

TEST REPORT

Applicant Name : Shenzhen Youmi Intelligent Technology Co., Ltd.
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Report Number : SZNS220313-08568E-RF-00A
FCC ID: 2ATZ4-A1300

Test Standard (s)

FCC PART 15.407

Sample Description

Product Type: Smart phone
Model No.: A13
Multiple Model(s) No.: F3 SE (Please refer to DOS for Model difference)
Trade Mark: UMIDIGI
Date Received: 2022/03/13
Report Date: 2022/06/07

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Approved By:



Ting Lü
EMC Engineer



Robert Li
EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

Shenzhen Accurate Technology Co., Ltd. is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with an asterisk "★". Customer model name, addresses, names, trademarks etc. are not considered data.

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TABLE OF CONTENTS

GENERAL INFORMATION	3
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	3
OBJECTIVE	3
TEST METHODOLOGY	3
MEASUREMENT UNCERTAINTY	4
TEST FACILITY	4
SYSTEM TEST CONFIGURATION	5
DESCRIPTION OF TEST CONFIGURATION	5
EUT EXERCISE SOFTWARE	6
DUTY CYCLE	6
EQUIPMENT MODIFICATIONS	6
SUPPORT EQUIPMENT LIST AND DETAILS	6
EXTERNAL I/O CABLE	6
BLOCK DIAGRAM OF TEST SETUP	7
SUMMARY OF TEST RESULTS	8
TEST EQUIPMENT LIST	9
FCC §1.1307(B) & §2.1093 - RF EXPOSURE INFORMATION	10
APPLICABLE STANDARD	10
TEST RESULT	10
FCC §15.203 – ANTENNA REQUIREMENT	11
APPLICABLE STANDARD	11
ANTENNA CONNECTOR CONSTRUCTION	11
FCC §15.407 (B) (6) §15.207 (A) – CONDUCTED EMISSIONS	12
APPLICABLE STANDARD	12
EUT SETUP	12
EMI TEST RECEIVER SETUP	12
TEST PROCEDURE	12
CORRECTED FACTOR & MARGIN CALCULATION	13
TEST DATA	13
§15.205 & §15.209 & §15.407(B)– UNDESIRABLE EMISSION	16
APPLICABLE STANDARD	16
EUT SETUP	16
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP	17
TEST PROCEDURE	17
FACTOR & MARGIN CALCULATION	18
TEST DATA	18

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Frequency Range	5G Wi-Fi: 5150-5250MHz; 5725-5850MHz
Mode	802.11a/n20/n40/ac20/ac40/ac80
Maximum Conducted Average Output Power	5150-5250MHz: 13.22dBm 5725-5850MHz: 10.29dBm
Modulation Technique	OFDM
Antenna Specification*	1.08 dBi (It is provided by the applicant)
Voltage Range	DC 3.85V from battery or DC 5V from adapter
Sample serial number	SZNS220313-08568E-RF-S1 (Assigned by ATC)
Sample/EUT Status	Good condition
Adapter information	Model: HJ-0502000W2-US Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 5 V, 2A

Note: The series model F3 SE is electrical identical to the model A13, the difference between them is back cover shape, the material is same, so the difference will not affect the test result, only the model A13 was tested.

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And KDB789033 D02 General U-NII Test Procedures New Rules v02r01.

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		5%
RF Frequency		0.082×10^{-7}
RF output power, conducted		0.73dB
Unwanted Emission, conducted		1.6dB
AC Power Lines Conducted Emissions		2.72dB
Emissions, Radiated	9kHz - 30MHz	2.66dB
	30MHz - 1GHz	4.28dB
	1GHz - 18GHz	4.98dB
	18GHz - 26.5GHz	5.06dB
	26.5GHz - 40GHz	4.72dB
Temperature		1°C
Humidity		6%
Supply voltages		0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 4297.01.

Listed by Innovation, Science and Economic Development Canada (ISED), the Registration Number is 5077A.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode, which was provided by manufacturer.

The device support 5G Wi-Fi 802.11a/n20/n40/ac20/ac40/ac80 modes.

For 5150-5250MHz Band, 7 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
38	5190	46	5230
40	5200	48	5240
42	5210	/	/

For 802.11a/n20/ac20 mode: channel 36, 40, 48 were tested;

For 802.11n40/ac40 mode: channel 38, 46 were tested;

For 802.11ac80 mode, channel 42 was tested.

For 5725-5850MHz Band, 8 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785
151	5755	159	5795
153	5765	161	5805
155	5775	165	5825

For 802.11a/n20/ac20 mode: channel 149, 157, 165 were tested;

For 802.11n40/ac40 mode: channel 151, 159 were tested;

For 802.11ac80 mode, channel 155 was tested.

EUT Exercise Software

EUT was test in engineering mode.

The worst case was performed under:

U-NII	Mode	Data rate	Power Level		
			Low Channel	Middle Channel	High Channel
5150 – 5250MHz	802.11a	6Mbps	16	16	16
	802.11n-HT20	MCS0	16	16	16
	802.11n-HT40	MCS0	16	/	16
	802.11ac20	MCS0	16	16	16
	802.11ac40	MCS0	16	/	16
	802.11ac80	MCS0	/	16	/
5725 – 5850MHz	802.11a	6Mbps	16	16	16
	802.11n-HT20	MCS0	16	16	16
	802.11n-HT40	MCS0	16	/	16
	802.11ac20	MCS0	16	16	16
	802.11ac40	MCS0	16	/	16
	802.11ac80	MCS0	/	16	/

The worse-case data rates are determined to be as follows for each mode based upon investigations by measuring the output power and PSD across all data rated bandwidths, and modulations.

The power level was provided by the applicant.

Duty cycle

Test Result: Pass. Please refer to report SZNS220313-08566E-RF-00B.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

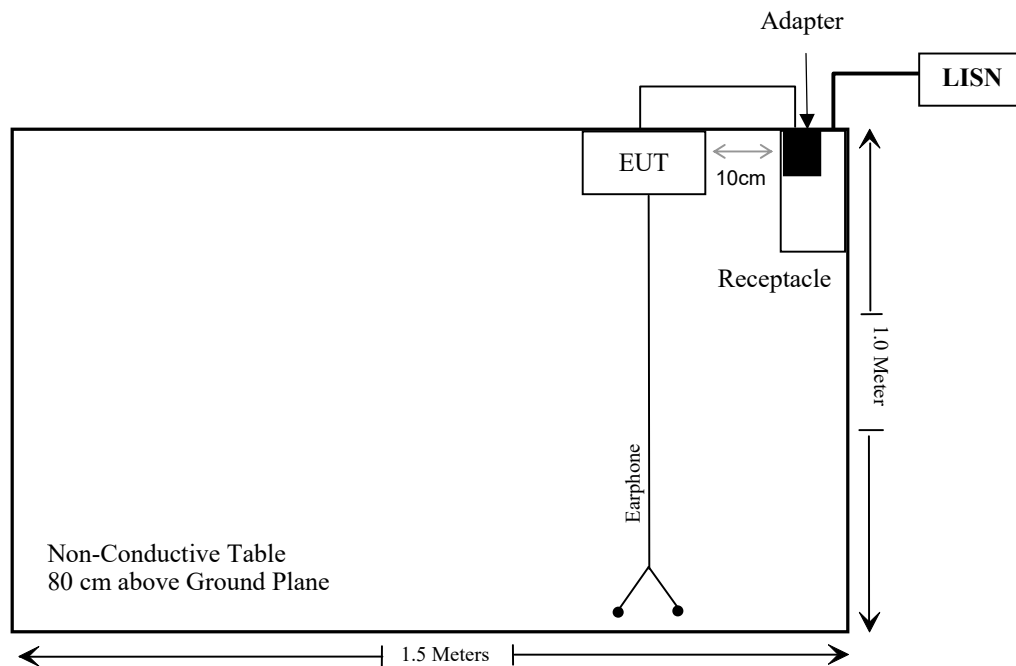
Manufacturer	Description	Model	Serial Number
Unknown	Earphone	Unknown	Earphone

External I/O Cable

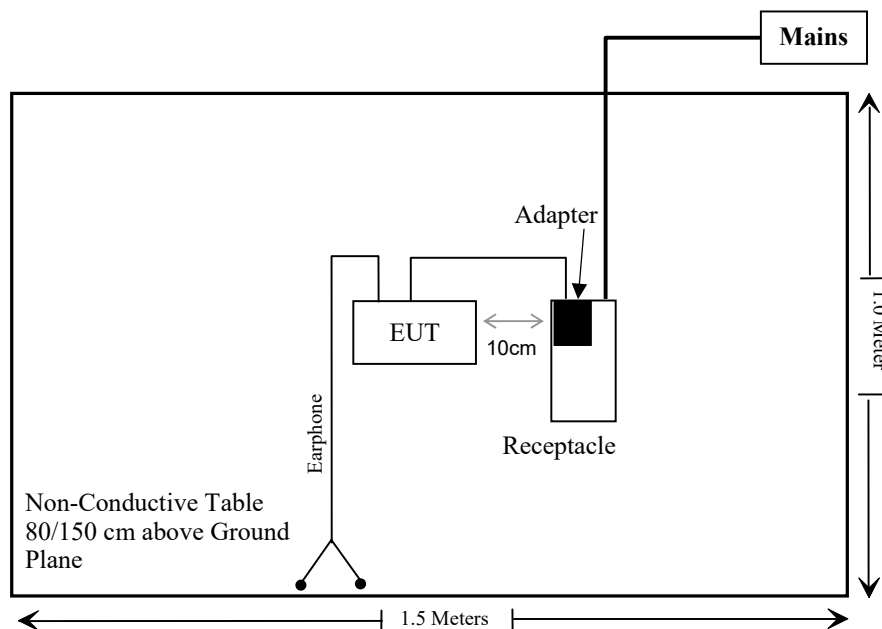
Cable Description	Length (m)	From Port	To
Un-shielding Detachable USB Cable	1.0	EUT	Adapter

Block Diagram of Test Setup

For conducted emission:



For radiated emission:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1307 (b) (1) & §2.1093	RF Exposure	Compliant
§15.203	Antenna Requirement	Compliant
§15.407(b)(9)& §15.207(a)	Conducted Emissions	Compliant
§15.205& §15.209 &§15.407(b)	Undesirable Emission& Restricted Bands	Compliant
§15.407(a) (e)	26 dB Emission Bandwidth & 6dB Bandwidth	Compliant*
§15.407(a)	Conducted Transmitter Output Power	Compliant*
§15.407 (a)	Power Spectral Density	Compliant*
§15.407 (h)	Transmit Power Control (TPC)	Not Applicable
§15.407 (h)	Dynamic Frequency Selection (DFS)	Not Applicable*

Not Applicable: the EUT has no TPC function which was declared by the applicant.

Not Applicable*: the EUT not operating within frequency range of 5250-5350MHz&5470-5725MHz.

Compliant*: The EUT is identical with the certified device (model name: Smart phone, model number: A13 Pro, F3S, FCC ID: 2ATZ4-A13PF), except for the NFC function was removed. The output power of EUT was tested and verified remain within the tune-up tolerance range, so the test data please refer to the report SZNS220313-08566E-RF-00B.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde& Schwarz	EMI Test Receiver	ESCI	100784	2021/12/13	2022/12/12
Rohde & Schwarz	L.I.S.N.	ENV216	101314	2021/12/13	2022/12/12
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2021/12/13	2022/12/12
Unknown	RF Coaxial Cable	No.17	N0350	2021/12/14	2022/12/13
Conducted Emission Test Software: e3 19821b (V9)					
Radiated Emissions Test					
Rohde& Schwarz	Test Receiver	ESR	102725	2021/12/13	2022/12/12
Rohde&Schwarz	Spectrum Analyzer	FSV40	101949	2021/12/13	2022/12/12
SONOMA INSTRUMENT	Amplifier	310 N	186131	2021/11/09	2022/11/08
A.H. Systems, inc.	Preamplifier	PAM-0118P	135	2021/11/09	2022/11/08
Quinstar	Amplifier	QLW-18405536-J0	15964001002	2021/11/11	2022/11/10
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
Schwarzbeck	Horn Antenna	BBHA9120 D	9120D-1067	2020/01/05	2023/01/04
Schwarzbeck	HORN ANTENNA	BBHA9170	9170-359	2020/01/05	2023/01/04
Radiated Emission Test Software: e3 19821b (V9)					
Unknown	RF Coaxial Cable	No.10	N050	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.11	N1000	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.12	N040	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.13	N300	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.15	N600	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.16	N650	2021/12/14	2022/12/13
CD	Band Reject Filter	BRM-5.15/5.35g-45	075	2021/12/14	2022/12/13
CD	Band Reject Filter	BRM-5.725/5.875 G-45	065	2021/12/14	2022/12/13

* **Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307(b) & §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: CR22040029-20A.

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.407 (a), if the transmitting antennas of directional gain greater than 6dBi are used, the transmit power and power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has one internal antenna arrangement for 5G Wi-Fi which were permanently attached. Please refer to the EUT photos.

Type	Antenna Gain	Impedance	Frequency Range
FPC	1.08dBi	50 Ω	5150-5850MHz

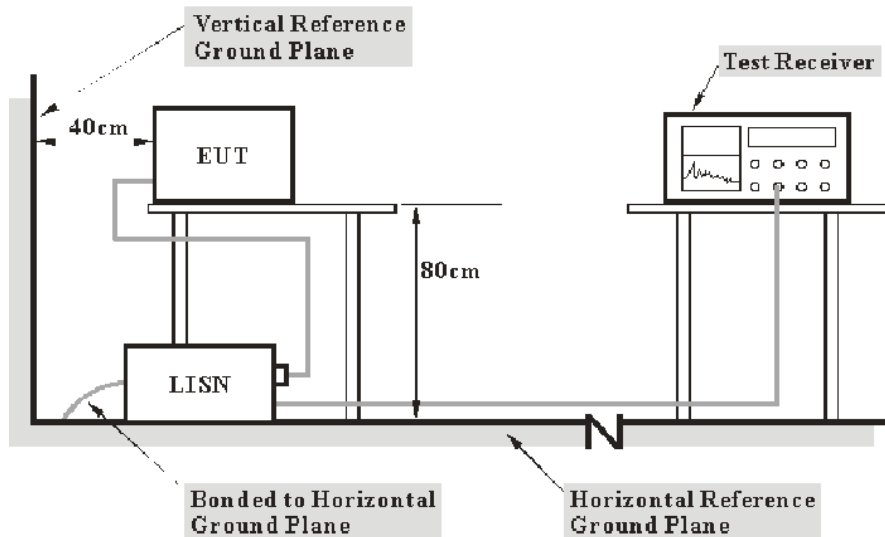
Result: Compliant.

FCC §15.407 (b) (6) §15.207 (a) – CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207, §15.407(b) (6)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and Average detection mode.

Corrected Factor & Margin Calculation

The Transd factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit} &= \text{Level} - \text{Limit} \\ \text{Level} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Test Data

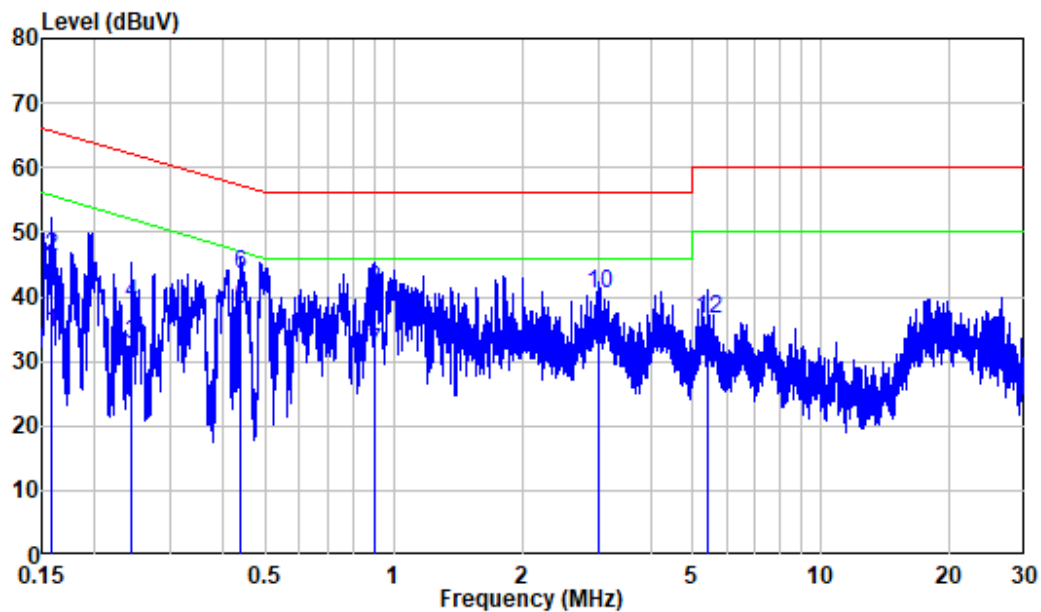
Environmental Conditions

Temperature:	23 °C
Relative Humidity:	51 %
ATM Pressure:	101.0 kPa

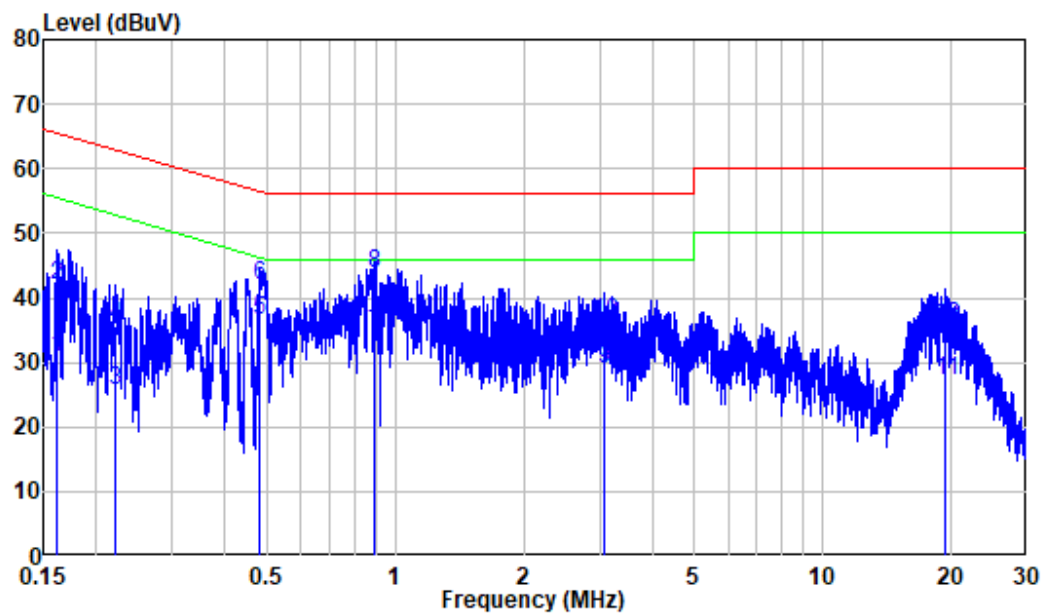
The testing was performed by Jason on 2022-05-26.

EUT operation mode: Transmitting (worst case is 802.11a, 5180MHz)

AC 120V/60 Hz, Line



	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.158	9.80	24.61	34.41	55.55	-21.14	Average
2	0.158	9.80	36.31	46.11	65.55	-19.44	QP
3	0.243	9.80	22.84	32.64	52.01	-19.37	Average
4	0.243	9.80	29.16	38.96	62.01	-23.05	QP
5	0.436	9.80	28.19	37.99	47.13	-9.14	Average
6	0.436	9.80	33.70	43.50	57.13	-13.63	QP
7	0.899	9.81	21.73	31.54	46.00	-14.46	Average
8	0.899	9.81	31.37	41.18	56.00	-14.82	QP
9	3.025	9.83	22.77	32.60	46.00	-13.40	Average
10	3.025	9.83	30.66	40.49	56.00	-15.51	QP
11	5.429	9.85	20.40	30.25	50.00	-19.75	Average
12	5.429	9.85	26.53	36.38	60.00	-23.62	QP

AC 120V/60 Hz, Neutral

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.162	9.80	21.10	30.90	55.36	-24.46	Average
2	0.162	9.80	32.09	41.89	65.36	-23.47	QP
3	0.222	9.80	15.95	25.75	52.75	-27.00	Average
4	0.222	9.80	25.94	35.74	62.75	-27.01	QP
5	0.482	9.80	26.66	36.46	46.30	-9.84	Average
6	0.482	9.80	32.17	41.97	56.30	-14.33	QP
7	0.897	9.81	24.47	34.28	46.00	-11.72	Average
8	0.897	9.81	33.97	43.78	56.00	-12.22	QP
9	3.070	9.83	19.07	28.90	46.00	-17.10	Average
10	3.070	9.83	26.33	36.16	56.00	-19.84	QP
11	19.377	10.09	17.18	27.27	50.00	-22.73	Average
12	19.377	10.09	25.56	35.65	60.00	-24.35	QP

§15.205 & §15.209 & §15.407(B)– UNDESIRABLE EMISSION

Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

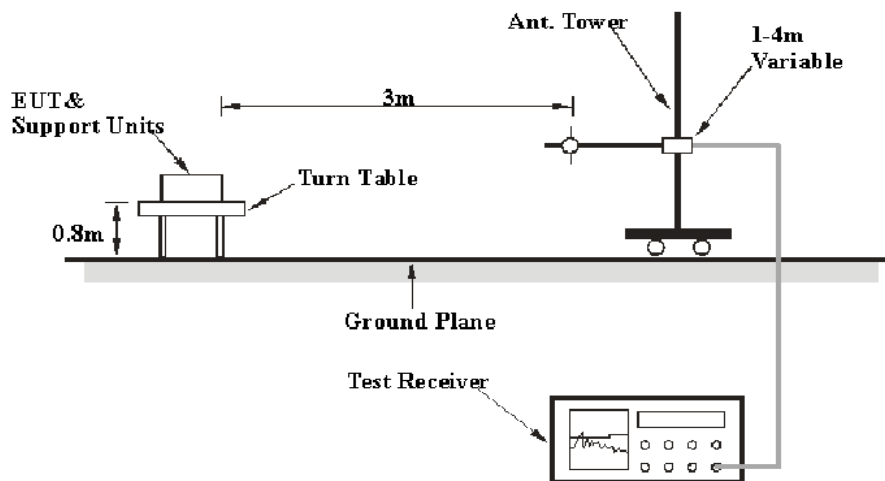
(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

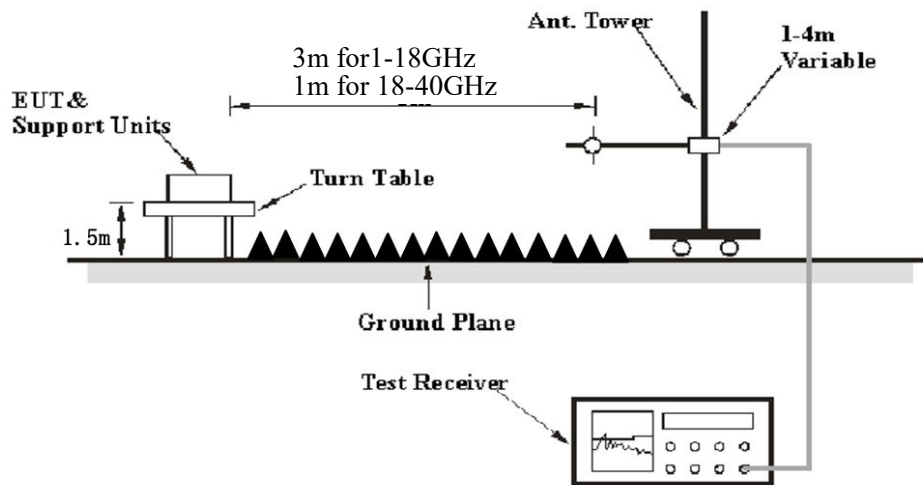
- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (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.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

Below 1 GHz:



Above 1 GHz:

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC 15.209 and FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	PK
	1MHz	10 Hz ^{Note 1}	/	Average
	1MHz	> 1/T ^{Note 2}	/	Average

Note 1: when duty cycle is no less than 98%

Note 2: when duty cycle is less than 98%

Test Procedure**Radiated Spurious Emission**

During the radiated emission test, the adapter was connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all the installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1GHz, peak and Average detection modes for frequencies above 1GHz.

According to ANSI C63.10-2013,9.4: For field strength measurements made at other than the distance at which the applicable limit is specified, extrapolate the measured field strength to the field strength at the distance specified by the limit using an inverse distance correction factor (20 dB/decade of distance). In some cases, a different distance correction factor may be required;

$$E_{\text{SpecLimit}} = E_{\text{Meas}} + 20 \log \left(\frac{d_{\text{Meas}}}{d_{\text{SpecLimit}}} \right)$$

where

$E_{\text{SpecLimit}}$	is the field strength of the emission at the distance specified by the limit, in dB μ V/m
E_{Meas}	is the field strength of the emission at the measurement distance, in dB μ V/m
d_{Meas}	is the measurement distance, in m
$d_{\text{SpecLimit}}$	is the distance specified by the limit, in m

So the extrapolation factor of 1m is $20 \cdot \log(1/3) = -9.5$ dB, for 18-40GHz range, the limit of 1m distance was added by 9.5dB from limit of 3m to compared with the result measurement at 1m distance.

Factor & Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit/Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned} \text{Over Limit/Margin} &= \text{Level / Corrected Amplitude} - \text{Limit} \\ \text{Level / Corrected Amplitude} &= \text{Read Level} + \text{Factor} \end{aligned}$$

Test Data

Environmental Conditions

Temperature:	25.5~30 °C
Relative Humidity:	50~65 %
ATM Pressure:	101.0 kPa

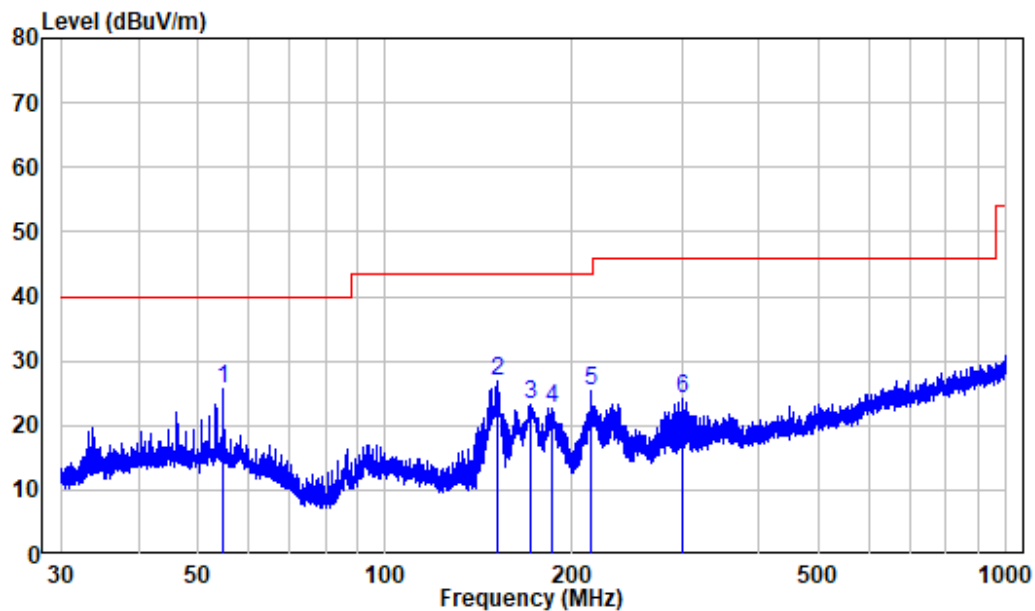
The testing was performed by Leo on 2022-05-30 for below 1GHz, Icey Huang and Level from 2022-06-01 to 2022-06-02 for above 1GHz.

EUT operation mode: Transmitting(Pre-scan in the X,Y and Z axes of orientation, the worst case X-axes of orientation was recorded)

30 MHz – 1 GHz: (worst case is 802.11a, 5180MHz)

Note: When the result of Peak less than the limit of QP by more than 6dB, just the peak value was recorded.

Horizontal



Site : chamber

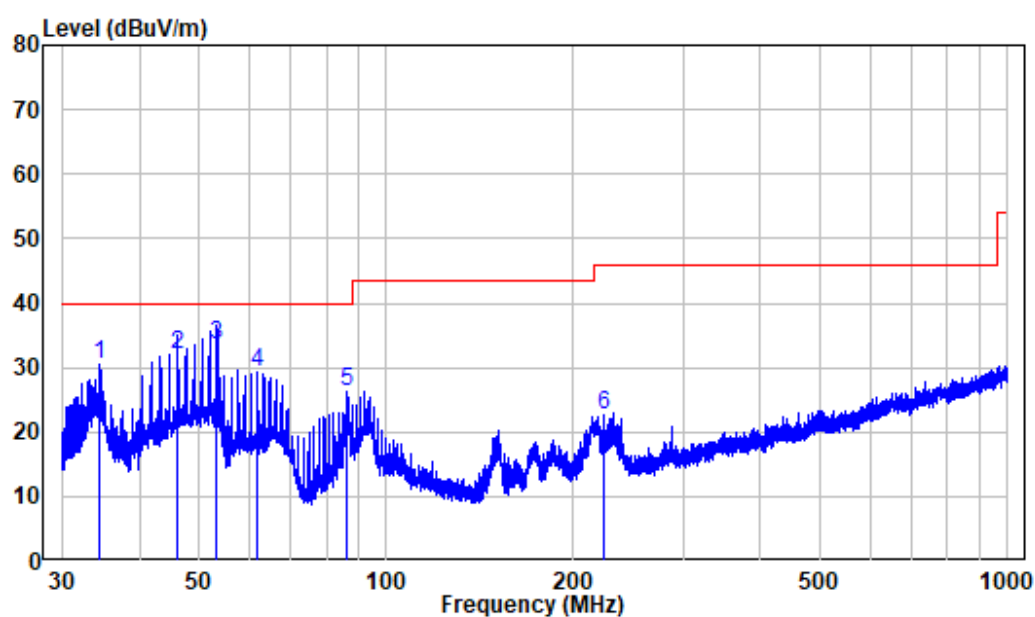
Condition: 3m HORIZONTAL

Job No. : SZNS220313-08568E-RF

Test Mode: 5G WIFI

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	54.811	-10.29	36.04	25.75	40.00	-14.25	Peak
2	151.531	-15.18	42.06	26.88	43.50	-16.62	Peak
3	171.769	-13.40	36.69	23.29	43.50	-20.21	Peak
4	186.114	-12.04	34.80	22.76	43.50	-20.74	Peak
5	214.891	-11.68	36.97	25.29	43.50	-18.21	Peak
6	301.555	-9.18	33.30	24.12	46.00	-21.88	Peak

Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : SZNS220313-08568E-RF

Test Mode: 5G WIFI

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.608	-11.67	42.21	30.54	40.00	-9.46	Peak
2	46.117	-9.99	42.08	32.09	40.00	-7.91	QP
3	53.365	-10.23	43.85	33.62	40.00	-6.38	QP
4	61.995	-11.44	40.77	29.33	40.00	-10.67	Peak
5	86.011	-15.20	41.50	26.30	40.00	-13.70	Peak
6	223.733	-11.29	34.00	22.71	46.00	-23.29	Peak

Above 1GHz:**5150-5250 MHz:**

Frequency (MHz)	Receiver		Turn- Table Angle Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	PK/QP/AV		Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11a									
5180 MHz									
4500	62.80	PK	230	1.8	H	-4.72	58.08	74	-15.92
4500	49.62	AV	230	1.8	H	-4.72	44.90	54	-9.10
4500	62.93	PK	352	1.5	V	-4.72	58.21	74	-15.79
4500	49.98	AV	352	1.5	V	-4.72	45.26	54	-8.74
5150	64.02	PK	256	1.6	H	-2.73	61.29	74	-12.71
5150	49.98	AV	256	1.6	H	-2.73	47.25	54	-6.75
5150	63.12	PK	189	2.0	V	-2.73	60.39	74	-13.61
5150	50.24	AV	189	2.0	V	-2.73	47.51	54	-6.49
10360	56.03	PK	40	1.9	H	8.12	64.15	68.2	-4.05
10360	56.77	PK	149	1.8	V	8.12	64.89	68.2	-3.31
5200MHz									
10400	55.91	PK	115	2.0	H	8.24	64.15	68.2	-4.05
10400	56.07	PK	114	1.8	V	8.24	64.31	68.2	-3.89
5240MHz									
5350	64.56	PK	236	1.7	H	-2.33	62.23	74	-11.77
5350	50.49	PK	310	2.0	V	-2.33	48.16	54	-5.84
5350	64.49	PK	209	1.6	V	-2.33	62.16	74	-11.84
5350	50.48	AV	209	1.6	V	-2.33	48.15	54	-5.85
5460	63.30	PK	163	1.5	H	-2.26	61.04	74	-12.96
5460	50.57	AV	163	1.5	H	-2.26	48.31	54	-5.69
5460	63.10	PK	250	2.1	V	-2.26	60.84	74	-13.16
5460	50.45	AV	250	2.1	V	-2.26	48.19	54	-5.81
10480	51.55	PK	146	2.1	H	8.56	60.11	68.2	-8.09
10480	54.55	PK	337	1.9	V	8.56	63.11	68.2	-5.09

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	PK/QP/AV	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11n20									
5180 MHz									
4500	62.76	PK	353	1.6	H	-4.72	58.04	74	-15.96
4500	49.82	AV	353	1.6	H	-4.72	45.10	54	-8.90
4500	62.92	PK	118	1.9	V	-4.72	58.20	74	-15.80
4500	49.50	AV	118	1.9	V	-4.72	44.78	54	-9.22
5150	63.91	PK	283	2.0	H	-2.73	61.18	74	-12.82
5150	49.88	AV	283	2.0	H	-2.73	47.15	54	-6.85
5150	63.66	PK	130	1.6	V	-2.73	60.93	74	-13.07
5150	49.79	AV	130	1.6	V	-2.73	47.06	54	-6.94
10360	55.69	PK	240	2.0	H	8.12	63.81	68.2	-4.39
10360	56.35	PK	307	1.8	V	8.12	64.47	68.2	-3.73
5200MHz									
10400	55.34	PK	187	1.7	H	8.24	63.58	68.2	-4.62
10400	55.95	PK	61	1.9	V	8.24	64.19	68.2	-4.01
5240MHz									
5350	64.84	PK	130	2.0	H	-2.33	62.51	74	-11.49
5350	50.96	PK	346	1.6	V	-2.33	48.63	54	-5.37
5350	64.61	PK	333	2.0	V	-2.33	62.28	74	-11.72
5350	50.86	AV	333	2.0	V	-2.33	48.53	54	-5.47
5460	63.26	PK	166	2.0	H	-2.26	61.00	74	-13.00
5460	50.43	AV	166	2.0	H	-2.26	48.17	54	-5.83
5460	63.36	PK	307	1.9	V	-2.26	61.10	74	-12.90
5460	50.56	AV	307	1.9	V	-2.26	48.30	54	-5.70
10480	53.94	PK	262	1.8	H	8.56	62.50	68.2	-5.70
10480	54.85	PK	51	1.6	V	8.56	63.41	68.2	-4.79

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	PK/QP/AV	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11n40									
5190 MHz									
4500	62.97	PK	248	2.1	H	-4.72	58.25	74	-15.75
4500	50.37	AV	248	2.1	H	-4.72	45.65	54	-8.35
4500	62.74	PK	87	1.6	V	-4.72	58.02	74	-15.98
4500	50.44	AV	87	1.6	V	-4.72	45.72	54	-8.28
5150	63.93	PK	321	1.7	H	-2.73	61.20	74	-12.80
5150	50.31	AV	321	1.7	H	-2.73	47.58	54	-6.42
5150	63.86	PK	112	1.6	V	-2.73	61.13	74	-12.87
5150	50.46	AV	112	1.6	V	-2.73	47.73	54	-6.27
10380	51.98	PK	222	1.9	H	8.18	60.16	68.2	-8.04
10380	53.09	PK	0	1.9	V	8.18	61.27	68.2	-6.93
5230MHz									
5350	64.60	PK	277	1.8	H	-2.33	62.27	74	-11.73
5350	51.28	AV	277	1.8	H	-2.33	48.95	54	-5.05
5350	64.44	PK	169	1.8	V	-2.33	62.11	74	-11.89
5350	51.15	AV	169	1.8	V	-2.33	48.82	54	-5.18
5460	63.20	PK	219	1.8	H	-2.26	60.94	74	-13.06
5460	50.94	AV	219	1.8	H	-2.26	48.68	54	-5.32
5460	62.90	PK	156	1.9	V	-2.26	60.64	74	-13.36
5460	50.81	AV	156	1.9	V	-2.26	48.55	54	-5.45
10460	52.57	PK	138	1.7	H	8.47	61.04	68.2	-7.16
10460	53.77	PK	256	2.0	V	8.47	62.24	68.2	-5.96

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	PK/QP/AV	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11ac20									
5180 MHz									
4500	64.60	PK	277	1.8	H	-2.33	62.27	74	-11.73
4500	51.28	AV	277	1.8	H	-2.33	48.95	54	-5.05
4500	64.44	PK	169	1.8	V	-2.33	62.11	74	-11.89
4500	51.15	AV	169	1.8	V	-2.33	48.82	54	-5.18
5150	63.20	PK	219	1.8	H	-2.26	60.94	74	-13.06
5150	50.94	AV	219	1.8	H	-2.26	48.68	54	-5.32
5150	62.90	PK	156	1.9	V	-2.26	60.64	74	-13.36
5150	50.81	AV	156	1.9	V	-2.26	48.55	54	-5.45
10360	52.57	PK	138	1.7	H	8.47	61.04	68.2	-7.16
10360	53.77	PK	256	2.0	V	8.47	62.24	68.2	-5.96
5200MHz									
10400	55.65	PK	195	2.1	H	8.24	63.89	68.2	-4.31
10400	56.56	PK	350	2.0	V	8.24	64.80	68.2	-3.40
5240MHz									
5350	64.67	PK	289	1.9	H	-2.33	62.34	74	-11.66
5350	50.86	PK	147	1.9	V	-2.33	48.53	54	-5.47
5350	64.50	PK	126	1.9	V	-2.33	62.17	74	-11.83
5350	50.75	AV	126	1.9	V	-2.33	48.42	54	-5.58
5460	63.41	PK	311	1.9	H	-2.26	61.15	74	-12.85
5460	50.82	AV	311	1.9	H	-2.26	48.56	54	-5.44
5460	63.30	PK	159	1.5	V	-2.26	61.04	74	-12.96
5460	50.69	AV	159	1.5	V	-2.26	48.43	54	-5.57
10480	54.02	PK	129	2.1	H	8.56	62.58	68.2	-5.62
10480	55.83	PK	356	1.9	V	8.56	64.39	68.2	-3.81

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11ac40									
5190 MHz									
4500	62.66	PK	241	1.5	H	-4.72	57.94	74	-16.06
4500	50.38	AV	241	1.5	H	-4.72	45.66	54	-8.34
4500	62.43	PK	76	1.6	V	-4.72	57.71	74	-16.29
4500	50.20	AV	76	1.6	V	-4.72	45.48	54	-8.52
5150	63.62	PK	123	2.0	H	-2.73	60.89	74	-13.11
5150	50.47	AV	123	2.0	H	-2.73	47.74	54	-6.26
5150	63.37	PK	192	1.7	V	-2.73	60.64	74	-13.36
5150	50.58	AV	192	1.7	V	-2.73	47.85	54	-6.15
10380	53.17	PK	239	1.7	H	8.18	61.35	68.2	-6.85
10380	54.23	PK	114	2.0	V	8.18	62.41	68.2	-5.79
5230MHz									
5350	64.54	PK	10	1.9	H	-2.33	62.21	74	-11.79
5350	50.95	AV	10	1.9	H	-2.33	48.62	54	-5.38
5350	64.27	PK	327	1.7	V	-2.33	61.94	74	-12.06
5350	50.78	AV	327	1.7	V	-2.33	48.45	54	-5.55
5460	63.20	PK	21	1.7	H	-2.26	60.94	74	-13.06
5460	50.86	AV	21	1.7	H	-2.26	48.60	54	-5.40
5460	63.19	PK	51	1.9	V	-2.26	60.93	74	-13.07
5460	50.98	AV	51	1.9	V	-2.26	48.72	54	-5.28
10460	53.78	PK	34	1.8	H	8.47	62.25	68.2	-5.95
10460	55.14	PK	98	1.7	V	8.47	63.61	68.2	-4.59

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11ac80									
5210MHz									
4500	62.63	PK	253	1.9	H	-4.72	57.91	74	-16.09
4500	51.33	AV	253	1.9	H	-4.72	46.61	54	-7.39
4500	62.54	PK	118	1.5	V	-4.72	57.82	74	-16.18
4500	51.03	AV	118	1.5	V	-4.72	46.31	54	-7.69
5150	63.89	PK	38	1.7	H	-2.73	61.16	74	-12.84
5150	51.38	AV	38	1.7	H	-2.73	48.65	54	-5.35
5150	63.57	PK	359	1.9	V	-2.73	60.84	74	-13.16
5150	51.38	AV	359	1.9	V	-2.73	48.65	54	-5.35
5350	64.87	PK	94	2.0	H	-2.33	62.54	74	-11.46
5350	52.05	AV	94	2.0	H	-2.33	49.72	54	-4.28
5350	64.47	PK	27	1.6	V	-2.33	62.14	74	-11.86
5350	51.74	AV	27	1.6	V	-2.33	49.41	54	-4.59
5460	63.46	PK	223	1.6	H	-2.26	61.20	74	-12.80
5460	51.65	AV	223	1.6	H	-2.26	49.39	54	-4.61
5460	63.15	PK	223	1.6	V	-2.26	60.89	74	-13.11
5460	51.64	AV	223	1.6	V	-2.26	49.38	54	-4.62
10420	51.94	PK	118	1.9	H	8.32	60.26	68.2	-7.94
10420	53.13	PK	333	1.8	V	8.32	61.45	68.2	-6.75

5725-5850 MHz:

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBµV/m)	FCC Part 15.407	
	Reading (dBµV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBµV/m)	Margin (dB)
802.11a									
5745 MHz									
5725	69.46	PK	156	1.5	H	-1.96	67.5	122.2	-54.70
5725	71.99	PK	173	1.8	V	-1.96	70.03	122.2	-52.17
5720	65.33	PK	63	1.9	H	-1.97	63.36	110.8	-47.44
5720	66.77	PK	7	1.5	V	-1.97	64.8	110.8	-46.00
5700	65.64	PK	24	1.9	H	-2.02	63.62	105.2	-41.58
5700	66.65	PK	69	1.8	V	-2.02	64.63	105.2	-40.57
5650	65.19	PK	321	1.6	H	-1.95	63.24	68.2	-4.96
5650	65.19	PK	161	1.8	V	-1.95	63.24	68.2	-4.96
11490	49.26	PK	111	1.5	H	6.63	55.89	74	-18.11
11490	36.93	AV	111	1.5	H	6.63	43.56	54	-10.44
11490	54.47	PK	88	1.5	V	6.63	61.1	74	-12.90
11490	42.26	AV	88	1.5	V	6.63	48.89	54	-5.11
5785 MHz									
11570	49.75	PK	350	2.0	H	6.59	56.34	74	-17.66
11570	37.32	AV	350	2.0	H	6.59	43.91	54	-10.09
11570	55.26	PK	198	2.0	V	6.59	61.85	74	-12.15
11570	42.84	AV	198	2.0	V	6.59	49.43	54	-4.57
5825 MHz									
5850	68.02	PK	157	2.0	H	-1.81	66.21	122.2	-55.99
5850	70.2	PK	228	1.8	V	-1.81	68.39	122.2	-53.81
5855	66.09	PK	248	1.9	H	-1.82	64.27	110.8	-46.53
5855	66.61	PK	119	2.0	V	-1.82	64.79	110.8	-46.01
5875	65.51	PK	214	1.8	H	-1.84	63.67	105.2	-41.53
5875	66.48	PK	252	2.0	V	-1.84	64.64	105.2	-40.56
5925	66.99	PK	101	1.8	H	-1.82	65.17	68.2	-3.03
5925	66.7	PK	212	1.7	V	-1.82	64.88	68.2	-3.32
11650	49.89	PK	324	2.1	H	6.77	56.66	74	-17.34
11650	37.49	AV	324	2.1	H	6.77	44.26	54	-9.74
11650	55.12	PK	223	1.9	V	6.77	61.89	74	-12.11
11650	43.21	AV	223	1.9	V	6.77	49.98	54	-4.02

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11n20									
5745 MHz									
5725	69.45	PK	298	1.7	H	-1.96	67.49	122.2	-54.71
5725	72.28	PK	117	1.6	V	-1.96	70.32	122.2	-51.88
5720	65.35	PK	244	1.6	H	-1.97	63.38	110.8	-47.42
5720	66.08	PK	213	1.9	V	-1.97	64.11	110.8	-46.69
5700	66.42	PK	245	1.7	H	-2.02	64.4	105.2	-40.80
5700	67.21	PK	315	1.8	V	-2.02	65.19	105.2	-40.01
5650	64.53	PK	37	1.7	H	-1.95	62.58	68.2	-5.62
5650	65.48	PK	276	1.8	V	-1.95	63.53	68.2	-4.67
11490	50.14	PK	169	1.7	H	6.63	56.77	74	-17.23
11490	37.4	AV	169	1.7	H	6.63	44.03	54	-9.97
11490	54.55	PK	161	1.5	V	6.63	61.18	74	-12.82
11490	42.74	AV	161	1.5	V	6.63	49.37	54	-4.63
5785 MHz									
11570	51.64	PK	300	1.8	H	6.59	58.23	74	-15.77
11570	38.7	AV	300	1.8	H	6.59	45.29	54	-8.71
11570	54.1	PK	326	1.9	V	6.59	60.69	74	-13.31
11570	43.37	AV	326	1.9	V	6.59	49.96	54	-4.04
5825 MHz									
5850	68.08	PK	127	1.8	H	-1.81	66.27	122.2	-55.93
5850	69.77	PK	302	1.9	V	-1.81	67.96	122.2	-54.24
5855	65.38	PK	18	1.9	H	-1.82	63.56	110.8	-47.24
5855	66.62	PK	35	1.6	V	-1.82	64.8	110.8	-46.00
5875	65.61	PK	150	2.0	H	-1.84	63.77	105.2	-41.43
5875	66.71	PK	156	1.9	V	-1.84	64.87	105.2	-40.33
5925	66.73	PK	46	1.6	H	-1.82	64.91	68.2	-3.29
5925	66.49	PK	68	1.5	V	-1.82	64.67	68.2	-3.53
11650	51.39	PK	321	1.6	H	6.77	58.16	74	-15.84
11650	38.97	AV	321	1.6	H	6.77	45.74	54	-8.26
11650	55.08	PK	354	1.7	V	6.77	61.85	74	-12.15
11650	43.31	AV	354	1.7	V	6.77	50.08	54	-3.92

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11n40									
5755 MHz									
5725	67.64	PK	214	1.6	H	-1.96	65.68	122.2	-56.52
5725	69.96	PK	0	2.0	V	-1.96	68	122.2	-54.20
5720	65.6	PK	210	2.0	H	-1.97	63.63	110.8	-47.17
5720	66.77	PK	58	1.9	V	-1.97	64.8	110.8	-46.00
5700	66.06	PK	93	1.8	H	-2.02	64.04	105.2	-41.16
5700	67.28	PK	40	1.8	V	-2.02	65.26	105.2	-39.94
5650	66.09	PK	153	1.8	H	-1.95	64.14	68.2	-4.06
5650	65.37	PK	128	1.5	V	-1.95	63.42	68.2	-4.78
11510	49.64	PK	58	1.6	H	6.59	56.23	74	-17.77
11510	36.86	AV	58	1.6	H	6.59	43.45	54	-10.55
11510	53.58	PK	21	1.8	V	6.59	60.17	74	-13.83
11510	41.54	AV	21	1.8	V	6.59	48.13	54	-5.87
5795 MHz									
5850	67.83	PK	89	1.7	H	-1.81	66.02	122.2	-56.18
5850	69.61	PK	278	1.8	V	-1.81	67.8	122.2	-54.40
5855	65.09	PK	104	2.1	H	-1.82	63.27	110.8	-47.53
5855	65.86	PK	358	1.6	V	-1.82	64.04	110.8	-46.76
5875	65.7	PK	264	1.9	H	-1.84	63.86	105.2	-41.34
5875	66.92	PK	53	2.0	V	-1.84	65.08	105.2	-40.12
5925	66	PK	295	1.7	H	-1.82	64.18	68.2	-4.02
5925	65.74	PK	78	1.8	V	-1.82	63.92	68.2	-4.28
11590	46.9	PK	329	2.0	H	6.57	53.47	74	-20.53
11590	33.87	AV	329	2.0	H	6.57	40.44	54	-13.56
11590	52.75	PK	347	1.8	V	6.57	59.32	74	-14.68
11590	40.5	AV	347	1.8	V	6.57	47.07	54	-6.93

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11ac20									
5745 MHz									
5725	68.43	PK	231	1.6	H	-1.96	66.47	122.2	-55.73
5725	71.66	PK	198	2.0	V	-1.96	69.7	122.2	-52.50
5720	65.73	PK	147	1.7	H	-1.97	63.76	110.8	-47.04
5720	67.02	PK	245	1.6	V	-1.97	65.05	110.8	-45.75
5700	66.32	PK	106	1.7	H	-2.02	64.3	105.2	-40.90
5700	66.87	PK	14	1.6	V	-2.02	64.85	105.2	-40.35
5650	65.33	PK	97	1.9	H	-1.95	63.38	68.2	-4.82
5650	65.43	PK	241	1.8	V	-1.95	63.48	68.2	-4.72
11490	50.35	PK	0	1.8	H	6.63	56.98	74	-17.02
11490	38.14	AV	0	1.8	H	6.63	44.77	54	-9.23
11490	54.59	PK	103	2.1	V	6.63	61.22	74	-12.78
11490	43.18	AV	103	2.1	V	6.63	49.81	54	-4.19
5785 MHz									
11570	51.67	PK	277	1.7	H	6.59	58.26	74	-15.74
11570	39.21	AV	277	1.7	H	6.59	45.8	54	-8.20
11570	54.08	PK	135	1.7	V	6.59	60.67	74	-13.33
11570	43.24	AV	135	1.7	V	6.59	49.83	54	-4.17
5825 MHz									
5850	67.62	PK	291	1.9	H	-1.81	65.81	122.2	-56.39
5850	69.97	PK	121	1.8	V	-1.81	68.16	122.2	-54.04
5855	65.06	PK	336	1.7	H	-1.82	63.24	110.8	-47.56
5855	66.32	PK	342	1.8	V	-1.82	64.5	110.8	-46.30
5875	65.39	PK	265	1.5	H	-1.84	63.55	105.2	-41.65
5875	67.04	PK	100	1.8	V	-1.84	65.2	105.2	-40.00
5925	66.46	PK	214	1.6	H	-1.82	64.64	68.2	-3.56
5925	65.89	PK	162	2.1	V	-1.82	64.07	68.2	-4.13
11650	51.79	PK	132	1.8	H	6.77	58.56	74	-15.44
11650	39.51	AV	132	1.8	H	6.77	46.28	54	-7.72
11650	55.62	PK	68	1.8	V	6.77	62.39	74	-11.61
11650	43.58	AV	68	1.8	V	6.77	50.35	54	-3.65

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11ac40									
5755 MHz									
5725	68.04	PK	325	1.5	H	-1.96	66.08	122.2	-56.12
5725	70.32	PK	332	1.9	V	-1.96	68.36	122.2	-53.84
5720	65.95	PK	56	2.1	H	-1.97	63.98	110.8	-46.82
5720	66.04	PK	303	1.7	V	-1.97	64.07	110.8	-46.73
5700	66.11	PK	233	2.1	H	-2.02	64.09	105.2	-41.11
5700	66.74	PK	63	2.1	V	-2.02	64.72	105.2	-40.48
5650	65.09	PK	301	2.0	H	-1.95	63.14	68.2	-5.06
5650	65.31	PK	115	1.9	V	-1.95	63.36	68.2	-4.84
11510	50.24	PK	119	2.0	H	6.59	56.83	74	-17.17
11510	37	AV	119	2.0	H	6.59	43.59	54	-10.41
11510	54.38	PK	357	2.0	V	6.59	60.97	74	-13.03
11510	41.94	AV	357	2.0	V	6.59	48.53	54	-5.47
5795 MHz									
5850	67.39	PK	343	1.8	H	-1.81	65.58	122.2	-56.62
5850	69.66	PK	84	1.9	V	-1.81	67.85	122.2	-54.35
5855	65.84	PK	253	1.6	H	-1.82	64.02	110.8	-46.78
5855	66.7	PK	31	2.0	V	-1.82	64.88	110.8	-45.92
5875	65.32	PK	63	1.5	H	-1.84	63.48	105.2	-41.72
5875	67.42	PK	329	1.7	V	-1.84	65.58	105.2	-39.62
5925	66.14	PK	56	1.9	H	-1.82	64.32	68.2	-3.88
5925	65.84	PK	159	1.7	V	-1.82	64.02	68.2	-4.18
11590	48.23	PK	256	2.0	H	6.57	54.8	74	-19.20
11590	34.28	AV	256	2.0	H	6.57	40.85	54	-13.15
11590	51.95	PK	132	1.7	V	6.57	58.52	74	-15.48
11590	38.81	AV	132	1.7	V	6.57	45.38	54	-8.62

Frequency (MHz)	Receiver		Turn- Table	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407	
	Reading (dBμV)	Detector (PK/QP/AV)	Angle Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11ac80									
5775 MHz									
5725	67.23	PK	281	1.9	H	-1.96	65.27	122.2	-56.93
5725	66.2	PK	307	1.9	V	-1.96	64.24	122.2	-57.96
5720	67	PK	283	1.6	H	-1.97	65.03	110.8	-45.77
5720	67.59	PK	251	2.0	V	-1.97	65.62	110.8	-45.18
5700	63.79	PK	196	2.0	H	-2.02	61.77	105.2	-43.43
5700	66.78	PK	34	2.1	V	-2.02	64.76	105.2	-40.44
5650	62.87	PK	69	1.7	H	-1.95	60.92	68.2	-7.28
5650	64.51	PK	325	2.0	V	-1.95	62.56	68.2	-5.64
5850	65.61	PK	315	1.9	H	-1.81	63.8	122.2	-58.40
5850	67.33	PK	166	2.1	V	-1.81	65.52	122.2	-56.68
5855	66.15	PK	57	1.7	H	-1.82	64.33	110.8	-46.47
5855	67.43	PK	303	1.7	V	-1.82	65.61	110.8	-45.19
5875	66.82	PK	17	1.6	H	-1.84	64.98	105.2	-40.22
5875	66.3	PK	284	1.9	V	-1.84	64.46	105.2	-40.74
5925	63.95	PK	104	1.6	H	-1.82	62.13	68.2	-6.07
5925	63.62	PK	11	1.7	V	-1.82	61.8	68.2	-6.40
11550	49.33	PK	243	1.9	H	6.61	55.94	74	-18.06
11550	37.67	AV	243	1.9	H	6.61	44.28	54	-9.72
11550	52.81	PK	149	1.6	V	6.61	59.42	74	-14.58
11550	42.43	AV	149	1.6	V	6.61	49.04	54	-4.96

Note:

Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

Corrected Amplitude = Corrected Factor + Reading

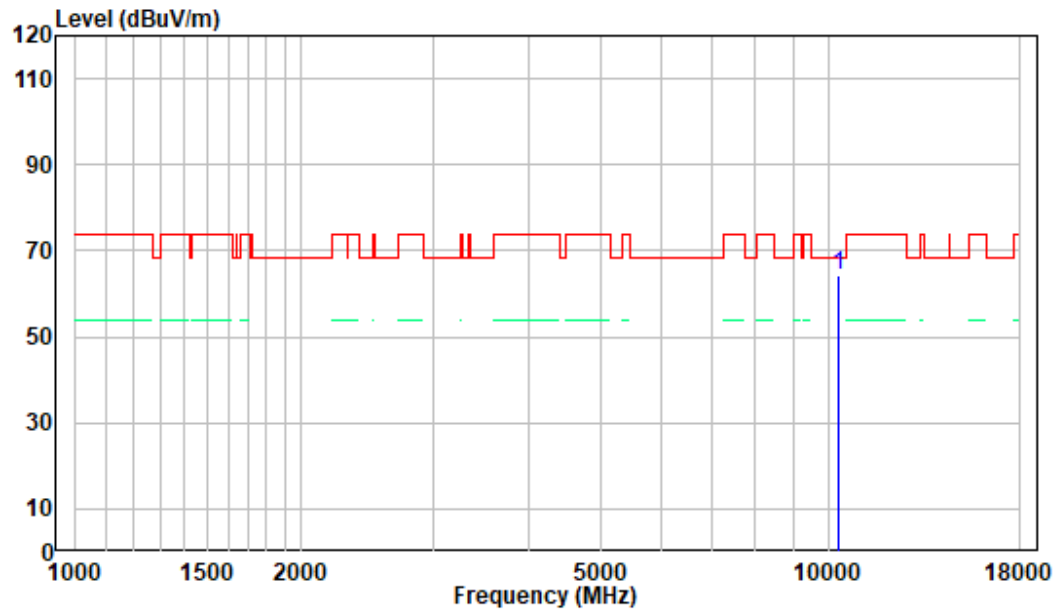
Margin = Corrected. Amplitude - Limit

The other spurious emission which is in the noise floor level was not recorded.

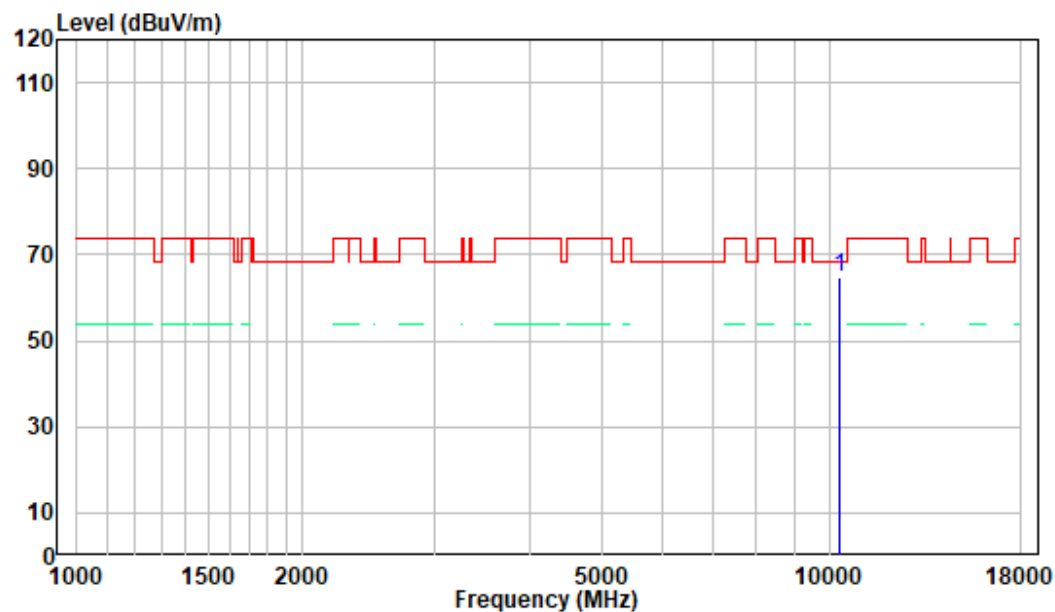
1 GHz - 18 GHz: (Pre-Scan plots)

802.11 a, 5180MHz

Horizontal



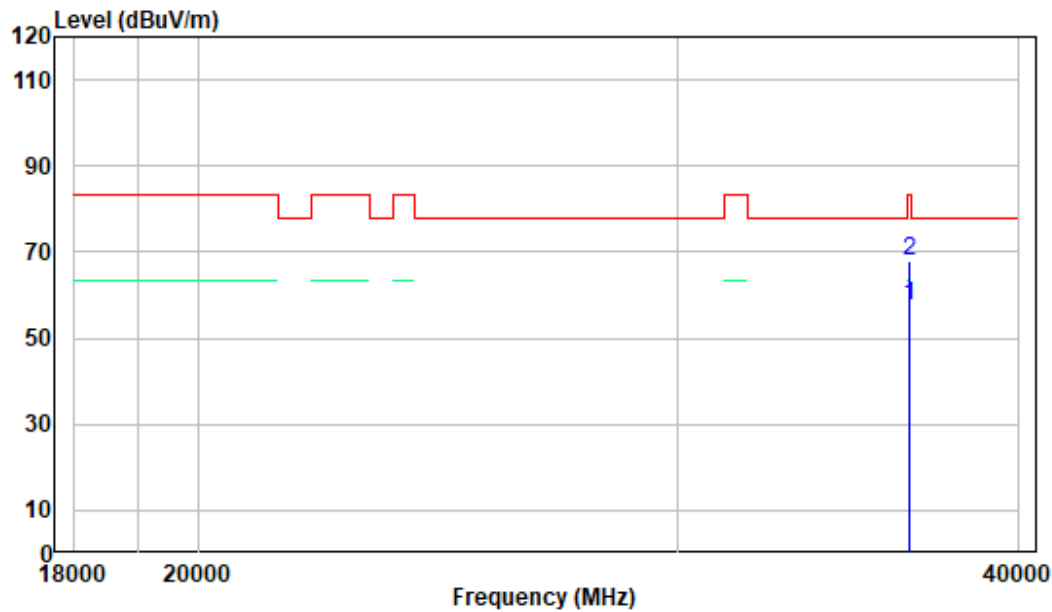
Vertical



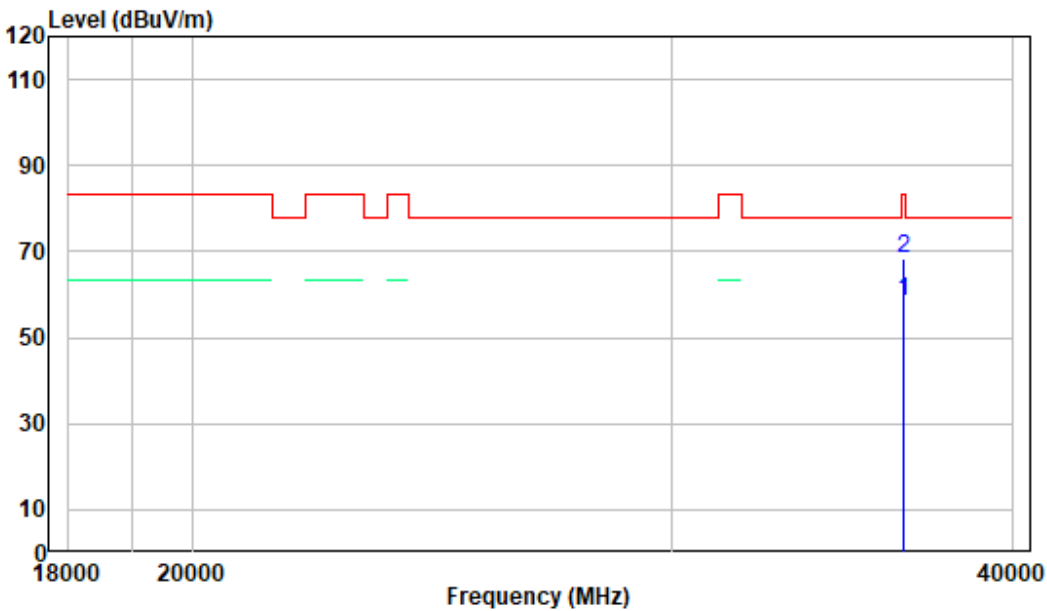
18-40GHz: (Pre-Scan plots)

802.11 a, 5180MHz

Horizontal



Vertical



***** END OF REPORT *****