.73	34.98	10.09	30.57	100	301	P	H
		5719.6	56.81	-53.88	110.69	42.22	35.06	10.12	30.59	100	301	P	H
		5725	62.17	-60.03	122.2	47.58	35.06	10.12	30.59	100	301	P	H
	*	5745	105.71	-	-	91.08	35.09	10.14	30.6	100	301	P	H
	*	5745	99.52	-	-	84.89	35.09	10.14	30.6	100	301	A	H
		5647.4	50.84	-17.46	68.3	36.41	34.92	10.07	30.56	239	300	P	V
		5699	52.54	-51.93	104.47	38.03	35	10.09	30.58	239	300	P	V
		5720	57.68	-53.12	110.8	43.09	35.06	10.12	30.59	239	300	P	V
		5724.2	63.74	-56.64	120.38	49.15	35.06	10.12	30.59	239	300	P	V
	*	5745	106.52	-	-	91.89	35.09	10.14	30.6	239	300	P	V
	*	5745	100.1	-	-	85.47	35.09	10.14	30.6	239	300	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)
802.11n HT20 CH 157 5785MHz		5635.8	53.04	-15.26	68.3	38.61	34.92	10.07	30.56	100	301	P	H
		5699.6	54.36	-50.55	104.91	39.82	35	10.12	30.58	100	301	P	H
		5710.2	52.53	-55.53	108.06	37.96	35.03	10.12	30.58	100	301	P	H
		5724.8	52.19	-69.55	121.74	37.6	35.06	10.12	30.59	100	301	P	H
	*	5785	106.18	-	-	91.49	35.14	10.16	30.61	100	301	P	H
	*	5785	99.17	-	-	84.48	35.14	10.16	30.61	100	301	A	H
		5850.6	53.86	-66.97	120.83	39.06	35.25	10.19	30.64	100	301	P	H
		5861.8	53.05	-55.84	108.89	38.2	35.28	10.21	30.64	100	301	P	H
		5910.2	53.68	-25.44	79.12	38.74	35.36	10.24	30.66	100	301	P	H
		5934.8	52.11	-16.19	68.3	37.13	35.39	10.26	30.67	100	301	P	H
		5614.4	52.92	-15.38	68.3	38.55	34.87	10.05	30.55	234	308	P	V
		5679.2	52.2	-37.69	89.89	37.7	34.98	10.09	30.57	234	308	P	V
		5706	53.11	-53.77	106.88	38.54	35.03	10.12	30.58	234	308	P	V
		5724	53.37	-66.55	119.92	38.78	35.06	10.12	30.59	234	308	P	V
	*	5785	106.88	-	-	92.19	35.14	10.16	30.61	234	308	P	V
	*	5785	100.18	-	-	85.49	35.14	10.16	30.61	234	308	A	V
		5853	53.21	-62.15	115.36	38.41	35.25	10.19	30.64	234	308	P	V
		5861	52.21	-56.91	109.12	37.36	35.28	10.21	30.64	234	308	P	V
		5878.6	53.09	-49.44	102.53	38.22	35.31	10.21	30.65	234	308	P	V
		5938.4	51.94	-16.36	68.3	36.96	35.39	10.26	30.67	234	308	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)
802.11n HT20 CH 165 5825MHz	*	5825	105.3	-	-	90.52	35.22	10.19	30.63	100	301	P	H
	*	5825	98.63	-	-	83.85	35.22	10.19	30.63	100	301	A	H
		5852.6	56.73	-59.54	116.27	41.93	35.25	10.19	30.64	100	301	P	H
		5861.2	54.48	-54.58	109.06	39.63	35.28	10.21	30.64	100	301	P	H
		5917	53.28	-20.82	74.1	38.34	35.36	10.24	30.66	100	301	P	H
		5934.4	52.18	-16.12	68.3	37.2	35.39	10.26	30.67	100	301	P	H
	*	5825	107.12	-	-	92.34	35.22	10.19	30.63	235	302	P	V
	*	5825	100.37	-	-	85.59	35.22	10.19	30.63	235	302	A	V
		5851.4	58.03	-60.98	119.01	43.23	35.25	10.19	30.64	235	302	P	V
		5863.6	54.09	-54.3	108.39	39.24	35.28	10.21	30.64	235	302	P	V
		5917.8	52.92	-20.59	73.51	37.98	35.36	10.24	30.66	235	302	P	V
		5930	52.48	-15.82	68.3	37.52	35.39	10.24	30.67	235	302	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11n HT20 (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)
802.11n		11490	49.68	-24.32	74	55.31	38.58	13.7	57.91	-	-	P	H
HT20		17235	50.71	-17.59	68.3	49.72	41.29	16.53	56.83	-	-	P	H
CH 149		11490	50.11	-23.89	74	55.74	38.58	13.7	57.91	-	-	P	V
5745MHz		17235	50.97	-17.33	68.3	49.98	41.29	16.53	56.83	-	-	P	V
802.11n		11570	49.95	-24.05	74	55.48	38.68	13.7	57.91	-	-	P	H
HT20		17355	50.15	-18.15	68.3	49.26	41.34	16.5	56.95	-	-	P	H
CH 157		11570	50.03	-23.97	74	55.56	38.68	13.7	57.91	-	-	P	V
5785MHz		17355	50.82	-17.48	68.3	49.93	41.34	16.5	56.95	-	-	P	V
802.11n		11650	49.46	-24.54	74	54.93	38.77	13.69	57.93	-	-	P	H
HT20		17475	50.7	-17.6	68.3	49.91	41.39	16.47	57.07	-	-	P	H
CH 165		11650	50.46	-23.54	74	55.93	38.77	13.69	57.93	-	-	P	V
5825MHz		17475	50.76	-17.54	68.3	49.97	41.39	16.47	57.07	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 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)
802.11n HT40 CH 151 5755MHz		5623.2	52.98	-15.32	68.3	38.57	34.89	10.07	30.55	100	300	P	H
		5699.8	56.11	-48.94	105.05	41.57	35	10.12	30.58	100	300	P	H
		5720	62.98	-47.82	110.8	48.39	35.06	10.12	30.59	100	300	P	H
		5723.2	64.25	-53.85	118.1	49.66	35.06	10.12	30.59	100	300	P	H
	*	5755	103.9	-	-	89.25	35.11	10.14	30.6	100	300	P	H
	*	5755	97.31	-	-	82.66	35.11	10.14	30.6	100	300	A	H
		5851.6	51.91	-66.64	118.55	37.11	35.25	10.19	30.64	100	300	P	H
		5861.8	52.63	-56.26	108.89	37.78	35.28	10.21	30.64	100	300	P	H
		5890.6	53.45	-40.17	93.62	38.56	35.33	10.21	30.65	100	300	P	H
		5931.2	53	-15.3	68.3	38.04	35.39	10.24	30.67	100	300	P	H
		5621.4	52.76	-15.54	68.3	38.37	34.89	10.05	30.55	236	302	P	V
		5699	55.53	-48.94	104.47	41.02	35	10.09	30.58	236	302	P	V
		5719.6	62.51	-48.18	110.69	47.92	35.06	10.12	30.59	236	302	P	V
		5721	63.13	-49.95	113.08	48.54	35.06	10.12	30.59	236	302	P	V
	*	5755	104.26	-	-	89.61	35.11	10.14	30.6	236	302	P	V
	*	5755	97.44	-	-	82.79	35.11	10.14	30.6	236	302	A	V
		5851.6	52.88	-65.67	118.55	38.08	35.25	10.19	30.64	236	302	P	V
		5869.4	52.55	-54.22	106.77	37.71	35.28	10.21	30.65	236	302	P	V
		5904.8	52.4	-30.71	83.11	37.46	35.36	10.24	30.66	236	302	P	V
		5929.6	51.86	-16.44	68.3	36.9	35.39	10.24	30.67	236	302	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)
802.11n HT40 CH 159 5795MHz		5644.2	52.26	-16.04	68.3	37.83	34.92	10.07	30.56	100	285	P	H
		5669.2	52.29	-30.22	82.51	37.79	34.98	10.09	30.57	100	285	P	H
		5717.8	53.01	-57.17	110.18	38.42	35.06	10.12	30.59	100	285	P	H
		5725	52.57	-69.63	122.2	37.98	35.06	10.12	30.59	100	285	P	H
	*	5795	102.36	-	-	87.65	35.17	10.16	30.62	100	285	P	H
	*	5795	95.65	-	-	80.94	35.17	10.16	30.62	100	285	A	H
		5850.8	54.66	-65.72	120.38	39.86	35.25	10.19	30.64	100	285	P	H
		5857.6	54.8	-55.27	110.07	39.95	35.28	10.21	30.64	100	285	P	H
		5912.8	53.05	-24.15	77.2	38.11	35.36	10.24	30.66	100	285	P	H
		5935.8	52.44	-15.86	68.3	37.46	35.39	10.26	30.67	100	285	P	H
		5648.6	52.18	-16.12	68.3	37.75	34.92	10.07	30.56	236	307	P	V
		5671.4	53.04	-31.09	84.13	38.54	34.98	10.09	30.57	236	307	P	V
		5715.4	53.35	-56.16	109.51	38.79	35.03	10.12	30.59	236	307	P	V
		5724.2	53.36	-67.02	120.38	38.77	35.06	10.12	30.59	236	307	P	V
	*	5795	104.09	-	-	89.38	35.17	10.16	30.62	236	307	P	V
	*	5795	96.76	-	-	82.05	35.17	10.16	30.62	236	307	A	V
		5851	54.19	-65.73	119.92	39.39	35.25	10.19	30.64	236	307	P	V
		5857.4	53.28	-56.85	110.13	38.43	35.28	10.21	30.64	236	307	P	V
		5888.8	52.72	-42.24	94.96	37.83	35.33	10.21	30.65	236	307	P	V
		5945.2	52.49	-15.81	68.3	37.48	35.42	10.26	30.67	236	307	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11n HT40 (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)
802.11n		11510	49.27	-24.73	74	54.87	38.6	13.7	57.9	-	-	P	H
HT40		17265	50.75	-17.55	68.3	49.79	41.31	16.52	56.87	-	-	P	H
CH 151		11510	49.44	-24.56	74	55.04	38.6	13.7	57.9	-	-	P	V
5755MHz		17265	50.02	-18.28	68.3	49.06	41.31	16.52	56.87	-	-	P	V
802.11n		11590	49.43	-24.57	74	54.96	38.7	13.69	57.92	-	-	P	H
HT40		17385	50.42	-17.88	68.3	49.55	41.36	16.49	56.98	-	-	P	H
CH 159		11590	49.68	-24.32	74	55.21	38.7	13.69	57.92	-	-	P	V
5795MHz		17385	50.6	-17.7	68.3	49.73	41.36	16.49	56.98	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 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)
802.11ac VHT80 CH 155 5775MHz		5643.4	52.74	-15.56	68.3	38.31	34.92	10.07	30.56	100	300	P	H
		5698.8	61.26	-43.06	104.32	46.75	35	10.09	30.58	100	300	P	H
		5714	61.83	-47.29	109.12	47.27	35.03	10.12	30.59	100	300	P	H
		5721.6	62.06	-52.39	114.45	47.47	35.06	10.12	30.59	100	300	P	H
	*	5775	100.85	-	-	86.18	35.14	10.14	30.61	100	300	P	H
	*	5775	94.51	-	-	79.84	35.14	10.14	30.61	100	300	A	H
		5850.2	57.68	-64.06	121.74	42.88	35.25	10.19	30.64	100	300	P	H
		5855	56.24	-54.56	110.8	41.41	35.28	10.19	30.64	100	300	P	H
		5879	53.51	-48.72	102.23	38.64	35.31	10.21	30.65	100	300	P	H
		5948.4	52.34	-15.96	68.3	37.34	35.42	10.26	30.68	100	300	P	H
		5641.8	53.12	-15.18	68.3	38.69	34.92	10.07	30.56	232	308	P	V
		5699	61	-43.47	104.47	46.49	35	10.09	30.58	232	308	P	V
		5714.8	62.18	-47.17	109.35	47.62	35.03	10.12	30.59	232	308	P	V
		5722.6	62.8	-53.93	116.73	48.21	35.06	10.12	30.59	232	308	P	V
	*	5775	100.92	-	-	86.25	35.14	10.14	30.61	232	308	P	V
	*	5775	94.54	-	-	79.87	35.14	10.14	30.61	232	308	A	V
		5854.6	58.55	-53.16	111.71	43.72	35.28	10.19	30.64	232	308	P	V
		5855.8	56.62	-53.96	110.58	41.77	35.28	10.21	30.64	232	308	P	V
		5878.2	56.46	-46.36	102.82	41.59	35.31	10.21	30.65	232	308	P	V
		5935.6	52.4	-15.9	68.3	37.42	35.39	10.26	30.67	232	308	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**U-NII-3 5725~5850MHz****WIFI 802.11ac VHT80 (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)
802.11ac		11550	49.77	-24.23	74	55.32	38.66	13.7	57.91	-	-	P	H
VHT80		17325	50.26	-18.04	68.3	49.35	41.33	16.5	56.92	-	-	P	H
CH 155		11550	49.68	-24.32	74	55.23	38.66	13.7	57.91	-	-	P	V
5775MHz		17325	50.08	-18.22	68.3	49.17	41.33	16.5	56.92	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

Emission below 1GHz

WIFI 802.11a (LF @ 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 LF		102.75	21.43	-22.07	43.5	40.11	15.3	1.21	35.19	-	-	P	H
		196.84	25.73	-17.77	43.5	42.46	16.51	1.86	35.1	-	-	P	H
		320.03	26.73	-19.27	46	38.97	20.23	2.43	34.9	-	-	P	H
		532.46	23.52	-22.48	46	30.53	24.44	3.19	34.64	-	-	P	H
		736.16	26.25	-19.75	46	29.31	27.56	3.81	34.43	-	-	P	H
		974.78	29.79	-24.21	54	29.61	29.99	4.34	34.15	-	-	P	H
		36.79	25.86	-14.14	40	40.87	19.38	0.61	35	-	-	P	V
		196.84	28.01	-15.49	43.5	44.74	16.51	1.86	35.1	-	-	P	V
		332.64	24.29	-21.71	46	36.09	20.63	2.47	34.9	-	-	P	V
		571.26	27.11	-18.89	46	33.08	25.21	3.38	34.56	-	-	P	V
		792.42	27.9	-18.1	46	30.14	28.15	3.93	34.32	-	-	P	V
		988.36	29.84	-24.16	54	29.48	30.13	4.35	34.12	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Co-location:

U-NII-3 - 5725~5850MHz

802.11a CH165 5825MHz+BLE CH37 2476 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH165 5825MHz+BLE CH37 2476		4952	43.04	-30.96	74	57.18	33.7	10.06	57.9	-	-	P	H
		7428	46.13	-27.87	74	57.76	35.77	12.41	59.81	-	-	P	H
		11650	50.77	-23.23	74	56.05	38.48	14.17	57.93	-	-	P	H
		17475	52.45	-15.85	68.3	50.61	41.94	16.97	57.07	-	-	P	H
		4952	43.83	-30.17	74	57.97	33.7	10.06	57.9	-	-	P	V
		7428	46.46	-27.54	74	58.09	35.77	12.41	59.81	-	-	P	V
		11650	50.07	-23.93	74	55.35	38.48	14.17	57.93	-	-	P	V
		17475	52.78	-15.52	68.3	50.94	41.94	16.97	57.07	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is Margin 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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. 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) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

Note symbol

-L	Low channel location
-R	High channel location



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

WIFI	U-NII-3 5725~5850MHz Band Edge @ 3m																																																																																																										
ANT	802.11a CH149 5745MHz																																																																																																										
1	Horizontal	Fundamental																																																																																																									
Peak	Date: 1 Date: 2022-11-14 PEAK: 115.52 Site : 03CH02-SZ Condition : PEAK_BE(B4)_16-24 3m HF_ANT_1117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 30 SN : #20 G092370523860039 Plane : Y with Accessory setting : 6M power setting 10 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5680.40</td><td>52.35</td><td>-15.95</td><td>68.30</td><td>37.97</td><td>54.87</td><td>18.85</td><td>30.54</td><td>100</td><td>299 Peak</td></tr><tr><td>2</td><td>5700.00</td><td>53.39</td><td>-12.80</td><td>105.19</td><td>38.66</td><td>35.80</td><td>18.12</td><td>30.18</td><td>100</td><td>299 Peak</td></tr><tr><td>3</td><td>5725.20</td><td>59.99</td><td>-8.59</td><td>119.58</td><td>45.48</td><td>35.86</td><td>18.12</td><td>30.59</td><td>100</td><td>299 Peak</td></tr><tr><td>4</td><td>5725.00</td><td>65.79</td><td>-16.42</td><td>122.20</td><td>51.19</td><td>35.86</td><td>18.12</td><td>30.59</td><td>100</td><td>299 Peak</td></tr></table>	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	5680.40	52.35	-15.95	68.30	37.97	54.87	18.85	30.54	100	299 Peak	2	5700.00	53.39	-12.80	105.19	38.66	35.80	18.12	30.18	100	299 Peak	3	5725.20	59.99	-8.59	119.58	45.48	35.86	18.12	30.59	100	299 Peak	4	5725.00	65.79	-16.42	122.20	51.19	35.86	18.12	30.59	100	299 Peak	Date: 2 Date: 2022-11-14 PEAK: 115.40 Site : 03CH02-SZ Condition : PEAK_BE(B4)_16-24 3m HF_ANT_1117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 30 SN : #20 G092370523860039 Plane : Y with Accessory setting : 6M power setting 10 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5745.00</td><td>108.82</td><td>39.72</td><td>68.30</td><td>95.39</td><td>35.80</td><td>18.14</td><td>30.68</td><td>100</td><td>299 Peak</td></tr><tr><td>2</td><td>5745.00</td><td>108.58</td><td>.....</td><td>85.27</td><td>35.80</td><td>18.14</td><td>30.68</td><td>100</td><td>299 Average</td></tr></table>	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	5745.00	108.82	39.72	68.30	95.39	35.80	18.14	30.68	100	299 Peak	2	5745.00	108.58		85.27	35.80	18.14	30.68	100	299 Average
	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																	
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Peak	Date: 3 Date: 2022-11-14 Site : 03CH02-SZ Condition : PEAK_BE(BA)_16-24 3m HF_ANT_3117_0107 VERTICAL Project : 120301-03 Mode : Mode 30 SN : #20 G92270523900039 Plane : Y with Accessory setting : GM power setting 15 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5632.08</td><td>51.88</td><td>-16.58</td><td>68.38</td><td>37.36</td><td>34.92</td><td>18.87</td><td>38.55</td><td>253</td><td>318</td><td>Peak</td></tr><tr><td>2</td><td>5678.48</td><td>52.39</td><td>-16.48</td><td>63.39</td><td>38.49</td><td>34.58</td><td>18.89</td><td>38.57</td><td>253</td><td>318</td><td>Peak</td></tr><tr><td>3</td><td>5715.08</td><td>62.22</td><td>-48.47</td><td>118.69</td><td>47.63</td><td>35.86</td><td>18.12</td><td>38.59</td><td>253</td><td>318</td><td>Peak</td></tr><tr><td>4</td><td>5723.08</td><td>66.82</td><td>-52.15</td><td>119.81</td><td>52.13</td><td>35.86</td><td>18.12</td><td>38.59</td><td>253</td><td>318</td><td>Peak</td></tr></table>		Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	5632.08	51.88	-16.58	68.38	37.36	34.92	18.87	38.55	253	318	Peak	2	5678.48	52.39	-16.48	63.39	38.49	34.58	18.89	38.57	253	318	Peak	3	5715.08	62.22	-48.47	118.69	47.63	35.86	18.12	38.59	253	318	Peak	4	5723.08	66.82	-52.15	119.81	52.13	35.86	18.12	38.59	253	318	Peak	Date: 4 Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 120301-03 Mode : Mode 30 SN : #20 G92270523900039 Plane : Y with Accessory setting : GM power setting 15 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5745.08</td><td>148.25</td><td>39.95</td><td>68.38</td><td>93.62</td><td>35.89</td><td>18.14</td><td>38.68</td><td>253</td><td>318</td><td>Peak</td></tr><tr><td>2</td><td>5745.08</td><td>148.86</td><td>.....</td><td>87.23</td><td>35.89</td><td>18.14</td><td>38.68</td><td>253</td><td>318</td><td></td><td>Average</td></tr></table>		Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	5745.08	148.25	39.95	68.38	93.62	35.89	18.14	38.68	253	318	Peak	2	5745.08	148.86		87.23	35.89	18.14	38.68	253	318		Average
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Peak	Date: 4 Level (dBuV/m) Date: 2022-11-14 PEAK_BES(BA)_16-24 Site : 03CH02-SZ Condition : PEAK_BES(BA)_16-24 3m HF_ANT_3117_0107 VERTICAL Project : 100301-03 Mode : Mode 31 SN : #20 G092370523860039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>5625.68</td><td>52.99</td><td>-15.31</td><td>68.38</td><td>38.58</td><td>34.89</td><td>18.07</td><td>221</td></tr><tr><td>5685.68</td><td>53.95</td><td>-15.78</td><td>97.55</td><td>39.34</td><td>35.80</td><td>18.09</td><td>221</td></tr><tr><td>5785.28</td><td>53.47</td><td>-14.31</td><td>187.78</td><td>38.98</td><td>35.83</td><td>18.12</td><td>221</td></tr><tr><td>5722.28</td><td>53.34</td><td>-15.35</td><td>110.82</td><td>38.65</td><td>35.86</td><td>18.12</td><td>221</td></tr></table>	Freq	Level	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg	5625.68	52.99	-15.31	68.38	38.58	34.89	18.07	221	5685.68	53.95	-15.78	97.55	39.34	35.80	18.09	221	5785.28	53.47	-14.31	187.78	38.98	35.83	18.12	221	5722.28	53.34	-15.35	110.82	38.65	35.86	18.12	221	Date: 5 Level (dBuV/m) Date: 2022-11-14 PEAK 15.407 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 100301-03 Mode : Mode 31 SN : #20 G092370523860039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>5785.08</td><td>189.89</td><td>40.79</td><td>68.38</td><td>94.48</td><td>35.14</td><td>18.16</td><td>221</td></tr><tr><td>5785.08</td><td>189.89</td><td>40.79</td><td>68.38</td><td>94.48</td><td>35.14</td><td>18.16</td><td>221</td></tr></table>	Freq	Level	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg	5785.08	189.89	40.79	68.38	94.48	35.14	18.16	221	5785.08	189.89	40.79	68.38	94.48	35.14	18.16	221
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Peak	Date: 6 Level (dBuV/m) Date: 2022-11-14 PEAK_BES(BA)_16-24 Site : 03CH02-SZ Condition : PEAK_BES(BA)_16-24 3m HF_ANT_3117_0107 VERTICAL Project : 100301-03 Mode : Mode 31 SN : #20 G092370523860039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>5851.68</td><td>52.63</td><td>-15.92</td><td>118.55</td><td>37.83</td><td>35.25</td><td>18.19</td><td>221</td></tr><tr><td>5863.68</td><td>54.22</td><td>-14.34</td><td>188.06</td><td>39.37</td><td>35.88</td><td>18.23</td><td>221</td></tr><tr><td>5876.68</td><td>53.55</td><td>-15.61</td><td>188.16</td><td>37.68</td><td>35.31</td><td>18.23</td><td>221</td></tr><tr><td>5942.68</td><td>53.74</td><td>-14.56</td><td>68.38</td><td>38.73</td><td>35.42</td><td>18.26</td><td>221</td></tr></table>	Freq	Level	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg	5851.68	52.63	-15.92	118.55	37.83	35.25	18.19	221	5863.68	54.22	-14.34	188.06	39.37	35.88	18.23	221	5876.68	53.55	-15.61	188.16	37.68	35.31	18.23	221	5942.68	53.74	-14.56	68.38	38.73	35.42	18.26	221	-																																
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1	Horizontal	Fundamental																																																																																																																								
Peak	Date: 2 Site : 03CH02-SZ Condition : PEAK_BE(BA)_16-24 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D3001-03 Mode : Mode 32 SN : #20 G9237022980039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5854.28</td><td>59.94</td><td>-53.58</td><td>112.62</td><td>44.21</td><td>35.28</td><td>18.19</td><td>38.64</td><td>180</td><td>282</td><td>Peak</td></tr><tr><td>2</td><td>5855.28</td><td>57.77</td><td>-52.48</td><td>110.46</td><td>42.52</td><td>35.28</td><td>18.21</td><td>38.64</td><td>180</td><td>282</td><td>Peak</td></tr><tr><td>3</td><td>5895.28</td><td>52.73</td><td>-56.74</td><td>89.47</td><td>37.82</td><td>35.33</td><td>18.24</td><td>38.66</td><td>180</td><td>282</td><td>Peak</td></tr><tr><td>4</td><td>5947.68</td><td>52.37</td><td>-56.13</td><td>88.38</td><td>37.17</td><td>35.42</td><td>18.28</td><td>38.68</td><td>180</td><td>282</td><td>Peak</td></tr></table>		Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	5854.28	59.94	-53.58	112.62	44.21	35.28	18.19	38.64	180	282	Peak	2	5855.28	57.77	-52.48	110.46	42.52	35.28	18.21	38.64	180	282	Peak	3	5895.28	52.73	-56.74	89.47	37.82	35.33	18.24	38.66	180	282	Peak	4	5947.68	52.37	-56.13	88.38	37.17	35.42	18.28	38.68	180	282	Peak	Date: 1 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D3001-03 Mode : Mode 32 SN : #20 G9237022980039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5825.00</td><td>147.86</td><td>39.56</td><td>68.38</td><td>93.88</td><td>35.22</td><td>18.19</td><td>38.63</td><td>180</td><td>282</td><td>Peak</td></tr><tr><td>2</td><td>5825.00</td><td>145.06</td><td>.....</td><td>66.22</td><td>35.22</td><td>18.19</td><td>38.63</td><td>180</td><td>282</td><td>Average</td><td></td></tr></table>		Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	5825.00	147.86	39.56	68.38	93.88	35.22	18.19	38.63	180	282	Peak	2	5825.00	145.06		66.22	35.22	18.19	38.63	180	282	Average	
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WIFI	U-NII-3 5725~5850MHz Band Edge @ 3m																																																																																																														
ANT	802.11a CH165 5825MHz																																																																																																														
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Peak	Date: 4 Site : 03CH02-SZ Condition : PEAK_BE(BA)_16-24 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 32 SN : #20 G922370523900039 Plane : Y with Accessory setting : GM power setting 15 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5825.08</td><td>86.76</td><td>-55.51</td><td>116.27</td><td>45.96</td><td>35.25</td><td>18.19</td><td>38.64</td><td>235</td><td>387 Peak</td></tr><tr><td>2</td><td>5825.28</td><td>58.22</td><td>-55.51</td><td>118.74</td><td>43.19</td><td>35.28</td><td>18.15</td><td>38.64</td><td>235</td><td>387 Peak</td></tr><tr><td>3</td><td>5896.88</td><td>54.82</td><td>-55.49</td><td>89.83</td><td>39.11</td><td>35.33</td><td>18.24</td><td>38.66</td><td>235</td><td>387 Peak</td></tr><tr><td>4</td><td>5947.48</td><td>51.52</td><td>-55.78</td><td>60.38</td><td>37.52</td><td>35.42</td><td>18.28</td><td>38.68</td><td>235</td><td>387 Peak</td></tr></table>		Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg		1	5825.08	86.76	-55.51	116.27	45.96	35.25	18.19	38.64	235	387 Peak	2	5825.28	58.22	-55.51	118.74	43.19	35.28	18.15	38.64	235	387 Peak	3	5896.88	54.82	-55.49	89.83	39.11	35.33	18.24	38.66	235	387 Peak	4	5947.48	51.52	-55.78	60.38	37.52	35.42	18.28	38.68	235	387 Peak	Date: 3 Site : 03CH02-SZ Condition : PEAK 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 32 SN : #20 G922370523900039 Plane : Y with Accessory setting : GM power setting 15 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5825.08</td><td>148.53</td><td>40.23</td><td>68.38</td><td>83.75</td><td>35.22</td><td>18.19</td><td>38.63</td><td>235</td><td>387 Peak</td></tr><tr><td>2</td><td>5825.08</td><td>148.55</td><td>.....</td><td>66.77</td><td>35.22</td><td>18.19</td><td>38.63</td><td>235</td><td>387 Average</td></tr></table>		Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg		1	5825.08	148.53	40.23	68.38	83.75	35.22	18.19	38.63	235	387 Peak	2	5825.08	148.55		66.77	35.22	18.19	38.63	235	387 Average
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U-NII-3 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	U-NII-3 5725~5850MHz Band Edge @ 3m																																																																																																					
ANT	802.11n HT20 CH149 5745MHz																																																																																																					
1	Horizontal	Fundamental																																																																																																				
Peak	Date: 1 Date: 2022-11-14 PEAK_16 (84_16_24) Site : 03CH02-SZ Condition : PEAK_16 (84_16_24) 3m HP_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 33 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5600.48</td><td>51.42</td><td>16.88</td><td>68.30</td><td>37.84</td><td>34.87</td><td>18.85</td><td>30.54</td><td>100 301 Peak</td></tr><tr><td>2</td><td>5683.00</td><td>53.23</td><td>19.46</td><td>92.69</td><td>38.73</td><td>34.98</td><td>18.89</td><td>30.57</td><td>100 301 Peak</td></tr><tr><td>3</td><td>5735.00</td><td>56.81</td><td>23.88</td><td>110.69</td><td>42.22</td><td>35.90</td><td>18.12</td><td>30.59</td><td>100 301 Peak</td></tr><tr><td>4</td><td>5725.00</td><td>62.17</td><td>28.83</td><td>122.20</td><td>47.58</td><td>35.86</td><td>18.12</td><td>30.59</td><td>100 301 Peak</td></tr></table>	Peak	Freq	Level	Line	Level Factor	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dB	cm	deg		1	5600.48	51.42	16.88	68.30	37.84	34.87	18.85	30.54	100 301 Peak	2	5683.00	53.23	19.46	92.69	38.73	34.98	18.89	30.57	100 301 Peak	3	5735.00	56.81	23.88	110.69	42.22	35.90	18.12	30.59	100 301 Peak	4	5725.00	62.17	28.83	122.20	47.58	35.86	18.12	30.59	100 301 Peak	Date: 2 Date: 2022-11-14 PEAK_15 (407_15_407) Site : 03CH02-SZ Condition : PEAK_15 (407_15_407) 3m HP_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 33 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5745.00</td><td>105.71</td><td>37.41</td><td>68.30</td><td>91.80</td><td>35.89</td><td>18.14</td><td>30.60</td><td>100 301 Peak</td></tr><tr><td>2</td><td>5745.00</td><td>99.52</td><td>-----</td><td>-----</td><td>84.89</td><td>35.89</td><td>18.14</td><td>30.60</td><td>100 301 Average</td></tr></table>	Peak	Freq	Level	Line	Level Factor	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dB	cm	deg		1	5745.00	105.71	37.41	68.30	91.80	35.89	18.14	30.60	100 301 Peak	2	5745.00	99.52	-----	-----	84.89	35.89	18.14	30.60	100 301 Average
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Peak	Date: 3 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5600 5640 5680 5720 5760 5800 Frequency (MHz) Date: 2022-11-14 PEAK: 115.50 115.50 Site : 03CH02-SZ Condition : PEAK_BE(BA)_16-24 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 33 SN : #20 G92370523900039 Plane : Y with Accessory Setting : MCS 0 power setting 15 <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5647.48</td><td>59.84</td><td>-17.46</td><td>60.39</td><td>36.41</td><td>34.92</td><td>18.87</td><td>38.56</td><td>239</td><td>388</td><td>Peak</td></tr><tr><td>2</td><td>5659.88</td><td>52.54</td><td>-15.53</td><td>184.47</td><td>38.63</td><td>35.98</td><td>18.89</td><td>38.58</td><td>239</td><td>388</td><td>Peak</td></tr><tr><td>3</td><td>5728.88</td><td>57.08</td><td>-13.12</td><td>139.88</td><td>43.89</td><td>35.86</td><td>18.12</td><td>38.59</td><td>239</td><td>388</td><td>Peak</td></tr><tr><td>4</td><td>5745.28</td><td>63.74</td><td>-10.46</td><td>139.58</td><td>49.15</td><td>35.86</td><td>18.12</td><td>38.59</td><td>239</td><td>388</td><td>Peak</td></tr></tbody></table> Date: 4 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5600 5640 5680 5720 5760 5800 5840 5880 5920 5960 6000 Frequency (MHz) Date: 2022-11-14 PEAK: 115.407 115.407 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 33 SN : #20 G92370523900039 Plane : Y with Accessory Setting : MCS 0 power setting 15 <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5745.08</td><td>146.52</td><td>38.22</td><td>68.38</td><td>91.89</td><td>35.89</td><td>18.14</td><td>38.68</td><td>239</td><td>388</td><td>Peak</td></tr><tr><td>2</td><td>5745.08</td><td>108.18</td><td>.....</td><td>85.47</td><td>25.69</td><td>18.14</td><td>38.68</td><td>239</td><td>388</td><td>.....</td><td>Average</td></tr></tbody></table>													Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB	cm	deg		1	5647.48	59.84	-17.46	60.39	36.41	34.92	18.87	38.56	239	388	Peak	2	5659.88	52.54	-15.53	184.47	38.63	35.98	18.89	38.58	239	388	Peak	3	5728.88	57.08	-13.12	139.88	43.89	35.86	18.12	38.59	239	388	Peak	4	5745.28	63.74	-10.46	139.58	49.15	35.86	18.12	38.59	239	388	Peak		Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB	cm	deg		1	5745.08	146.52	38.22	68.38	91.89	35.89	18.14	38.68	239	388	Peak	2	5745.08	108.18		85.47	25.69	18.14	38.68	239	388		Average
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Peak	Date: 1 Level (dBuV/m) Date: 2022-11-14 PEAK: BE(BAL), 16-24 Site : 03CH02-SZ Condition : PEAK, BE(BAL), 16-24 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5635.08</td><td>53.04</td><td>-15.26</td><td>68.30</td><td>38.61</td><td>34.92</td><td>18.07</td><td>38.56</td><td>180</td><td>361 Peak</td></tr><tr><td>2</td><td>5699.68</td><td>54.36</td><td>-16.05</td><td>104.93</td><td>39.82</td><td>35.90</td><td>18.12</td><td>38.08</td><td>180</td><td>361 Peak</td></tr><tr><td>3</td><td>5718.28</td><td>52.53</td><td>-15.53</td><td>105.86</td><td>37.96</td><td>35.83</td><td>18.12</td><td>38.58</td><td>180</td><td>361 Peak</td></tr><tr><td>4</td><td>5724.88</td><td>52.19</td><td>-15.55</td><td>121.74</td><td>37.68</td><td>35.96</td><td>18.12</td><td>38.55</td><td>180</td><td>361 Peak</td></tr></tbody></table>	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5635.08	53.04	-15.26	68.30	38.61	34.92	18.07	38.56	180	361 Peak	2	5699.68	54.36	-16.05	104.93	39.82	35.90	18.12	38.08	180	361 Peak	3	5718.28	52.53	-15.53	105.86	37.96	35.83	18.12	38.58	180	361 Peak	4	5724.88	52.19	-15.55	121.74	37.68	35.96	18.12	38.55	180	361 Peak	Date: 2 Level (dBuV/m) Date: 2022-11-14 PEAK: 15.407 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5785.08</td><td>146.18</td><td>37.88</td><td>68.38</td><td>91.49</td><td>35.14</td><td>18.16</td><td>38.61</td><td>180</td><td>361 Peak</td></tr><tr><td>2</td><td>5785.08</td><td>99.17</td><td>.....</td><td>68.48</td><td>35.14</td><td>18.16</td><td>38.61</td><td>180</td><td>361 Average</td></tr></tbody></table>	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5785.08	146.18	37.88	68.38	91.49	35.14	18.16	38.61	180	361 Peak	2	5785.08	99.17		68.48	35.14	18.16	38.61	180	361 Average
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Peak	Date: 3 Level (dBuV/m) Date: 2022-11-14 PEAK: BE(BAL), 16-24 Site : 03CH02-SZ Condition : PEAK, BE(BAL), 16-24 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5808.68</td><td>53.86</td><td>-16.97</td><td>128.83</td><td>39.86</td><td>35.25</td><td>18.19</td><td>38.64</td><td>180</td><td>361 Peak</td></tr><tr><td>2</td><td>5863.88</td><td>53.89</td><td>-15.94</td><td>108.89</td><td>38.28</td><td>35.28</td><td>18.21</td><td>38.64</td><td>180</td><td>361 Peak</td></tr><tr><td>3</td><td>5918.28</td><td>53.68</td><td>-15.44</td><td>79.12</td><td>38.74</td><td>35.36</td><td>18.24</td><td>38.66</td><td>180</td><td>361 Peak</td></tr><tr><td>4</td><td>5934.88</td><td>52.11</td><td>-16.19</td><td>68.38</td><td>37.13</td><td>35.39</td><td>18.26</td><td>38.67</td><td>180</td><td>361 Peak</td></tr></tbody></table>	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5808.68	53.86	-16.97	128.83	39.86	35.25	18.19	38.64	180	361 Peak	2	5863.88	53.89	-15.94	108.89	38.28	35.28	18.21	38.64	180	361 Peak	3	5918.28	53.68	-15.44	79.12	38.74	35.36	18.24	38.66	180	361 Peak	4	5934.88	52.11	-16.19	68.38	37.13	35.39	18.26	38.67	180	361 Peak	-																																									
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Peak	Date: 4 Level (dBuV/m) Date: 2022-11-14 PEAK: 115.50 Site : 03CH02-SZ Condition : PEAK, BE(BA), 16-24 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>5644.48</td><td>52.92</td><td>-15.38</td><td>68.38</td><td>38.55</td><td>34.87</td><td>18.85</td><td>38.55</td><td>234</td></tr><tr><td>5679.28</td><td>52.38</td><td>-17.68</td><td>80.89</td><td>37.78</td><td>34.38</td><td>18.89</td><td>38.57</td><td>234</td></tr><tr><td>5786.88</td><td>53.11</td><td>-13.77</td><td>106.88</td><td>38.54</td><td>35.83</td><td>18.12</td><td>38.58</td><td>234</td></tr><tr><td>5784.88</td><td>53.37</td><td>-16.75</td><td>115.52</td><td>38.78</td><td>35.86</td><td>18.12</td><td>38.59</td><td>234</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	5644.48	52.92	-15.38	68.38	38.55	34.87	18.85	38.55	234	5679.28	52.38	-17.68	80.89	37.78	34.38	18.89	38.57	234	5786.88	53.11	-13.77	106.88	38.54	35.83	18.12	38.58	234	5784.88	53.37	-16.75	115.52	38.78	35.86	18.12	38.59	234	Date: 5 Level (dBuV/m) Date: 2022-11-14 PEAK: 115.40 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>5785.88</td><td>106.88</td><td>38.58</td><td>68.38</td><td>92.19</td><td>35.14</td><td>18.16</td><td>38.61</td><td>234</td></tr><tr><td>5785.88</td><td>108.15</td><td>.....</td><td>85.49</td><td>35.14</td><td>18.16</td><td>38.61</td><td>234</td><td>388 Average</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	5785.88	106.88	38.58	68.38	92.19	35.14	18.16	38.61	234	5785.88	108.15		85.49	35.14	18.16	38.61	234	388 Average
	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark																																																																																			
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5644.48	52.92	-15.38	68.38	38.55	34.87	18.85	38.55	234																																																																																				
5679.28	52.38	-17.68	80.89	37.78	34.38	18.89	38.57	234																																																																																				
5786.88	53.11	-13.77	106.88	38.54	35.83	18.12	38.58	234																																																																																				
5784.88	53.37	-16.75	115.52	38.78	35.86	18.12	38.59	234																																																																																				
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5785.88	106.88	38.58	68.38	92.19	35.14	18.16	38.61	234																																																																																				
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Peak	Date: 6 Level (dBuV/m) Date: 2022-11-14 PEAK: 115.24 Site : 03CH02-SZ Condition : PEAK, BE(BA), 16-24 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>5853.88</td><td>53.21</td><td>-12.13</td><td>115.36</td><td>38.41</td><td>35.25</td><td>18.19</td><td>38.64</td><td>234</td></tr><tr><td>5863.88</td><td>52.21</td><td>-16.96</td><td>100.12</td><td>37.36</td><td>35.48</td><td>18.23</td><td>38.64</td><td>234</td></tr><tr><td>5879.68</td><td>53.89</td><td>-19.44</td><td>102.53</td><td>38.22</td><td>35.31</td><td>18.23</td><td>38.65</td><td>234</td></tr><tr><td>5938.48</td><td>51.94</td><td>-16.36</td><td>68.38</td><td>36.95</td><td>35.39</td><td>18.26</td><td>38.67</td><td>234</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	5853.88	53.21	-12.13	115.36	38.41	35.25	18.19	38.64	234	5863.88	52.21	-16.96	100.12	37.36	35.48	18.23	38.64	234	5879.68	53.89	-19.44	102.53	38.22	35.31	18.23	38.65	234	5938.48	51.94	-16.36	68.38	36.95	35.39	18.26	38.67	234	-																																				
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Peak	Date: 2 Site : 03CH02-SZ Condition : PEAK BE(BA)_16-24 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 35 SN : #20 G90237022960039 Plane : Y with Accessory setting : MCS 0 power setting 16 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5825.08</td><td>56.73</td><td>-59.54</td><td>116.27</td><td>41.93</td><td>35.25</td><td>18.19</td><td>38.64</td><td>180</td><td>361 Peak</td></tr><tr><td>2</td><td>5825.28</td><td>56.46</td><td>-56.58</td><td>109.86</td><td>39.63</td><td>35.28</td><td>18.23</td><td>38.64</td><td>180</td><td>361 Peak</td></tr><tr><td>3</td><td>5917.08</td><td>53.28</td><td>-28.82</td><td>74.10</td><td>38.34</td><td>35.36</td><td>18.24</td><td>38.66</td><td>180</td><td>361 Peak</td></tr><tr><td>4</td><td>5934.48</td><td>52.18</td><td>-35.12</td><td>60.30</td><td>37.28</td><td>35.39</td><td>18.28</td><td>38.67</td><td>180</td><td>361 Peak</td></tr></table>	Peak	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5825.08	56.73	-59.54	116.27	41.93	35.25	18.19	38.64	180	361 Peak	2	5825.28	56.46	-56.58	109.86	39.63	35.28	18.23	38.64	180	361 Peak	3	5917.08	53.28	-28.82	74.10	38.34	35.36	18.24	38.66	180	361 Peak	4	5934.48	52.18	-35.12	60.30	37.28	35.39	18.28	38.67	180	361 Peak	Date: 1 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 35 SN : #20 G90237022960039 Plane : Y with Accessory setting : MCS 0 power setting 16 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5825.08</td><td>145.38</td><td>37.80</td><td>68.38</td><td>98.52</td><td>35.22</td><td>18.19</td><td>38.63</td><td>180</td><td>361 Peak</td></tr><tr><td>2</td><td>5825.08</td><td>156.43</td><td>.....</td><td>83.95</td><td>35.22</td><td>18.19</td><td>38.63</td><td>180</td><td>361</td><td>Average</td></tr></table>	Peak	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5825.08	145.38	37.80	68.38	98.52	35.22	18.19	38.63	180	361 Peak	2	5825.08	156.43		83.95	35.22	18.19	38.63	180	361	Average
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Peak	Date: 4 Site : 03CH02-SZ Condition : PEAK_BE(BA)_16-24 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 35 SN : #20 G92370523960039 Plane : Y with Accessory Setting : MCS 0 power setting 16 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5851.48</td><td>58.83</td><td>-68.98</td><td>119.81</td><td>43.23</td><td>35.25</td><td>18.19</td><td>38.64</td><td>235</td><td>382</td><td>Peak</td></tr><tr><td>2</td><td>5863.68</td><td>54.89</td><td>-54.38</td><td>109.39</td><td>39.14</td><td>32.38</td><td>18.21</td><td>38.64</td><td>235</td><td>382</td><td>Peak</td></tr><tr><td>3</td><td>5917.88</td><td>52.92</td><td>-29.59</td><td>75.51</td><td>37.88</td><td>35.36</td><td>18.24</td><td>38.66</td><td>235</td><td>382</td><td>Peak</td></tr><tr><td>4</td><td>5938.88</td><td>51.48</td><td>-15.82</td><td>68.38</td><td>37.52</td><td>35.39</td><td>18.24</td><td>38.67</td><td>235</td><td>382</td><td>Peak</td></tr></table>		Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB	cm	deg		1	5851.48	58.83	-68.98	119.81	43.23	35.25	18.19	38.64	235	382	Peak	2	5863.68	54.89	-54.38	109.39	39.14	32.38	18.21	38.64	235	382	Peak	3	5917.88	52.92	-29.59	75.51	37.88	35.36	18.24	38.66	235	382	Peak	4	5938.88	51.48	-15.82	68.38	37.52	35.39	18.24	38.67	235	382	Peak	Date: 3 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 35 SN : #20 G92370523960039 Plane : Y with Accessory Setting : MCS 0 power setting 16 <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5825.08</td><td>147.12</td><td>38.82</td><td>68.38</td><td>92.34</td><td>35.22</td><td>18.19</td><td>38.63</td><td>235</td><td>382</td><td>Peak</td></tr><tr><td>2</td><td>5825.08</td><td>148.37</td><td>.....</td><td>65.39</td><td>35.22</td><td>18.19</td><td>38.63</td><td>235</td><td>382</td><td>Average</td></tr></table>		Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	deg		1	5825.08	147.12	38.82	68.38	92.34	35.22	18.19	38.63	235	382	Peak	2	5825.08	148.37		65.39	35.22	18.19	38.63	235	382	Average
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U-NII-3 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

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Peak	Date: 1 Level (dBuV/m) Date: 2022-11-14 PEAK_BE(BA)_16.24 Site : 03CH02-SZ Condition : PEAK_BE(BA)_16-24 3m HF_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 36 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5623.28</td><td>52.98</td><td>-15.32</td><td>68.30</td><td>38.57</td><td>34.89</td><td>18.87</td><td>30.55</td><td>100</td><td>300</td><td>Peak</td></tr><tr><td>2</td><td>5699.88</td><td>56.11</td><td>-48.94</td><td>105.05</td><td>41.57</td><td>35.88</td><td>18.12</td><td>30.58</td><td>100</td><td>300</td><td>Peak</td></tr><tr><td>3</td><td>5720.88</td><td>62.30</td><td>-47.82</td><td>110.88</td><td>48.39</td><td>35.90</td><td>18.12</td><td>30.59</td><td>100</td><td>300</td><td>Peak</td></tr><tr><td>4</td><td>5725.28</td><td>64.25</td><td>-35.85</td><td>118.10</td><td>49.66</td><td>35.86</td><td>18.12</td><td>30.59</td><td>100</td><td>300</td><td>Peak</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg		1	5623.28	52.98	-15.32	68.30	38.57	34.89	18.87	30.55	100	300	Peak	2	5699.88	56.11	-48.94	105.05	41.57	35.88	18.12	30.58	100	300	Peak	3	5720.88	62.30	-47.82	110.88	48.39	35.90	18.12	30.59	100	300	Peak	4	5725.28	64.25	-35.85	118.10	49.66	35.86	18.12	30.59	100	300	Peak	Date: 2 Level (dBuV/m) Date: 2022-11-14 PEAK_BE(BA)_15.402 Site : 03CH02-SZ Condition : PART 15.402 3m HF_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 36 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5755.88</td><td>183.98</td><td>35.68</td><td>68.30</td><td>89.25</td><td>35.11</td><td>18.14</td><td>30.68</td><td>100</td><td>300</td><td>Peak</td></tr><tr><td>2</td><td>5755.88</td><td>97.31</td><td>-----</td><td>-----</td><td>82.66</td><td>35.11</td><td>18.14</td><td>30.68</td><td>100</td><td>300</td><td>Average</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg		1	5755.88	183.98	35.68	68.30	89.25	35.11	18.14	30.68	100	300	Peak	2	5755.88	97.31	-----	-----	82.66	35.11	18.14	30.68	100	300	Average
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U-NII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

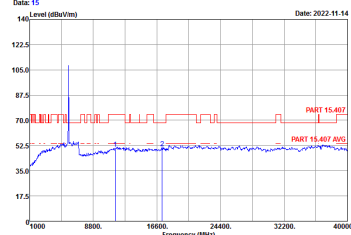
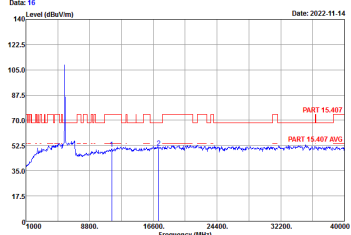
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2	5688.08	61.26	-43.86	104.32	46.75	35.88	18.89	30.58	100	300	Peak																																																																																															
3	5724.08	61.83	-47.29	109.12	47.27	35.93	18.12	30.59	100	300	Peak																																																																																															
4	5723.08	62.86	-52.39	114.45	47.47	35.86	18.12	30.59	100	300	Peak																																																																																															
Freq	Level	Line	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark																																																																																																			
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	deg																																																																																																			
1	5775.08	188.85	32.55	68.30	86.18	35.14	18.14	30.61	100	300	Peak																																																																																															
2	5775.08	94.51	-----	-----	79.84	35.14	18.14	30.61	100	300	Average																																																																																															
Peak	Date: 3 Level (dBuV/m) Date: 2022-11-14 PEAK_BE(BA)_16-24 Site : 03CH02-SZ Condition : PEAK_BE(BA)_16-24 3m HF_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 38 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Line</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5806.08</td><td>57.48</td><td>-46.46</td><td>121.74</td><td>42.88</td><td>35.25</td><td>18.19</td><td>30.64</td><td>100</td><td>300</td><td>Peak</td></tr><tr><td>2</td><td>5855.08</td><td>56.34</td><td>-54.56</td><td>119.88</td><td>41.41</td><td>35.28</td><td>18.19</td><td>30.64</td><td>100</td><td>300</td><td>Peak</td></tr><tr><td>3</td><td>5879.08</td><td>53.51</td><td>-48.72</td><td>102.23</td><td>38.64</td><td>35.31</td><td>18.22</td><td>30.65</td><td>100</td><td>300</td><td>Peak</td></tr><tr><td>4</td><td>5948.08</td><td>52.34</td><td>-55.96</td><td>68.30</td><td>37.34</td><td>35.42</td><td>18.26</td><td>30.68</td><td>100</td><td>300</td><td>Peak</td></tr></tbody></table>	Freq	Level	Line	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	deg	1	5806.08	57.48	-46.46	121.74	42.88	35.25	18.19	30.64	100	300	Peak	2	5855.08	56.34	-54.56	119.88	41.41	35.28	18.19	30.64	100	300	Peak	3	5879.08	53.51	-48.72	102.23	38.64	35.31	18.22	30.65	100	300	Peak	4	5948.08	52.34	-55.96	68.30	37.34	35.42	18.26	30.68	100	300	Peak	-																																								
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1	5806.08	57.48	-46.46	121.74	42.88	35.25	18.19	30.64	100	300	Peak																																																																																															
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WIFI	U-NII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
ANT	802.11ac VHT80 CH155 5775MHz																																																																																																															
1	Vertical	Fundamental																																																																																																														
Peak	Date: 4 Level (dBuV/m) Date: 2022-11-14 PEAK: BE(BA)_16-24 Site : 03CH02-SZ Condition : PEAK: BE(BA)_16-24 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 38 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>5641.08</td><td>53.12</td><td>-15.18</td><td>68.38</td><td>34.92</td><td>18.07</td><td>38.56</td><td></td><td>232</td><td>388</td><td>Peak</td></tr><tr><td>5699.08</td><td>61.98</td><td>-13.47</td><td>184.47</td><td>46.49</td><td>35.98</td><td>18.09</td><td>38.56</td><td>232</td><td>388</td><td>Peak</td></tr><tr><td>5714.08</td><td>62.18</td><td>-47.17</td><td>189.35</td><td>47.62</td><td>35.83</td><td>18.12</td><td>38.59</td><td>232</td><td>388</td><td>Peak</td></tr><tr><td>5722.08</td><td>62.08</td><td>-15.95</td><td>116.73</td><td>48.21</td><td>35.86</td><td>18.12</td><td>38.59</td><td>232</td><td>388</td><td>Peak</td></tr></tbody></table>	Freq	Level	Limit	Line	Level Factor	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		5641.08	53.12	-15.18	68.38	34.92	18.07	38.56		232	388	Peak	5699.08	61.98	-13.47	184.47	46.49	35.98	18.09	38.56	232	388	Peak	5714.08	62.18	-47.17	189.35	47.62	35.83	18.12	38.59	232	388	Peak	5722.08	62.08	-15.95	116.73	48.21	35.86	18.12	38.59	232	388	Peak	Date: 5 Level (dBuV/m) Date: 2022-11-14 PEAK: 15.407 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 38 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>5775.08</td><td>100.92</td><td>32.62</td><td>68.38</td><td>86.25</td><td>35.14</td><td>18.14</td><td>38.61</td><td>232</td><td>388</td><td>Peak</td></tr><tr><td>5775.08</td><td>94.54</td><td>.....</td><td>.....</td><td>79.87</td><td>35.14</td><td>18.14</td><td>38.61</td><td>232</td><td>388</td><td>Average</td></tr></tbody></table>	Freq	Level	Limit	Line	Level Factor	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		5775.08	100.92	32.62	68.38	86.25	35.14	18.14	38.61	232	388	Peak	5775.08	94.54			79.87	35.14	18.14	38.61	232	388	Average
	Freq	Level	Limit	Line	Level Factor	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																					
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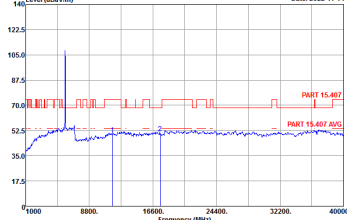
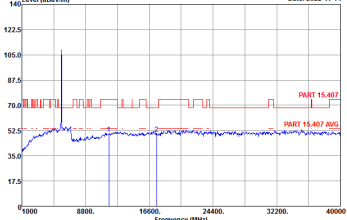
U-NII-3 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	U-NII-3 5725~5850MHz Harmonic @ 3m																																																																																	
ANT	802.11a CH149 5745MHz																																																																																	
1	Horizontal	Vertical																																																																																
Peak Avg.	Date: 15  Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 30 SN : #20 G092370523860039 Plane : Y with Accessory Setting : OM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11490.00</td><td>58.34</td><td>-23.66</td><td>74.00</td><td>55.67</td><td>38.34</td><td>14.24</td><td>57.91</td><td>--- Peak</td></tr><tr><td>2</td><td>17235.00</td><td>58.64</td><td>-17.66</td><td>68.39</td><td>48.17</td><td>42.27</td><td>17.83</td><td>56.83</td><td>--- Peak</td></tr></table>	Freq	Level	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg		1	11490.00	58.34	-23.66	74.00	55.67	38.34	14.24	57.91	--- Peak	2	17235.00	58.64	-17.66	68.39	48.17	42.27	17.83	56.83	--- Peak	Date: 16  Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT_3117_0107 VERTICAL Project : 100301-03 Mode : Mode 30 SN : #20 G092370523860039 Plane : Y with Accessory Setting : OM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11490.00</td><td>58.58</td><td>-23.58</td><td>74.00</td><td>55.83</td><td>38.34</td><td>14.24</td><td>57.91</td><td>--- Peak</td></tr><tr><td>2</td><td>17235.00</td><td>58.89</td><td>-17.41</td><td>68.39</td><td>48.42</td><td>42.27</td><td>17.83</td><td>56.83</td><td>--- Peak</td></tr></table>	Freq	Level	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg		1	11490.00	58.58	-23.58	74.00	55.83	38.34	14.24	57.91	--- Peak	2	17235.00	58.89	-17.41	68.39	48.42	42.27	17.83	56.83	--- Peak
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WIFI	U-NII-3 5725~5850MHz Harmonic @ 3m																																																																																	
ANT	802.11a CH157 5785MHz																																																																																	
1	Horizontal	Vertical																																																																																
Peak Avg.	Date: 15 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 31 SN : #20 G092370523860039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11570.00</td><td>58.78</td><td>-23.38</td><td>74.00</td><td>56.23</td><td>38.68</td><td>13.78</td><td>57.91</td><td>Peak</td></tr><tr><td>2</td><td>17355.00</td><td>59.05</td><td>-17.45</td><td>60.38</td><td>49.96</td><td>41.34</td><td>16.58</td><td>56.95</td><td>Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	deg		1	11570.00	58.78	-23.38	74.00	56.23	38.68	13.78	57.91	Peak	2	17355.00	59.05	-17.45	60.38	49.96	41.34	16.58	56.95	Peak	Date: 16 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 31 SN : #20 G092370523860039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11570.00</td><td>58.68</td><td>-23.32</td><td>74.00</td><td>56.21</td><td>38.68</td><td>13.78</td><td>57.91</td><td>Peak</td></tr><tr><td>2</td><td>17355.00</td><td>58.48</td><td>-17.08</td><td>60.38</td><td>49.92</td><td>41.34</td><td>16.58</td><td>56.95</td><td>Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	deg		1	11570.00	58.68	-23.32	74.00	56.21	38.68	13.78	57.91	Peak	2	17355.00	58.48	-17.08	60.38	49.92	41.34	16.58	56.95	Peak
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WIFI	U-NII-3 5725~5850MHz Harmonic @ 3m																																																																													
ANT	802.11a CH165 5825MHz																																																																													
1	Horizontal	Vertical																																																																												
Peak Avg.	Date: 23 Level (dBuV/m) Date: 2022-11-14  Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D3001-03 Mode : Mode 32 SN : #20 G992370523960039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11658.00</td><td>49.08</td><td>-24.18</td><td>74.00</td><td>55.18</td><td>38.48</td><td>14.17</td><td>57.93</td><td>--- Peak</td></tr><tr><td>2</td><td>17475.00</td><td>59.79</td><td>-17.68</td><td>60.39</td><td>48.86</td><td>41.94</td><td>16.97</td><td>57.87</td><td>--- Peak</td></tr></table>	Freq	Level	Over Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	deg	1	11658.00	49.08	-24.18	74.00	55.18	38.48	14.17	57.93	--- Peak	2	17475.00	59.79	-17.68	60.39	48.86	41.94	16.97	57.87	--- Peak	Date: 24 Level (dBuV/m) Date: 2022-11-14  Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D3001-03 Mode : Mode 32 SN : #20 G992370523960039 Plane : Y with Accessory Setting : GM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11658.00</td><td>58.31</td><td>-23.69</td><td>74.00</td><td>55.59</td><td>38.48</td><td>14.17</td><td>57.93</td><td>--- Peak</td></tr><tr><td>2</td><td>17475.00</td><td>59.47</td><td>-17.83</td><td>60.39</td><td>48.83</td><td>41.94</td><td>16.97</td><td>57.87</td><td>--- Peak</td></tr></table>	Freq	Level	Over Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	deg	1	11658.00	58.31	-23.69	74.00	55.59	38.48	14.17	57.93	--- Peak	2	17475.00	59.47	-17.83	60.39	48.83	41.94	16.97	57.87	--- Peak
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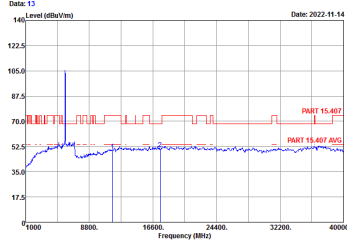
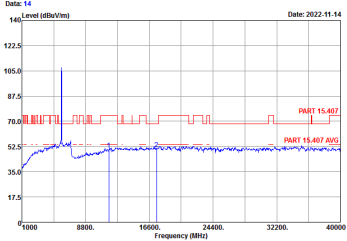
U-NII-3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI		U-NII-3 5725~5850MHz Harmonic @ 3m																																																																
ANT		802.11n HT20 CH149 5745MHz																																																																
1	Horizontal	Vertical																																																																
Peak Avg.	Date: 13 Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 33 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Line</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>11490.00</td><td>49.68</td><td>-24.32</td><td>74.00</td><td>55.31</td><td>38.58</td><td>13.78 57.91 --- --- Peak</td></tr><tr><td>2</td><td>17235.00</td><td>58.71</td><td>-17.59</td><td>68.38</td><td>49.72</td><td>41.29</td><td>16.53 56.83 --- --- Peak</td></tr></tbody></table>	Freq	Level	Line	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	deg	1	11490.00	49.68	-24.32	74.00	55.31	38.58	13.78 57.91 --- --- Peak	2	17235.00	58.71	-17.59	68.38	49.72	41.29	16.53 56.83 --- --- Peak	Date: 14 Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT_3117_0107 VERTICAL Project : 100301-03 Mode : Mode 33 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Line</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>11490.00</td><td>58.11</td><td>-23.89</td><td>74.00</td><td>55.74</td><td>38.58</td><td>13.78 57.91 --- --- Peak</td></tr><tr><td>2</td><td>17235.00</td><td>58.97</td><td>-17.33</td><td>68.38</td><td>49.98</td><td>41.29</td><td>16.53 56.83 --- --- Peak</td></tr></tbody></table>	Freq	Level	Line	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	deg	1	11490.00	58.11	-23.89	74.00	55.74	38.58	13.78 57.91 --- --- Peak	2	17235.00	58.97	-17.33	68.38	49.98	41.29	16.53 56.83 --- --- Peak
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WIFI		U-NII-3 5725~5850MHz Harmonic @ 3m																																																																								
ANT		802.11n HT20 CH157 5785MHz																																																																								
1	Horizontal	Vertical																																																																								
Peak Avg.	Date: 15 Level (dBuV/m) Date: 2022-11-14 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G902370523960039 Plane : Y with Accessory Setting : MCS 0 power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11576.00</td><td>49.95</td><td>-24.85</td><td>74.80</td><td>38.68</td><td>13.78</td><td>57.91</td><td>--- Peak</td></tr><tr><td>2</td><td>17355.00</td><td>59.15</td><td>-18.15</td><td>68.38</td><td>49.16</td><td>41.34</td><td>56.95</td><td>--- Peak</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	1	11576.00	49.95	-24.85	74.80	38.68	13.78	57.91	--- Peak	2	17355.00	59.15	-18.15	68.38	49.16	41.34	56.95	--- Peak	Date: 16 Level (dBuV/m) Date: 2022-11-14 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 34 SN : #20 G902370523960039 Plane : Y with Accessory Setting : MCS 0 power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11576.00</td><td>58.83</td><td>-25.97</td><td>74.80</td><td>55.56</td><td>38.68</td><td>13.78</td><td>57.91 --- Peak</td></tr><tr><td>2</td><td>17355.00</td><td>68.02</td><td>-17.48</td><td>68.38</td><td>49.16</td><td>41.34</td><td>56.95</td><td>--- Peak</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	1	11576.00	58.83	-25.97	74.80	55.56	38.68	13.78	57.91 --- Peak	2	17355.00	68.02	-17.48	68.38	49.16	41.34	56.95	--- Peak
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WIFI		U-NII-3 5725~5850MHz Harmonic @ 3m																																																																																								
ANT		802.11n HT20 CH165 5825MHz																																																																																								
1	Horizontal	Vertical																																																																																								
Peak Avg.	Date: 13  Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 35 SN : #20 G902370229800039 Plane : Y with Accessory setting : MCS 0 power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11658.00</td><td>49.46</td><td>-24.54</td><td>74.00</td><td>54.93</td><td>38.77</td><td>13.69</td><td>57.93</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17475.00</td><td>58.79</td><td>-17.08</td><td>68.38</td><td>49.91</td><td>41.39</td><td>16.47</td><td>57.87</td><td>---</td><td>Peak</td></tr></table>	Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	11658.00	49.46	-24.54	74.00	54.93	38.77	13.69	57.93	---	Peak	2	17475.00	58.79	-17.08	68.38	49.91	41.39	16.47	57.87	---	Peak	Date: 14  Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 35 SN : #20 G902370229800039 Plane : Y with Accessory setting : MCS 0 power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11658.00</td><td>58.46</td><td>-23.54</td><td>74.00</td><td>55.93</td><td>38.77</td><td>13.69</td><td>57.93</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17475.00</td><td>58.76</td><td>-17.54</td><td>68.38</td><td>49.97</td><td>41.39</td><td>16.47</td><td>57.87</td><td>---</td><td>Peak</td></tr></table>	Freq	Level	Limit	Over	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	11658.00	58.46	-23.54	74.00	55.93	38.77	13.69	57.93	---	Peak	2	17475.00	58.76	-17.54	68.38	49.97	41.39	16.47	57.87	---	Peak
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U-NII-3 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	U-NII-3 5725~5850MHz Harmonic @ 3m																																																																									
ANT	802.11n HT40 CH151 5755MHz																																																																									
1	Horizontal	Vertical																																																																								
Peak Avg.	Date: 15 Level (dBuV/m) Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 36 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr></thead><tbody><tr><td>1</td><td>11510.00</td><td>49.27</td><td>-24.73</td><td>74.00</td><td>54.87</td><td>38.60</td><td>13.70</td><td>57.90 --- Peak</td></tr><tr><td>2</td><td>17265.00</td><td>50.75</td><td>-17.55</td><td>68.30</td><td>49.79</td><td>41.31</td><td>16.52</td><td>56.87 --- Peak</td></tr></tbody></table>	Freq	Level	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB		1	11510.00	49.27	-24.73	74.00	54.87	38.60	13.70	57.90 --- Peak	2	17265.00	50.75	-17.55	68.30	49.79	41.31	16.52	56.87 --- Peak	Date: 16 Level (dBuV/m) Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 100301-03 Mode : Mode 36 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr></thead><tbody><tr><td>1</td><td>11510.00</td><td>49.44</td><td>-24.56</td><td>74.00</td><td>55.04</td><td>38.60</td><td>13.70</td><td>57.90 --- Peak</td></tr><tr><td>2</td><td>17265.00</td><td>50.82</td><td>-18.28</td><td>68.30</td><td>49.80</td><td>41.31</td><td>16.52</td><td>56.87 --- Peak</td></tr></tbody></table>	Freq	Level	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB		1	11510.00	49.44	-24.56	74.00	55.04	38.60	13.70	57.90 --- Peak	2	17265.00	50.82	-18.28	68.30	49.80	41.31	16.52	56.87 --- Peak
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ANT	802.11n HT40 CH159 5795MHz																																																																																																	
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Peak Avg.	Date: 15 Level (dBuV/m) Date: 2022-11-14 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : 1D0301-03 Mode : Mode 37 SN : #20 G902370523960039 Plane : Y with Accessory setting : MCS 0 power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11598.00</td><td>49.43</td><td>-24.57</td><td>74.00</td><td>54.96</td><td>38.78</td><td>13.69</td><td>57.92</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17385.00</td><td>59.42</td><td>-17.08</td><td>60.38</td><td>49.55</td><td>41.36</td><td>15.49</td><td>56.98</td><td>---</td><td>Peak</td></tr></table>					Freq	Level	Limit	Line	Level Factor	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg		1	11598.00	49.43	-24.57	74.00	54.96	38.78	13.69	57.92	---	Peak	2	17385.00	59.42	-17.08	60.38	49.55	41.36	15.49	56.98	---	Peak	Date: 16 Level (dBuV/m) Date: 2022-11-15 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : 1D0301-03 Mode : Mode 37 SN : #20 G902370523960039 Plane : Y with Accessory setting : MCS 0 power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11598.00</td><td>49.60</td><td>-24.32</td><td>74.00</td><td>55.21</td><td>38.78</td><td>13.69</td><td>57.92</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17385.00</td><td>59.60</td><td>-17.79</td><td>60.38</td><td>49.73</td><td>41.36</td><td>15.49</td><td>56.98</td><td>---</td><td>Peak</td></tr></table>					Freq	Level	Limit	Line	Level Factor	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg		1	11598.00	49.60	-24.32	74.00	55.21	38.78	13.69	57.92	---	Peak	2	17385.00	59.60	-17.79	60.38	49.73	41.36	15.49	56.98	---	Peak
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U-NII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	U-NII-3 5725~5850MHz Harmonic @ 3m																																																																																	
ANT	802.11ac VHT80 CH155 5775MHz																																																																																	
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Peak Avg.	Date: 15 Level (dBuV/m) Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT_3117_0107 HORIZONTAL Project : 100301-03 Mode : Mode 30 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1 11550.00</td><td>49.77</td><td>-24.23</td><td>74.00</td><td>55.32</td><td>38.66</td><td>13.70</td><td>57.91</td><td>---</td><td>--- Peak</td></tr><tr><td>2 17325.00</td><td>50.26</td><td>-18.04</td><td>68.30</td><td>49.35</td><td>41.33</td><td>16.50</td><td>56.92</td><td>---</td><td>--- Peak</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	deg		1 11550.00	49.77	-24.23	74.00	55.32	38.66	13.70	57.91	---	--- Peak	2 17325.00	50.26	-18.04	68.30	49.35	41.33	16.50	56.92	---	--- Peak	Date: 16 Level (dBuV/m) Date: 2022-11-14 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT_3117_0107 VERTICAL Project : 100301-03 Mode : Mode 30 SN : #20 G092370523860039 Plane : Y with Accessory Setting : MCS 9 power setting 16 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1 11550.00</td><td>49.68</td><td>-24.32</td><td>74.00</td><td>55.23</td><td>38.66</td><td>13.70</td><td>57.91</td><td>---</td><td>--- Peak</td></tr><tr><td>2 17325.00</td><td>50.00</td><td>-18.22</td><td>68.30</td><td>49.17</td><td>41.33</td><td>16.50</td><td>56.92</td><td>---</td><td>--- Peak</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	deg		1 11550.00	49.68	-24.32	74.00	55.23	38.66	13.70	57.91	---	--- Peak	2 17325.00	50.00	-18.22	68.30	49.17	41.33	16.50	56.92	---	--- Peak
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U-NII-3 - 5725~5850MHz

Emission below 1GHz

5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI																																																																																																																																																																																							
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QP / Peak	Date: 1 Level (dBuV/m) Date: 2022-11-15 Site : 03CH02-SZ Condition : FCC CLASS-B 3m VULB9168-01001 HORIZONTAL Project : 100301-03 Mode : Mode 31 IMEI : #20 G992370523860039 Plane : Y with Accessory EM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th>Remark</th></tr><tr><td>1</td><td>182.75</td><td>21.43</td><td>-22.87</td><td>43.50</td><td>40.11</td><td>15.30</td><td>1.21</td><td>35.19</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>196.84</td><td>25.73</td><td>-17.77</td><td>43.50</td><td>42.46</td><td>16.51</td><td>1.80</td><td>35.18</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>328.83</td><td>26.73</td><td>-19.27</td><td>46.00</td><td>38.97</td><td>28.23</td><td>2.43</td><td>34.90</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>532.46</td><td>23.52</td><td>-22.48</td><td>46.00</td><td>38.53</td><td>24.44</td><td>3.19</td><td>34.64</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>756.16</td><td>26.25</td><td>-19.75</td><td>46.00</td><td>29.31</td><td>27.56</td><td>3.63</td><td>34.43</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>974.78</td><td>29.79</td><td>-24.21</td><td>54.00</td><td>29.61</td><td>29.99</td><td>4.34</td><td>34.15</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr></table>	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	dB	dB	cm	deg	Remark	1	182.75	21.43	-22.87	43.50	40.11	15.30	1.21	35.19	---	---	---	Peak	2	196.84	25.73	-17.77	43.50	42.46	16.51	1.80	35.18	---	---	---	Peak	3	328.83	26.73	-19.27	46.00	38.97	28.23	2.43	34.90	---	---	---	Peak	4	532.46	23.52	-22.48	46.00	38.53	24.44	3.19	34.64	---	---	---	Peak	5	756.16	26.25	-19.75	46.00	29.31	27.56	3.63	34.43	---	---	---	Peak	6	974.78	29.79	-24.21	54.00	29.61	29.99	4.34	34.15	---	---	---	Peak	Date: 2 Level (dBuV/m) Date: 2022-11-15 Site : 03CH02-SZ Condition : FCC CLASS-B 3m VULB9168-01001 VERTICAL Project : 100301-03 Mode : Mode 31 IMEI : #20 G992370523860039 Plane : Y with Accessory EM power setting 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th>Remark</th></tr><tr><td>1</td><td>36.79</td><td>25.86</td><td>-14.14</td><td>40.00</td><td>40.87</td><td>13.38</td><td>0.61</td><td>35.00</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>196.84</td><td>28.81</td><td>-15.49</td><td>43.50</td><td>44.74</td><td>16.51</td><td>1.80</td><td>35.18</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>332.64</td><td>21.29</td><td>-21.71</td><td>46.00</td><td>36.89</td><td>28.63</td><td>2.47</td><td>34.98</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>571.26</td><td>27.11</td><td>-18.89</td><td>46.00</td><td>33.88</td><td>25.21</td><td>3.38</td><td>34.56</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>792.42</td><td>27.98</td><td>-18.02</td><td>46.00</td><td>36.14</td><td>28.13</td><td>3.93</td><td>34.32</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>988.36</td><td>29.84</td><td>-24.16</td><td>54.00</td><td>29.48</td><td>28.13</td><td>4.35</td><td>34.12</td><td>---</td><td>---</td><td>---</td><td>Peak</td></tr></table>	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	dB	dB	cm	deg	Remark	1	36.79	25.86	-14.14	40.00	40.87	13.38	0.61	35.00	---	---	---	Peak	2	196.84	28.81	-15.49	43.50	44.74	16.51	1.80	35.18	---	---	---	Peak	3	332.64	21.29	-21.71	46.00	36.89	28.63	2.47	34.98	---	---	---	Peak	4	571.26	27.11	-18.89	46.00	33.88	25.21	3.38	34.56	---	---	---	Peak	5	792.42	27.98	-18.02	46.00	36.14	28.13	3.93	34.32	---	---	---	Peak	6	988.36	29.84	-24.16	54.00	29.48	28.13	4.35	34.12	---	---	---	Peak
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Co-location:

U-NII-3 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	U-NII-3 5725~5850MHz Band Edge @ 3m																																																																																																																									
ANT	802.11a CH165 5825MHz+BLE CH37 2476																																																																																																																									
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Peak Avg.	Date: 11 Site : 03CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_9107 HORIZONTAL Project : 100301-03 Mode : Mode 44 SN : #22 G092960523870021 Plane : Y with Accessory WIFI setting : 6M powersetting 18 BLE setting : 6/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4952.00</td><td>43.04</td><td>-38.96</td><td>74.00</td><td>57.18</td><td>33.78</td><td>38.86</td><td>57.98</td><td>--- Peak</td></tr><tr><td>2</td><td>7428.00</td><td>46.13</td><td>-27.87</td><td>74.00</td><td>57.76</td><td>35.77</td><td>12.43</td><td>59.81</td><td>--- Peak</td></tr><tr><td>3</td><td>11058.00</td><td>58.77</td><td>-23.23</td><td>74.00</td><td>56.85</td><td>38.48</td><td>14.17</td><td>57.93</td><td>--- Peak</td></tr><tr><td>4</td><td>17475.00</td><td>52.45</td><td>-15.55</td><td>68.38</td><td>59.61</td><td>41.94</td><td>16.97</td><td>57.87</td><td>--- Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg		1	4952.00	43.04	-38.96	74.00	57.18	33.78	38.86	57.98	--- Peak	2	7428.00	46.13	-27.87	74.00	57.76	35.77	12.43	59.81	--- Peak	3	11058.00	58.77	-23.23	74.00	56.85	38.48	14.17	57.93	--- Peak	4	17475.00	52.45	-15.55	68.38	59.61	41.94	16.97	57.87	--- Peak	Date: 12 Site : 03CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_9107 VERTICAL Project : 100301-03 Mode : Mode 44 SN : #22 G092960523870021 Plane : Y with Accessory WIFI setting : 6M powersetting 18 BLE setting : 6/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4952.00</td><td>43.83</td><td>-38.17</td><td>74.00</td><td>57.97</td><td>33.78</td><td>38.86</td><td>57.98</td><td>--- Peak</td></tr><tr><td>2</td><td>7428.00</td><td>46.40</td><td>-27.60</td><td>74.00</td><td>58.89</td><td>35.77</td><td>12.43</td><td>59.81</td><td>--- Peak</td></tr><tr><td>3</td><td>11058.00</td><td>58.87</td><td>-23.13</td><td>74.00</td><td>55.35</td><td>38.48</td><td>14.17</td><td>57.93</td><td>--- Peak</td></tr><tr><td>4</td><td>17475.00</td><td>52.78</td><td>-15.22</td><td>68.38</td><td>59.94</td><td>41.94</td><td>16.97</td><td>57.87</td><td>--- Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg		1	4952.00	43.83	-38.17	74.00	57.97	33.78	38.86	57.98	--- Peak	2	7428.00	46.40	-27.60	74.00	58.89	35.77	12.43	59.81	--- Peak	3	11058.00	58.87	-23.13	74.00	55.35	38.48	14.17	57.93	--- Peak	4	17475.00	52.78	-15.22	68.38	59.94	41.94	16.97	57.87	--- Peak
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																																
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg																																																																																																																		
1	4952.00	43.04	-38.96	74.00	57.18	33.78	38.86	57.98	--- Peak																																																																																																																	
2	7428.00	46.13	-27.87	74.00	57.76	35.77	12.43	59.81	--- Peak																																																																																																																	
3	11058.00	58.77	-23.23	74.00	56.85	38.48	14.17	57.93	--- Peak																																																																																																																	
4	17475.00	52.45	-15.55	68.38	59.61	41.94	16.97	57.87	--- Peak																																																																																																																	
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																																	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg																																																																																																																		
1	4952.00	43.83	-38.17	74.00	57.97	33.78	38.86	57.98	--- Peak																																																																																																																	
2	7428.00	46.40	-27.60	74.00	58.89	35.77	12.43	59.81	--- Peak																																																																																																																	
3	11058.00	58.87	-23.13	74.00	55.35	38.48	14.17	57.93	--- Peak																																																																																																																	
4	17475.00	52.78	-15.22	68.38	59.94	41.94	16.97	57.87	--- Peak																																																																																																																	

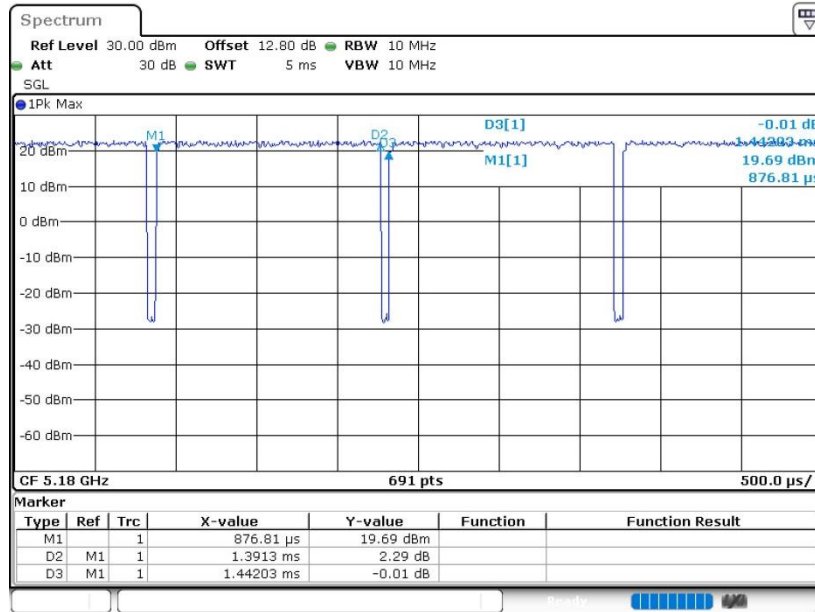
Note: For all plots, the over limit signal is Fundamental signal which can be ignored.

Appendix E. Duty Cycle Plots

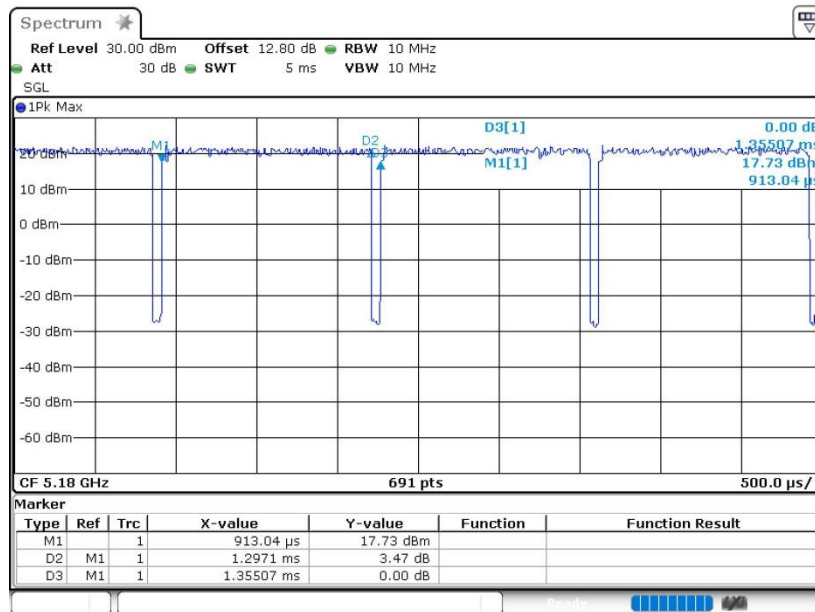
Band	Duty Cycle(%)	Duty Factor(dB)	T(ms)	1/T(kHz)	VBW Setting
802.11a	96.48	0.16	1.391	0.719	1KHz
802.11n HT20	95.72	0.19	1.297	0.771	1KHz
802.11n HT40	92.23	0.35	0.645	1.551	3KHz
802.11ac VHT80	85.74	0.67	0.323	3.101	10KHz



802.11a

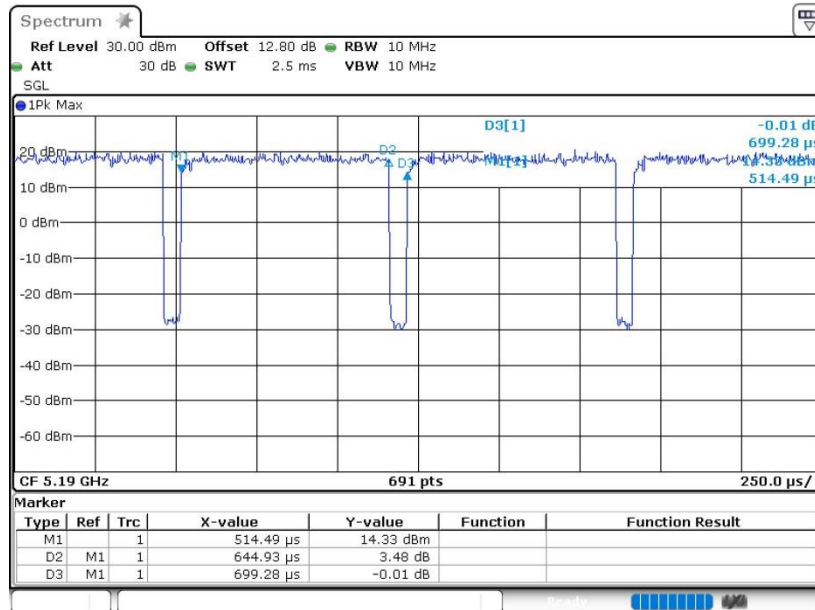


802.11n HT20





802.11n HT40



802.11ac VHT80

