TEST REPORT

Applicant Name:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.
Address:	No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China
Report Number:	2401S35623-RF-00
FCC ID:	T2C-A40

Test Standard (s)

FCC PART 15.407

Sample Description

Product Type:	Video Conferencing Endpoint
Model No.:	MeetingBar A40
Multiple Model(s) No.:	N/A
Trade Mark:	Yealink
Date Received:	2024/04/03
Issue Date:	2024/07/24

Test Result:	Pass▲

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Gala Liu

RF Engineer

Approved By:

Jimmy Xiao

RF Supervisor

Note: The information marked# is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "▼".

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401S35623-RF-00	Original Report	2024/07/24

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Video Conferencing Endpoint
Tested Model	MeetingBar A40
Multiple Model(s)	N/A
Frequency Range	5G Wi-Fi: 5150-5250MHz; 5250-5350MHz; 5470-5725MHz; 5725-5850MHz
Mode	Module YL43752: 802.11a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80 Module YL43456: 802.11a/n20/n40/ac20/ac40/ac80
Maximum Conducted Average Output Power	For Module YL43752: 5150-5250MHz: 11.65dBm 5250-5350MHz: 12.24dBm 5470-5725MHz: 11.76dBm 5725-5850MHz: 13.98dBm For Module YL43456: 5150-5250MHz: 15.76dBm 5250-5350MHz: 16.12dBm 5470-5725MHz: 16.28dBm 5725-5850MHz: 15.93dBm
Modulation Technique	OFDM
Antenna Specification#	Module YL43752 ANT1: 4.17dBi; ANT2: 3.01dBi Module YL43456 ANT: 4.17dBi (provided by the applicant)
Voltage Range	DC 48V from adapter
Sample serial number	2JJ1-1 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Model: YLPS482000C Input: AC 100-240V~50/60Hz 1.5A Output: DC 48.0V, 2.0A 96.0W

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 Bay Area Compliance Laboratories Corp. (Shenzhen). 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		213.55 Hz(k=2, 95% level of confidence)
RF output power, conducted		0.72 dB(k=2, 95% level of confidence)
Unwanted Emission, conducted		1.75 dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz-150kHz	3.94dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.84dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz - 30MHz	3.30dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	4.48dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	4.55dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	4.85dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.05dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.35dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.44dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.16dB(k=2, 95% level of confidence)
Temperature		±1℃
Humidity		±1%
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 Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, 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. : 715558, the FCC Designation No. : CN5045.

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 802.11a/n20/n40/ac20/ac40/ac80/acax20/ax40/ax80 mode, the 802.11n20/n40 mode was reduce test as it identical to 802.11a20/ac40 mode

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/ac20 mode: channel 36, 40, 48 were tested;
For 802.11ac40 mode: channel 38, 46 were tested;
For 802.11ac80 mode, channel 42 was tested.

For 5250-5350MHz Band, 7 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
54	5270	62	5310
56	5280	64	5320
58	5290	/	/

For 802.11a/ac20 mode: channel 52, 56, 64 were tested;
For 802.11ac40 mode: channel 54, 62 were tested;
For 802.11ac80 mode, channel 58 was tested.

For 5470-5725MHz Band, 18 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	120	5600
102	5510	122	5610
104	5520	124	5620
106	5530	126	5630
108	5540	128	5640
110	5550	132	5660
112	5560	134	5670
116	5580	136	5680
118	5590	140	5700

For 802.11a/ac20 mode: channel 100, 116, 140 were tested;
For 802.11ac40 mode: channel 102, 110, 134 were tested;
For 802.11ac80 mode, channel 106, 122 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/ac20 mode: channel 149, 157, 165 were tested;
For 802.11ac40 mode: channel 151, 159 were tested;
For 802.11ac80 mode, channel 155 was tested.

EUT Exercise Software

"Authentic Tool _1.2.24.0"[#] software was used and power level as below. The software and power level was provided by the applicant. The device was tested with the worst case was performed as below:

Module YL43752

U-NII	Mode	Data rate	Power Level[#]		
			Low Channel	Middle Channel	High Channel
5150 – 5250MHz	802.11a	6Mbps	12	12	12
	802.11ac20	MCS0	11	11	11
	802.11ac40	MCS0	12	/	12
	802.11ac80	MCS0	/	13	/
	802.11ax 20	MCS0	12	12	12
	802.11ax 40	MCS0	11	/	11
	802.11ax80	MCS0	/	11	/
5250 – 5350MHz	802.11a	6Mbps	12	12	12
	802.11ac20	MCS0	12	12	12
	802.11ac40	MCS0	12	/	12
	802.11ac80	MCS0	/	12	/
	802.11ax20	MCS0	12	12	12
	802.11ax40	MCS0	11	/	11
	802.11ac80	MCS0	/	11	/
5470-725MHz	802.11a	6Mbps	11	11	11
	802.11ac20	MCS0	11	11	11
	802.11ac40	MCS0	12	12	12
	802.11ac80	MCS0	12	/	12
	802.11ax20	MCS0	11	11	11
	802.11ax40	MCS0	12	12	12
	802.11ax80	MCS0	12	/	12
5725-5850MHz	802.11a	6Mbps	14	14	14
	802.11ac20	MCS0	14	14	14
	802.11ac40	MCS0	13	/	13
	802.11ac80	MCS0	/	14	/
	802.11ax20	MCS0	14	14	14
	802.11ax40	MCS0	13	/	13
	802.11ax80	MCS0	/	14	/

EUT has two antennas and support SISO/MIMO transmit except for 802.11a mode which only support SISO. The MIMO mode was the worst case which select to test. All the antenna ports have the same power level.

Module YL43456

U-NII	Mode	Data rate	Power Level#		
			Low Channel	Middle Channel	High Channel
5150-5250MHz	802.11a	6Mbps	14	14	14
	802.11ac20	MCS0	14	14	14
	802.11ac40	MCS0	8	/	8
	802.11ac80	MCS0	/	6	/
5250-5350MHz	802.11a	6Mbps	16	16	16
	802.11ac20	MCS0	16	16	16
	802.11ac40	MCS0	12	/	12
	802.11ac80	MCS0	/	8	/
5470-5725MHz	802.11a	6Mbps	12	12	12
	802.11ac20	MCS0	12	12	12
	802.11ac40	MCS0	10	/	10
	802.11ac80	MCS0	8	/	8
5725-5850MHz	802.11a	6Mbps	16	16	16
	802.11ac20	MCS0	16	16	16
	802.11ac40	MCS0	16	/	16
	802.11ac80	MCS0	/	16	/

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

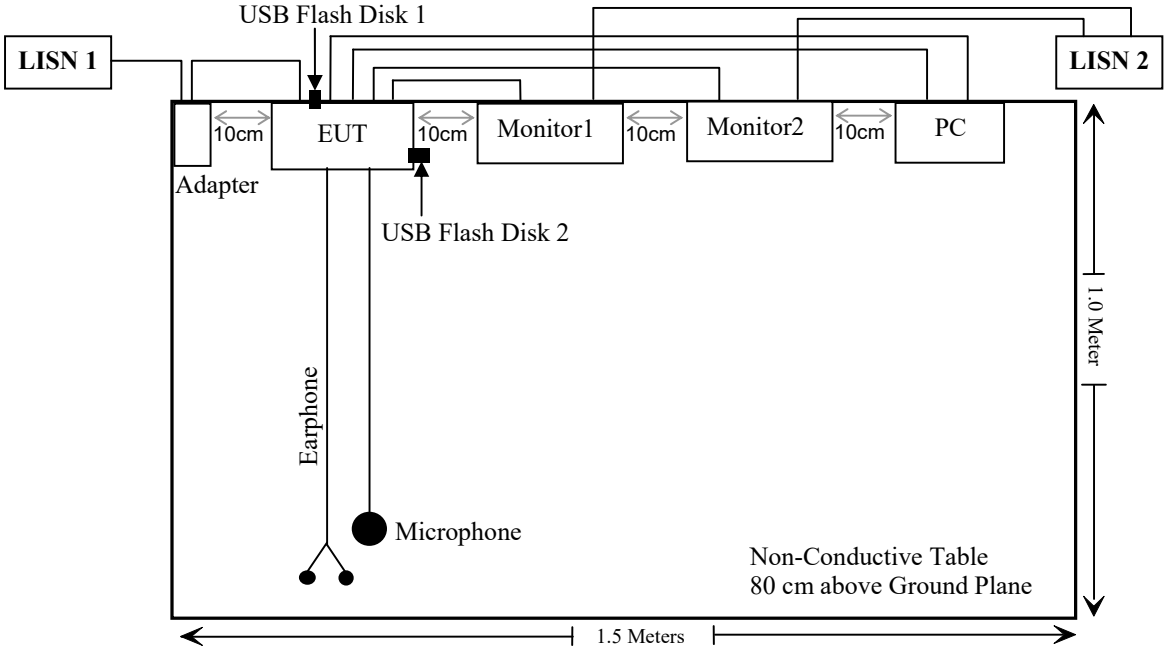
Manufacturer	Description	Model	Serial Number
DELL	PC	Latitude E5430	JG3NLV1
Unknown	Earphone	Unknown	Unknown
Yealink	Microphone	VCM35	803144F060100283
Redmi	Monitor1	24B1	QVGP3HA038953
Redmi	Monitor2	202TE6QB/93	UHBA1414013624
Kingston	USB Flash Disk 1	Unknown	Unknown
Kingston	USB Flash Disk 2	DT100G3(32G)	0622631

External I/O Cable

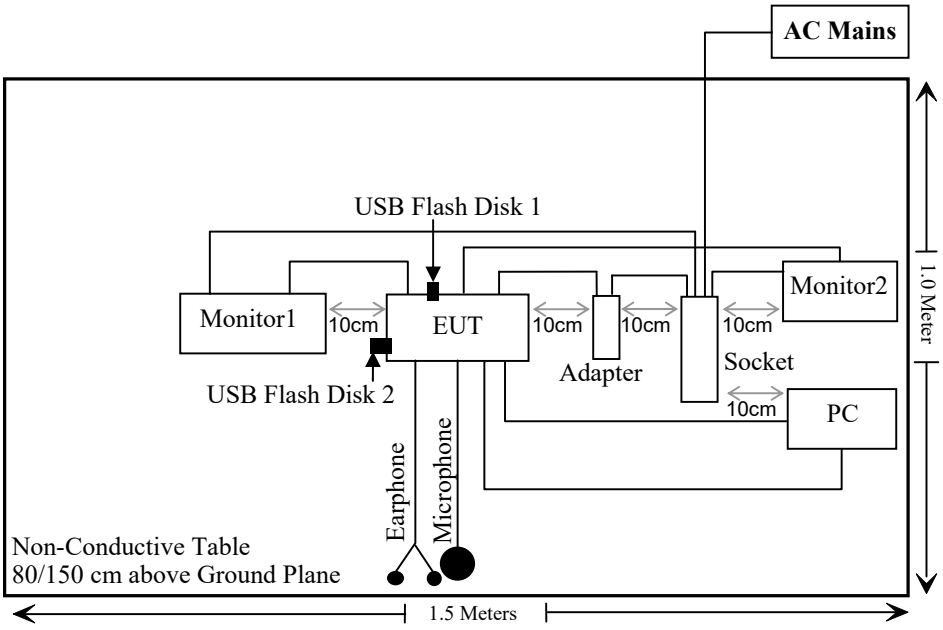
Cable Description	Length (m)	From Port	To
Un-shielded Un-Detachable AC Cable	1.5	AC Mains	Socket
Un-shielded Detachable AC Cable	1.5	Adapter	LISN1/Socket
Shielded Un-Detachable DC Cable	1.5	EUT_DC Port	Adapter
Un-shielded Detachable AC Cable*2	1.5	Monitor1/2	LISN2/Socket
Shielded Detachable HDMI Cable*2	1.5	EUT_HDMI1/2 Port	Monitor1/2
Unshielded Detachable USB Cable	2.5	EUT_USB Port	PC
Unshielded Detachable RJ45 Cable	2.5	EUT_ Internet Port	PC
Unshielded Detachable Audio Cable	1.0	EUT_ VCH Port	Microphone
Unshielded Detachable Audio Cable	1.2	EUT_ Line In/Out Port	Earphone

Block Diagram of Test Setup

For conducted emission



For Radiated Emissions:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result	Remark
§1.1307 (b) & §2.1091	MPE-Based Exemption	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	-	See Note 2
§15.407(a)	Conducted Transmitter Output Power	-	See Note 2
§15.407 (a)	Power Spectral Density	-	See Note 2
§15.407 (h)	Transmit Power Control (TPC)	Not Applicable	-
§15.407 (h)	Dynamic Frequency Selection (DFS)	Compliant*	-
-	Duty Cycle	-	See Note 2

Note 1:
Compliant*: Please refer to the DFS report 2401S35623-RFB.
Not Applicable: The supplier declared that the equipment has no this function.

Note 2:
1: The manufacturer declared two certified WLAN module installed in EUT, model YL43752 (FCC ID: T2C-YL43752) and model YL43456 (FCC ID: T2C-YL43456)
2: The test data are referred to the module report SZNS220511-19727E-RF-00 and FCC022022-06244RF2, the cross-reference of each test item and the data of reference module report as below:

Test item	Reference data of module report	
	SZNS220511-19727E-RF-00	FCC022022-06244RF2
26 dB Emission Bandwidth & 6dB Bandwidth	Page 150~212	Page 218~288
Conducted Transmitter Output Power	Page 213~217	Page 289~290
Power Spectral Density	Page 218~279	Page 291~322
Duty Cycle	Page 280~292	Page 15~18

3: The BACL is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/01/16	2025/01/15
Rohde & Schwarz	LISN	ENV216	101613	2024/01/16	2025/01/15
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2023/08/03	2024/08/02
Unknown	CE Cable	CE Cable	UF A210B-1-0720-504504	2023/08/03	2024/08/02
Audix	EMI Test software	E3	191218	NCR	NCR
Radiated Emissions Test					
R&S	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
Sonoma instrument	Pre-amplifier	310 N	186238	2023/06/08	2024/06/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2024/07/19
ETS	Passive Loop Antenna	6512	29604	2023/07/07	2024/07/06
Unknown	Cable	Chamber Cable 1	F-03-EM236	2023/08/03	2024/08/02
Unknown	Cable	Chamber Cable 4	EC-007	2023/08/03	2024/08/02
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2024/03/27	2025/03/26
COM-POWER	Pre-amplifier	PA-122	181919	2023/06/29	2024/06/28
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2024/07/25
Unknown	RF Cable	KMSE	0735	2023/10/08	2024/10/07
Unknown	RF Cable	UFA147	219661	2023/10/08	2024/10/07
SNSD	5G Band Reject filter	BSF5150-5850MN-0899-004	5G filter	2023/08/03	2024/08/02
A.H.System	Pre-amplifier	PAM-1840VH	190	2023/08/03	2024/08/02
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17
Audix	EMI Test software	E3	191218(V9)	NCR	NCR

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) 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) & §2.1091- MPE-BASED EXEMPTION

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power (ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] to support an exemptionfrom further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	1,920 R^2.
1.34-30	3,450 R^2/f^2.
30-300	3.83 R^2.
300-1,500	0.0128 R^2f.
1,500-100,000	19.2R^2.

Ris the minimum separation distance in meters
f = frequency in MHz

For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation:

$$\sum_{i=1}^{a} \frac{P_i}{P_{th,i}} + \sum_{j=1}^{b} \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^{c} \frac{Evaluated_k}{Exposure\ Limit_k} \leq 1$$

Result

For worst case:

For Module YL43752:

Mode	Frequency (MHz)	Tune up conducted power#	Antenna Gain#		ERP		Evaluation Distance (m)	ERP Limit (mW)
		(dBm)	(dBi)	(dBd)	(dBm)	(mW)		
BT	2402-2480	8.5	3.08	0.93	9.43	8.77	0.2	768
BLE	2402-2480	8.0	3.08	0.93	8.93	7.82	0.2	768
2.4G Wi-Fi	2412-2462	18.5	3.08	0.93	19.43	87.70	0.2	768
5G Wi-Fi	5180-5240	12.0	4.17	2.02	14.02	25.23	0.2	768
	5260-5280	13.0	4.17	2.02	15.02	31.77	0.2	768
	5500-5700	12.0	4.17	2.02	14.02	25.23	0.2	768
	5745-5825	14.5	4.17	2.02	16.52	44.87	0.2	768

For Module YL43456:

Mode	Frequency (MHz)	Maximum power#	Antenna Gain#		ERP		Evaluation Distance (m)	ERP Limit (mW)
		(dBm)	(dBi)	(dBd)	(dBm)	(mW)		
2.4G Wi-Fi	2412-2462	20.71	3.22	1.07	21.78	150.66	0.2	768
5G Wi-Fi	5150-5850	16.28	4.17	2.02	18.30	67.61	0.2	768

Note 1: The tune-up power was refer the module report
Note 2: The antenna gain was declared by the applicant.
Note 3: 0dBd=2.15dBi.

Simultaneous transmitting consideration:

According to applicant, the BT can transmit at the same time with the Wi-Fi, the 2.4G Wi-Fi and 5G Wi-Fi cannot transmit at same time, the two Wi-Fi module cannot transmit as same time.

For worst case:

The ratio= ERP_{BT}/limit+ $ERP_{Wi\text{-}Fi}$/limit= 8.77/768+ 87.70/768= 0.126＜1.0

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to 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.

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.

Antenna Connector Construction

The EUT has three internal antennas which were permanently attached, fulfill the requirement of this section. Please refer to the EUT photos.

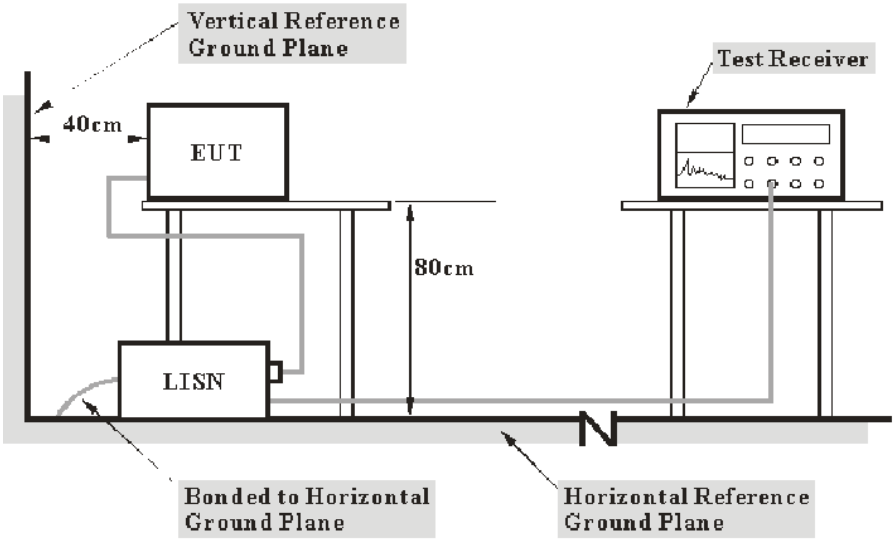
Result: Compliant

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.

Factor & Over Limit Calculation

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

Factor = LISN VDF + 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:

Over Limit = Level – Limit
Level = Read Level + Factor

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Test Data

Environmental Conditions

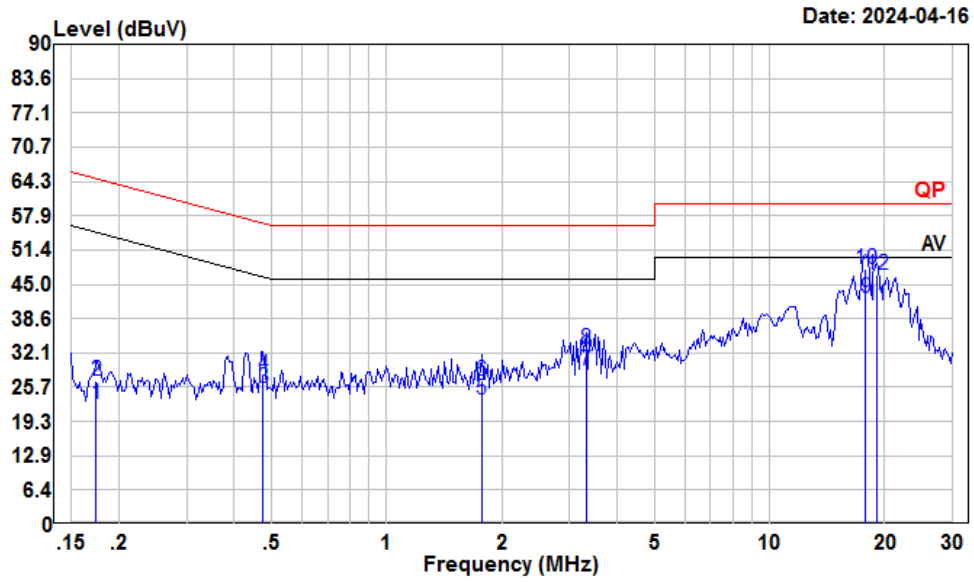
Temperature:	26 ℃
Relative Humidity:	66 %
ATM Pressure:	101.0 kPa

The testing was performed by Macy Shi on 2024-04-16.

EUT operation mode: Transmitting (maximum output power mode)

For Module YL43752

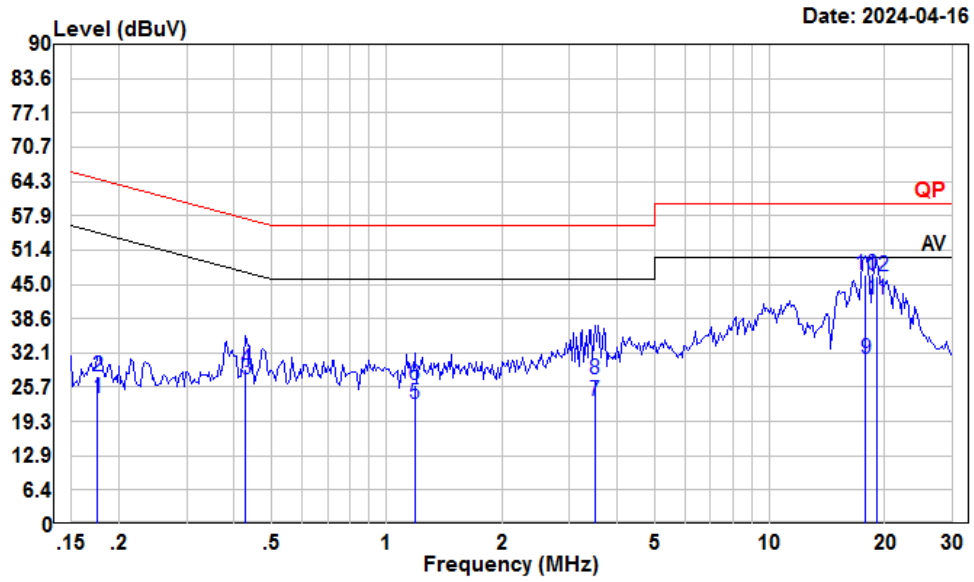
AC 120V/60 Hz, Line



Condition: Line
Project : 2401S35623-RF
Tester : Macy shi
Note : 5G WIFI

	Freq	Read Level	Level	Cable Loss	LISN Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.17	2.08	22.62	10.14	10.40	54.77	-32.15	Average
2	0.17	6.43	26.97	10.14	10.40	64.77	-37.80	QP
3	0.48	5.18	25.56	10.17	10.21	46.41	-20.85	Average
4	0.48	7.51	27.89	10.17	10.21	56.41	-28.52	QP
5	1.77	2.94	23.42	10.13	10.35	46.00	-22.58	Average
6	1.77	6.39	26.87	10.13	10.35	56.00	-29.13	QP
7	3.31	8.15	28.79	10.27	10.37	46.00	-17.21	Average
8	3.31	12.14	32.78	10.27	10.37	56.00	-23.22	QP
9	17.85	21.80	42.45	10.11	10.54	50.00	-7.55	Average
10	17.85	27.25	47.90	10.11	10.54	60.00	-12.10	QP
11	19.02	20.40	41.14	10.11	10.63	50.00	-8.86	Average
12	19.02	26.00	46.74	10.11	10.63	60.00	-13.26	QP

AC 120V/60 Hz, Neutral

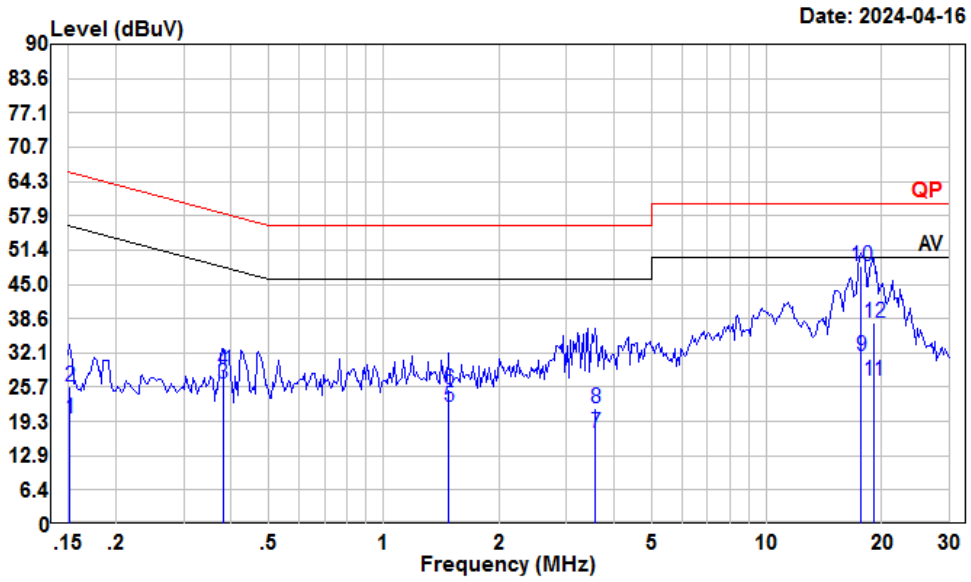


Condition: Neutral
Project : 2401S35623-RF
Tester : Macy shi
Note : 5G WIFI

	Freq	Read Level	Level	Cable Loss	LISN Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.18	3.08	23.64	10.14	10.42	54.68	-31.04	Average
2	0.18	7.26	27.82	10.14	10.42	64.68	-36.86	QP
3	0.43	6.19	27.16	10.20	10.77	47.29	-20.13	Average
4	0.43	8.11	29.08	10.20	10.77	57.29	-28.21	QP
5	1.18	2.30	22.61	10.06	10.25	46.00	-23.39	Average
6	1.18	5.88	26.19	10.06	10.25	56.00	-29.81	QP
7	3.49	2.48	23.09	10.27	10.34	46.00	-22.91	Average
8	3.49	6.52	27.13	10.27	10.34	56.00	-28.87	QP
9	17.85	10.55	30.94	10.11	10.28	50.00	-19.06	Average
10	17.85	26.52	46.91	10.11	10.28	60.00	-13.09	QP
11	19.02	21.70	42.04	10.11	10.23	50.00	-7.96	Average
12	19.02	26.20	46.54	10.11	10.23	60.00	-13.46	QP

For Module YL43456

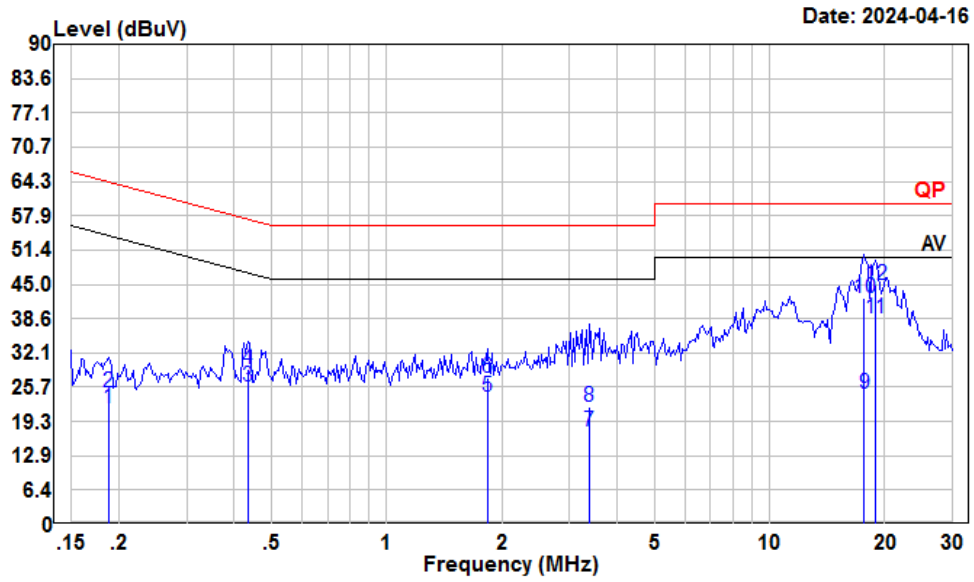
AC 120V/60 Hz, Line



Condition: Line
Project : 2401S35623-RF
Tester : Macy shi
Note : 5G WIFI

	Freq	Read Level	Level	Cable Loss	LISN Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.15	-0.68	19.87	10.15	10.40	55.91	-36.04	Average
2	0.15	5.22	25.77	10.15	10.40	65.91	-40.14	QP
3	0.38	5.79	26.25	10.20	10.26	48.25	-22.00	Average
4	0.38	8.51	28.97	10.20	10.26	58.25	-29.28	QP
5	1.48	1.64	22.13	10.06	10.43	46.00	-23.87	Average
6	1.48	4.85	25.34	10.06	10.43	56.00	-30.66	QP
7	3.57	-3.63	17.01	10.26	10.38	46.00	-28.99	Average
8	3.57	1.23	21.87	10.26	10.38	56.00	-34.13	QP
9	17.66	10.85	31.49	10.11	10.53	50.00	-18.51	Average
10	17.66	27.71	48.35	10.11	10.53	60.00	-11.65	QP
11	19.02	6.20	26.94	10.11	10.63	50.00	-23.06	Average
12	19.02	17.00	37.74	10.11	10.63	60.00	-22.26	QP

AC 120V/60 Hz, Neutral



Condition: Neutral
Project : 2401S35623-RF
Tester : Macy shi
Note : 5G WIFI

	Freq	Read Level	Level	Cable Loss	LISN Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.19	1.12	21.75	10.12	10.51	54.15	-32.40	Average
2	0.19	4.05	24.68	10.12	10.51	64.15	-39.47	QP
3	0.43	4.88	25.85	10.20	10.77	47.20	-21.35	Average
4	0.43	8.19	29.16	10.20	10.77	57.20	-28.04	QP
5	1.83	3.63	23.91	10.15	10.13	46.00	-22.09	Average
6	1.83	7.12	27.40	10.15	10.13	56.00	-28.60	QP
7	3.38	-3.22	17.38	10.27	10.33	46.00	-28.62	Average
8	3.38	1.50	22.10	10.27	10.33	56.00	-33.90	QP
9	17.66	4.01	24.41	10.11	10.29	50.00	-25.59	Average
10	17.66	22.16	42.56	10.11	10.29	60.00	-17.44	QP
11	18.82	18.40	38.75	10.11	10.24	50.00	-11.25	Average
12	18.82	24.40	44.75	10.11	10.24	60.00	-15.25	QP

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

Applicable Standard

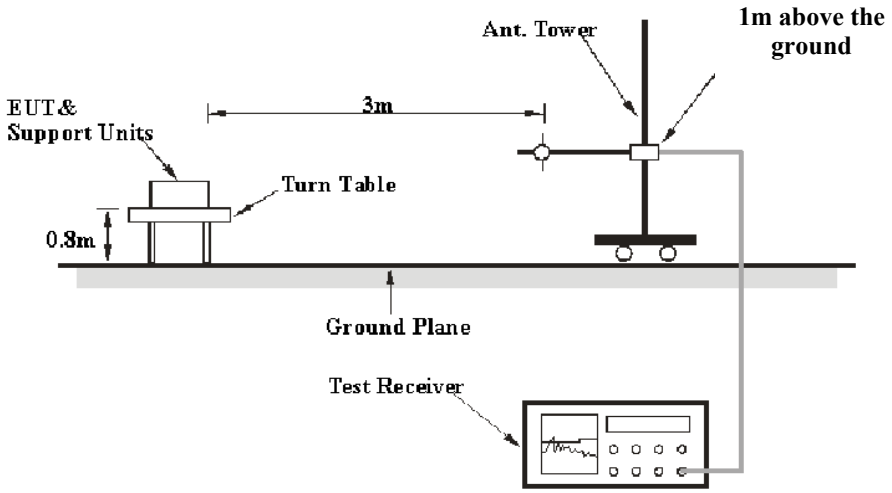
FCC §15.407 (b); §15.209; §15.205;

(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.

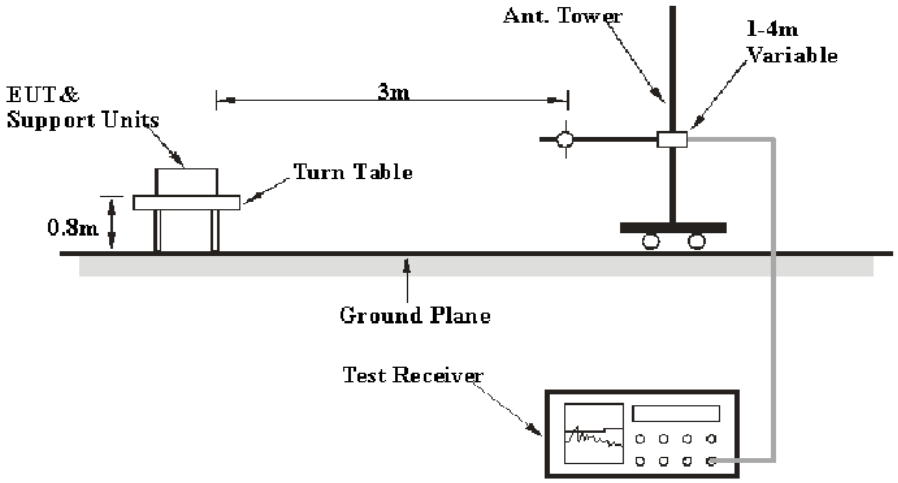
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

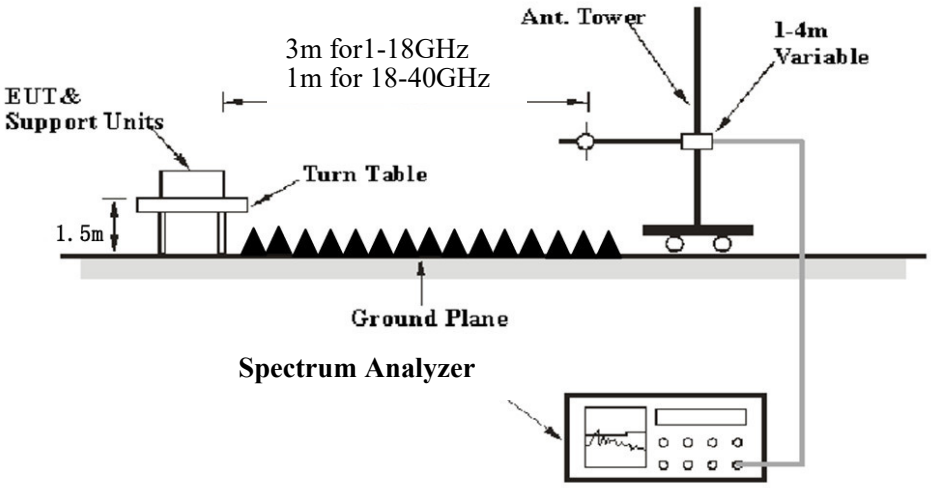
9 kHz-30MHz:



30MHz-1GHz:



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 9 kHz to 40 GHz.

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

9 kHz-1GHz:

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

1-40GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	10 Hz
	<98%	1MHz	≥1/Ton

Note: Ton is minimum transmission duration

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

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.

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

All emissions under the average limit and under the noise floor have not recorded in the report.

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;

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

where

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

So the extrapolation factor of 1m is 20*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 & Over Limit/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:

Factor = Antenna Factor + Cable Loss - 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:

Over Limit = Level – Limit; Margin = Limit–Corrected Amplitude
Level / Corrected Amplitude = Read Level + Factor

Test Data

Environmental Conditions

Temperature:	25~25.5 ℃
Relative Humidity:	50~54 %
ATM Pressure:	101.0 kPa

The testing was performed by Warren Huang on 2024-04-18 and 2024-04-19 for below 1GHz and Zenos Qiao on 2024-04-19 and 2024-04-24 for above 1GHz.

EUT operation mode: Transmitting

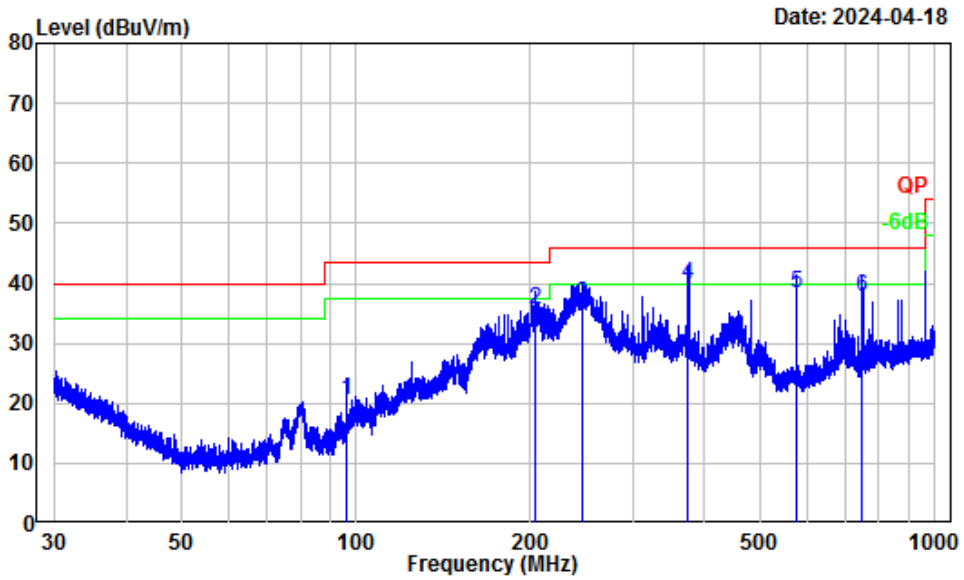
For Module YL43752

9 kHz-30MHz: *(maximum output power mode)*

The amplitude of spurious emissions attenuated more than 20 dB below the limit was not recorded.

30 MHz–1 GHz: *(maximum output power mode)*

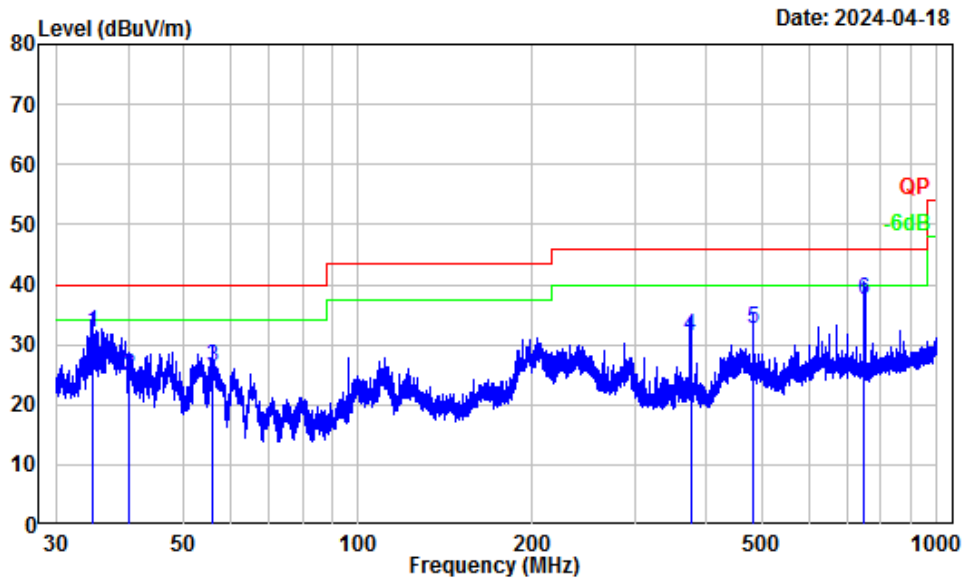
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number: 2401S35623-RF
Note : 5G WIFI
Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	96.01	-14.86	35.47	20.61	43.50	-22.89	QP
2	204.33	-11.10	46.73	35.63	43.50	-7.87	QP
3	245.74	-11.78	48.40	36.62	46.00	-9.38	QP
4	374.95	-8.61	48.54	39.93	46.00	-6.07	QP
5	576.14	-4.51	42.87	38.36	46.00	-7.64	QP
6	750.11	-1.67	39.56	37.89	46.00	-8.11	QP

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401S35623-RF
Note : 5G WIFI
Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.64	-8.55	40.40	31.85	40.00	-8.15	QP
2	40.10	-11.95	36.68	24.73	40.00	-15.27	QP
3	55.95	-17.54	43.69	26.15	40.00	-13.85	QP
4	375.12	-8.85	40.35	31.50	46.00	-14.50	QP
5	480.11	-5.60	38.18	32.58	46.00	-13.42	QP
6	750.11	-2.17	39.71	37.54	46.00	-8.46	QP

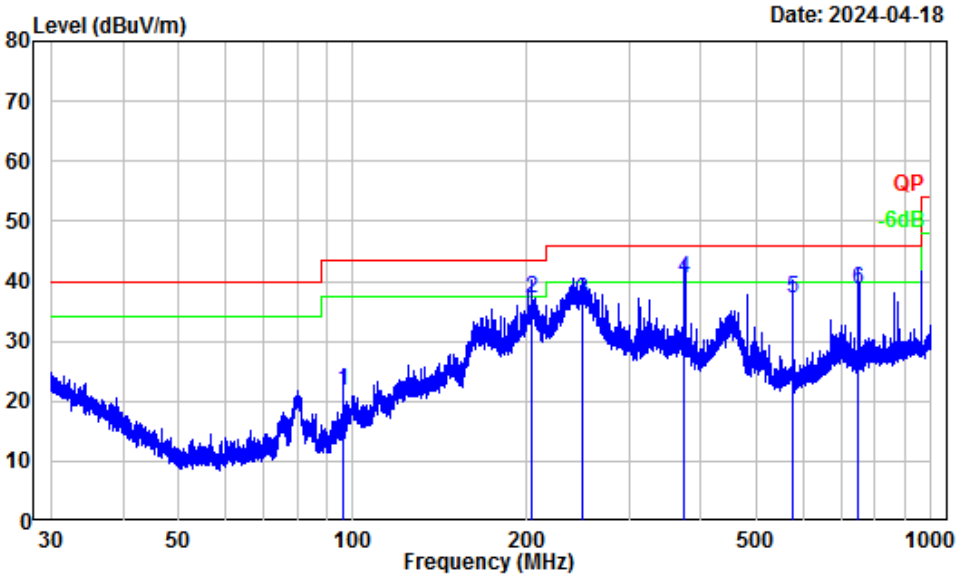
For Module YL43456

9 kHz-30MHz: *(maximum output power mode)*

The amplitude of spurious emissions attenuated more than 20 dB below the limit was not recorded.

30 MHz–1 GHz: *(maximum output power mode)*

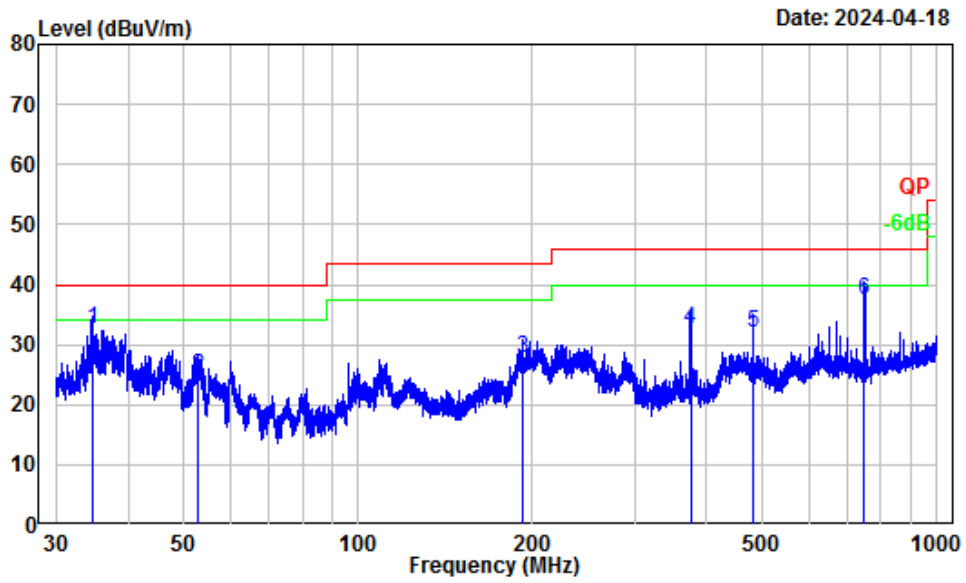
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number: 2401S35623-RF
Note : 5G WIFI
Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	95.97	-14.87	36.62	21.75	43.50	-21.75	QP
2	204.33	-11.10	48.19	37.09	43.50	-6.41	QP
3	250.30	-11.84	48.80	36.96	46.00	-9.04	QP
4	374.95	-8.61	49.10	40.49	46.00	-5.51	QP
5	576.14	-4.51	41.74	37.23	46.00	-8.77	QP
6	750.11	-1.67	40.44	38.77	46.00	-7.23	QP

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401S35623-RF
Note : 5G WIFI
Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.62	-8.54	41.11	32.57	40.00	-7.43	QP
2	52.83	-17.51	42.19	24.68	40.00	-15.32	QP
3	192.00	-12.77	40.44	27.67	43.50	-15.83	QP
4	375.12	-8.85	41.40	32.55	46.00	-13.45	QP
5	480.11	-5.60	37.69	32.09	46.00	-13.91	QP
6	750.11	-2.17	39.53	37.36	46.00	-8.64	QP

Above 1GHz:

For Module YL43752

5150-5250 MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a (ANT 1)							
5180MHz							
5149.92	62.25	PK	H	2.71	64.96	74	-9.04
5149.92	44.64	AV	H	2.71	47.35	54	-6.65
5148.91	64.11	PK	V	2.71	66.82	74	-7.18
5148.91	45.06	AV	V	2.71	47.77	54	-6.23
10360.00	45.57	PK	H	13.07	58.64	68.2	-9.56
10360.00	45.76	PK	V	13.07	58.83	68.2	-9.37
5200MHz							
10400.00	45.96	PK	H	13.12	59.08	68.2	-9.12
10400.00	46.18	PK	V	13.12	59.30	68.2	-8.90
5240MHz							
5458.21	55.24	PK	H	3.59	58.83	74	-15.17
5458.21	41.45	AV	H	3.59	45.04	54	-8.96
5455.78	55.52	PK	V	3.59	59.11	74	-14.89
5455.78	41.63	AV	V	3.59	45.22	54	-8.78
10480.00	46.44	PK	H	13.07	59.51	68.2	-8.69
10480.00	46.65	PK	V	13.07	59.72	68.2	-8.48
802.11a (ANT 2)							
5180MHz							
5149.55	56.45	PK	H	2.71	59.16	74	-14.84
5149.55	43.72	AV	H	2.71	46.43	54	-7.57
5149.24	56.87	PK	V	2.71	59.58	74	-14.42
5149.24	44.14	AV	V	2.71	46.85	54	-7.15
10360.00	45.35	PK	H	13.07	58.42	68.2	-9.78
10360.00	45.58	PK	V	13.07	58.65	68.2	-9.55
5200MHz							
10400.00	45.74	PK	H	13.12	58.86	68.2	-9.34
10400.00	45.96	PK	V	13.12	59.08	68.2	-9.12
5240MHz							
5459.92	54.96	PK	H	3.59	58.55	74	-15.45
5459.92	41.42	AV	H	3.59	45.01	54	-8.99
5450.68	55.25	PK	V	3.59	58.84	74	-15.16
5450.68	41.57	AV	V	3.59	45.16	54	-8.84
10480.00	46.19	PK	H	13.07	59.26	68.2	-8.94
10480.00	46.43	PK	V	13.07	59.50	68.2	-8.70

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac20							
5180MHz							
5149.16	66.58	PK	H	2.71	69.29	74	-4.71
5149.16	45.75	AV	H	2.71	48.46	54	-5.54
5149.53	68.21	PK	V	2.71	70.92	74	-3.08
5149.53	46.64	AV	V	2.71	49.35	54	-4.65
10360.00	45.68	PK	H	13.07	58.75	68.2	-9.45
10360.00	45.90	PK	V	13.07	58.97	68.2	-9.23
5200MHz							
10400.00	46.07	PK	H	13.12	59.19	68.2	-9.01
10400.00	46.32	PK	V	13.12	59.44	68.2	-8.76
5240MHz							
5408.64	55.56	PK	H	3.17	58.73	74	-15.27
5408.64	41.45	AV	H	3.17	44.62	54	-9.38
5421.71	55.88	PK	V	3.17	59.05	74	-14.95
5421.71	41.69	AV	V	3.17	44.86	54	-9.14
10480.00	46.54	PK	H	13.07	59.61	68.2	-8.59
10480.00	46.79	PK	V	13.07	59.86	68.2	-8.34
802.11ac40							
5190MHz							
5149.08	58.24	PK	H	2.71	60.95	74	-13.05
5149.08	45.06	AV	H	2.71	47.77	54	-6.23
5149.45	58.69	PK	V	2.71	61.40	74	-12.60
5149.45	45.58	AV	V	2.71	48.29	54	-5.71
10380.00	45.24	PK	H	13.09	58.33	68.2	-9.87
10380.00	45.47	PK	V	13.09	58.56	68.2	-9.64
5230MHz							
5356.72	55.64	PK	H	3.07	58.71	74	-15.29
5356.72	42.23	AV	H	3.07	45.30	54	-8.70
5353.89	55.97	PK	V	3.07	59.04	74	-14.96
5353.89	42.38	AV	V	3.07	45.45	54	-8.55
10460.00	45.89	PK	H	13.09	58.98	68.2	-9.22
10460.00	46.12	PK	V	13.09	59.21	68.2	-8.99

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac80							
5210MHz							
5148.99	58.56	PK	H	2.71	61.27	74	-12.73
5148.99	47.18	AV	H	2.71	49.89	54	-4.11
5149.26	59.37	PK	V	2.71	62.08	74	-11.92
5149.26	47.72	AV	V	2.71	50.43	54	-3.57
5355.52	55.67	PK	H	3.07	58.74	74	-15.26
5355.52	42.96	AV	H	3.07	46.03	54	-7.97
5351.63	56.09	PK	V	3.07	59.16	74	-14.84
5351.63	43.42	AV	V	3.07	46.49	54	-7.51
10420.00	45.65	PK	H	13.12	58.77	68.2	-9.43
10420.00	45.86	PK	V	13.12	58.98	68.2	-9.22

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax20							
5180MHz							
5149.25	59.69	PK	H	2.71	62.40	74	-11.60
5149.25	46.75	AV	H	2.71	49.46	54	-4.54
5149.42	60.84	PK	V	2.71	63.55	74	-10.45
5149.42	47.23	AV	V	2.71	49.94	54	-4.06
10360.00	45.43	PK	H	13.07	58.50	68.2	-9.70
10360.00	45.69	PK	V	13.07	58.76	68.2	-9.44
5200MHz							
10400.00	45.84	PK	H	13.12	58.96	68.2	-9.24
10400.00	46.08	PK	V	13.12	59.20	68.2	-9.00
5240MHz							
5358.86	55.39	PK	H	3.07	58.46	74	-15.54
5358.86	41.62	AV	H	3.07	44.69	54	-9.31
5356.27	55.75	PK	V	3.07	58.82	74	-15.18
5356.27	41.87	AV	V	3.07	44.94	54	-9.06
10480.00	46.36	PK	H	13.07	59.43	68.2	-8.77
10480.00	46.57	PK	V	13.07	59.64	68.2	-8.56
802.11ax40							
5190MHz							
5149.36	59.38	PK	H	2.71	62.09	74	-11.91
5149.36	47.54	AV	H	2.71	50.25	54	-3.75
5149.53	60.45	PK	V	2.71	63.16	74	-10.84
5149.53	48.07	AV	V	2.71	50.78	54	-3.22
10380.00	45.14	PK	H	13.09	58.23	68.2	-9.97
10380.00	45.33	PK	V	13.09	58.42	68.2	-9.78
5230MHz							
5394.97	55.17	PK	H	3.07	58.24	74	-15.76
5394.97	42.24	AV	H	3.07	45.31	54	-8.69
5386.38	55.45	PK	V	3.07	58.52	74	-15.48
5386.38	42.51	AV	V	3.07	45.58	54	-8.42
10460.00	45.85	PK	H	13.09	58.94	68.2	-9.26
10460.00	46.08	PK	V	13.09	59.17	68.2	-9.03

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax80							
5210MHz							
5149.53	58.87	PK	H	2.71	61.58	74	-12.42
5149.53	47.45	AV	H	2.71	50.16	54	-3.84
5149.32	59.96	PK	V	2.71	62.67	74	-11.33
5149.32	48.29	AV	V	2.71	51.00	54	-3.00
5369.57	55.32	PK	H	3.07	58.39	74	-15.61
5369.57	43.01	AV	H	3.07	46.08	54	-7.92
5372.84	55.56	PK	V	3.07	58.63	74	-15.37
5372.84	43.25	AV	V	3.07	46.32	54	-7.68
10420.00	45.38	PK	H	13.12	58.50	68.2	-9.70
10420.00	45.61	PK	V	13.12	58.73	68.2	-9.47

5250-5350MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a (ANT 1)							
5260MHz							
5147.48	55.79	PK	H	2.71	58.50	74	-15.50
5147.48	42.65	AV	H	2.71	45.36	54	-8.64
5148.69	56.08	PK	V	2.71	58.79	74	-15.21
5148.69	42.94	AV	V	2.71	45.65	54	-8.35
10520.00	45.87	PK	H	13.05	58.92	68.2	-9.28
10520.00	46.12	PK	V	13.05	59.17	68.2	-9.03
5280MHz							
10560.00	46.28	PK	H	13.02	59.30	68.2	-8.90
10560.00	46.52	PK	V	13.02	59.54	68.2	-8.66
5320MHz							
5350.72	61.79	PK	H	3.07	64.86	74	-9.14
5350.72	45.52	AV	H	3.07	48.59	54	-5.41
5350.53	62.94	PK	V	3.07	66.01	74	-7.99
5350.53	46.03	AV	V	3.07	49.10	54	-4.90
10640.00	46.64	PK	H	13.19	59.83	74	-14.17
10640.00	32.18	AV	H	13.19	45.37	54	-8.63
10640.00	46.91	PK	V	13.19	60.10	74	-13.90
10640.00	32.39	AV	V	13.19	45.58	54	-8.42
802.11a (ANT 2)							
5260MHz							
4945.78	55.38	PK	H	1.79	57.17	74	-16.83
4945.78	42.21	AV	H	1.79	44.00	54	-10.00
4898.05	55.64	PK	V	1.79	57.43	74	-16.57
4898.05	42.49	AV	V	1.79	44.28	54	-9.72
10520.00	45.69	PK	H	13.05	58.74	68.2	-9.46
10520.00	45.95	PK	V	13.05	59.00	68.2	-9.20
5280MHz							
10560.00	46.07	PK	H	13.02	59.09	68.2	-9.11
10560.00	46.31	PK	V	13.02	59.33	68.2	-8.87
5320MHz							
5350.98	55.69	PK	H	3.07	58.76	74	-15.24
5350.98	43.04	AV	H	3.07	46.11	54	-7.89
5351.35	56.05	PK	V	3.07	59.12	74	-14.88
5351.35	43.27	AV	V	3.07	46.34	54	-7.66
10640.00	46.53	PK	H	13.19	59.72	74	-14.28
10640.00	32.06	AV	H	13.19	45.25	54	-8.75
10640.00	46.72	PK	V	13.19	59.91	74	-14.09
10640.00	32.25	AV	V	13.19	45.44	54	-8.56

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac20							
5260MHz							
5149.32	56.14	PK	H	2.71	58.85	74	-15.15
5149.32	44.45	AV	H	2.71	47.16	54	-6.84
5148.65	56.39	PK	V	2.71	59.10	74	-14.90
5148.65	44.76	AV	V	2.71	47.47	54	-6.53
10520.00	45.64	PK	H	13.05	58.69	68.2	-9.51
10520.00	45.87	PK	V	13.05	58.92	68.2	-9.28
5280MHz							
10560.00	45.96	PK	H	13.02	58.98	68.2	-9.22
10560.00	46.19	PK	V	13.02	59.21	68.2	-8.99
5320MHz							
5350.87	65.89	PK	H	3.07	68.96	74	-5.04
5350.87	45.68	AV	H	3.07	48.75	54	-5.25
5350.54	67.36	PK	V	3.07	70.43	74	-3.57
5350.54	46.43	AV	V	3.07	49.50	54	-4.50
10640.00	46.45	PK	H	13.19	59.64	74	-14.36
10640.00	32.03	AV	H	13.19	45.22	54	-8.78
10640.00	46.58	PK	V	13.19	59.77	74	-14.23
10640.00	32.17	AV	V	13.19	45.36	54	-8.64
802.11ac40							
5270MHz							
4924.89	55.25	PK	H	1.79	57.04	74	-16.96
4924.89	43.84	AV	H	1.79	45.63	54	-8.37
4833.48	55.57	PK	V	1.69	57.26	74	-16.74
4833.48	44.43	AV	V	1.69	46.12	54	-7.88
10540.00	45.75	PK	H	13.03	58.78	68.2	-9.42
10540.00	45.96	PK	V	13.03	58.99	68.2	-9.21
5310MHz							
5354.39	57.48	PK	H	3.07	60.55	74	-13.45
5354.39	45.24	AV	H	3.07	48.31	54	-5.69
5353.42	58.66	PK	V	3.07	61.73	74	-12.27
5353.42	45.81	AV	V	3.07	48.88	54	-5.12
10620.00	46.19	PK	H	13.09	59.28	74	-14.72
10620.00	32.31	AV	H	13.09	45.40	54	-8.60
10620.00	46.47	PK	V	13.09	59.56	74	-14.44
10620.00	32.48	AV	V	13.09	45.57	54	-8.43

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac80							
5290MHz							
4753.51	55.08	PK	H	1.49	56.57	74	-17.43
4753.51	43.65	AV	H	1.49	45.14	54	-8.86
4868.64	55.36	PK	V	1.69	57.05	74	-16.95
4868.64	44.27	AV	V	1.69	45.96	54	-8.04
5350.63	58.47	PK	H	3.07	61.54	74	-12.46
5350.63	45.82	AV	H	3.07	48.89	54	-5.11
5350.40	59.58	PK	V	3.07	62.65	74	-11.35
5350.40	46.69	AV	V	3.07	49.76	54	-4.24
10580.00	45.91	PK	H	13.00	58.91	68.2	-9.29
10580.00	46.14	PK	V	13.00	59.14	68.2	-9.06

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax20							
5260MHz							
4942.54	55.56	PK	H	1.79	57.35	74	-16.65
4942.54	43.67	AV	H	1.79	45.46	54	-8.54
4938.87	55.89	PK	V	1.79	57.68	74	-16.32
4938.87	44.18	AV	V	1.79	45.97	54	-8.03
10520.00	45.88	PK	H	13.05	58.93	68.2	-9.27
10520.00	46.05	PK	V	13.05	59.10	68.2	-9.10
5280MHz							
10560.00	46.19	PK	H	13.02	59.21	68.2	-8.99
10560.00	46.42	PK	V	13.02	59.44	68.2	-8.76
5320MHz							
5350.95	62.63	PK	H	3.07	65.70	74	-8.30
5350.95	45.49	AV	H	3.07	48.56	54	-5.44
5350.78	64.04	PK	V	3.07	67.11	74	-6.89
5350.78	46.18	AV	V	3.07	49.25	54	-4.75
10640.00	46.54	PK	H	13.19	59.73	74	-14.27
10640.00	32.11	AV	H	13.19	45.30	54	-8.70
10640.00	46.73	PK	V	13.19	59.92	74	-14.08
10640.00	32.32	AV	V	13.19	45.51	54	-8.49
802.11ax40							
5270MHz							
4867.91	55.38	PK	H	1.69	57.07	74	-16.93
4867.91	43.94	AV	H	1.69	45.63	54	-8.37
4822.18	55.63	PK	V	1.69	57.32	74	-16.68
4822.18	44.45	AV	V	1.69	46.14	54	-7.86
10540.00	45.78	PK	H	13.03	58.81	68.2	-9.39
10540.00	45.97	PK	V	13.03	59.00	68.2	-9.20
5310MHz							
5350.89	62.72	PK	H	3.07	65.79	74	-8.21
5350.89	47.19	AV	H	3.07	50.26	54	-3.74
5350.56	64.25	PK	V	3.07	67.32	74	-6.68
5350.56	47.86	AV	V	3.07	50.93	54	-3.07
10620.00	46.36	PK	H	13.09	59.45	74	-14.55
10620.00	32.43	AV	H	13.09	45.52	54	-8.48
10620.00	46.59	PK	V	13.09	59.68	74	-14.32
10620.00	32.64	AV	V	13.09	45.73	54	-8.27

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac80							
5290MHz							
4907.87	56.08	PK	H	1.79	57.87	74	-16.13
4907.87	45.22	AV	H	1.79	47.01	54	-6.99
4936.66	56.45	PK	V	1.79	58.24	74	-15.76
4936.66	45.69	AV	V	1.79	47.48	54	-6.52
5350.45	62.54	PK	H	3.07	65.61	74	-8.39
5350.45	47.21	AV	H	3.07	50.28	54	-3.72
5350.88	64.39	PK	V	3.07	67.46	74	-6.54
5350.88	47.93	AV	V	3.07	51.00	54	-3.00
10580.00	45.63	PK	H	13.00	58.63	68.2	-9.57
10580.00	45.87	PK	V	13.00	58.87	68.2	-9.33

5470-5725MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a (ANT 1)							
5500MHz							
5468.03	57.86	PK	H	3.59	61.45	68.2	-6.75
5469.14	58.55	PK	V	3.69	62.24	68.2	-5.96
11000.00	45.47	PK	H	13.98	59.45	74	-14.55
11000.00	30.86	AV	H	13.98	44.84	54	-9.16
11000.00	45.62	PK	V	13.98	59.60	74	-14.40
11000.00	31.04	AV	V	13.98	45.02	54	-8.98
5580MHz							
11160.00	45.78	PK	H	13.62	59.40	74	-14.60
11160.00	31.32	AV	H	13.62	44.94	54	-9.06
11160.00	46.01	PK	V	13.62	59.63	74	-14.37
11160.00	31.56	AV	V	13.62	45.18	54	-8.82
5700MHz							
5725.75	58.72	PK	H	4.09	62.81	68.2	-5.39
5726.32	59.61	PK	V	4.09	63.70	68.2	-4.50
11400.00	46.19	PK	H	14.08	60.27	74	-13.73
11400.00	31.87	AV	H	14.08	45.95	54	-8.05
11400.00	46.45	PK	V	14.08	60.53	74	-13.47
11400.00	32.08	AV	V	14.08	46.16	54	-7.84
802.11a (ANT 2)							
5500MHz							
5463.96	55.84	PK	H	3.59	59.43	68.2	-8.77
5463.57	56.25	PK	V	3.59	59.84	68.2	-8.36
11000.00	45.35	PK	H	13.98	59.33	74	-14.67
11000.00	30.81	AV	H	13.98	44.79	54	-9.21
11000.00	45.57	PK	V	13.98	59.55	74	-14.45
11000.00	30.99	AV	V	13.98	44.97	54	-9.03
5580MHz							
11160.00	45.64	PK	H	13.62	59.26	74	-14.74
11160.00	31.25	AV	H	13.62	44.87	54	-9.13
11160.00	45.83	PK	V	13.62	59.45	74	-14.55
11160.00	31.42	AV	V	13.62	45.04	54	-8.96
5700MHz							
5737.29	56.28	PK	H	4.19	60.47	68.2	-7.73
5740.84	56.73	PK	V	4.19	60.92	68.2	-7.28
11400.00	46.13	PK	H	14.08	60.21	74	-13.79
11400.00	32.02	AV	H	14.08	46.10	54	-7.90
11400.00	46.34	PK	V	14.08	60.42	74	-13.58
11400.00	32.21	AV	V	14.08	46.29	54	-7.71

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac20							
5500MHz							
5467.45	60.86	PK	H	3.59	64.45	68.2	-3.75
5469.34	61.43	PK	V	3.69	65.12	68.2	-3.08
11000.00	45.40	PK	H	13.98	59.38	74	-14.62
11000.00	31.01	AV	H	13.98	44.99	54	-9.01
11000.00	45.62	PK	V	13.98	59.60	74	-14.40
11000.00	31.19	AV	V	13.98	45.17	54	-8.83
5580MHz							
11160.00	45.83	PK	H	13.62	59.45	74	-14.55
11160.00	31.45	AV	H	13.62	45.07	54	-8.93
11160.00	46.01	PK	V	13.62	59.63	74	-14.37
11160.00	31.64	AV	V	13.62	45.26	54	-8.74
5700MHz							
5725.87	60.18	PK	H	4.09	64.27	68.2	-3.93
5726.52	60.87	PK	V	4.09	64.96	68.2	-3.24
11400.00	46.25	PK	H	14.08	60.33	74	-13.67
11400.00	31.92	AV	H	14.08	46.00	54	-8.00
11400.00	46.44	PK	V	14.08	60.52	74	-13.48
11400.00	32.08	AV	V	14.08	46.16	54	-7.84

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5510MHz							
5468.09	60.57	PK	H	3.59	64.16	68.2	-4.04
5469.94	61.32	PK	V	3.69	65.01	68.2	-3.19
11020.00	45.33	PK	H	13.89	59.22	74	-14.78
11020.00	31.24	AV	H	13.89	45.13	54	-8.87
11020.00	45.56	PK	V	13.89	59.45	74	-14.55
11020.00	31.45	AV	V	13.89	45.34	54	-8.66
5550MHz							
11100.00	45.89	PK	H	13.53	59.42	74	-14.58
11100.00	31.68	AV	H	13.53	45.21	54	-8.79
11100.00	46.12	PK	V	13.53	59.65	74	-14.35
11100.00	31.93	AV	V	13.53	45.46	54	-8.54
5670MHz							
5726.36	57.91	PK	H	4.09	62.00	68.2	-6.20
5725.87	58.36	PK	V	4.09	62.45	68.2	-5.75
11340.00	46.42	PK	H	13.99	60.41	74	-13.59
11340.00	32.17	AV	H	13.99	46.16	54	-7.84
11340.00	46.61	PK	V	13.99	60.60	74	-13.40
11340.00	32.38	AV	V	13.99	46.37	54	-7.63
802.11ac80							
5530MHz							
5466.78	60.98	PK	H	3.59	64.57	68.2	-3.63
5466.51	61.56	PK	V	3.59	65.15	68.2	-3.05
11060.00	45.27	PK	H	13.71	58.98	74	-15.02
11060.00	32.36	AV	H	13.71	46.07	54	-7.93
11060.00	45.45	PK	V	13.71	59.16	74	-14.84
11060.00	32.59	AV	V	13.71	46.30	54	-7.70
5610MHz							
5737.96	56.32	PK	H	4.19	60.51	68.2	-7.69
5732.43	56.81	PK	V	4.19	61.00	68.2	-7.20
11220.00	45.65	PK	H	13.73	59.38	74	-14.62
11220.00	32.57	AV	H	13.73	46.30	54	-7.70
11220.00	45.84	PK	V	13.73	59.57	74	-14.43
11220.00	32.78	AV	V	13.73	46.51	54	-7.49

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax20							
5500MHz							
5469.54	61.02	PK	H	3.69	64.71	68.2	-3.49
5469.87	61.51	PK	V	3.69	65.20	68.2	-3.00
11000.00	45.50	PK	H	13.98	59.48	74	-14.52
11000.00	30.93	AV	H	13.98	44.91	54	-9.09
11000.00	45.68	PK	V	13.98	59.66	74	-14.34
11000.00	31.12	AV	V	13.98	45.10	54	-8.90
5580MHz							
11160.00	45.96	PK	H	13.62	59.58	74	-14.42
11160.00	31.45	AV	H	13.62	45.07	54	-8.93
11160.00	46.17	PK	V	13.62	59.79	74	-14.21
11160.00	31.64	AV	V	13.62	45.26	54	-8.74
5700MHz							
5725.72	60.47	PK	H	4.09	64.56	68.2	-3.64
5725.25	61.08	PK	V	4.09	65.17	68.2	-3.03
11400.00	46.51	PK	H	14.08	60.59	74	-13.41
11400.00	32.13	AV	H	14.08	46.21	54	-7.79
11400.00	46.72	PK	V	14.08	60.80	74	-13.20
11400.00	32.29	AV	V	14.08	46.37	54	-7.63

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax40							
5510MHz							
5468.54	61.08	PK	H	3.69	64.77	68.2	-3.43
5468.05	61.61	PK	V	3.59	65.20	68.2	-3.00
11020.00	44.85	PK	H	13.89	58.74	74	-15.26
11020.00	30.93	AV	H	13.89	44.82	54	-9.18
11020.00	45.07	PK	V	13.89	58.96	74	-15.04
11020.00	31.12	AV	V	13.89	45.01	54	-8.99
5550MHz							
11100.00	45.37	PK	H	13.53	58.90	74	-15.10
11100.00	31.44	AV	H	13.53	44.97	54	-9.03
11100.00	45.58	PK	V	13.53	59.11	74	-14.89
11100.00	31.63	AV	V	13.53	45.16	54	-8.84
5670MHz							
5725.97	59.84	PK	H	4.09	63.93	68.2	-4.27
5726.34	60.49	PK	V	4.09	64.58	68.2	-3.62
11340.00	45.94	PK	H	13.99	59.93	74	-14.07
11340.00	32.08	AV	H	13.99	46.07	54	-7.93
11340.00	46.16	PK	V	13.99	60.15	74	-13.85
11340.00	32.29	AV	V	13.99	46.28	54	-7.72
802.11ax80							
5530MHz							
5468.88	60.95	PK	H	3.69	64.64	68.2	-3.56
5469.47	61.48	PK	V	3.69	65.17	68.2	-3.03
11060.00	45.34	PK	H	13.71	59.05	74	-14.95
11060.00	32.57	AV	H	13.71	46.28	54	-7.72
11060.00	45.59	PK	V	13.71	59.30	74	-14.70
11060.00	32.75	AV	V	13.71	46.46	54	-7.54
5610MHz							
5737.39	55.73	PK	H	4.19	59.92	68.2	-8.28
5736.54	56.16	PK	V	4.19	60.35	68.2	-7.85
11220.00	45.63	PK	H	13.73	59.36	74	-14.64
11220.00	32.72	AV	H	13.73	46.45	54	-7.55
11220.00	45.84	PK	V	13.73	59.57	74	-14.43
11220.00	32.91	AV	V	13.73	46.64	54	-7.36

5725-5850 MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a (ANT 1)							
5745MHz							
5645.32	56.18	PK	H	3.59	59.77	68.20	-8.43
5699.27	75.36	PK	H	3.79	79.15	105.20	-26.05
5718.84	84.57	PK	H	4.09	88.66	110.80	-22.14
5724.38	89.45	PK	H	4.09	93.54	122.20	-28.66
5643.09	56.43	PK	V	3.59	60.02	68.20	-8.18
5698.52	77.16	PK	V	3.79	80.95	105.20	-24.25
5719.75	86.92	PK	V	4.09	91.01	110.80	-19.79
5723.69	91.87	PK	V	4.09	95.96	122.20	-26.24
11490.00	45.15	PK	H	14.31	59.46	74	-14.54
11490.00	30.46	AV	H	14.31	44.77	54	-9.23
11490.00	45.39	PK	V	14.31	59.70	74	-14.30
11490.00	30.67	AV	V	14.31	44.98	54	-9.02
5785MHz							
11570.00	45.48	PK	H	14.05	59.53	74	-14.47
11570.00	30.95	AV	H	14.05	45.00	54	-9.00
11570.00	45.72	PK	V	14.05	59.77	74	-14.23
11570.00	31.16	AV	V	14.05	45.21	54	-8.79
5825MHz							
5851.24	83.94	PK	H	4.09	88.03	122.20	-34.17
5856.87	80.21	PK	H	4.09	84.30	110.80	-26.50
5880.48	71.68	PK	H	4.19	75.87	105.20	-29.33
5927.53	59.39	PK	H	4.69	64.08	68.20	-4.12
5850.61	85.58	PK	V	4.09	89.67	122.20	-32.53
5855.52	81.67	PK	V	4.09	85.76	110.80	-25.04
5875.19	73.96	PK	V	4.19	78.15	105.20	-27.05
5926.85	60.28	PK	V	4.69	64.97	68.20	-3.23
11650.00	45.86	PK	H	13.83	59.69	74	-14.31
11650.00	31.57	AV	H	13.83	45.40	54	-8.60
11650.00	46.11	PK	V	13.83	59.94	74	-14.06
11650.00	31.78	AV	V	13.83	45.61	54	-8.39

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11a (ANT 2)							
5745MHz							
5648.57	55.95	PK	H	3.59	59.54	68.20	-8.66
5697.94	60.37	PK	H	3.79	64.16	105.20	-41.04
5719.63	68.14	PK	H	4.09	72.23	110.80	-38.57
5724.89	72.48	PK	H	4.09	76.57	122.20	-45.63
5639.45	56.19	PK	V	3.59	59.78	68.20	-8.42
5699.64	62.54	PK	V	3.79	66.33	105.20	-38.87
5718.91	70.25	PK	V	4.09	74.34	110.80	-36.46
5724.12	74.87	PK	V	4.09	78.96	122.20	-43.24
11490.00	44.78	PK	H	14.31	59.09	74	-14.91
11490.00	30.56	AV	H	14.31	44.87	54	-9.13
11490.00	44.95	PK	V	14.31	59.26	74	-14.74
11490.00	30.62	AV	V	14.31	44.93	54	-9.07
5785MHz							
11570.00	45.19	PK	H	14.05	59.24	74	-14.76
11570.00	30.98	AV	H	14.05	45.03	54	-8.97
11570.00	45.37	PK	V	14.05	59.42	74	-14.58
11570.00	31.14	AV	V	14.05	45.19	54	-8.81
5825MHz							
5851.26	62.42	PK	H	4.09	66.51	122.20	-55.69
5855.65	60.88	PK	H	4.09	64.97	110.80	-45.83
5876.72	57.31	PK	H	4.19	61.50	105.20	-43.70
5934.84	55.69	PK	H	4.69	60.38	68.20	-7.82
5850.86	64.53	PK	V	4.09	68.62	122.20	-53.58
5856.91	62.12	PK	V	4.09	66.21	110.80	-44.59
5875.57	58.47	PK	V	4.19	62.66	105.20	-42.54
5927.39	55.96	PK	V	4.69	60.65	68.20	-7.55
11650.00	45.64	PK	H	13.83	59.47	74	-14.53
11650.00	31.42	AV	H	13.83	45.25	54	-8.75
11650.00	45.83	PK	V	13.83	59.66	74	-14.34
11650.00	31.57	AV	V	13.83	45.40	54	-8.60

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac20							
5745MHz							
5648.67	58.96	PK	H	3.59	62.55	68.20	-5.65
5699.32	73.69	PK	H	3.79	77.48	105.20	-27.72
5718.78	85.57	PK	H	4.09	89.66	110.80	-21.14
5724.45	88.48	PK	H	4.09	92.57	122.20	-29.63
5646.06	59.32	PK	V	3.59	62.91	68.20	-5.29
5699.95	75.23	PK	V	3.79	79.02	105.20	-26.18
5719.83	87.41	PK	V	4.09	91.50	110.80	-19.30
5723.54	90.95	PK	V	4.09	95.04	122.20	-27.16
11490.00	44.86	PK	H	14.31	59.17	74	-14.83
11490.00	30.52	AV	H	14.31	44.83	54	-9.17
11490.00	45.03	PK	V	14.31	59.34	74	-14.66
11490.00	30.69	AV	V	14.31	45.00	54	-9.00
5785MHz							
11570.00	45.45	PK	H	14.05	59.50	74	-14.50
11570.00	31.03	AV	H	14.05	45.08	54	-8.92
11570.00	45.61	PK	V	14.05	59.66	74	-14.34
11570.00	31.22	AV	V	14.05	45.27	54	-8.73
5825MHz							
5852.68	81.37	PK	H	4.09	85.46	122.20	-36.74
5856.87	78.68	PK	H	4.09	82.77	110.80	-28.03
5877.25	73.59	PK	H	4.19	77.78	105.20	-27.42
5926.42	59.41	PK	H	4.69	64.10	68.20	-4.10
5850.85	82.97	PK	V	4.09	87.06	122.20	-35.14
5855.50	80.05	PK	V	4.09	84.14	110.80	-26.66
5882.34	75.14	PK	V	4.19	79.33	105.20	-25.87
5925.56	60.36	PK	V	4.69	65.05	68.20	-3.15
11650.00	46.11	PK	H	13.83	59.94	74	-14.06
11650.00	31.57	AV	H	13.83	45.40	54	-8.60
11650.00	46.32	PK	V	13.83	60.15	74	-13.85
11650.00	31.74	AV	V	13.83	45.57	54	-8.43

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5755MHz							
5647.48	56.12	PK	H	3.59	59.71	68.20	-8.49
5698.94	60.06	PK	H	3.79	63.85	105.20	-41.35
5719.25	68.45	PK	H	4.09	72.54	110.80	-38.26
5723.87	70.27	PK	H	4.09	74.36	122.20	-47.84
5635.85	56.39	PK	V	3.59	59.98	68.20	-8.22
5699.02	61.64	PK	V	3.79	65.43	105.20	-39.77
5718.68	69.98	PK	V	4.09	74.07	110.80	-36.73
5724.73	71.55	PK	V	4.09	75.64	122.20	-46.56
11510.00	45.27	PK	H	14.29	59.56	74	-14.44
11510.00	31.38	AV	H	14.29	45.67	54	-8.33
11510.00	45.46	PK	V	14.29	59.75	74	-14.25
11510.00	31.54	AV	V	14.29	45.83	54	-8.17
5795MHz							
5850.83	60.24	PK	H	4.09	64.33	122.20	-57.87
5857.64	59.13	PK	H	4.09	63.22	110.80	-47.58
5880.72	57.75	PK	H	4.19	61.94	105.20	-43.26
5927.49	56.32	PK	H	4.69	61.01	68.20	-7.19
5851.51	61.36	PK	V	4.09	65.45	122.20	-56.75
5874.14	60.07	PK	V	4.19	64.26	110.80	-46.54
5882.99	58.69	PK	V	4.19	62.88	105.20	-42.32
5928.87	56.85	PK	V	4.69	61.54	68.20	-6.66
11590.00	46.32	PK	H	13.97	60.29	74	-13.71
11590.00	32.17	AV	H	13.97	46.14	54	-7.86
11590.00	46.49	PK	V	13.97	60.46	74	-13.54
11590.00	32.35	AV	V	13.97	46.32	54	-7.68

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac80							
5775MHz							
5648.69	55.96	PK	H	3.59	59.55	68.20	-8.65
5699.21	64.45	PK	H	3.79	68.24	105.20	-36.96
5718.94	66.02	PK	H	4.09	70.11	110.80	-40.69
5723.57	67.73	PK	H	4.09	71.82	122.20	-50.38
5631.08	56.15	PK	V	3.59	59.74	68.20	-8.46
5699.67	65.72	PK	V	3.79	69.51	105.20	-35.69
5719.89	67.29	PK	V	4.09	71.38	110.80	-39.42
5720.42	68.91	PK	V	4.09	73.00	122.20	-49.20
5850.75	62.39	PK	H	4.09	66.48	122.20	-55.72
5857.94	60.54	PK	H	4.09	64.63	110.80	-46.17
5878.32	58.63	PK	H	4.19	62.82	105.20	-42.38
5930.48	56.01	PK	H	4.69	60.70	68.20	-7.50
5851.04	63.69	PK	V	4.09	67.78	122.20	-54.42
5858.57	62.08	PK	V	4.09	66.17	110.80	-44.63
5875.18	59.52	PK	V	4.19	63.71	105.20	-41.49
5933.21	56.17	PK	V	4.69	60.86	68.20	-7.34
11550.00	46.08	PK	H	14.13	60.21	74	-13.79
11550.00	32.61	AV	H	14.13	46.74	54	-7.26
11550.00	46.32	PK	V	14.13	60.45	74	-13.55
11550.00	32.89	AV	V	14.13	47.02	54	-6.98

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ax20							
5745MHz							
5625.51	57.02	PK	H	3.59	60.61	68.20	-7.59
5699.44	58.85	PK	H	3.79	62.64	105.20	-42.56
5719.32	67.24	PK	H	4.09	71.33	110.80	-39.47
5723.89	70.91	PK	H	4.09	75.00	122.20	-47.20
5623.65	57.38	PK	V	3.59	60.97	68.20	-7.23
5696.42	59.57	PK	V	3.79	63.36	105.20	-41.84
5719.98	68.86	PK	V	4.09	72.95	110.80	-37.85
5724.73	72.63	PK	V	4.09	76.72	122.20	-45.48
11490.00	45.15	PK	H	14.31	59.46	74	-14.54
11490.00	30.49	AV	H	14.31	44.80	54	-9.20
11490.00	45.32	PK	V	14.31	59.63	74	-14.37
11490.00	30.64	AV	V	14.31	44.95	54	-9.05
5785MHz							
11570.00	45.69	PK	H	14.05	59.74	74	-14.26
11570.00	30.98	AV	H	14.05	45.03	54	-8.97
11570.00	45.84	PK	V	14.05	59.89	74	-14.11
11570.00	31.16	AV	V	14.05	45.21	54	-8.79
5825MHz							
5851.24	64.32	PK	H	4.09	68.41	122.20	-53.79
5857.39	60.43	PK	H	4.09	64.52	110.80	-46.28
5878.51	57.64	PK	H	4.19	61.83	105.20	-43.37
5929.68	56.55	PK	H	4.69	61.24	68.20	-6.96
5850.15	65.79	PK	V	4.09	69.88	122.20	-52.32
5858.08	61.82	PK	V	4.09	65.91	110.80	-44.89
5879.37	58.45	PK	V	4.19	62.64	105.20	-42.56
5933.42	56.78	PK	V	4.69	61.47	68.20	-6.73
11650.00	46.27	PK	H	13.83	60.10	74	-13.90
11650.00	31.53	AV	H	13.83	45.36	54	-8.64
11650.00	46.45	PK	V	13.83	60.28	74	-13.72
11650.00	31.71	AV	V	13.83	45.54	54	-8.46

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax40							
5755MHz							
5637.25	57.84	PK	H	3.59	61.43	68.20	-6.77
5699.64	62.06	PK	H	3.79	65.85	105.20	-39.35
5719.32	70.57	PK	H	4.09	74.66	110.80	-36.14
5724.58	72.96	PK	H	4.09	77.05	122.20	-45.15
5639.98	58.12	PK	V	3.59	61.71	68.20	-6.49
5698.23	63.34	PK	V	3.79	67.13	105.20	-38.07
5718.02	72.05	PK	V	4.09	76.14	110.80	-34.66
5723.85	74.27	PK	V	4.09	78.36	122.20	-43.84
11510.00	45.35	PK	H	14.29	59.64	74	-14.36
11510.00	31.43	AV	H	14.29	45.72	54	-8.28
11510.00	45.58	PK	V	14.29	59.87	74	-14.13
11510.00	31.61	AV	V	14.29	45.90	54	-8.10
5795MHz							
5850.68	61.21	PK	H	4.09	65.30	122.20	-56.90
5856.37	60.02	PK	H	4.09	64.11	110.80	-46.69
5878.51	58.87	PK	H	4.19	63.06	105.20	-42.14
5927.72	56.39	PK	H	4.69	61.08	68.20	-7.12
5851.37	62.43	PK	V	4.09	66.52	122.20	-55.68
5855.94	61.15	PK	V	4.09	65.24	110.80	-45.56
5875.25	59.68	PK	V	4.19	63.87	105.20	-41.33
5929.46	56.61	PK	V	4.69	61.30	68.20	-6.90
11590.00	46.48	PK	H	13.97	60.45	74	-13.55
11590.00	32.21	AV	H	13.97	46.18	54	-7.82
11590.00	46.64	PK	V	13.97	60.61	74	-13.39
11590.00	32.36	AV	V	13.97	46.33	54	-7.67

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ax80							
5775MHz							
5625.63	59.54	PK	H	3.59	63.13	68.20	-5.07
5698.57	65.23	PK	H	3.79	69.02	105.20	-36.18
5718.72	68.18	PK	H	4.09	72.27	110.80	-38.53
5723.96	70.09	PK	H	4.09	74.18	122.20	-48.02
5624.78	60.42	PK	V	3.59	64.01	68.20	-4.19
5696.99	66.78	PK	V	3.79	70.57	105.20	-34.63
5719.61	69.69	PK	V	4.09	73.78	110.80	-37.02
5724.45	71.27	PK	V	4.09	75.36	122.20	-46.84
5850.87	67.92	PK	H	4.09	72.01	122.20	-50.19
5856.45	65.17	PK	H	4.09	69.26	110.80	-41.54
5875.96	60.05	PK	H	4.19	64.24	105.20	-40.96
5926.14	59.36	PK	H	4.69	64.05	68.20	-4.15
5854.66	69.25	PK	V	4.09	73.34	122.20	-48.86
5855.39	66.64	PK	V	4.09	70.73	110.80	-40.07
5877.72	61.08	PK	V	4.19	65.27	105.20	-39.93
5925.03	60.11	PK	V	4.69	64.80	68.20	-3.40
11550.00	45.93	PK	H	14.13	60.06	74	-13.94
11550.00	32.82	AV	H	14.13	46.95	54	-7.05
11550.00	46.14	PK	V	14.13	60.27	74	-13.73
11550.00	33.05	AV	V	14.13	47.18	54	-6.82

For Module YL43456

5150-5250 MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a							
5180MHz							
5146.52	62.20	PK	H	2.70	64.90	74	-9.10
5146.52	46.01	AV	H	2.70	48.71	54	-5.29
5149.46	60.06	PK	V	2.71	62.77	74	-11.23
5149.46	45.42	AV	V	2.71	48.13	54	-5.87
10360.00	46.08	PK	H	13.07	59.15	68.2	-9.05
10360.00	45.81	PK	V	13.07	58.88	68.2	-9.32
5200MHz							
10400.00	46.36	PK	H	13.12	59.48	68.2	-8.72
10400.00	46.15	PK	V	13.12	59.27	68.2	-8.93
5240MHz							
5427.45	55.61	PK	H	3.27	58.88	74	-15.12
5427.45	41.75	AV	H	3.27	45.02	54	-8.98
5418.89	55.38	PK	V	3.17	58.55	74	-15.45
5418.89	41.54	AV	V	3.17	44.71	54	-9.29
10480.00	46.64	PK	H	13.07	59.71	68.2	-8.49
10480.00	46.45	PK	V	13.07	59.52	68.2	-8.68
802.11ac20							
5180MHz							
5149.53	61.43	PK	H	2.71	64.14	74	-9.86
5149.53	45.57	AV	H	2.71	48.28	54	-5.72
5148.96	60.18	PK	V	2.71	62.89	74	-11.11
5148.96	44.99	AV	V	2.71	47.70	54	-6.30
10360.00	45.89	PK	H	13.07	58.96	68.2	-9.24
10360.00	45.64	PK	V	13.07	58.71	68.2	-9.49
5200MHz							
10400.00	46.17	PK	H	13.12	59.29	68.2	-8.91
10400.00	45.93	PK	V	13.12	59.05	68.2	-9.15
5240MHz							
5454.39	55.42	PK	H	3.59	59.01	74	-14.99
5454.39	41.69	AV	H	3.59	45.28	54	-8.72
5451.64	55.23	PK	V	3.59	58.82	74	-15.18
5451.64	41.57	AV	V	3.59	45.16	54	-8.84
10480.00	46.51	PK	H	13.07	59.58	68.2	-8.62
10480.00	46.32	PK	V	13.07	59.39	68.2	-8.81

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5190MHz							
5149.68	56.32	PK	H	2.71	59.03	74	-14.97
5149.68	45.17	AV	H	2.71	47.88	54	-6.12
5149.45	56.05	PK	V	2.71	58.76	74	-15.24
5149.45	44.84	AV	V	2.71	47.55	54	-6.45
10380.00	45.64	PK	H	13.09	58.73	68.2	-9.47
10380.00	45.41	PK	V	13.09	58.50	68.2	-9.70
5230MHz							
5352.95	55.58	PK	H	3.07	58.65	74	-15.35
5352.95	42.09	AV	H	3.07	45.16	54	-8.84
5354.72	55.36	PK	V	3.07	58.43	74	-15.57
5354.72	41.93	AV	V	3.07	45.00	54	-9.00
10460.00	46.18	PK	H	13.09	59.27	68.2	-8.93
10460.00	45.95	PK	V	13.09	59.04	68.2	-9.16
802.11ac80							
5210MHz							
5149.44	55.34	PK	H	2.71	58.05	74	-15.95
5149.44	45.29	AV	H	2.71	48.00	54	-6.00
5149.19	55.12	PK	V	2.71	57.83	74	-16.17
5149.19	45.05	AV	V	2.71	47.76	54	-6.24
5424.58	55.07	PK	H	3.27	58.34	74	-15.66
5424.58	43.13	AV	H	3.27	46.40	54	-7.60
5443.73	54.89	PK	V	3.27	58.16	74	-15.84
5443.73	42.94	AV	V	3.27	46.21	54	-7.79
10420.00	45.29	PK	H	13.12	58.41	68.2	-9.79
10420.00	45.06	PK	V	13.12	58.18	68.2	-10.02

5250-5350MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a							
5260MHz							
4793.96	55.41	PK	H	1.59	57.00	74	-17.00
4793.96	42.54	AV	H	1.59	44.13	54	-9.87
4739.45	55.18	PK	V	1.49	56.67	74	-17.33
4739.45	42.37	AV	V	1.49	43.86	54	-10.14
10520.00	46.43	PK	H	13.05	59.48	68.2	-8.72
10520.00	46.21	PK	V	13.05	59.26	68.2	-8.94
5280MHz							
10560.00	46.78	PK	H	13.02	59.80	68.2	-8.40
10560.00	46.55	PK	V	13.02	59.57	68.2	-8.63
5320MHz							
5350.56	64.78	PK	H	3.07	67.85	74	-6.15
5350.56	47.92	AV	H	3.07	50.99	54	-3.01
5350.99	63.54	PK	V	3.07	66.61	74	-7.39
5350.99	47.39	AV	V	3.07	50.46	54	-3.54
10640.00	47.29	PK	H	13.19	60.48	74	-13.52
10640.00	34.18	AV	H	13.19	47.37	54	-6.63
10640.00	47.02	PK	V	13.19	60.21	74	-13.79
10640.00	33.87	AV	V	13.19	47.06	54	-6.94
802.11ac20							
5260MHz							
4844.75	55.27	PK	H	1.69	56.96	74	-17.04
4844.75	42.35	AV	H	1.69	44.04	54	-9.96
4868.94	55.09	PK	V	1.69	56.78	74	-17.22
4868.94	42.18	AV	V	1.69	43.87	54	-10.13
10520.00	46.32	PK	H	13.05	59.37	68.2	-8.83
10520.00	46.09	PK	V	13.05	59.14	68.2	-9.06
5280MHz							
10560.00	46.63	PK	H	13.02	59.65	68.2	-8.55
10560.00	46.42	PK	V	13.02	59.44	68.2	-8.76
5320MHz							
5350.72	65.57	PK	H	3.07	68.64	74	-5.36
5350.72	47.62	AV	H	3.07	50.69	54	-3.31
5350.87	64.18	PK	V	3.07	67.25	74	-6.75
5350.87	47.05	AV	V	3.07	50.12	54	-3.88
10640.00	47.07	PK	H	13.19	60.26	74	-13.74
10640.00	33.96	AV	H	13.19	47.15	54	-6.85
10640.00	46.84	PK	V	13.19	60.03	74	-13.97
10640.00	33.72	AV	V	13.19	46.91	54	-7.09

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5270MHz							
4923.15	54.96	PK	H	1.79	56.75	74	-17.25
4923.15	42.68	AV	H	1.79	44.47	54	-9.53
4947.74	54.81	PK	V	1.79	56.60	74	-17.40
4947.74	42.47	AV	V	1.79	44.26	54	-9.74
10540.00	46.21	PK	H	13.03	59.24	68.2	-8.96
10540.00	45.98	PK	V	13.03	59.01	68.2	-9.19
5310MHz							
5350.24	61.69	PK	H	3.07	64.76	74	-9.24
5350.24	45.94	AV	H	3.07	49.01	54	-4.99
5350.87	60.25	PK	V	3.07	63.32	74	-10.68
5350.87	45.37	AV	V	3.07	48.44	54	-5.56
10620.00	46.56	PK	H	13.09	59.65	74	-14.35
10620.00	32.64	AV	H	13.09	45.73	54	-8.27
10620.00	46.29	PK	V	13.09	59.38	74	-14.62
10620.00	32.38	AV	V	13.09	45.47	54	-8.53
802.11ac80							
5290MHz							
4876.36	54.85	PK	H	1.69	56.54	74	-17.46
4876.36	43.43	AV	H	1.69	45.12	54	-8.88
4848.69	54.62	PK	V	1.69	56.31	74	-17.69
4848.69	43.19	AV	V	1.69	44.88	54	-9.12
5353.78	59.38	PK	H	3.07	62.45	74	-11.55
5353.78	45.15	AV	H	3.07	48.22	54	-5.78
5352.65	58.21	PK	V	3.07	61.28	74	-12.72
5352.65	44.79	AV	V	3.07	47.86	54	-6.14
10580.00	45.97	PK	H	13.00	58.97	68.2	-9.23
10580.00	45.72	PK	V	13.00	58.72	68.2	-9.48

5470-5725MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a							
5500MHz							
5469.68	57.94	PK	H	3.69	61.63	68.2	-6.57
5468.75	57.37	PK	V	3.69	61.06	68.2	-7.14
11000.00	45.55	PK	H	13.98	59.53	74	-14.47
11000.00	31.26	AV	H	13.98	45.24	54	-8.76
11000.00	45.32	PK	V	13.98	59.30	74	-14.70
11000.00	31.04	AV	V	13.98	45.02	54	-8.98
5580MHz							
11160.00	46.12	PK	H	13.62	59.74	74	-14.26
11160.00	31.69	AV	H	13.62	45.31	54	-8.69
11160.00	45.87	PK	V	13.62	59.49	74	-14.51
11160.00	31.46	AV	V	13.62	45.08	54	-8.92
5700MHz							
5739.49	55.72	PK	H	4.19	59.91	68.2	-8.29
5737.56	55.53	PK	V	4.19	59.72	68.2	-8.48
11400.00	46.89	PK	H	14.08	60.97	74	-13.03
11400.00	32.18	AV	H	14.08	46.26	54	-7.74
11400.00	46.67	PK	V	14.08	60.75	74	-13.25
11400.00	31.95	AV	V	14.08	46.03	54	-7.97
802.11ac20							
5500MHz							
5465.96	56.87	PK	H	3.59	60.46	68.2	-7.74
5466.57	56.42	PK	V	3.59	60.01	68.2	-8.19
11000.00	45.81	PK	H	13.98	59.79	74	-14.21
11000.00	31.14	AV	H	13.98	45.12	54	-8.88
11000.00	45.63	PK	V	13.98	59.61	74	-14.39
11000.00	30.92	AV	V	13.98	44.90	54	-9.10
5580MHz							
11160.00	46.05	PK	H	13.62	59.67	74	-14.33
11160.00	31.48	AV	H	13.62	45.10	54	-8.90
11160.00	45.82	PK	V	13.62	59.44	74	-14.56
11160.00	31.29	AV	V	13.62	44.91	54	-9.09
5700MHz							
5735.12	55.88	PK	H	4.19	60.07	68.2	-8.13
5731.05	55.59	PK	V	4.09	59.68	68.2	-8.52
11400.00	46.78	PK	H	14.08	60.86	74	-13.14
11400.00	32.09	AV	H	14.08	46.17	54	-7.83
11400.00	46.54	PK	V	14.08	60.62	74	-13.38
11400.00	31.86	AV	V	14.08	45.94	54	-8.06

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5510MHz							
5463.45	56.39	PK	H	3.59	59.98	68.2	-8.22
5464.18	56.14	PK	V	3.59	59.73	68.2	-8.47
11020.00	45.52	PK	H	13.89	59.41	74	-14.59
11020.00	31.41	AV	H	13.89	45.30	54	-8.70
11020.00	45.25	PK	V	13.89	59.14	74	-14.86
11020.00	31.18	AV	V	13.89	45.07	54	-8.93
5550MHz							
11100.00	45.86	PK	H	13.53	59.39	74	-14.61
11100.00	31.72	AV	H	13.53	45.25	54	-8.75
11100.00	45.64	PK	V	13.53	59.17	74	-14.83
11100.00	31.53	AV	V	13.53	45.06	54	-8.94
5670MHz							
5729.85	56.47	PK	H	4.09	60.56	68.2	-7.64
5727.68	56.16	PK	V	4.09	60.25	68.2	-7.95
11340.00	46.44	PK	H	13.99	60.43	74	-13.57
11340.00	32.32	AV	H	13.99	46.31	54	-7.69
11340.00	46.25	PK	V	13.99	60.24	74	-13.76
11340.00	32.13	AV	V	13.99	46.12	54	-7.88
802.11ac80							
5530MHz							
5467.19	56.86	PK	H	3.59	60.45	68.2	-7.75
5468.24	56.63	PK	V	3.69	60.32	68.2	-7.88
11060.00	45.27	PK	H	13.71	58.98	74	-15.02
11060.00	32.68	AV	H	13.71	46.39	54	-7.61
11060.00	45.09	PK	V	13.71	58.80	74	-15.20
11060.00	32.53	AV	V	13.71	46.24	54	-7.76
5610MHz							
5743.83	56.24	PK	H	4.19	60.43	68.2	-7.77
5740.68	56.01	PK	V	4.19	60.20	68.2	-8.00
11220.00	45.73	PK	H	13.73	59.46	74	-14.54
11220.00	32.96	AV	H	13.73	46.69	54	-7.31
11220.00	45.55	PK	V	13.73	59.28	74	-14.72
11220.00	32.81	AV	V	13.73	46.54	54	-7.46

5725-5850 MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11a							
5745MHz							
5625.43	55.13	PK	H	3.59	58.72	68.20	-9.48
5696.12	56.52	PK	H	3.69	60.21	105.20	-44.99
5715.94	56.86	PK	H	4.09	60.95	110.80	-49.85
5722.57	60.29	PK	H	4.09	64.38	122.20	-57.82
5638.39	54.96	PK	V	3.59	58.55	68.20	-9.65
5686.45	56.14	PK	V	3.69	59.83	105.20	-45.37
5719.27	56.45	PK	V	4.09	60.54	110.80	-50.26
5724.64	59.32	PK	V	4.09	63.41	122.20	-58.79
11490.00	45.39	PK	H	14.31	59.70	74	-14.30
11490.00	30.67	AV	H	14.31	44.98	54	-9.02
11490.00	45.22	PK	V	14.31	59.53	74	-14.47
11490.00	30.54	AV	V	14.31	44.85	54	-9.15
5785MHz							
11570.00	45.78	PK	H	14.05	59.83	74	-14.17
11570.00	31.19	AV	H	14.05	45.24	54	-8.76
11570.00	45.61	PK	V	14.05	59.66	74	-14.34
11570.00	31.02	AV	V	14.05	45.07	54	-8.93
5825MHz							
5850.36	58.09	PK	H	4.09	62.18	122.20	-60.02
5871.17	57.18	PK	H	4.19	61.37	110.80	-49.43
5894.89	56.54	PK	H	4.19	60.73	105.20	-44.47
5927.58	54.96	PK	H	4.69	59.65	68.20	-8.55
5851.45	57.37	PK	V	4.09	61.46	122.20	-60.74
5857.64	56.75	PK	V	4.09	60.84	110.80	-49.96
5878.32	56.08	PK	V	4.19	60.27	105.20	-44.93
5925.91	54.81	PK	V	4.69	59.50	68.20	-8.70
11650.00	46.24	PK	H	13.83	60.07	74	-13.93
11650.00	31.66	AV	H	13.83	45.49	54	-8.51
11650.00	46.05	PK	V	13.83	59.88	74	-14.12
11650.00	31.48	AV	V	13.83	45.31	54	-8.69

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac20							
5745MHz							
5621.48	55.36	PK	H	3.59	58.95	68.20	-9.25
5662.77	57.25	PK	H	3.69	60.94	105.20	-44.26
5718.83	58.61	PK	H	4.09	62.70	110.80	-48.10
5723.62	60.84	PK	H	4.09	64.93	122.20	-57.27
5627.32	55.17	PK	V	3.59	58.76	68.20	-9.44
5699.51	56.86	PK	V	3.79	60.65	105.20	-44.55
5719.48	57.59	PK	V	4.09	61.68	110.80	-49.12
5724.69	59.72	PK	V	4.09	63.81	122.20	-58.39
11490.00	45.45	PK	H	14.31	59.76	74	-14.24
11490.00	30.78	AV	H	14.31	45.09	54	-8.91
11490.00	45.27	PK	V	14.31	59.58	74	-14.42
11490.00	30.64	AV	V	14.31	44.95	54	-9.05
5785MHz							
11570.00	45.87	PK	H	14.05	59.92	74	-14.08
11570.00	31.26	AV	H	14.05	45.31	54	-8.69
11570.00	45.69	PK	V	14.05	59.74	74	-14.26
11570.00	31.08	AV	V	14.05	45.13	54	-8.87
5825MHz							
5852.25	58.54	PK	H	4.09	62.63	122.20	-59.57
5856.96	57.68	PK	H	4.09	61.77	110.80	-49.03
5877.39	56.93	PK	H	4.19	61.12	105.20	-44.08
5932.64	55.17	PK	H	4.69	59.86	68.20	-8.34
5851.57	58.02	PK	V	4.09	62.11	122.20	-60.09
5858.89	57.16	PK	V	4.09	61.25	110.80	-49.55
5875.72	56.25	PK	V	4.19	60.44	105.20	-44.76
5928.45	55.03	PK	V	4.69	59.72	68.20	-8.48
11650.00	46.32	PK	H	13.83	60.15	74	-13.85
11650.00	31.73	AV	H	13.83	45.56	54	-8.44
11650.00	46.09	PK	V	13.83	59.92	74	-14.08
11650.00	31.58	AV	V	13.83	45.41	54	-8.59

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5755MHz							
5629.48	55.61	PK	H	3.59	59.20	68.20	-9.00
5663.15	57.85	PK	H	3.69	61.54	105.20	-43.66
5719.63	62.42	PK	H	4.09	66.51	110.80	-44.29
5724.99	65.54	PK	H	4.09	69.63	122.20	-52.57
5625.44	55.39	PK	V	3.59	58.98	68.20	-9.22
5698.72	57.24	PK	V	3.79	61.03	105.20	-44.17
5718.91	61.18	PK	V	4.09	65.27	110.80	-45.53
5724.57	64.07	PK	V	4.09	68.16	122.20	-54.04
11510.00	45.51	PK	H	14.29	59.80	74	-14.20
11510.00	31.62	AV	H	14.29	45.91	54	-8.09
11510.00	45.33	PK	V	14.29	59.62	74	-14.38
11510.00	31.46	AV	V	14.29	45.75	54	-8.25
5795MHz							
5851.31	59.25	PK	H	4.09	63.34	122.20	-58.86
5857.42	58.14	PK	H	4.09	62.23	110.80	-48.57
5880.56	56.87	PK	H	4.19	61.06	105.20	-44.14
5936.78	55.32	PK	H	4.69	60.01	68.20	-8.19
5852.38	58.69	PK	V	4.09	62.78	122.20	-59.42
5856.84	57.75	PK	V	4.09	61.84	110.80	-48.96
5878.19	56.21	PK	V	4.19	60.40	105.20	-44.80
5926.75	55.08	PK	V	4.69	59.77	68.20	-8.43
11590.00	46.73	PK	H	13.97	60.70	74	-13.30
11590.00	32.49	AV	H	13.97	46.46	54	-7.54
11590.00	46.58	PK	V	13.97	60.55	74	-13.45
11590.00	32.32	AV	V	13.97	46.29	54	-7.71

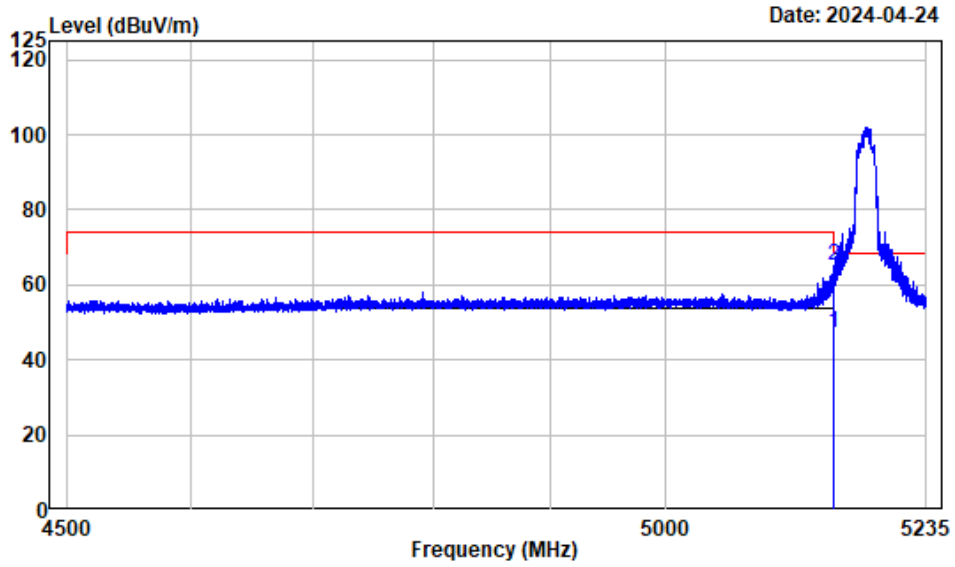
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac80							
5775MHz							
5635.49	55.89	PK	H	3.59	59.48	68.20	-8.72
5698.75	58.32	PK	H	3.79	62.11	105.20	-43.09
5719.84	60.64	PK	H	4.09	64.73	110.80	-46.07
5724.51	61.97	PK	H	4.09	66.06	122.20	-56.14
5627.69	55.63	PK	V	3.59	59.22	68.20	-8.98
5699.43	57.72	PK	V	3.79	61.51	105.20	-43.69
5718.92	59.58	PK	V	4.09	63.67	110.80	-47.13
5723.86	60.49	PK	V	4.09	64.58	122.20	-57.62
5850.65	65.42	PK	H	4.09	69.51	122.20	-52.69
5855.48	64.05	PK	H	4.09	68.14	110.80	-42.66
5876.51	59.16	PK	H	4.19	63.35	105.20	-41.85
5925.96	55.68	PK	H	4.69	60.37	68.20	-7.83
5851.72	64.24	PK	V	4.09	68.33	122.20	-53.87
5857.69	62.93	PK	V	4.09	67.02	110.80	-43.78
5875.81	58.36	PK	V	4.19	62.55	105.20	-42.65
5927.38	55.45	PK	V	4.69	60.14	68.20	-8.06
11550.00	46.23	PK	H	14.13	60.36	74	-13.64
11550.00	32.84	AV	H	14.13	46.97	54	-7.03
11550.00	46.08	PK	V	14.13	60.21	74	-13.79
11550.00	32.67	AV	V	14.13	46.80	54	-7.20

Note:
Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude = Factor + Reading
Margin = Corrected. Amplitude - Limit
The other spurious emission which is in the noise floor level was not recorded.

For Module YL43752

Test plots for Band Edge Measurements (Radiated)

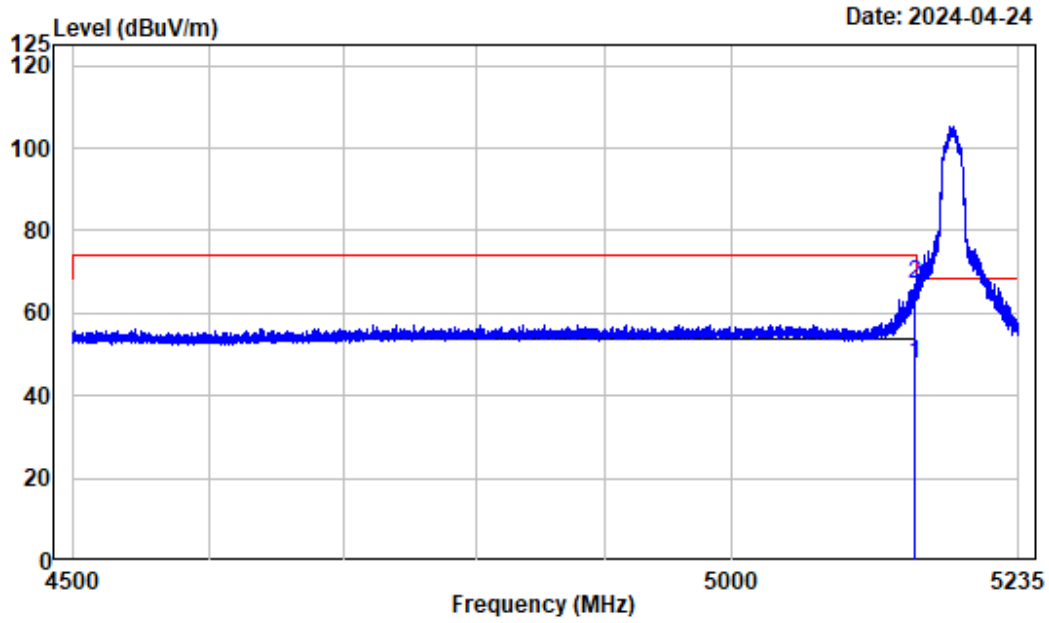
802.11a_ANT1			
Test Channel:	**5180MHz**	**Ant. Polar. :**	**Horizontal**



Condition : Horizontal
Project No.: 2401S35623-RF
Tester : Zenos Qiao
Note : 5GWiFi-ANT1-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.924	2.71	44.64	47.35	54.00	-6.65	Average
2	5149.924	2.71	62.25	64.96	74.00	-9.04	Peak

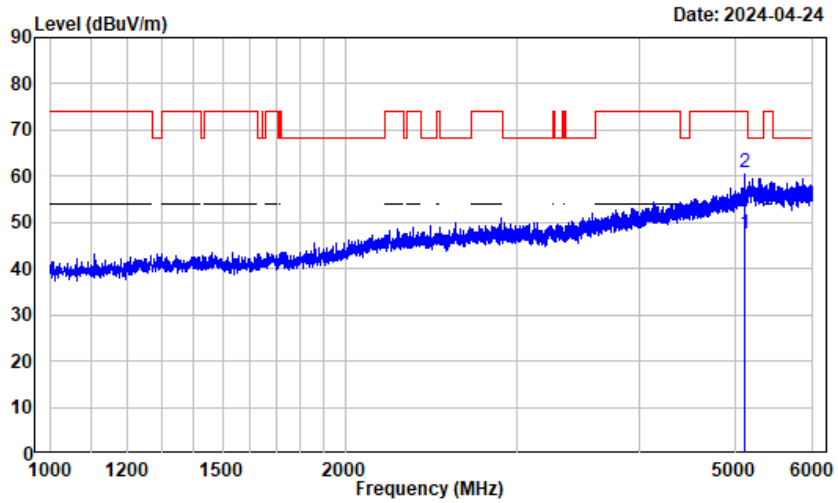
802.11a_ANT1			
Test Channel:	**5180MHz**	**Ant. Polar. :**	**Vertical**

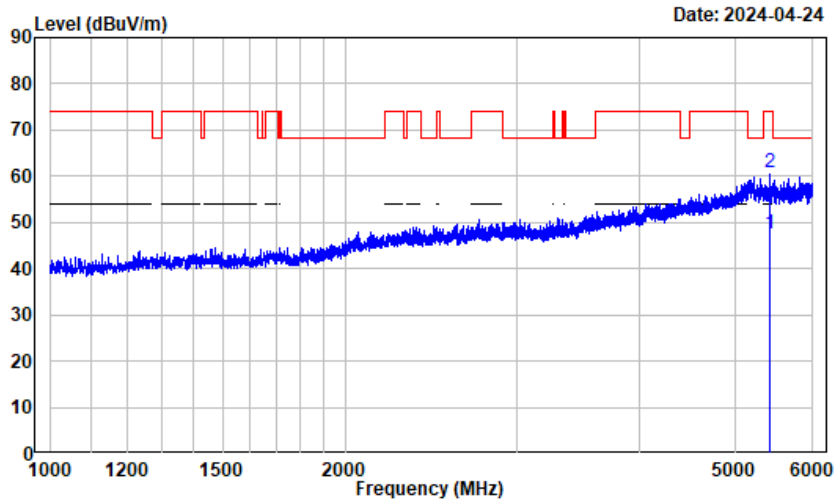


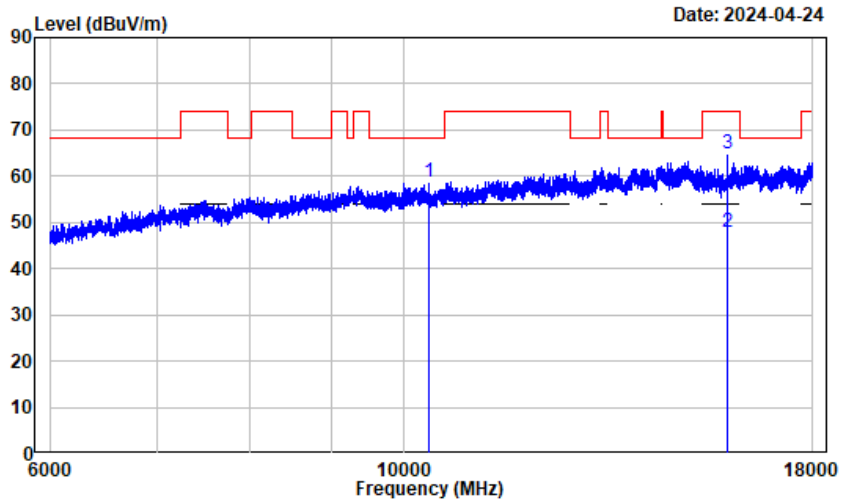
Condition : Vertical
Project No.: 2401S35623-RF
Tester : Zenos Qiao
Note : 5GWiFi-ANT1-Band1-A-5180

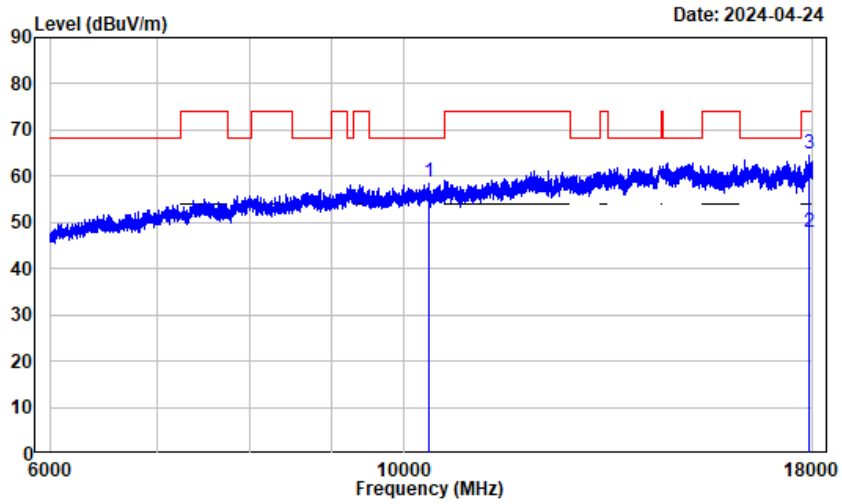
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.913	2.71	45.06	47.77	54.00	-6.23	Average
2	5148.913	2.71	64.11	66.82	74.00	-7.18	Peak

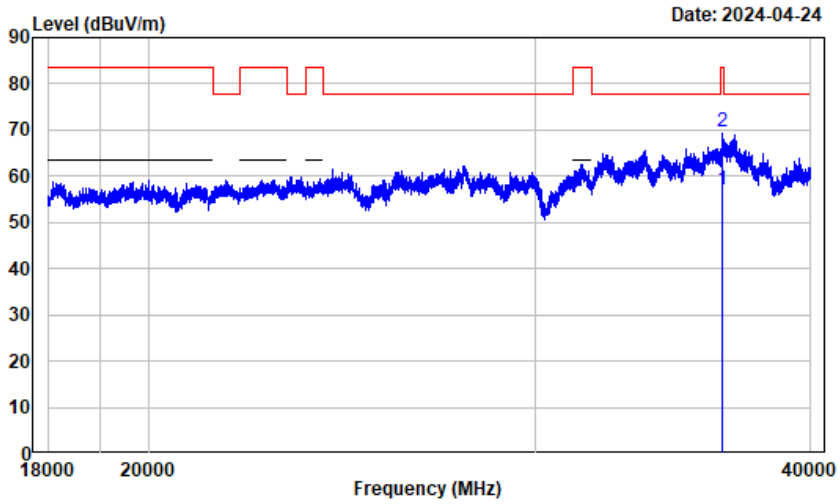
Test plots for Harmonic Measurements (Radiated)

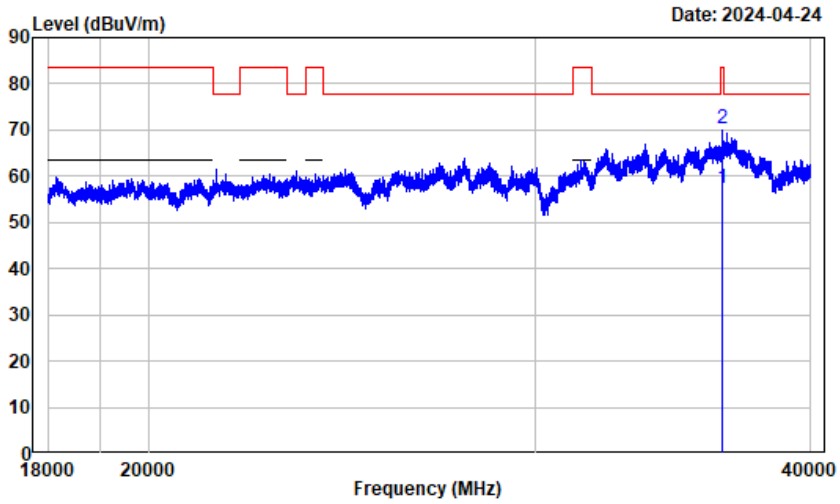
Horizontal	
1-6GHz	 Condition : Horizontal Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-ANT1-Band1-A-5180 | | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark | | | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | | | 1 | 5114.375 | 2.71 | 44.86 | 47.57 | 54.00 | -6.43 | Average | | 2 | 5114.375 | 2.71 | 58.02 | 60.73 | 74.00 | -13.27 | Peak |

Vertical	
1-6GHz	 Condition : Vertical Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-ANT1-Band1-A-5180 Freq / Factor / Read Level / Limit Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 5421.250 3.02 44.64 47.66 54.00 -6.34 Average 2 5421.250 3.02 57.88 60.90 74.00 -13.10 Peak

Horizontal	
6-18GHz	 Condition : Horizontal Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-ANT1-Band1-A-5180 Freq / Factor / Read Level / Limit Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 10360.000 13.07 45.57 58.64 68.20 -9.56 Peak 2 15937.500 13.65 34.13 47.78 54.00 -6.22 Average 3 15937.500 13.66 51.04 64.70 74.00 -9.30 Peak

Vertical	
6-18GHz	 Condition : Vertical Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-ANT1-Band1-A-5180 | | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark | | | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | | | 1 | 10360.000 | 13.07 | 45.76 | 58.83 | 68.20 | -9.37 | Peak | | 2 | 17913.000 | 24.00 | 23.91 | 47.91 | 54.00 | -6.09 | Average | | 3 | 17913.000 | 24.00 | 40.86 | 64.86 | 74.00 | -9.14 | Peak |

Horizontal	
18-40GHz	 Condition : Horizontal Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-ANT1-Band1-A-5180 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 36474.500 25.31 31.85 57.16 63.50 -6.34 Average 2 36474.500 25.31 44.30 69.61 83.50 -13.89 Peak

Vertical	
18-40GHz	

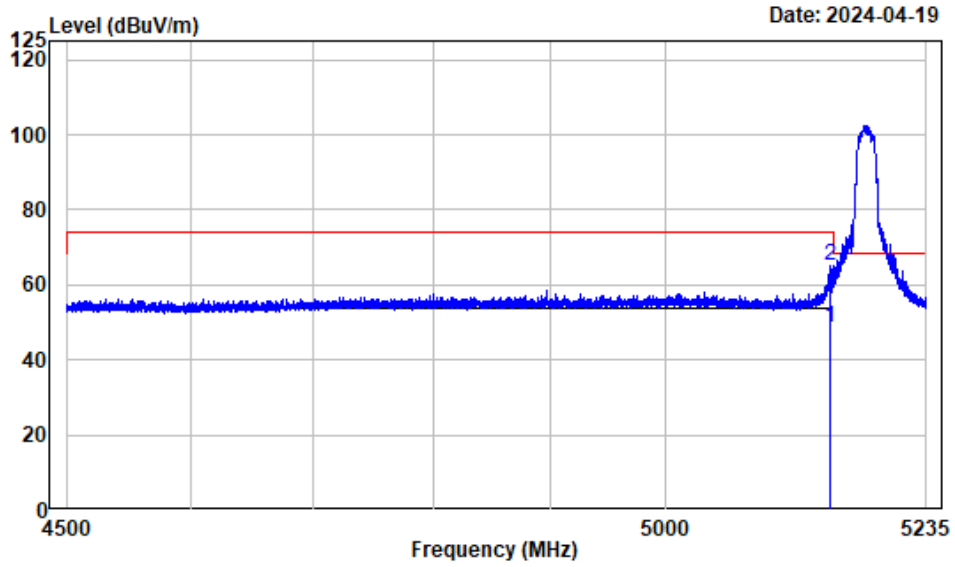
Condition : Vertical
Project No.: 2401S35623-RF
Tester : Zenos Qiao
Note : 5GWiFi-ANT1-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	36488.250	25.35	32.04	57.39	63.50	-6.11	Average
2	36488.250	25.35	44.80	70.15	83.50	-13.35	Peak

For Module YL43456

Test plots for Band Edge Measurements (Radiated)

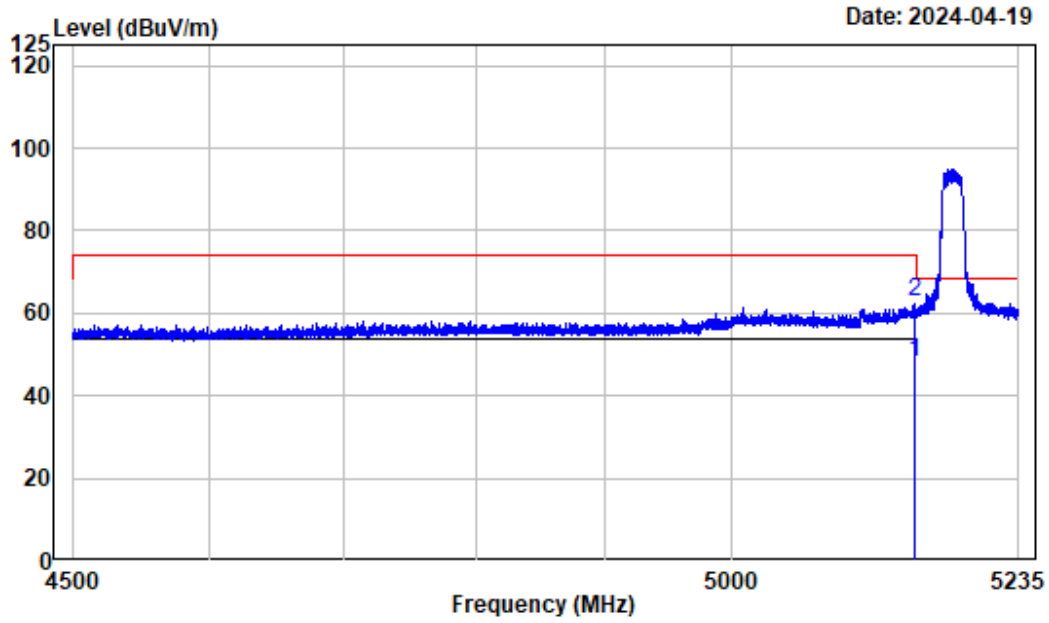
802.11a			
Test Channel:	**5180MHz**	**Ant. Polar. :**	**Horizontal**



Condition : Horizontal
Project No.: 2401S35623-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5146.524	2.70	46.01	48.71	54.00	-5.29	Average
2	5146.524	2.70	62.20	64.90	74.00	-9.10	Peak

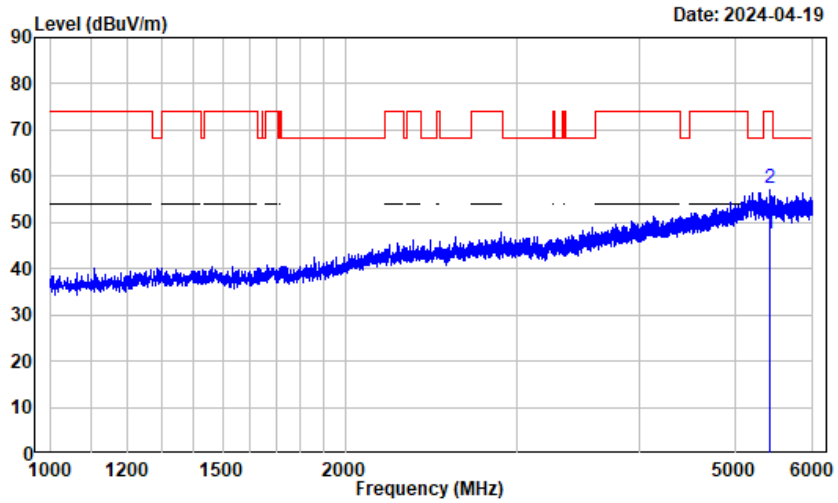
802.11a			
Test Channel:	**5180MHz**	**Ant. Polar. :**	**Vertical**

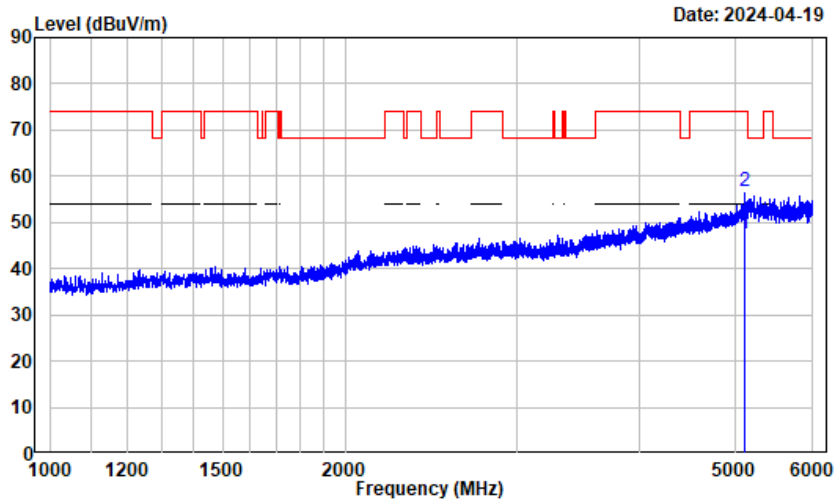


Condition : Vertical
Project No.: 2401S35623-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.464	2.71	45.42	48.13	54.00	-5.87	Average
2	5149.464	2.71	60.06	62.77	74.00	-11.23	Peak

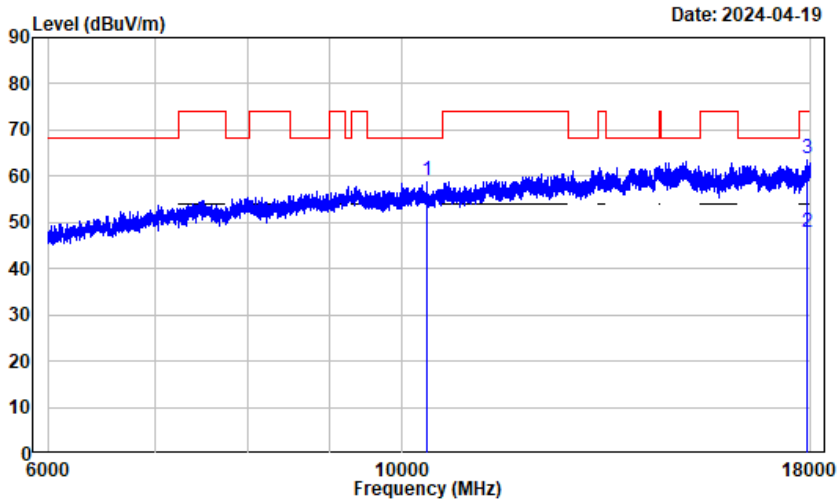
Test plots for Harmonic Measurements (Radiated)

Horizontal	
1-6GHz	 Condition : Horizontal Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-Band1-A-5180 Freq / Factor / Read Level / Limit Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 5430.625 3.04 44.60 47.64 54.00 -6.36 Average 2 5430.625 3.04 54.33 57.37 74.00 -16.63 Peak

Vertical	
1-6GHz	 Condition : Vertical Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-Band1-A-5180 Freq / Factor / Read Level / Limit Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 5115.000 2.71 44.80 47.51 54.00 -6.49 Average 2 5115.000 2.71 53.97 56.68 74.00 -17.32 Peak

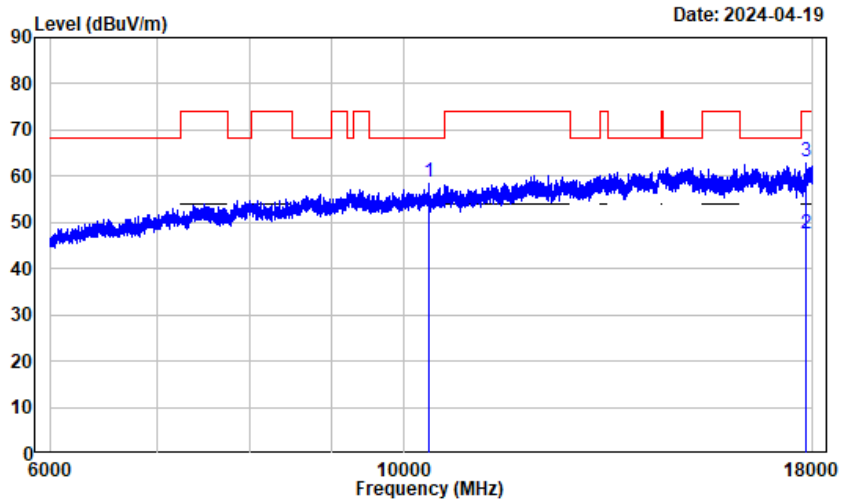
Horizontal

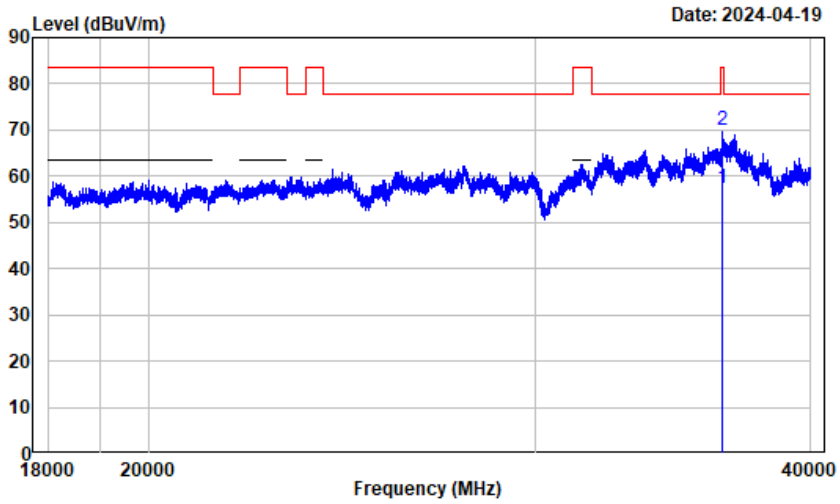
6-18GHz



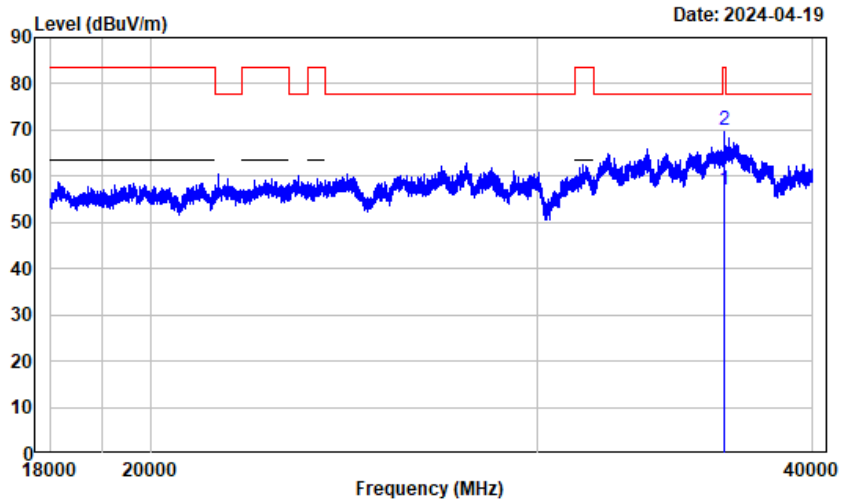
Condition : Horizontal
Project No.: 2401S35623-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	13.07	46.08	59.15	68.20	-9.05	Peak
2	17917.500	24.04	23.74	47.78	54.00	-6.22	Average
3	17917.500	24.04	39.66	63.70	74.00	-10.30	Peak

Vertical	
6-18GHz	 Condition : Vertical Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-Band1-A-5180 Freq / Factor / Read Level / Limit Level / Limit Line / Over Limit / Remark 1 10360.000 MHz 13.07 dB/m 45.81 dBuV 58.88 dBuV/m 68.20 dBuV/m -9.32 dB Peak 2 17842.500 MHz 22.98 dB/m 24.71 dBuV 47.69 dBuV/m 54.00 dBuV/m -6.31 dB Average 3 17842.500 MHz 22.98 dB/m 40.22 dBuV 63.20 dBuV/m 74.00 dBuV/m -10.80 dB Peak

Horizontal	
18-40GHz	 Condition : Horizontal Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	36479.970	25.32	31.99	57.31	63.50	-6.19	Average
2	36479.970	25.32	44.68	70.00	83.50	-13.50	Peak

Vertical	
18-40GHz	 Condition : Vertical Project No.: 2401S35623-RF Tester : Zenos Qiao Note : 5GWiFi-Band1-A-5180 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark 1 36485.640 MHz 25.34 dB/m 31.84 dBuV 57.18 dBuV/m 63.50 dBuV/m -6.32 dB Average 2 36485.640 MHz 25.34 dB/m 44.55 dBuV 69.89 dBuV/m 83.50 dBuV/m -13.61 dB Peak

EUT PHOTOGRAPHS

Please refer to the attachment 2401S35623-RF External photo and 2401S35623-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401S35623-RFB Test Setup photo.

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