NVLAP TESTING
LABORATORY CODE 600341-0

BACL Bay Area Compliance Labs Corp.

TEST REPORT

Applicant:	**Fujian Newland Payment Technology Co.,Ltd.**
Address:	**No. B602, Building #1, Haixia Jingmao Plaza, Fuzhou Bonded Area 350015, Fujian, China**
Product Name:	**Multi-mode Smart LTE Module**
FCC ID:	**2AM6U-SC200ENA**
Standard(s):	**47 CFR Part 15, Subpart E(15.407) ANSI C63.10-2013 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01**
Report Number:	**2402U80022E-RF-00D**
Report Date:	**2024/7/26**

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).

Reviewed By: Gavin Xu	**Approved By:** Ivan Cao
Title: RF Engineer	Title: EMC Manager

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2402U80022E-RF-00D	Original Report	2024/7/26

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Multi-mode Smart LTE Module
EUT Model:	SC200E-NA
Operation Frequency:	Band1: 5180-5240 MHz (802.11a/n ht20/ac vht20) 5190-5230 MHz(802.11n ht40/ac vht40) 5210 MHz(802.11ac vht80) Band2: 5260-5320 MHz (802.11a/n ht20/ac vht20) 5270-5310 MHz(802.11n ht40/ac vht40) 5290 MHz(802.11ac vht80) Band3: 5500-5720 MHz (802.11a/n ht20/ac vht20) 5510-5710 MHz(802.11n ht40/ac vht40) 5530-5690MHz(802.11ac vht80) Band4: 5745-5825 MHz (802.11a/n ht20/ac vht20) 5755-5795 MHz(802.11n ht40/ac vht40) 5775 MHz(802.11ac vht80)
Maximum Average Output Power (Conducted):	15.39dBm in 5150-5250 MHz Band 15.61 dBm in 5250-5350 MHz Band 15.98 dBm in 5470-5725 MHz Band 16.29 dBm in 5725-5850 MHz Band
Modulation Type:	802.11a/n/ac:OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
Rated Input Voltage:	DC 3.8V
Serial Number:	2MO7-2 (Radiated Spurious Emission and AC Line Conducted Emission Test) 2MO7-1(RF Conducted Test)
EUT Received Date:	2024/6/15
EUT Received Status:	Good

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

1.3 Antenna Information Detail▲

Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
sunnyway	PIFA	50	5.15~5.25GHz	0.03 dBi
			5.25~5.35GHz	1.51 dBi
			5.47~5.725GHz	1.41 dBi
			5.725~5.85GHz	-0.93 dBi
The design of compliance with §15.203:				
☒ Unit uses a permanently attached antenna.				
☐ Unit uses a unique coupling to the intentional radiator.				
☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.				

1.4 Equipment Modifications

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

2. SUMMARY OF TEST RESULTS

Standard(s) Section	Test Items	Result	Note
§15.207(a)	AC line conducted emissions	Compliant	/
FCC§15.205& §15.209 &§15.407(b)	Radiated Spurious Emissions	Compliant	/
FCC§15.407(a) (e)	Emission Bandwidth	/	*
FCC§15.407(a)	Maximum Conducted Output Power	Reporting	/
FCC§15.407 (a)	Power Spectral Density	/	*
§15.407(h)(2)	Dynamic Frequency Selection(DFS)	/	**
§15.203	Antenna Requirement	Compliant	/

Note 1:
This is Class II permissive change application based on the Change ID device, model: SC200E-NA, FCC ID: 2AM6U-SC200ENA. The Change ID device based on the original device, model: SC200E-NA, FCC ID:XMR2022SC200ENA, which was tested by SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. The change between the original equipment and the current equipment is stated and guaranteed by the applicant, as following:

1. Change the antenna.
2. Change on NPT-04's components.

Per Spot check with RF output power, the RF parameters are identical with the original device. Therefore, AC line conducted emissions and Radiated Spurious Emissions was tested based on the change.

*:Please refer to Report No: SEWA2205000012RG05.
**:Please refer to Report No: KSCR220500066001.

The Bay Area Compliance Laboratories Corp. (Dongguan) is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report.

Note 2: For AC line conducted emissions, the maximum output power channel was tested.
Note 3: For Radiated Spurious Emissions 9kHz~ 1GHz, the maximum output power channel was tested.

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency Detail

For 802.11a/n ht20/ac vht20:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
36	**5180**	52	**5260**	100	**5500**	149	**5745**
40	**5200**	56	**5280**	104	5520	153	5765
44	5220	60	5300	108	5540	157	**5785**
48	**5240**	64	**5320**	112	5560	161	5805
/	/	/	/	116	**5580**	165	**5825**
/	/	/	/	120	5600	/	/
/	/	/	/	124	5620	/	/
/	/	/	/	128	5640	/	/
/	/	/	/	132	5660	/	/
/	/	/	/	136	5680	/	/
/	/	/	/	140	**5700**	/	/

For 802.11n ht40/ac vht40:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
38	**5190**	54	**5270**	102	**5510**	151	**5755**
46	**5230**	62	**5310**	110	**5550**	159	**5795**
		/	/	118	5590		
		/	/	126	5630		
/	/	/	/	134	**5670**	/	/

For 802.11ac vht80:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
42	**5210**	58	**5290**	106	**5530**	155	**5775**
/	/	/	/	122	**5610**	/	/

3.2 EUT Operation Condition

The system was configured for testing in Engineering Mode, which was provided by the manufacturer. The EUT configuration is below:

EUT Exercise Software:	cmd		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:			
5150-5250 MHz Band:			
Test Modes	Data Rate	Power Level Setting		
		Low Channel	Middle Channel	High Channel
802.11a	6Mbps	20	20	20
802.11n ht20	6Mbps	19	19	19
802.11n ht40	MCS0	18	/	19
802.11ac vht20	MCS0	20	19	19
802.11ac vht40	MCS0	18	/	19
802.11ac vht80	MCS0	/	18	/
5250-5350 MHz Band:				
Test Modes	Data Rate	Power Level Setting		
		Low Channel	Middle Channel	High Channel
802.11a	6Mbps	20	20	20
802.11n ht20	6Mbps	19	19	19
802.11n ht40	MCS0	19	/	19
802.11ac vht20	MCS0	19	19	19
802.11ac vht40	MCS0	19	/	19
802.11ac vht80	MCS0	/	19	/
5470-5725 MHz Band:				
Test Modes	Data Rate	Power Level Setting		
		Low Channel	Middle Channel	High Channel
802.11a	6Mbps	20	20	20
802.11n ht20	6Mbps	19	19	19
802.11n ht40	MCS0	19	19	19
802.11ac vht20	MCS0	19	19	20
802.11ac vht40	MCS0	19	19	19
802.11ac vht80	MCS0	19	19	19
5725-5850 MHz Band:				
Test Modes	Data Rate	Power Level Setting		
		Low Channel	Middle Channel	High Channel
802.11a	6Mbps	20	20	20
802.11n ht20	6Mbps	19	19	19
802.11n ht40	MCS0	19	/	19
802.11ac vht20	MCS0	20	19	19
802.11ac vht40	MCS0	20	/	19
802.11ac vht80	MCS0	/	19	/
The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.				

3.3 Support Equipment List and Details

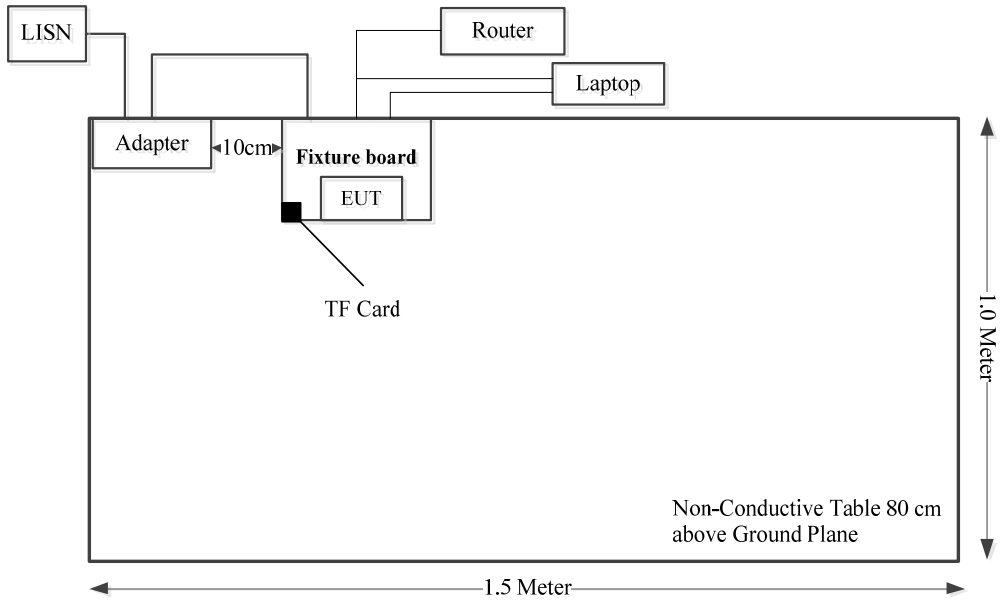
Manufacturer	Description	Model	Serial Number
SanDisk	TF Card	UHS-I-16G	9292DVDSV0XZ
ZIONCOM	Router	MB-R210-00	EMZBWR21103004
Lenovo	Laptop	T430	00331-10000-00001-AA887_02
SHENZHEN HONOR ELECTRONIC CO.,LTD	Adapter	ADS-25SGP-12 09023E	Unknown
Fujian Newland Payment Technology Co.,Ltd.	Fixture board	Unknown	Unknown

3.4 Support Cable List and Details

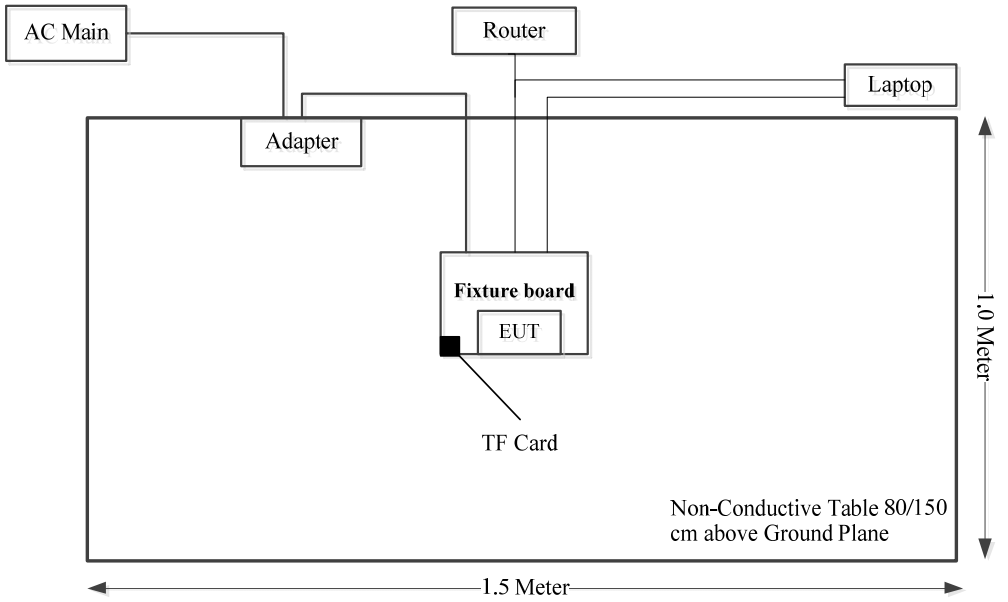
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
DC Cable	no	no	2.8	Adapter	EUT
RJ45 Cable	yes	no	2.3	EUT	Router
RS232 Cable	no	no	2.8	EUT	Laptop
USB Cable	no	no	2.3	EUT	Laptop
RJ45 Cable	yes	no	1.2	Router	Laptop

3.5 Block Diagram of Test Setup

AC Power Lines Conducted Emission:



Radiated Spurious Emissions:



3.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

3.7 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB, 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB, 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz:5.47 dB, 26.5GHz~40GHz:5.63 dB
Unwanted Emissions, conducted	±2.47 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	3.11 dB (150 kHz to 30 MHz)

4. REQUIREMENTS AND TEST PROCEDURES

4.1 AC Line Conducted Emissions

4.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator 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, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

	Conducted limit (dBμV)	
Frequency of emission (MHz)	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.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

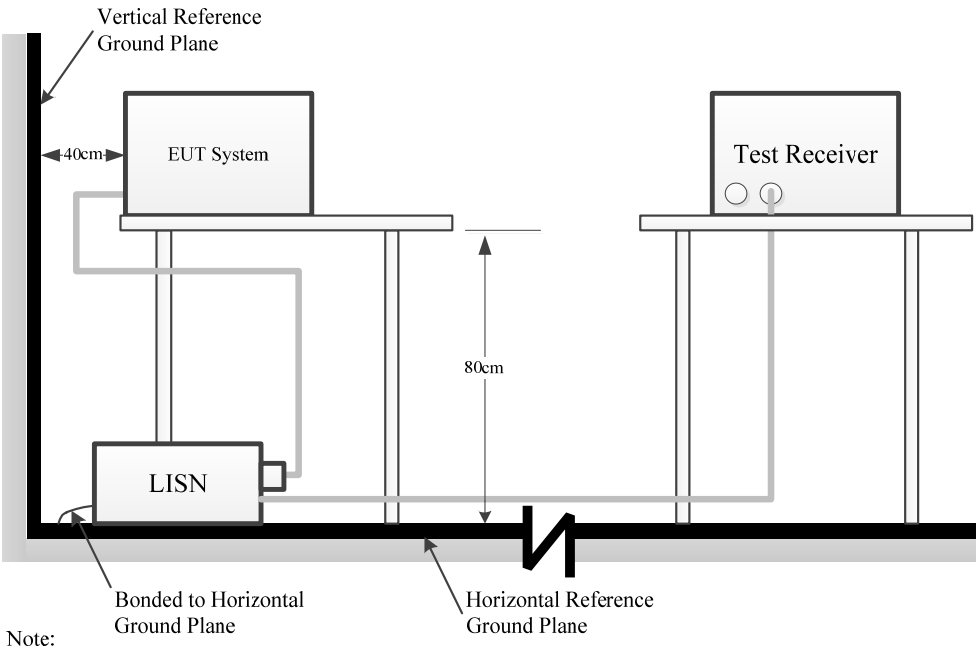
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtainig their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

4.1.2 EUT Setup



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

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

4.1.3 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

4.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

4.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor
Factor = attenuation caused by cable loss + voltage division factor of AMN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

4.1.6 Test Result

Please refer to section 5.1.

4.2 Radiation Spurious Emissions

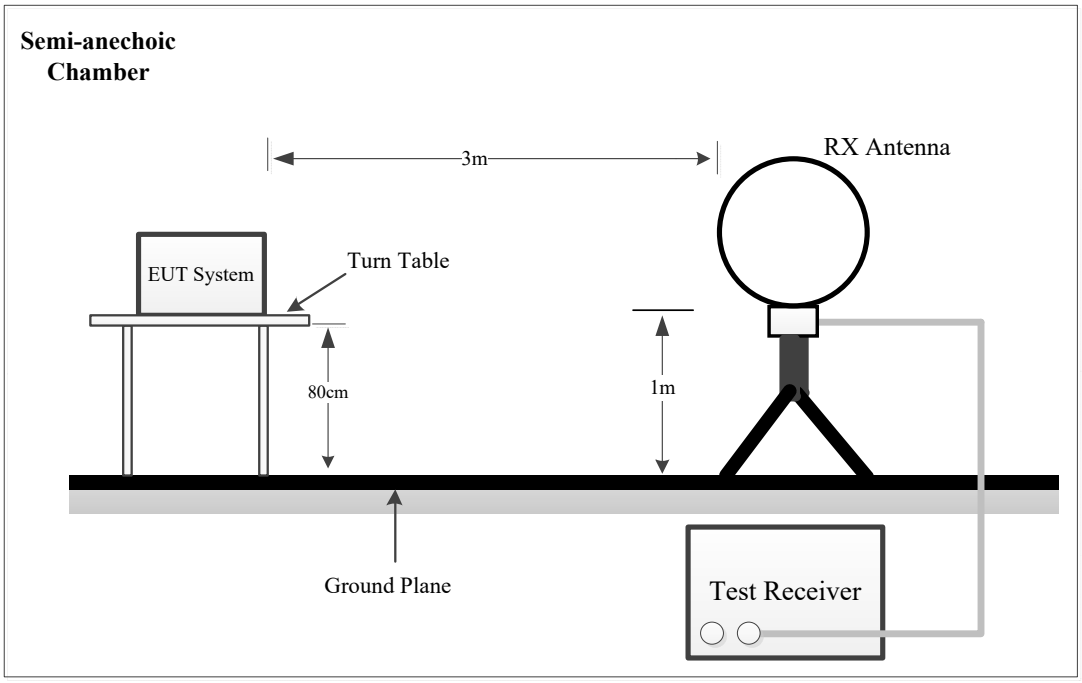
4.2.1 Applicable Standard

FCC §15.407 (b);

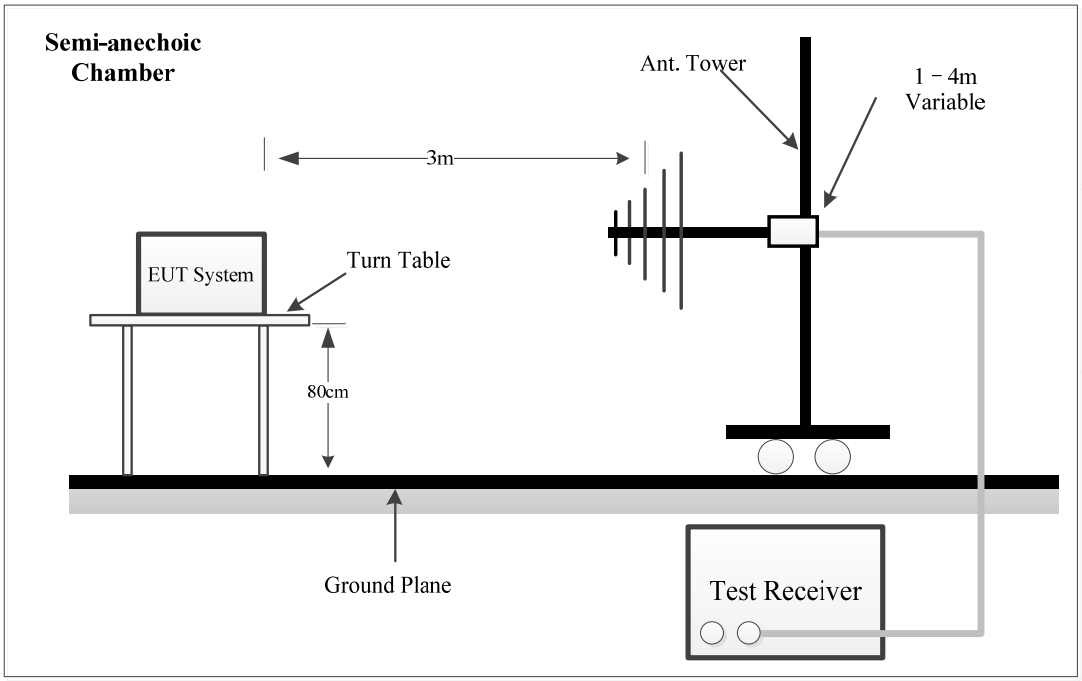
Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:
(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 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 solely in the 5.725-5.850 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.
(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
(8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
(9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.
(11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

4.2.2 EUT Setup

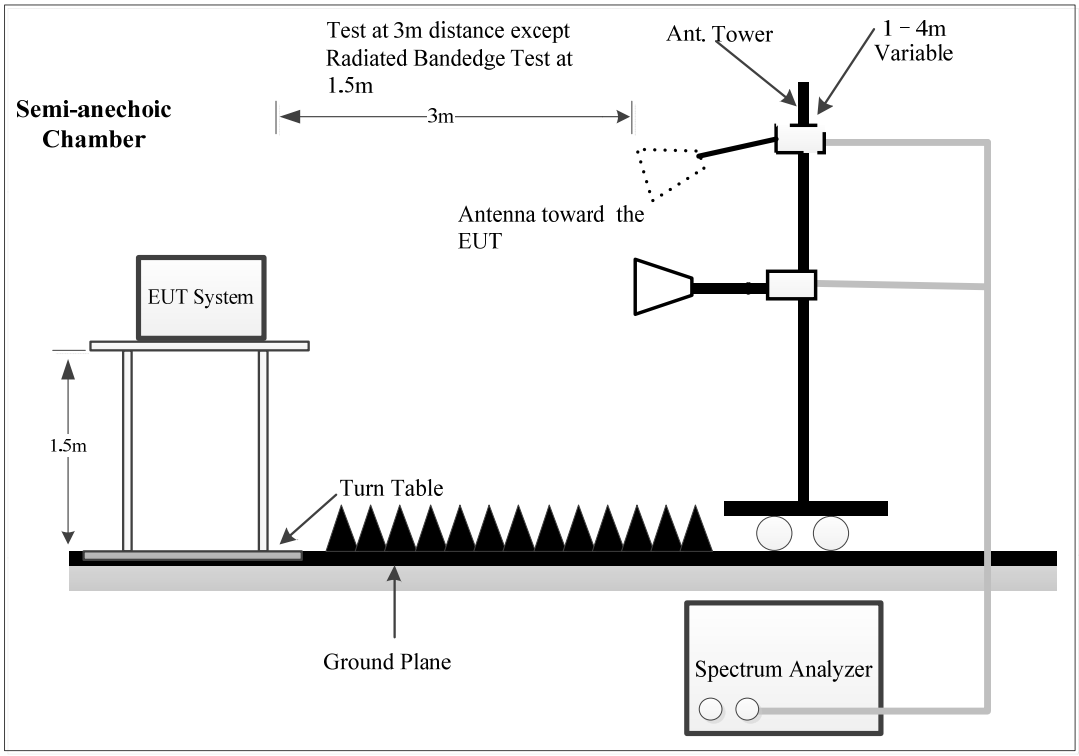
9kHz~30MHz:



30MHz~1GHz:



Above 1GHz:



The radiated emission tests were performed in the semi-anechoic chamber, using the setup accordance with the ANSI C63.10-2013. The specification used was FCC 15.209, 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.

The spacing between the peripherals was 10 cm.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

4.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9kHz-1000MHz:

Frequency Range	Measurement	RBW	Video B/W	IF B/W
9 kHz – 150 kHz	QP/AV	200 Hz	1 kHz	200 Hz
150 kHz – 30 MHz	QP/AV	9 kHz	30 kHz	9 kHz
30 MHz – 1000 MHz	PK	100 kHz	300 kHz	/
	QP	/	/	120 kHz

1GHz- 40GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
Ave.	>98%	1MHz	10 Hz
	<98%	1MHz	⩾1/T

Note: T is minimum transmission duration

If the maximized peak measured value is under the QP limit by more than 6dB, then it is unnecessary to perform an QP measurement.

If the maximized peak measured value is under the average limit, then it is unnecessary to perform an QP measurement.

4.2.4 Test Procedure

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz -1 GHz, except 9-90 kHz, 110-490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: E [dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

For Radiated Bandedge test, which was performed at 1.5 m distance, according to C63.10, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m
Distance extrapolation Factor =20 log (specific distance [3m]/test distance [1.5m]) dB= 6.0dB

4.2.5 Corrected Result & Margin Calculation

The basic equation except radiated bandedge test is as follows:

Factor = Antenna Factor + Cable Loss- Amplifier Gain

Result = Reading + Factor

For Radiated Bandedge test:

Factor = Antenna Factor + Cable Loss-Distance extrapolation Factor

Result = Reading + Factor

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

4.2.6 Test Result

Please refer to section 5.2.

4.3 Maximum Conducted Output Power

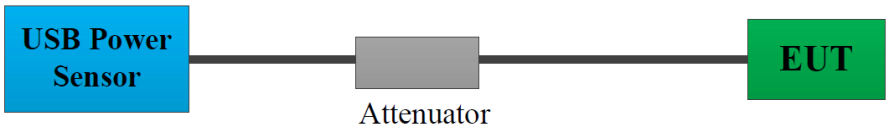
4.3.1 Applicable Standard

FCC §15.407(a) (1)(iv)
For client devices in the 5.15 - 5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (2)
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

4.3.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer. The cable loss of this RF cable was offset into the setting of test equipment, which was provided by manufacturer▲.

4.3.3 Test Procedure

According to ANSI C63.10-2013 Section 12.3.3.1

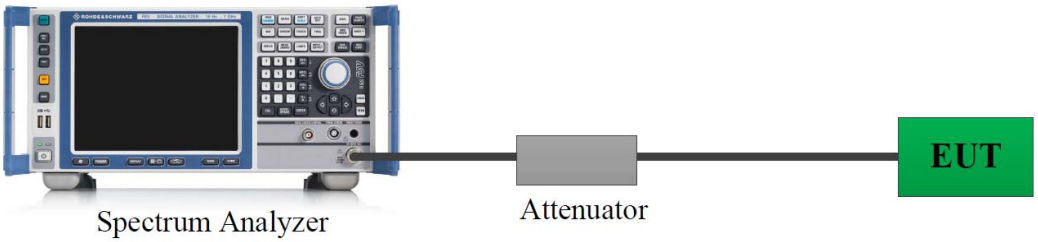
Method PM-G is measurement using a gated RF average power meter.
Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

4.3.4 Test Result

Please refer to section 5.3.

4.4 Duty Cycle

4.4.1 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer.

4.4.2 Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
1) Set the center frequency of the instrument to the center frequency of the transmission.
2) Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.
3) Set VBW ≥ RBW. Set detector = peak or average.
4) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T ≤ 16.7 μs.)

4.4.3 Judgment

Report Only. Please refer to section 5.4.

4.5 Antenna Requirement

4.5.1 Applicable Standard

FCC §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 use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

4.5.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.3.

5. Test DATA AND RESULTS

5.1 AC Line Conducted Emissions

Serial Number:	2MO7-2	Test Date:	2024/7/2
Test Site:	CE	Test Mode:	Transmitting
Tester:	Lane Sun	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	25.3	Relative Humidity: (%)	61	ATM Pressure: (kPa)	100.6

Test Equipment List and Details:

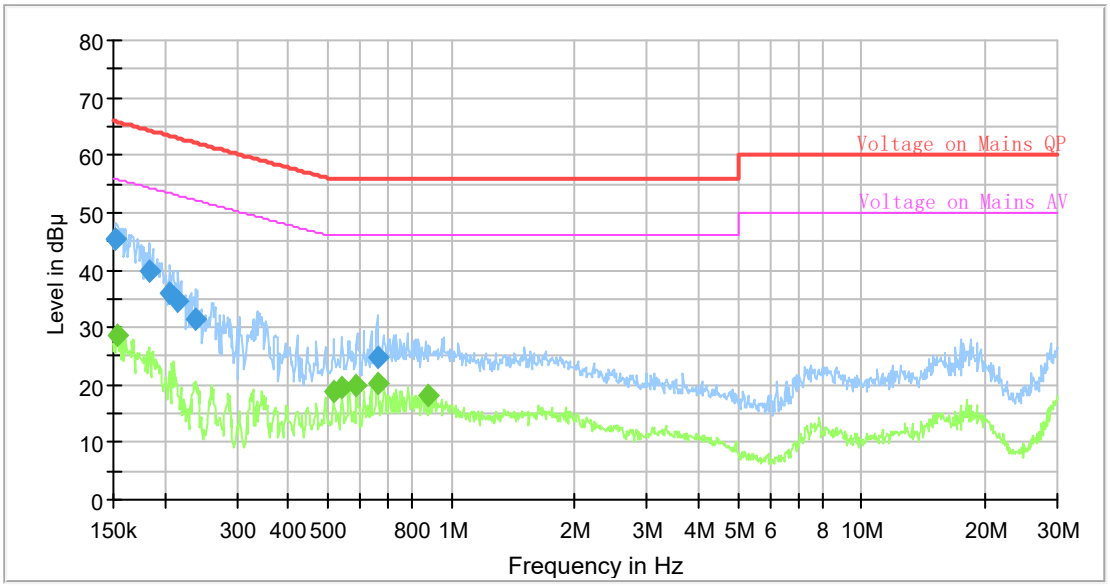
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2023/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2023/9/5	2024/9/4
R&S	EMI Test Receiver	ESCI	100035	2023/8/18	2024/8/17
R&S	Test Software	EMC32	V9.10.00	N/A	N/A

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Note: the maximum output power channel was tested.

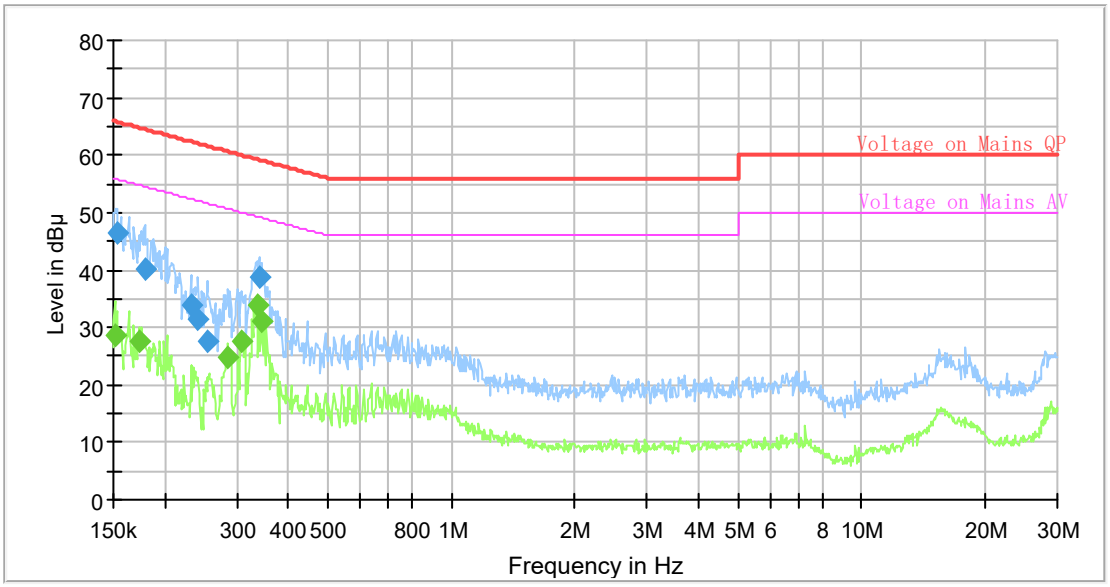
Project No:	2402U80022E-RF
Test Engineer:	Lane Sun
Test Date:	2024-7-2
Port:	L
Test Mode:	Transmitting
Power Source:	AC 120V/60Hz
Note:	802.11ac vht40 5755MHz



Final_Result

Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Limit (dB µ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.152261	45.35	---	65.88	20.53	9.000	L1	10.8
0.153023	---	28.51	55.83	27.32	9.000	L1	10.8
0.184035	39.66	---	64.30	24.64	9.000	L1	10.8
0.206405	36.15	---	63.35	27.20	9.000	L1	10.8
0.215881	34.51	---	62.98	28.47	9.000	L1	10.8
0.238526	31.39	---	62.15	30.76	9.000	L1	10.8
0.516743	---	18.92	46.00	27.08	9.000	L1	10.8
0.540467	---	19.49	46.00	26.51	9.000	L1	10.8
0.588291	---	19.91	46.00	26.09	9.000	L1	10.8
0.659799	---	20.27	46.00	25.73	9.000	L1	10.8
0.659799	24.69	---	56.00	31.31	9.000	L1	10.8
0.881136	---	18.15	46.00	27.85	9.000	L1	10.9

Project No:	2402U80022E-RF
Test Engineer:	Lane Sun
Test Date:	2024-7-2
Port:	N
Test Mode:	Transmitting
Power Source:	AC 120V/60Hz
Note:	802.11ac vht40 5755MHz



Final_Result

Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Limit (dB µ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.151504	---	28.79	55.92	27.13	9.000	N	10.9
0.153023	46.29	---	65.83	19.54	9.000	N	10.9
0.173343	---	27.72	54.80	27.08	9.000	N	10.9
0.178609	40.24	---	64.55	24.31	9.000	N	10.9
0.232651	33.76	---	62.35	28.59	9.000	N	10.8
0.240917	31.41	---	62.06	30.65	9.000	N	10.8
0.254504	27.62	---	61.61	33.99	9.000	N	10.8
0.285439	---	24.89	50.66	25.77	9.000	N	10.8
0.307613	---	27.52	50.03	22.51	9.000	N	10.8
0.336506	---	33.84	49.29	15.45	9.000	N	10.8
0.339880	38.75	---	59.21	20.46	9.000	N	10.8
0.345004	---	30.98	49.08	18.10	9.000	N	10.8

5.2 Radiation Spurious Emissions

Serial Number:	2MO7-2	Test Date:	2024/6/24
Test Site:	Chamber A	Test Mode:	Transmitting
Tester:	Jayce Wang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	29.1	Relative Humidity: (%)	39	ATM Pressure: (kPa)	100.7

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Hybrid Antenna	JB3	A060611-3	2024/1/12	2027/1/11
Wilson	Coaxial Attenuator	859936	F-08-EM014	2024/1/12	2027/1/11
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2023/7/1	2024/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2023/7/1	2024/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2023/7/1	2024/6/30
Sonoma	Amplifier	310N	372193	2023/7/1	2024/6/30
R&S	EMI Test Receiver	ESR3	102453	2023/8/18	2024/8/17
Audix	Test Software	E3	191218 (V9)	N/A	N/A
EMCO	Passive Loop Antenna	6512	9706-1206	2023/10/21	2026/10/20

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Please refer to the below table and plots.

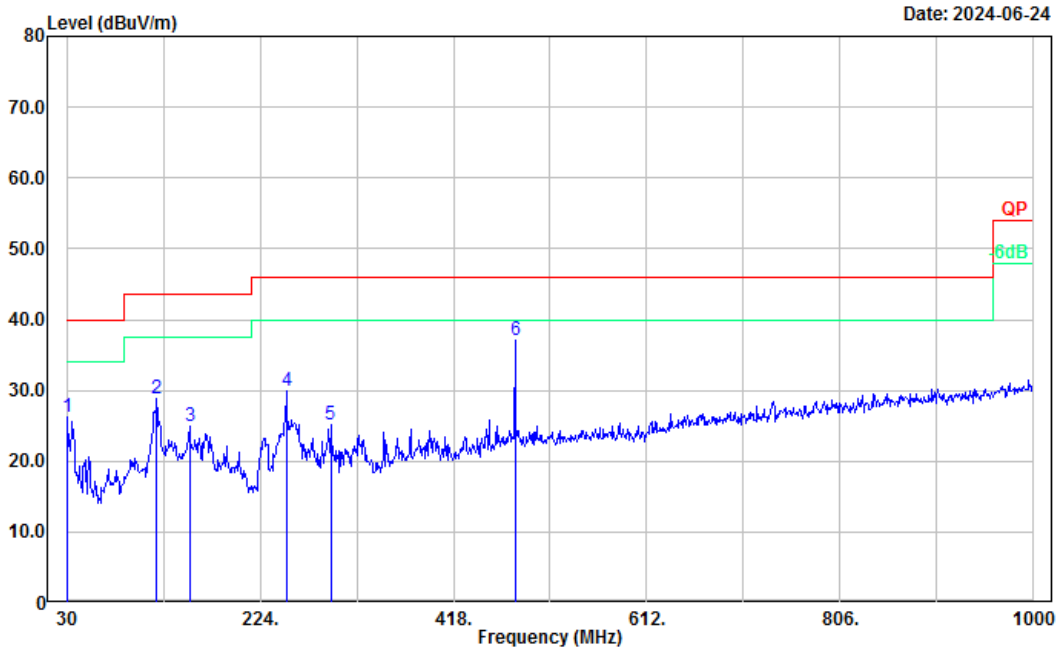
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

1) 9kHz~30MHz

802.11ac vht40 5755MHz was tested, the amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

2) 30MHz-1GHz

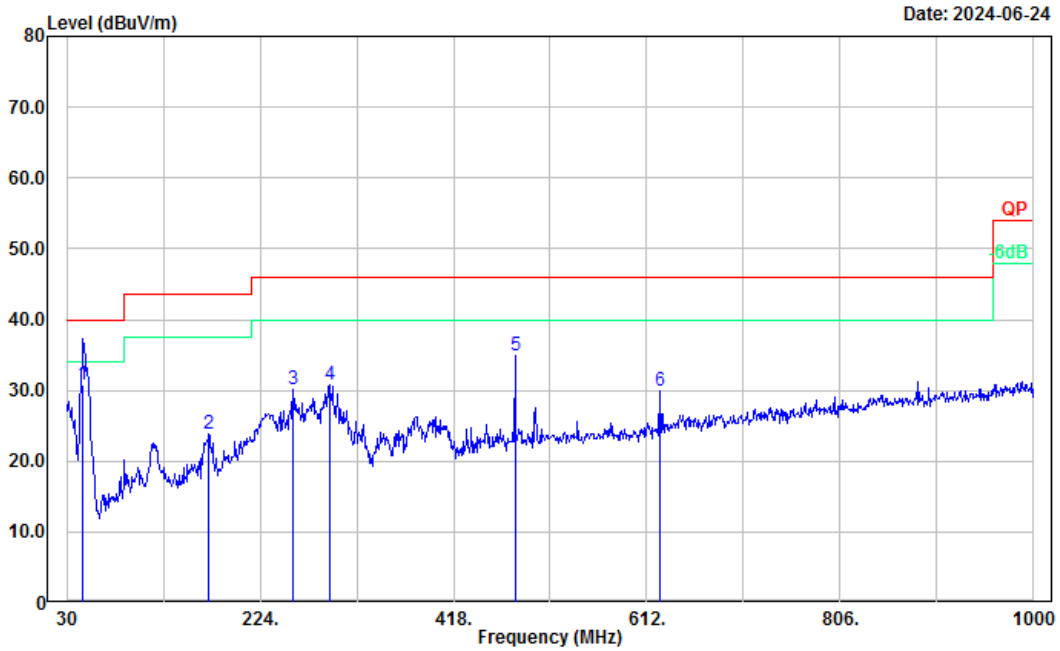
Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Horizontal Tester: Jayce Wang
Test Mode: Transmitting
Note: 802.11ac vht40 5755MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.00	29.29	-2.99	26.30	40.00	13.70	Peak
2	120.21	38.98	-10.12	28.86	43.50	14.64	Peak
3	153.19	35.84	-10.87	24.97	43.50	18.53	Peak
4	250.19	40.86	-10.96	29.90	46.00	16.10	Peak
5	294.81	34.07	-9.01	25.06	46.00	20.94	Peak
6	480.08	41.24	-4.06	37.18	46.00	8.82	Peak

Project No.: 2402U80022E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac vht40 5755MHz

Serial No.: 2MO7-2
Tester: Jayce Wang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	46.49	44.81	-14.04	30.77	40.00	9.23	QP
2	172.59	35.63	-11.81	23.82	43.50	19.68	Peak
3	256.98	40.92	-10.69	30.23	46.00	15.77	Peak
4	293.84	39.83	-9.03	30.80	46.00	15.20	Peak
5	480.08	38.99	-4.06	34.93	46.00	11.07	Peak
6	624.61	31.88	-1.98	29.90	46.00	16.10	Peak

3) 1-40GHz:

Serial Number:	2MO7-2	Test Date:	2024/7/4
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Nat Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	27.2	Relative Humidity: %	49	ATM Pressure: (kPa)	100.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	000 527 35	2023/9/7	2026/9/6
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2023/2/22	2026/2/21
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2023/2/22	2026/2/21
Xinhang Macrowave	Coaxial Cable	XH750A-N/J-SMA/J-10M	20231117004 #0001	2023/11/17	2024/11/16
Xinhang Macrowave	Coaxial Cable	XH360A-2.92/J-2.92/J-6M-A	20231208001 #0001	2023/12/11	2024/12/10
AH	Preamplifier	PAM-0118P	469	2023/8/19	2024/8/18
AH	Preamplifier	PAM-1840VH	191	2023/9/7	2024/9/6
R&S	FSV40	FSV40	101944	2023/10/18	2024/10/17
Audix	Test Software	E3	191218 (V9)	N/A	N/A
Sinoscite	Band Rejection Filter	BSF5150-5850MN	0899003	2024/2/21	2025/2/20
Mini-Circuits	High Pass Filter	VHF-6010+	31118	2023/12/1	2024/11/30

** Statement of Traceability: Bay Area Compliance Laboratories Corp.(Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Please refer to the below table and plots.
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

802.11a_U-NII-1

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5180**	**MHz**			
5150.00	33.44	PK	H	34.76	68.20	62.20	74.00	11.80
5150.00	22.31	AV	H	34.76	57.07	51.07	54.00	2.93
5150.00	33.81	PK	V	34.76	68.57	62.57	74.00	11.43
5150.00	22.67	AV	V	34.76	57.43	51.43	54.00	2.57
10360.00	47.39	PK	H	0.33	47.72	47.72	68.20	20.48
10360.00	47.73	PK	V	0.33	48.06	48.06	68.20	20.14
15540.00	46.90	PK	H	0.6	47.50	47.50	74.00	26.50
15540.00	37.12	AV	H	0.6	37.72	37.72	54.00	16.28
15540.00	47.69	PK	V	0.6	48.29	48.29	74.00	25.71
15540.00	37.80	AV	V	0.6	38.40	38.40	54.00	15.60
middle channel				**5200**	**MHz**			
10400.00	47.46	PK	H	0.4	47.86	47.86	68.20	20.34
10400.00	47.78	PK	V	0.4	48.18	48.18	68.20	20.02
15600.00	47.23	PK	H	0.58	47.81	47.81	74.00	26.19
15600.00	37.10	AV	H	0.58	37.68	37.68	54.00	16.32
15600.00	47.79	PK	V	0.58	48.37	48.37	74.00	25.63
15600.00	37.68	AV	V	0.58	38.26	38.26	54.00	15.74
high channel				**5240**	**MHz**			
5350.00	31.86	PK	H	35.15	67.01	61.01	74.00	12.99
5350.00	20.97	AV	H	35.15	56.12	50.12	54.00	3.88
5350.00	32.80	PK	V	35.15	67.95	61.95	74.00	12.05
5350.00	21.06	AV	V	35.15	56.21	50.21	54.00	3.79
10480.00	47.58	PK	H	0.56	48.14	48.14	68.20	20.06
10480.00	47.43	PK	V	0.56	47.99	47.99	68.20	20.21
15720.00	47.01	PK	H	0.55	47.56	47.56	74.00	26.44
15720.00	37.03	AV	H	0.55	37.58	37.58	54.00	16.42
15720.00	46.60	PK	V	0.55	47.15	47.15	74.00	26.85
15720.00	36.44	AV	V	0.55	36.99	36.99	54.00	17.01

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5180**	**MHz**			
5150.00	33.11	PK	H	34.76	67.87	61.87	74.00	12.13
5150.00	22.75	AV	H	34.76	57.51	51.51	54.00	2.49
5150.00	33.57	PK	V	34.76	68.33	62.33	74.00	11.67
5150.00	21.85	AV	V	34.76	56.61	50.61	54.00	3.39
10360.00	48.92	PK	H	0.33	49.25	49.25	68.20	18.95
10360.00	48.32	PK	V	0.33	48.65	48.65	68.20	19.55
15540.00	47.61	PK	H	0.6	48.21	48.21	74.00	25.79
15540.00	37.69	AV	H	0.6	38.29	38.29	54.00	15.71
15540.00	46.76	PK	V	0.6	47.36	47.36	74.00	26.64
15540.00	36.64	AV	V	0.6	37.24	37.24	54.00	16.76
middle channel				**5200**	**MHz**			
10400.00	48.43	PK	H	0.4	48.83	48.83	68.20	19.37
10400.00	48.84	PK	V	0.4	49.24	49.24	68.20	18.96
15600.00	47.36	PK	H	0.58	47.94	47.94	74.00	26.06
15600.00	37.42	AV	H	0.58	38.00	38.00	54.00	16.00
15600.00	46.81	PK	V	0.58	47.39	47.39	74.00	26.61
15600.00	36.75	AV	V	0.58	37.33	37.33	54.00	16.67
high channel				**5240**	**MHz**			
5350.00	32.15	PK	H	35.15	67.30	61.30	74.00	12.70
5350.00	20.91	AV	H	35.15	56.06	50.06	54.00	3.94
5350.00	31.32	PK	V	35.15	66.47	60.47	74.00	13.53
5350.00	21.11	AV	V	35.15	56.26	50.26	54.00	3.74
10480.00	47.88	PK	H	0.56	48.44	48.44	68.20	19.76
10480.00	48.95	PK	V	0.56	49.51	49.51	68.20	18.69
15720.00	46.49	PK	H	0.55	47.04	47.04	74.00	26.96
15720.00	36.52	AV	H	0.55	37.07	37.07	54.00	16.93
15720.00	47.53	PK	V	0.55	48.08	48.08	74.00	25.92
15720.00	37.44	AV	V	0.55	37.99	37.99	54.00	16.01

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5190**	**MHz**			
5150.00	32.43	PK	H	34.76	67.19	61.19	74.00	12.81
5150.00	22.01	AV	H	34.76	56.77	50.77	54.00	3.23
5150.00	32.97	PK	V	34.76	67.73	61.73	74.00	12.27
5150.00	21.70	AV	V	34.76	56.46	50.46	54.00	3.54
10380.00	48.67	PK	H	0.37	49.04	49.04	68.20	19.16
10380.00	48.33	PK	V	0.37	48.70	48.70	68.20	19.50
15570.00	46.87	PK	H	0.59	47.46	47.46	74.00	26.54
15570.00	36.74	AV	H	0.59	37.33	37.33	54.00	16.67
15570.00	47.37	PK	V	0.59	47.96	47.96	74.00	26.04
15570.00	37.32	AV	V	0.59	37.91	37.91	54.00	16.09
high channel				**5230**	**MHz**			
5350.00	31.63	PK	H	35.15	66.78	60.78	74.00	13.22
5350.00	20.62	AV	H	35.15	55.77	49.77	54.00	4.23
5350.00	31.36	PK	V	35.15	66.51	60.51	74.00	13.49
5350.00	21.24	AV	V	35.15	56.39	50.39	54.00	3.61
10460.00	48.85	PK	H	0.51	49.36	49.36	68.20	18.84
10460.00	48.70	PK	V	0.51	49.21	49.21	68.20	18.99
15690.00	47.96	PK	H	0.56	48.52	48.52	74.00	25.48
15690.00	37.87	AV	H	0.56	38.43	38.43	54.00	15.57
15690.00	47.79	PK	V	0.56	48.35	48.35	74.00	25.65
15690.00	37.57	AV	V	0.56	38.13	38.13	54.00	15.87

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5180**	**MHz**			
5150.00	34.63	PK	H	34.76	69.39	63.39	74.00	10.61
5150.00	22.42	AV	H	34.76	57.18	51.18	54.00	2.82
5150.00	34.68	PK	V	34.76	69.44	63.44	74.00	10.56
5150.00	22.82	AV	V	34.76	57.58	51.58	54.00	2.42
10360.00	47.80	PK	H	0.33	48.13	48.13	68.20	20.07
10360.00	48.71	PK	V	0.33	49.04	49.04	68.20	19.16
15540.00	46.65	PK	H	0.6	47.25	47.25	74.00	26.75
15540.00	36.73	AV	H	0.6	37.33	37.33	54.00	16.67
15540.00	47.12	PK	V	0.6	47.72	47.72	74.00	26.28
15540.00	37.09	AV	V	0.6	37.69	37.69	54.00	16.31
middle channel				**5200**	**MHz**			
10400.00	47.77	PK	H	0.4	48.17	48.17	68.20	20.03
10400.00	48.64	PK	V	0.4	49.04	49.04	68.20	19.16
15600.00	46.69	PK	H	0.58	47.27	47.27	74.00	26.73
15600.00	36.73	AV	H	0.58	37.31	37.31	54.00	16.69
15600.00	47.42	PK	V	0.58	48.00	48.00	74.00	26.00
15600.00	37.58	AV	V	0.58	38.16	38.16	54.00	15.84
high channel				**5240**	**MHz**			
5350.00	31.50	PK	H	35.15	66.65	60.65	74.00	13.35
5350.00	21.32	AV	H	35.15	56.47	50.47	54.00	3.53
5350.00	31.62	PK	V	35.15	66.77	60.77	74.00	13.23
5350.00	21.23	AV	V	35.15	56.38	50.38	54.00	3.62
10480.00	48.76	PK	H	0.56	49.32	49.32	68.20	18.88
10480.00	49.09	PK	V	0.56	49.65	49.65	68.20	18.55
15720.00	46.51	PK	H	0.55	47.06	47.06	74.00	26.94
15720.00	36.69	AV	H	0.55	37.24	37.24	54.00	16.76
15720.00	46.81	PK	V	0.55	47.36	47.36	74.00	26.64
15720.00	36.73	AV	V	0.55	37.28	37.28	54.00	16.72

802.11ac40_U-NII-1

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel 5190 MHz								
5150.00	32.66	PK	H	34.76	67.42	61.42	74.00	12.58
5150.00	22.55	AV	H	34.76	57.31	51.31	54.00	2.69
5150.00	33.29	PK	V	34.76	68.05	62.05	74.00	11.95
5150.00	23.02	AV	V	34.76	57.78	51.78	54.00	2.22
10380.00	48.03	PK	H	0.37	48.40	48.40	68.20	19.80
10380.00	49.40	PK	V	0.37	49.77	49.77	68.20	18.43
15570.00	46.66	PK	H	0.59	47.25	47.25	74.00	26.75
15570.00	36.73	AV	H	0.59	37.32	37.32	54.00	16.68
15570.00	47.58	PK	V	0.59	48.17	48.17	74.00	25.83
15570.00	37.46	AV	V	0.59	38.05	38.05	54.00	15.95
high channel 5230 MHz								
5350.00	25.19	PK	H	35.15	60.34	54.34	74.00	19.66
5350.00	15.35	AV	H	35.15	50.50	44.50	54.00	9.50
5350.00	26.63	PK	V	35.15	61.78	55.78	74.00	18.22
5350.00	15.89	AV	V	35.15	51.04	45.04	54.00	8.96
10460.00	48.93	PK	H	0.51	49.44	49.44	68.20	18.76
10460.00	48.82	PK	V	0.51	49.33	49.33	68.20	18.87
15690.00	47.54	PK	H	0.56	48.10	48.10	74.00	25.90
15690.00	37.38	AV	H	0.56	37.94	37.94	54.00	16.06
15690.00	47.79	PK	V	0.56	48.35	48.35	74.00	25.65
15690.00	37.77	AV	V	0.56	38.33	38.33	54.00	15.67

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
middle channel 5210 MHz								
5150.00	35.70	PK	H	34.76	70.46	64.46	74.00	9.54
5150.00	22.31	AV	H	34.76	57.07	51.07	54.00	2.93
5150.00	37.61	PK	V	34.76	72.37	66.37	74.00	7.63
5150.00	24.26	AV	V	34.76	59.02	53.02	54.00	0.98
5350.00	25.67	PK	H	35.15	60.82	54.82	74.00	19.18
5350.00	15.71	AV	H	35.15	50.86	44.86	54.00	9.14
5350.00	26.44	PK	V	35.15	61.59	55.59	74.00	18.41
5350.00	16.38	AV	V	35.15	51.53	45.53	54.00	8.47
10420.00	47.68	PK	H	0.43	48.11	48.11	68.20	20.09
10420.00	48.64	PK	V	0.43	49.07	49.07	68.20	19.13
15630.00	47.27	PK	H	0.57	47.84	47.84	74.00	26.16
15630.00	37.13	AV	H	0.57	37.70	37.70	54.00	16.30
15630.00	47.43	PK	V	0.57	48.00	48.00	74.00	26.00
15630.00	37.48	AV	V	0.57	38.05	38.05	54.00	15.95

802.11a_U-NII-2A

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5260**	**MHz**			
5150.00	32.03	PK	H	34.76	66.79	60.79	74.00	13.21
5150.00	21.07	AV	H	34.76	55.83	49.83	54.00	4.17
5150.00	31.98	PK	V	34.76	66.74	60.74	74.00	13.26
5150.00	21.44	AV	V	34.76	56.20	50.20	54.00	3.80
10520.00	47.49	PK	H	0.6	48.09	48.09	68.20	20.11
10520.00	48.54	PK	V	0.6	49.14	49.14	68.20	19.06
15780.00	46.78	PK	H	0.55	47.33	47.33	74.00	26.67
15780.00	36.89	AV	H	0.55	37.44	37.44	54.00	16.56
15780.00	47.47	PK	V	0.55	48.02	48.02	74.00	25.98
15780.00	37.21	AV	V	0.55	37.76	37.76	54.00	16.24
middle channel				**5280**	**MHz**			
10560.00	48.36	PK	H	0.61	48.97	48.97	68.20	19.23
10560.00	47.38	PK	V	0.61	47.99	47.99	68.20	20.21
15840.00	47.22	PK	H	0.54	47.76	47.76	74.00	26.24
15840.00	37.52	AV	H	0.54	38.06	38.06	54.00	15.94
15840.00	47.44	PK	V	0.54	47.98	47.98	74.00	26.02
15840.00	37.90	AV	V	0.54	38.44	38.44	54.00	15.56
high channel				**5320**	**MHz**			
5350.00	32.69	PK	H	35.15	67.84	61.84	74.00	12.16
5350.00	21.47	AV	H	35.15	56.62	50.62	54.00	3.38
5350.00	33.38	PK	V	35.15	68.53	62.53	74.00	11.47
5350.00	20.94	AV	V	35.15	56.09	50.09	54.00	3.91
10640.00	48.30	PK	H	0.62	48.92	48.92	74.00	25.08
10640.00	38.17	AV	H	0.62	38.79	38.79	54.00	15.21
10640.00	47.31	PK	V	0.62	47.93	47.93	74.00	26.07
10640.00	37.29	AV	V	0.62	37.91	37.91	54.00	16.09
15960.00	47.61	PK	H	0.5	48.11	48.11	74.00	25.89
15960.00	37.43	AV	H	0.5	37.93	37.93	54.00	16.07
15960.00	47.95	PK	V	0.5	48.45	48.45	74.00	25.55
15960.00	37.77	AV	V	0.5	38.27	38.27	54.00	15.73

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5260**	**MHz**			
5150.00	30.25	PK	H	34.76	65.01	59.01	74.00	14.99
5150.00	20.03	AV	H	34.76	54.79	48.79	54.00	5.21
5150.00	30.74	PK	V	34.76	65.50	59.50	74.00	14.50
5150.00	20.22	AV	V	34.76	54.98	48.98	54.00	5.02
10520.00	47.80	PK	H	0.6	48.40	48.40	68.20	19.80
10520.00	46.88	PK	V	0.6	47.48	47.48	68.20	20.72
15780.00	47.15	PK	H	0.55	47.70	47.70	74.00	26.30
15780.00	37.30	AV	H	0.55	37.85	37.85	54.00	16.15
15780.00	47.47	PK	V	0.55	48.02	48.02	74.00	25.98
15780.00	37.28	AV	V	0.55	37.83	37.83	54.00	16.17
middle channel				**5280**	**MHz**			
10560.00	47.87	PK	H	0.61	48.48	48.48	68.20	19.72
10560.00	46.28	PK	V	0.61	46.89	46.89	68.20	21.31
15840.00	47.73	PK	H	0.54	48.27	48.27	74.00	25.73
15840.00	37.13	AV	H	0.54	37.67	37.67	54.00	16.33
15840.00	47.65	PK	V	0.54	48.19	48.19	74.00	25.81
15840.00	37.84	AV	V	0.54	38.38	38.38	54.00	15.62
high channel				**5320**	**MHz**			
5350.00	31.48	PK	H	35.15	66.63	60.63	74.00	13.37
5350.00	21.17	AV	H	35.15	56.32	50.32	54.00	3.68
5350.00	30.67	PK	V	35.15	65.82	59.82	74.00	14.18
5350.00	20.26	AV	V	35.15	55.41	49.41	54.00	4.59
10640.00	47.84	PK	H	0.62	48.46	48.46	74.00	25.54
10640.00	37.53	AV	H	0.62	38.15	38.15	54.00	15.85
10640.00	48.37	PK	V	0.62	48.99	48.99	74.00	25.01
10640.00	38.51	AV	V	0.62	39.13	39.13	54.00	14.87
15960.00	47.54	PK	H	0.5	48.04	48.04	74.00	25.96
15960.00	37.88	AV	H	0.5	38.38	38.38	54.00	15.62
15960.00	46.49	PK	V	0.5	46.99	46.99	74.00	27.01
15960.00	37.68	AV	V	0.5	38.18	38.18	54.00	15.82

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel 5270 MHz								
5150.00	30.81	PK	H	34.76	65.57	59.57	74.00	14.43
5150.00	20.04	AV	H	34.76	54.80	48.8	54.00	5.20
5150.00	31.21	PK	V	34.76	65.97	59.97	74.00	14.03
5150.00	20.78	AV	V	34.76	55.54	49.54	54.00	4.46
10540.00	47.06	PK	H	0.59	47.65	47.65	68.20	20.55
10540.00	47.83	PK	V	0.59	48.42	48.42	68.20	19.78
15810.00	46.49	PK	H	0.54	47.03	47.03	74.00	26.97
15810.00	37.48	AV	H	0.54	38.02	38.02	54.00	15.98
15810.00	47.08	PK	V	0.54	47.62	47.62	74.00	26.38
15810.00	37.73	AV	V	0.54	38.27	38.27	54.00	15.73
high channel 5310 MHz								
5350.00	31.55	PK	H	35.15	66.70	60.7	74.00	13.30
5350.00	20.94	AV	H	35.15	56.09	50.09	54.00	3.91
5350.00	32.90	PK	V	35.15	68.05	62.05	74.00	11.95
5350.00	21.69	AV	V	35.15	56.84	50.84	54.00	3.16
10620.00	47.88	PK	H	0.62	48.50	48.50	74.00	25.50
10620.00	37.60	AV	H	0.62	38.22	38.22	54.00	15.78
10620.00	46.89	PK	V	0.62	47.51	47.51	74.00	26.49
10620.00	37.74	AV	V	0.62	38.36	38.36	54.00	15.64
15930.00	46.83	PK	H	0.51	47.34	47.34	74.00	26.66
15930.00	37.76	AV	H	0.51	38.27	38.27	54.00	15.73
15930.00	48.40	PK	V	0.51	48.91	48.91	74.00	25.09
15930.00	38.39	AV	V	0.51	38.90	38.90	54.00	15.10

802.11ac20_U-NII-2A

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5260**	**MHz**			
5150.00	30.87	PK	H	34.76	65.63	59.63	74.00	14.37
5150.00	20.25	AV	H	34.76	55.01	49.01	54.00	4.99
5150.00	30.85	PK	V	34.76	65.61	59.61	74.00	14.39
5150.00	20.42	AV	V	34.76	55.18	49.18	54.00	4.82
10520.00	47.43	PK	H	0.6	48.03	48.03	68.20	20.17
10520.00	46.81	PK	V	0.6	47.41	47.41	68.20	20.79
15780.00	47.91	PK	H	0.55	48.46	48.46	74.00	25.54
15780.00	37.58	AV	H	0.55	38.13	38.13	54.00	15.87
15780.00	47.59	PK	V	0.55	48.14	48.14	74.00	25.86
15780.00	37.78	AV	V	0.55	38.33	38.33	54.00	15.67
middle channel				**5280**	**MHz**			
10560.00	47.53	PK	H	0.61	48.14	48.14	68.20	20.06
10560.00	47.38	PK	V	0.61	47.99	47.99	68.20	20.21
15840.00	47.55	PK	H	0.54	48.09	48.09	74.00	25.91
15840.00	37.20	AV	H	0.54	37.74	37.74	54.00	16.26
15840.00	47.65	PK	V	0.54	48.19	48.19	74.00	25.81
15840.00	37.81	AV	V	0.54	38.35	38.35	54.00	15.65
high channel				**5320**	**MHz**			
5350.00	31.06	PK	H	35.15	66.21	60.21	74.00	13.79
5350.00	20.56	AV	H	35.15	55.71	49.71	54.00	4.29
5350.00	31.12	PK	V	35.15	66.27	60.27	74.00	13.73
5350.00	20.66	AV	V	35.15	55.81	49.81	54.00	4.19
10640.00	47.39	PK	H	0.62	48.01	48.01	74.00	25.99
10640.00	37.21	AV	H	0.62	37.83	37.83	54.00	16.17
10640.00	47.56	PK	V	0.62	48.18	48.18	74.00	25.82
10640.00	37.72	AV	V	0.62	38.34	38.34	54.00	15.66
15960.00	47.86	PK	H	0.5	48.36	48.36	74.00	25.64
15960.00	37.64	AV	H	0.5	38.14	38.14	54.00	15.86
15960.00	47.29	PK	V	0.5	47.79	47.79	74.00	26.21
15960.00	37.63	AV	V	0.5	38.13	38.13	54.00	15.87

802.11ac40_U-NII-2A

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel 5270 MHz								
5150.00	33.91	PK	H	34.76	68.67	62.67	74.00	11.33
5150.00	24.32	AV	H	34.76	59.08	53.08	54.00	0.92
5150.00	34.11	PK	V	34.76	68.87	62.87	74.00	11.13
5150.00	24.70	AV	V	34.76	59.46	53.46	54.00	0.54
10540.00	47.34	PK	H	0.59	47.93	47.93	68.20	20.27
10540.00	46.25	PK	V	0.59	46.84	46.84	68.20	21.36
15810.00	47.23	PK	H	0.54	47.77	47.77	74.00	26.23
15810.00	37.64	AV	H	0.54	38.18	38.18	54.00	15.82
15810.00	47.28	PK	V	0.54	47.82	47.82	74.00	26.18
15810.00	37.78	AV	V	0.54	38.32	38.32	54.00	15.68
high channel 5310 MHz								
5350.00	30.58	PK	H	35.15	65.73	59.73	74.00	14.27
5350.00	20.66	AV	H	35.15	55.81	49.81	54.00	4.19
5350.00	31.02	PK	V	35.15	66.17	60.17	74.00	13.83
5350.00	21.17	AV	V	35.15	56.32	50.32	54.00	3.68
10620.00	47.56	PK	H	0.62	48.18	48.18	74.00	25.82
10620.00	37.66	AV	H	0.62	38.28	38.28	54.00	15.72
10620.00	47.89	PK	V	0.62	48.51	48.51	74.00	25.49
10620.00	37.42	AV	V	0.62	38.04	38.04	54.00	15.96
15930.00	47.93	PK	H	0.51	48.44	48.44	74.00	25.56
15930.00	37.80	AV	H	0.51	38.31	38.31	54.00	15.69
15930.00	47.51	PK	V	0.51	48.02	48.02	74.00	25.98
15930.00	37.62	AV	V	0.51	38.13	38.13	54.00	15.87

802.11ac80_U-NII-2A

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
middle channel 5290 MHz								
5150.00	31.98	PK	H	34.76	66.74	60.74	74.00	13.26
5150.00	20.10	AV	H	34.76	54.86	48.86	54.00	5.14
5150.00	31.41	PK	V	34.76	66.17	60.17	74.00	13.83
5150.00	20.37	AV	V	34.76	55.13	49.13	54.00	4.87
5350.00	33.38	PK	H	35.15	68.53	62.53	74.00	11.47
5350.00	21.61	AV	H	35.15	56.76	50.76	54.00	3.24
5350.00	34.29	PK	V	35.15	69.44	63.44	74.00	10.56
5350.00	22.48	AV	V	35.15	57.63	51.63	54.00	2.37
10580.00	47.11	PK	H	0.61	47.72	47.72	68.20	20.48
10580.00	47.29	PK	V	0.61	47.90	47.90	68.20	20.30
15870.00	47.90	PK	H	0.53	48.43	48.43	74.00	25.57
15870.00	37.45	AV	H	0.53	37.98	37.98	54.00	16.02
15870.00	48.29	PK	V	0.53	48.82	48.82	74.00	25.18
15870.00	38.28	AV	V	0.53	38.81	38.81	54.00	15.19

802.11a_U-NII-2C

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5500**	**MHz**			
5470.00	32.52	PK	H	35.36	67.88	61.88	68.20	6.32
5470.00	32.64	PK	V	35.36	68.00	62.00	68.20	6.20
5460.00	31.26	PK	H	35.34	66.60	60.60	74.00	13.40
5460.00	20.21	AV	H	35.34	55.55	49.55	54.00	4.45
5460.00	31.08	PK	V	35.34	66.42	60.42	74.00	13.58
5460.00	20.14	AV	V	35.34	55.48	49.48	54.00	4.52
11000.00	47.56	PK	H	0.72	48.28	48.28	74.00	25.72
11000.00	37.44	AV	H	0.72	38.16	38.16	54.00	15.84
11000.00	47.77	PK	V	0.72	48.49	48.49	74.00	25.51
11000.00	37.59	AV	V	0.72	38.31	38.31	54.00	15.69
16500.00	47.88	PK	H	1.1	48.98	48.98	68.20	19.22
16500.00	47.92	PK	V	1.1	49.02	49.02	68.20	19.18
middle channel				**5580**	**MHz**			
11160.00	47.53	PK	H	1	48.53	48.53	74.00	25.47
11160.00	37.27	AV	H	1	38.27	38.27	54.00	15.73
11160.00	47.46	PK	V	1	48.46	48.46	74.00	25.54
11160.00	37.39	AV	V	1	38.39	38.39	54.00	15.61
16740.00	47.55	PK	H	2.42	49.97	49.97	68.20	18.23
16740.00	47.12	PK	V	2.42	49.54	49.54	68.20	18.66
high channel				**5700**	**MHz**			
5725.00	34.84	PK	H	35.81	70.65	64.65	68.20	3.55
5725.00	36.34	PK	V	35.81	72.15	66.15	68.20	2.05
11400.00	46.74	PK	H	1.4	48.14	48.14	74.00	25.86
11400.00	36.69	AV	H	1.4	38.09	38.09	54.00	15.91
11400.00	46.37	PK	V	1.4	47.77	47.77	74.00	26.23
11400.00	36.54	AV	V	1.4	37.94	37.94	54.00	16.06
17100.00	47.09	PK	H	4	51.09	51.09	68.20	17.11
17100.00	46.50	PK	V	4	50.50	50.50	68.20	17.70

802.11n20_U-NII-2C

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5500**	**MHz**			
5470.00	35.89	PK	H	35.36	71.25	65.25	68.20	2.95
5470.00	37.07	PK	V	35.36	72.43	66.43	68.20	1.77
5460.00	32.25	PK	H	35.34	67.59	61.59	74.00	12.41
5460.00	20.89	AV	H	35.34	56.23	50.23	54.00	3.77
5460.00	31.61	PK	V	35.34	66.95	60.95	74.00	13.05
5460.00	21.92	AV	V	35.34	57.26	51.26	54.00	2.74
11000.00	48.02	PK	H	0.72	48.74	48.74	74.00	25.26
11000.00	37.84	AV	H	0.72	38.56	38.56	54.00	15.44
11000.00	47.73	PK	V	0.72	48.45	48.45	74.00	25.55
11000.00	37.39	AV	V	0.72	38.11	38.11	54.00	15.89
16500.00	47.07	PK	H	1.1	48.17	48.17	68.20	20.03
16500.00	47.64	PK	V	1.1	48.74	48.74	68.20	19.46
middle channel				**5580**	**MHz**			
11160.00	47.63	PK	H	1	48.63	48.63	74.00	25.37
11160.00	37.42	AV	H	1	38.42	38.42	54.00	15.58
11160.00	47.57	PK	V	1	48.57	48.57	74.00	25.43
11160.00	37.63	AV	V	1	38.63	38.63	54.00	15.37
16740.00	47.48	PK	H	2.42	49.90	49.90	68.20	18.30
16740.00	37.46	PK	V	2.42	39.88	39.88	68.20	28.32
high channel				**5700**	**MHz**			
5725.00	35.57	PK	H	35.81	71.38	65.38	68.20	2.82
5725.00	36.25	PK	V	35.81	72.06	66.06	68.20	2.14
11400.00	46.61	PK	H	1.4	48.01	48.01	74.00	25.99
11400.00	36.59	AV	H	1.4	37.99	37.99	54.00	16.01
11400.00	46.76	PK	V	1.4	48.16	48.16	74.00	25.84
11400.00	36.69	AV	V	1.4	38.09	38.09	54.00	15.91
17100.00	46.49	PK	H	4	50.49	50.49	68.20	17.71
17100.00	46.93	PK	V	4	50.93	50.93	68.20	17.27

802.11n40_U-NII-2C

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5510**	**MHz**			
5470.00	34.98	PK	H	35.36	70.34	64.34	68.20	3.86
5470.00	35.89	PK	V	35.36	71.25	65.25	68.20	2.95
5460.00	32.37	PK	H	35.34	67.71	61.71	74.00	12.29
5460.00	22.91	AV	H	35.34	58.25	52.25	54.00	1.75
5460.00	32.86	PK	V	35.34	68.20	62.20	74.00	11.80
5460.00	22.41	AV	V	35.34	57.75	51.75	54.00	2.25
11020.00	49.66	PK	H	0.75	50.41	50.41	74.00	23.59
11020.00	38.79	AV	H	0.75	39.54	39.54	54.00	14.46
11020.00	48.15	PK	V	0.75	48.90	48.90	74.00	25.10
11020.00	37.93	AV	V	0.75	38.68	38.68	54.00	15.32
16530.00	47.52	PK	H	1.27	48.79	48.79	68.20	19.41
16530.00	47.01	PK	V	1.27	48.28	48.28	68.20	19.92
middle channel				**5550**	**MHz**			
11100.00	48.69	PK	H	0.89	49.58	49.58	74.00	24.42
11100.00	38.47	AV	H	0.89	39.36	39.36	54.00	14.64
11100.00	48.58	PK	V	0.89	49.47	49.47	74.00	24.53
11100.00	38.55	AV	V	0.89	39.44	39.44	54.00	14.56
16650.00	48.30	PK	H	1.93	50.23	50.23	68.20	17.97
16650.00	37.88	PK	V	1.93	39.81	39.81	68.20	28.39
high channel				**5670**	**MHz**			
5725.00	32.92	PK	H	35.81	68.73	62.73	68.20	5.47
5725.00	33.18	PK	V	35.81	68.99	62.99	68.20	5.21
11340.00	47.57	PK	H	1.29	48.86	48.86	74.00	25.14
11340.00	37.49	AV	H	1.29	38.78	38.78	54.00	15.22
11340.00	47.44	PK	V	1.29	48.73	48.73	74.00	25.27
11340.00	37.28	AV	V	1.29	38.57	38.57	54.00	15.43
17010.00	47.22	PK	H	3.87	51.09	51.09	68.20	17.11
17010.00	47.38	PK	V	3.87	51.25	51.25	68.20	16.95

802.11ac20_U-NII-2C

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5500**	**MHz**			
5470.00	32.80	PK	H	35.36	68.16	62.16	68.20	6.04
5470.00	32.94	PK	V	35.36	68.30	62.30	68.20	5.90
5460.00	32.60	PK	H	35.34	67.94	61.94	74.00	12.06
5460.00	21.14	AV	H	35.34	56.48	50.48	54.00	3.52
5460.00	31.35	PK	V	35.34	66.69	60.69	74.00	13.31
5460.00	21.13	AV	V	35.34	56.47	50.47	54.00	3.53
11000.00	47.63	PK	H	0.72	48.35	48.35	74.00	25.65
11000.00	37.43	AV	H	0.72	38.15	38.15	54.00	15.85
11000.00	48.16	PK	V	0.72	48.88	48.88	74.00	25.12
11000.00	38.87	AV	V	0.72	39.59	39.59	54.00	14.41
16500.00	48.06	PK	H	1.1	49.16	49.16	68.20	19.04
16500.00	48.05	PK	V	1.1	49.15	49.15	68.20	19.05
middle channel				**5580**	**MHz**			
11160.00	47.49	PK	H	1	48.49	48.49	74.00	25.51
11160.00	37.22	AV	V	1	38.22	38.22	54.00	15.78
11160.00	47.53	PK	H	1	48.53	48.53	74.00	25.47
11160.00	37.36	AV	H	1	38.36	38.36	54.00	15.64
16740.00	47.55	PK	H	2.42	49.97	49.97	68.20	18.23
16740.00	48.20	PK	V	2.42	50.62	50.62	68.20	17.58
high channel				**5700**	**MHz**			
5725.00	32.41	PK	H	35.81	68.22	62.22	68.20	5.98
5725.00	33.56	PK	V	35.81	69.37	63.37	68.20	4.83
11400.00	47.75	PK	H	1.4	49.15	49.15	74.00	24.85
11400.00	37.48	AV	H	1.4	38.88	38.88	54.00	15.12
11400.00	48.11	PK	V	1.4	49.51	49.51	74.00	24.49
11400.00	37.78	AV	V	1.4	39.18	39.18	54.00	14.82
17100.00	46.52	PK	H	4	50.52	50.52	68.20	17.68
17100.00	46.67	PK	V	4	50.67	50.67	68.20	17.53

802.11ac40_U-NII-2C

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5510**	**MHz**			
5470.00	35.07	PK	H	35.36	70.43	64.43	68.20	3.77
5470.00	36.74	PK	V	35.36	72.10	66.1	68.20	2.10
5460.00	34.25	PK	H	35.34	69.59	63.59	74.00	10.41
5460.00	22.92	AV	H	35.34	58.26	52.26	54.00	1.74
5460.00	34.65	PK	V	35.34	69.99	63.99	74.00	10.01
5460.00	23.44	AV	V	35.34	58.78	52.78	54.00	1.22
11020.00	48.18	PK	H	0.75	48.93	48.93	74.00	25.07
11020.00	37.96	AV	H	0.75	38.71	38.71	54.00	15.29
11020.00	47.84	PK	V	0.75	48.59	48.59	74.00	25.41
11020.00	37.66	AV	V	0.75	38.41	38.41	54.00	15.59
16530.00	46.76	PK	H	1.27	48.03	48.03	68.20	20.17
16530.00	46.89	PK	V	1.27	48.16	48.16	68.20	20.04
middle channel				**5550**	**MHz**			
11100.00	47.59	PK	H	0.89	48.48	48.48	74.00	25.52
11100.00	37.39	AV	H	0.89	38.28	38.28	54.00	15.72
11100.00	47.74	PK	V	0.89	48.63	48.63	74.00	25.37
11100.00	37.42	AV	V	0.89	38.31	38.31	54.00	15.69
16650.00	46.59	PK	H	1.93	48.52	48.52	68.20	19.68
16650.00	46.77	PK	V	1.93	48.70	48.70	68.20	19.50
high channel				**5670**	**MHz**			
5725.00	32.89	PK	H	35.81	68.70	62.70	68.20	5.50
5725.00	33.15	PK	V	35.81	68.96	62.96	68.20	5.24
11340.00	47.96	PK	H	1.29	49.25	49.25	74.00	24.75
11340.00	37.69	AV	H	1.29	38.98	38.98	54.00	15.02
11340.00	47.21	PK	V	1.29	48.50	48.50	74.00	25.50
11340.00	37.18	AV	V	1.29	38.47	38.47	54.00	15.53
17010.00	47.26	PK	H	3.87	51.13	51.13	68.20	17.07
17010.00	46.60	PK	V	3.87	50.47	50.47	68.20	17.73

802.11ac80_U-NII-2C

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5530**	**MHz**			
5470.00	33.25	PK	H	35.36	68.61	62.61	68.20	5.59
5470.00	33.86	PK	V	35.36	69.22	63.22	68.20	4.98
5460.00	32.17	PK	H	35.34	67.51	61.51	74.00	12.49
5460.00	21.32	AV	H	35.34	56.66	50.66	54.00	3.34
5460.00	32.61	PK	V	35.34	67.95	61.95	74.00	12.05
5460.00	21.79	AV	V	35.34	57.13	51.13	54.00	2.87
11060.00	47.35	PK	H	0.82	48.17	48.17	74.00	25.83
11060.00	37.23	AV	H	0.82	38.05	38.05	54.00	15.95
11060.00	47.19	PK	V	0.82	48.01	48.01	74.00	25.99
11060.00	37.03	AV	V	0.82	37.85	37.85	54.00	16.15
16590.00	47.48	PK	H	1.6	49.08	49.08	68.20	19.12
16590.00	47.66	PK	V	1.6	49.26	49.26	68.20	18.94
high channel				**5610**	**MHz**			
5725.00	31.48	PK	H	35.81	67.29	61.29	68.20	6.91
5725.00	32.22	PK	V	35.81	68.03	62.03	68.20	6.17
11220.00	48.44	PK	H	1.1	49.54	49.54	74.00	24.46
11220.00	38.21	AV	H	1.1	39.31	39.31	54.00	14.69
11220.00	48.71	PK	V	1.1	49.81	49.81	74.00	24.19
11220.00	38.46	AV	V	1.1	39.56	39.56	54.00	14.44
16830.00	46.57	PK	H	2.91	49.48	49.48	68.20	18.72
16830.00	46.64	PK	V	2.91	49.55	49.55	68.20	18.65

802.11a_U-NII-3

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5745**	**MHz**			
5725.00	39.75	PK	H	35.81	75.56	69.56	122.20	52.64
5720.00	38.13	PK	H	35.8	73.93	67.93	110.80	42.87
5700.00	31.95	PK	H	35.77	67.72	61.72	105.20	43.48
5650.00	32.36	PK	H	35.69	68.05	62.05	68.20	6.15
5725.00	45.15	PK	V	35.81	80.96	74.96	122.20	47.24
5720.00	39.34	PK	V	35.8	75.14	69.14	110.80	41.66
5700.00	34.24	PK	V	35.77	70.01	64.01	105.20	41.19
5650.00	31.97	PK	V	35.69	67.66	61.66	68.20	6.54
11490.00	46.48	PK	H	1.55	48.03	48.03	74.00	25.97
11490.00	36.88	AV	H	1.55	38.43	38.43	54.00	15.57
11490.00	49.57	PK	V	1.55	51.12	51.12	74.00	22.88
11490.00	39.83	AV	V	1.55	41.38	41.38	54.00	**12.62**
17235.00	47.02	PK	H	4.2	51.22	51.22	68.20	16.98
17235.00	48.17	PK	V	4.2	52.37	52.37	68.20	15.83
middle channel				**5785**	**MHz**			
11570.00	46.62	PK	H	1.59	48.21	48.21	74.00	25.79
11570.00	36.39	AV	H	1.59	37.98	37.98	54.00	16.02
11570.00	49.70	PK	V	1.59	51.29	51.29	74.00	22.71
11570.00	39.21	AV	V	1.59	40.80	40.80	54.00	13.20
17355.00	46.10	PK	H	4.37	50.47	50.47	68.20	17.73
17355.00	48.27	PK	V	4.37	52.64	52.64	68.20	15.56
high channel				**5825**	**MHz**			
5850.00	31.94	PK	H	36	67.94	61.94	122.20	60.26
5855.00	31.21	PK	H	36.01	67.22	61.22	110.80	49.58
5875.00	31.68	PK	H	36.04	67.72	61.72	105.20	43.48
5925.00	31.98	PK	H	36.12	68.10	62.10	68.20	6.10
5850.00	33.23	PK	V	36	69.23	63.23	122.20	58.97
5855.00	33.22	PK	V	36.01	69.23	63.23	110.80	47.57
5875.00	31.62	PK	V	36.04	67.66	61.66	105.20	43.54
5925.00	31.73	PK	V	36.12	67.85	61.85	68.20	6.35
11650.00	46.50	PK	H	1.59	48.09	48.09	74.00	25.91
11650.00	36.18	AV	H	1.59	37.77	37.77	54.00	16.23
11650.00	49.73	PK	V	1.59	51.32	51.32	74.00	22.68
11650.00	39.38	AV	V	1.59	40.97	40.97	54.00	13.03
17475.00	46.40	PK	H	4.56	50.96	50.96	68.20	17.24
17475.00	48.06	PK	V	4.56	52.62	52.62	68.20	15.58

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5745**	**MHz**			
5725.00	35.80	PK	H	35.81	71.61	65.61	122.20	56.59
5720.00	33.35	PK	H	35.8	69.15	63.15	110.80	47.65
5700.00	31.56	PK	H	35.77	67.33	61.33	105.20	43.87
5650.00	31.57	PK	H	35.69	67.26	61.26	68.20	6.94
5725.00	39.38	PK	V	35.81	75.19	69.19	122.20	53.01
5720.00	35.41	PK	V	35.8	71.21	65.21	110.80	45.59
5700.00	31.70	PK	V	35.77	67.47	61.47	105.20	43.73
5650.00	31.57	PK	V	35.69	67.26	61.26	68.20	6.94
11490.00	47.29	PK	H	1.55	48.84	48.84	74.00	25.16
11490.00	37.67	AV	H	1.55	39.22	39.22	54.00	14.78
11490.00	47.52	PK	V	1.55	49.07	49.07	74.00	24.93
11490.00	37.74	AV	V	1.55	39.29	39.29	54.00	14.71
17235.00	47.38	PK	H	4.2	51.58	51.58	68.20	16.62
17235.00	48.76	PK	V	4.2	52.96	52.96	68.20	15.24
middle channel				**5785**	**MHz**			
11570.00	47.22	PK	H	1.59	48.81	48.81	74.00	25.19
11570.00	37.21	AV	H	1.59	38.80	38.80	54.00	15.20
11570.00	47.36	PK	V	1.59	48.95	48.95	74.00	25.05
11570.00	37.20	AV	V	1.59	38.79	38.79	54.00	15.21
17355.00	47.50	PK	H	4.37	51.87	51.87	68.20	16.33
17355.00	47.61	PK	V	4.37	51.98	51.98	68.20	16.22
high channel				**5825**	**MHz**			
5850.00	32.32	PK	H	36	68.32	62.32	122.20	59.88
5855.00	31.52	PK	H	36.01	67.53	61.53	110.80	49.27
5875.00	31.63	PK	H	36.04	67.67	61.67	105.20	43.53
5925.00	31.10	PK	H	36.12	67.22	61.22	68.20	6.98
5850.00	34.12	PK	V	36	70.12	64.12	122.20	58.08
5855.00	33.13	PK	V	36.01	69.14	63.14	110.80	47.66
5875.00	31.52	PK	V	36.04	67.56	61.56	105.20	43.64
5925.00	31.16	PK	V	36.12	67.28	61.28	68.20	6.92
11650.00	47.14	PK	H	1.59	48.73	48.73	74.00	25.27
11650.00	37.52	AV	H	1.59	39.11	39.11	54.00	14.89
11650.00	47.96	PK	V	1.59	49.55	49.55	74.00	24.45
11650.00	37.84	AV	V	1.59	39.43	39.43	54.00	14.57
17475.00	47.30	PK	H	4.56	51.86	51.86	68.20	16.34
17475.00	48.18	PK	V	4.56	52.74	52.74	68.20	15.46

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5755**	**MHz**			
5725.00	41.39	PK	H	35.81	77.20	71.20	122.20	51.00
5720.00	40.33	PK	H	35.8	76.13	70.13	110.80	40.67
5700.00	35.24	PK	H	35.77	71.01	65.01	105.20	40.19
5650.00	31.61	PK	H	35.69	67.30	61.30	68.20	6.90
5725.00	41.51	PK	V	35.81	77.32	71.32	122.20	50.88
5720.00	42.00	PK	V	35.8	77.80	71.80	110.80	39.00
5700.00	33.96	PK	V	35.77	69.73	63.73	105.20	41.47
5650.00	31.80	PK	V	35.69	67.49	61.49	68.20	6.71
11510.00	46.86	PK	H	1.57	48.43	48.43	74.00	25.57
11510.00	37.27	AV	H	1.57	38.84	38.84	54.00	15.16
11510.00	47.94	PK	V	1.57	49.51	49.51	74.00	24.49
11510.00	37.69	AV	V	1.57	39.26	39.26	54.00	14.74
17265.00	47.00	PK	H	4.24	51.24	51.24	68.20	16.96
17265.00	48.46	PK	V	4.24	52.70	52.70	68.20	15.50
high channel				**5795**	**MHz**			
5850.00	34.60	PK	H	36	70.60	64.60	122.20	57.60
5855.00	33.30	PK	H	36.01	69.31	63.31	110.80	47.49
5875.00	31.50	PK	H	36.04	67.54	61.54	105.20	43.66
5925.00	31.25	PK	H	36.12	67.37	61.37	68.20	6.83
5850.00	37.68	PK	V	36	73.68	67.68	122.20	54.52
5855.00	36.85	PK	V	36.01	72.86	66.86	110.80	43.94
5875.00	34.24	PK	V	36.04	70.28	64.28	105.20	40.92
5925.00	31.42	PK	V	36.12	67.54	61.54	68.20	6.66
11590.00	46.53	PK	H	1.58	48.11	48.11	74.00	25.89
11590.00	36.78	AV	H	1.58	38.36	38.36	54.00	15.64
11590.00	47.96	PK	V	1.58	49.54	49.54	74.00	24.46
11590.00	37.64	AV	V	1.58	39.22	39.22	54.00	14.78
17385.00	47.87	PK	H	4.42	52.29	52.29	68.20	15.91
17385.00	48.56	PK	V	4.42	52.98	52.98	68.20	15.22

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Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel 5745 MHz								
5725.00	35.92	PK	H	35.81	71.73	65.73	122.20	56.47
5720.00	34.47	PK	H	35.8	70.27	64.27	110.80	46.53
5700.00	32.73	PK	H	35.77	68.50	62.50	105.20	42.70
5650.00	31.30	PK	H	35.69	66.99	60.99	68.20	7.21
5725.00	39.72	PK	V	35.81	75.53	69.53	122.20	52.67
5720.00	36.17	PK	V	35.8	71.97	65.97	110.80	44.83
5700.00	33.68	PK	V	35.77	69.45	63.45	105.20	41.75
5650.00	31.87	PK	V	35.69	67.56	61.56	68.20	6.64
11490.00	46.30	PK	H	1.55	47.85	47.85	74.00	26.15
11490.00	37.24	AV	H	1.55	38.79	38.79	54.00	15.21
11490.00	48.22	PK	V	1.55	49.77	49.77	74.00	24.23
11490.00	38.13	AV	V	1.55	39.68	39.68	54.00	14.32
17235.00	47.54	PK	H	4.2	51.74	51.74	68.20	16.46
17235.00	47.26	PK	V	4.2	51.46	51.46	68.20	16.74
middle channel 5785 MHz								
11570.00	46.36	PK	H	1.59	47.95	47.95	74.00	26.05
11570.00	37.12	AV	H	1.59	38.71	38.71	54.00	15.29
11570.00	48.59	PK	V	1.59	50.18	50.18	74.00	23.82
11570.00	38.28	AV	V	1.59	39.87	39.87	54.00	14.13
17355.00	47.23	PK	H	4.37	51.60	51.60	68.20	16.60
17355.00	47.16	PK	V	4.37	51.53	51.53	68.20	16.67
high channel 5825 MHz								
5850.00	33.30	PK	H	36	69.30	63.30	122.20	58.90
5855.00	32.60	PK	H	36.01	68.61	62.61	110.80	48.19
5875.00	31.91	PK	H	36.04	67.95	61.95	105.20	43.25
5925.00	31.59	PK	H	36.12	67.71	61.71	68.20	6.49
5850.00	35.24	PK	V	36	71.24	65.24	122.20	56.96
5855.00	34.49	PK	V	36.01	70.50	64.50	110.80	46.30
5875.00	31.60	PK	V	36.04	67.64	61.64	105.20	43.56
5925.00	31.35	PK	V	36.12	67.47	61.47	68.20	6.73
11650.00	46.08	PK	H	1.59	47.67	47.67	74.00	26.33
11650.00	37.31	AV	H	1.59	38.90	38.90	54.00	15.10
11650.00	48.00	PK	V	1.59	49.59	49.59	74.00	24.41
11650.00	38.15	AV	V	1.59	39.74	39.74	54.00	14.26
17475.00	47.19	PK	H	4.56	51.75	51.75	68.20	16.45
17475.00	47.25	PK	V	4.56	51.81	51.81	68.20	16.39

802.11ac40_U-NII-3

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
low channel				**5755**	**MHz**			
5725.00	41.63	PK	H	35.81	77.44	71.44	122.20	50.76
5720.00	40.96	PK	H	35.8	76.76	70.76	110.80	40.04
5700.00	35.70	PK	H	35.77	71.47	65.47	105.20	39.73
5650.00	32.07	PK	H	35.69	67.76	61.76	68.20	6.44
5725.00	41.34	PK	V	35.81	77.15	71.15	122.20	51.05
5720.00	41.25	PK	V	35.8	77.05	71.05	110.80	39.75
5700.00	33.26	PK	V	35.77	69.03	63.03	105.20	42.17
5650.00	31.71	PK	V	35.69	67.40	61.40	68.20	6.80
11510.00	46.80	PK	H	1.57	48.37	48.37	74.00	25.63
11510.00	37.33	AV	H	1.57	38.90	38.90	54.00	15.10
11510.00	48.18	PK	V	1.57	49.75	49.75	74.00	24.25
11510.00	38.59	AV	V	1.57	40.16	40.16	54.00	13.84
17265.00	48.28	PK	H	4.24	52.52	52.52	68.20	15.68
17265.00	48.64	PK	V	4.24	52.88	52.88	68.20	15.32
high channel				**5795**	**MHz**			
5850.00	35.80	PK	H	36	71.80	65.80	122.20	56.40
5855.00	34.34	PK	H	36.01	70.35	64.35	110.80	46.45
5875.00	31.44	PK	H	36.04	67.48	61.48	105.20	43.72
5925.00	31.50	PK	H	36.12	67.62	61.62	68.20	6.58
5850.00	38.75	PK	V	36	74.75	68.75	122.20	53.45
5855.00	37.85	PK	V	36.01	73.86	67.86	110.80	42.94
5875.00	33.49	PK	V	36.04	69.53	63.53	105.20	41.67
5925.00	32.12	PK	V	36.12	68.24	62.24	68.20	5.96
11590.00	46.59	PK	H	1.58	48.17	48.17	74.00	25.83
11590.00	37.38	AV	H	1.58	38.96	38.96	54.00	15.04
11590.00	48.34	PK	V	1.58	49.92	49.92	74.00	24.08
11590.00	38.45	AV	V	1.58	40.03	40.03	54.00	13.97
17385.00	48.35	PK	H	4.42	52.77	52.77	68.20	15.43
17385.00	47.38	PK	V	4.42	51.80	51.80	68.20	16.40

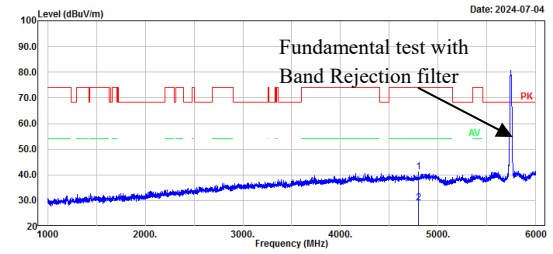
802.11ac80_U-NII-3

Frequency	Reading	Detector	Polar	Factor	Corrected Amplitude	Extrapolation result	Limit	Margin
MHz	dBµV	PK/QP/AV	H/V	dB/m	dBµV/m	dBµV/m	dBµV/m	dB
middle channel 5775 MHz								
5725.00	43.60	PK	H	35.81	79.41	73.41	122.20	48.79
5720.00	43.41	PK	H	35.8	79.21	73.21	110.80	37.59
5700.00	40.91	PK	H	35.77	76.68	70.68	105.20	34.52
5650.00	31.29	PK	H	35.69	66.98	60.98	68.20	7.22
5850.00	39.64	PK	H	36	75.64	69.64	122.20	52.56
5855.00	39.09	PK	H	36.01	75.10	69.10	110.80	41.70
5875.00	34.30	PK	H	36.04	70.34	64.34	105.20	40.86
5925.00	32.87	PK	H	36.12	68.99	62.99	68.20	5.21
5725.00	45.39	PK	V	35.81	81.20	75.20	122.20	47.00
5720.00	45.78	PK	V	35.8	81.58	75.58	110.80	35.22
5700.00	45.30	PK	V	35.77	81.07	75.07	105.20	30.13
5650.00	32.22	PK	V	35.69	67.91	61.91	68.20	6.29
5850.00	44.56	PK	V	36	80.56	74.56	122.20	47.64
5855.00	44.84	PK	V	36.01	80.85	74.85	110.80	35.95
5875.00	39.05	PK	V	36.04	75.09	69.09	105.20	36.11
5925.00	31.68	PK	V	36.12	67.80	61.80	68.20	6.40
11550.00	46.46	PK	H	1.57	48.03	48.03	74.00	25.97
11550.00	37.26	AV	H	1.57	38.83	38.83	54.00	15.17
11550.00	46.74	PK	V	1.57	48.31	48.31	74.00	25.69
11550.00	37.16	AV	V	1.57	38.73	38.73	54.00	15.27
17325.00	47.64	PK	H	4.33	51.97	51.97	68.20	16.23
17325.00	47.49	PK	V	4.33	51.82	51.82	68.20	16.38

Worst Channel Test plots:

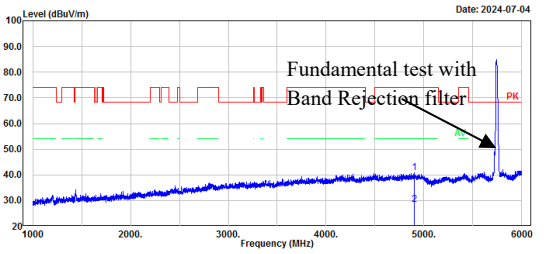
802.11a mode, 5745MHz, Horizontal	802.11a mode, 5745MHz, Vertical

Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz



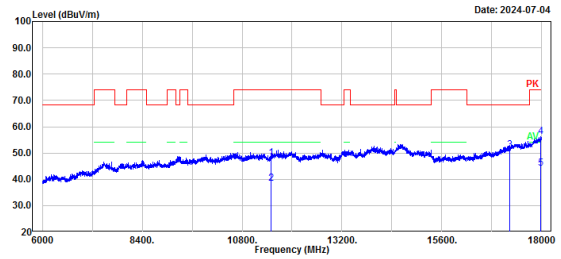
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	4798.00	51.22	-10.12	41.10	74.00	32.90	Peak
2	4798.00	39.13	-10.12	29.01	54.00	24.99	Average

Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz



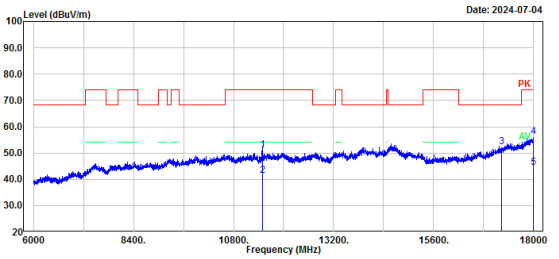
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	4901.00	50.69	-9.98	40.71	74.00	33.29	Peak
2	4901.00	38.50	-9.98	28.52	54.00	25.48	Average

Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	11490.00	46.48	1.55	48.03	74.00	25.97	Peak
2	11490.00	36.88	1.55	38.43	54.00	15.57	Average
3	17235.00	47.02	4.20	51.22	68.20	16.98	Peak
4	17980.80	48.28	8.00	56.28	74.00	17.72	Peak
5	17980.80	36.27	8.00	44.27	54.00	9.73	Average

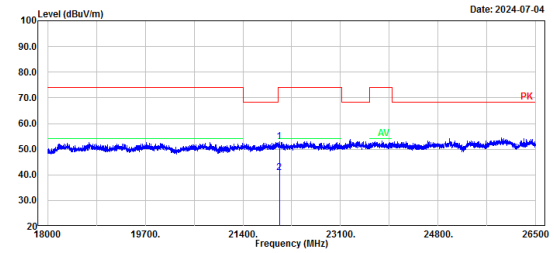
Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	11490.00	49.57	1.55	51.12	74.00	22.88	Peak
2	11490.00	39.83	1.55	41.38	54.00	12.62	Average
3	17235.00	48.17	4.20	52.37	68.20	15.83	Peak
4	18000.00	48.01	8.13	56.14	74.00	17.86	Peak
5	18000.00	36.30	8.13	44.43	54.00	9.57	Average

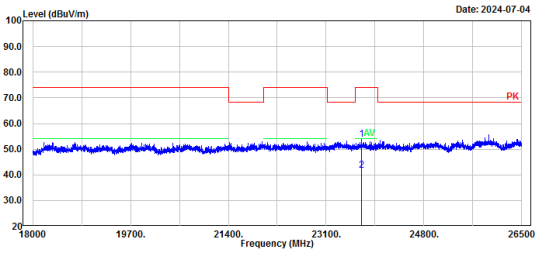
802.11a mode, 5745MHz, Horizontal	802.11a mode, 5745MHz, Vertical

Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz



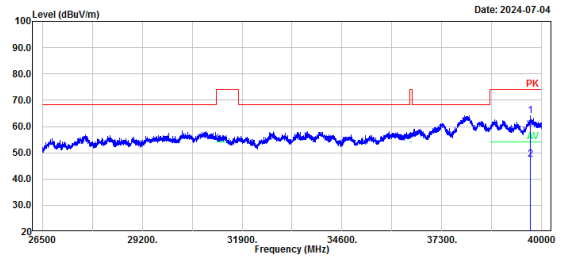
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	22034.10	45.32	7.63	52.95	74.00	21.05	Peak
2	22034.10	33.18	7.63	40.81	54.00	13.19	Average

Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz



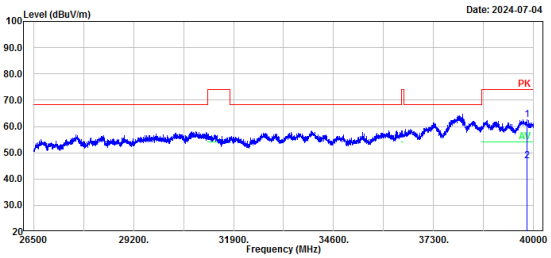
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	23718.80	45.03	8.73	53.76	74.00	20.24	Peak
2	23718.80	33.12	8.73	41.85	54.00	12.15	Average

Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Horizontal Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz



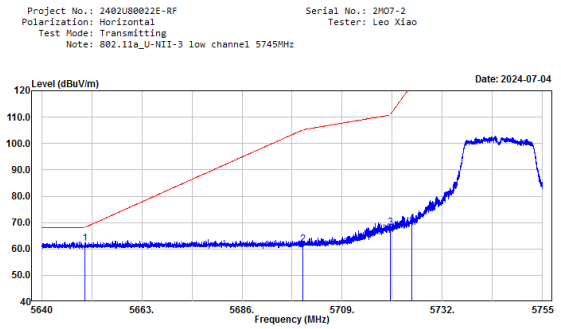
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	39686.80	46.65	17.29	63.94	74.00	10.06	Peak
2	39686.80	30.30	17.29	47.59	54.00	6.41	Average

Project No.: 2402U80022E-RF Serial No.: 2MO7-2
Polarization: Vertical Tester: Leo Xiao
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz

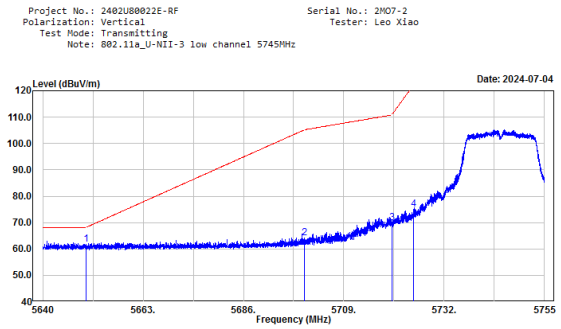


No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	39816.40	45.18	17.36	62.54	74.00	11.46	Peak
2	39816.40	29.43	17.36	46.79	54.00	7.21	Average

802.11a mode, 5745MHz, Bandedge, Horizontal	802.11a mode, 5745MHz, Bandedge, Vertical



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	5650.00	32.36	29.69	62.05	68.20	6.15	Peak
2	5700.00	31.95	29.77	61.72	105.20	43.48	Peak
3	5720.00	38.13	29.80	67.93	110.80	42.87	Peak
4	5725.00	39.75	29.81	69.56	122.20	52.64	Peak



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	5650.00	31.97	29.69	61.66	68.20	6.54	Peak
2	5700.00	34.24	29.77	64.01	105.20	41.19	Peak
3	5720.00	39.95	29.80	69.75	110.80	41.05	Peak
4	5725.00	45.15	29.81	74.96	122.20	47.24	Peak

5.3 Spot Check With Maximum Conducted Output Power

Serial No.:	2MO7-1	Test Date:	2024/6/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Roy Xiao	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	26.7	Relative Humidity: (%)	47	ATM Pressure: (kPa)	100.7

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2023/9/4	2024/9/3
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM488	2023/9/10	2024/9/9

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5180	14.25	24
	5200	14.51	24
	5240	14.22	24
802.11n ht20	5180	14.47	24
	5200	14.51	24
	5240	13.93	24
802.11ac vht20	5180	14.71	24
	5200	14.83	24
	5240	14.59	24
802.11n ht40	5190	13.11	24
	5230	14.76	24
802.11ac vht40	5190	13.48	24
	5230	**15.39**	24
802.11ac vht80	5210	12.97	24
Note: The device is a client device.			

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5260	14.38	24
	5280	14.21	24
	5320	14.57	24
802.11n ht20	5260	14.21	24
	5280	14.11	24
	5320	13.47	24
802.11ac vht20	5260	14.82	24
	5280	14.94	24
	5320	14.48	24
802.11n ht40	5270	15.03	24
	5310	14.89	24
802.11ac vht40	5270	**15.61**	24
	5310	14.88	24
802.11ac vht80	5290	13.36	24
Note: The device is a client device.			

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5500	14.45	24
	5580	14.26	24
	5700	15.28	24
802.11n ht20	5500	14.31	24
	5580	14.38	24
	5700	14.37	24
802.11ac vht20	5500	14.29	24
	5580	14.58	24
	5700	14.95	24
802.11n ht40	5510	15.53	24
	5550	15.04	24
	5670	15.38	24
802.11ac vht40	5510	14.91	24
	5550	15.06	24
	5670	**15.98**	24
802.11ac vht80	5530	13.46	24
	5610	13.86	24
Note: The device is a client device.			

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5745	14.89	30
	5785	14.88	30
	5825	14.74	30
802.11n ht20	5745	15.16	30
	5785	14.77	30
	5825	14.11	30
802.11ac vht20	5745	15.19	30
	5785	14.77	30
	5825	14.91	30
802.11n ht40	5755	15.07	30
	5795	15.32	30
802.11ac vht40	5755	**16.29**	30
	5795	16.01	30
802.11ac vht80	5775	14.77	30

5.4 Duty Cycle

Serial No.:	2MO7-1	**Test Date:**	2024/7/22
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Roy Xiao	**Test Result:**	N/A

Environmental Conditions:

Temperature: (℃)	27	**Relative Humidity: (%)**	60	**ATM Pressure: (kPa)**	100.2

Test Equipment List and Details:

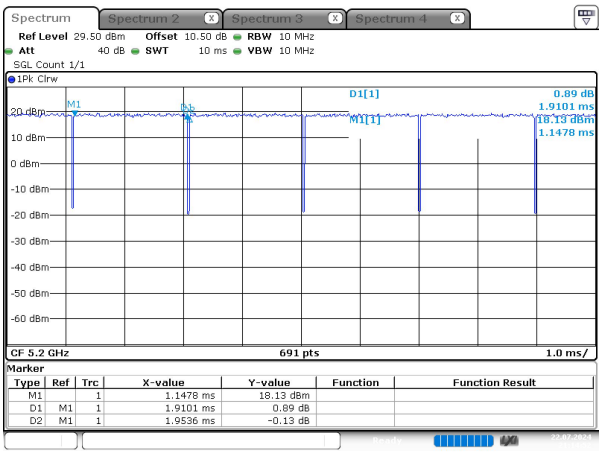
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101589	2023/10/18	2024/10/17
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM488	2023/9/10	2024/9/9

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

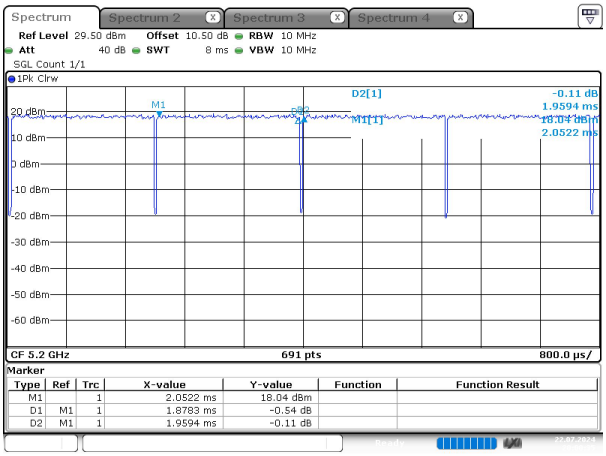
Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	Duty cycle Factor (dB)	VBW Setting (kHz)
802.11a	1.91	1.954	97.75	524	0.10	1.00
802.11n ht20	1.878	1.959	95.87	532	0.18	1.00
802.11n ht40	0.949	0.993	95.57	1054	0.20	2.00
802.11ac vht20	1.913	1.971	97.06	523	0.13	1.00
802.11ac vht40	0.942	0.993	94.86	1062	0.23	2.00
802.11ac vht80	0.461	0.501	92.02	2169	0.36	3.00

a_5200MHz_Chain 0



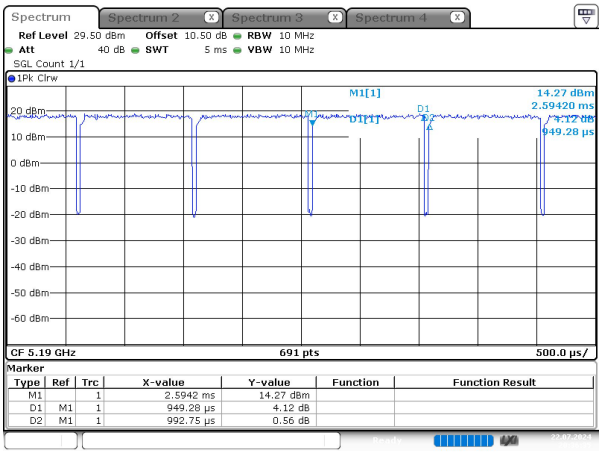
ProjectNo.:2402U80022E Tester:Roy xiao
Date: 22.JUL.2024 21:14:53

n20_5200MHz_Chain 0



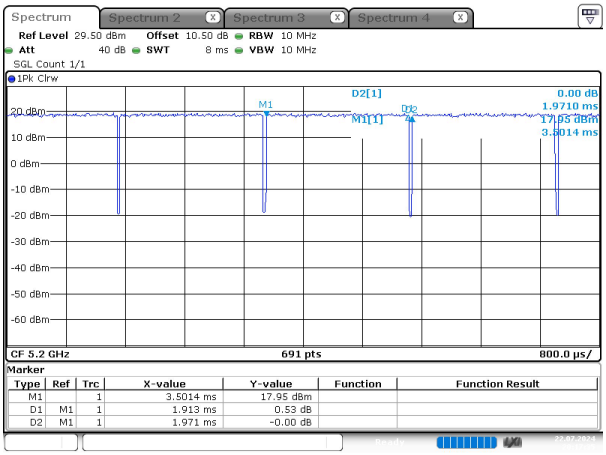
ProjectNo.:2402U80022E Tester:Roy xiao
Date: 22.JUL.2024 20:00:36

n40_5190MHz_Chain 0



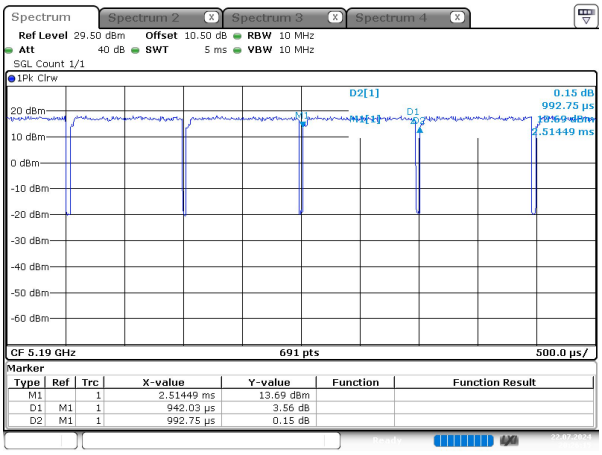
ProjectNo.:2402U80022E Tester:Roy xiao
Date: 22.JUL.2024 20:36:35

ac20_5200MHz_Chain 0



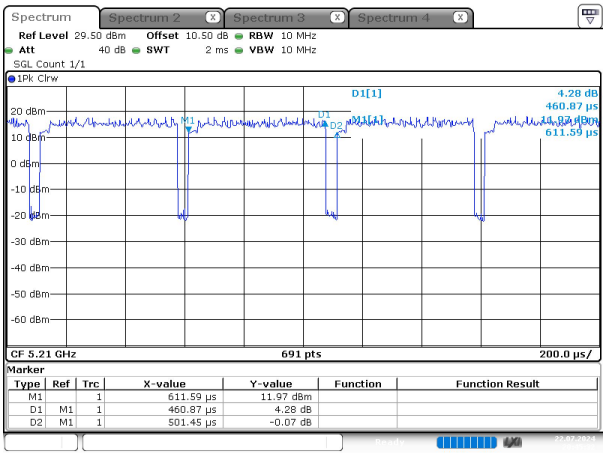
ProjectNo.:2402U80022E Tester:Roy xiao
Date: 22.JUL.2024 20:17:35

ac40_5190MHz_Chain 0



ProjectNo.:2402U80022E Tester:Roy xiao
Date: 22.JUL.2024 20:26:16

ac80_5210MHz_Chain 0



ProjectNo.:2402U80022E Tester:Roy xiao
Date: 22.JUL.2024 20:45:33

APPENDIX A - EUT PHOTOGRAPHS

Please refer to the attachment 2402U80022E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402U80022E-RF-INP EUT INTERNAL PHOTOGRAPHS.

APPENDIX B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402U80022E-RF-00D-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT ====