TEST REPORT

Applicant Name:	Iconnect
Address:	No.9, Aly. 58, Ln. 112, Ruiguang Rd., Neihu Dist.,Taipei City, Taiwan
Report Number:	2604Q36815E-RF-00A
FCC ID:	2AB879886

Test Standard (s)

FCC PART 15.407

Sample Description

Product Name:	WiFi Module
Model No.:	AWMC9886PH
Trade Mark:	ALFA
Date Received:	2026-02-26
Report Date:	2026-05-14

Test Result:	The EUT complied with the standards above.

Prepared and Checked By:

Amanda Wei

Amanda Wei
EMC Engineer

Approved By:

Bob. Liao

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EMC Engineer

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604Q36815E-RF-00A	Original Report	2026-05-14

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	WiFi Module
Tested Model	AWMC9886PH
Voltage Range#	DC 3.3V from test board

Frequency Range	5G Wi-Fi: 5150-5250MHz
Mode	802.11 a/n20/n40/ac20/ac40/ac80
Maximum Conducted Average Output Power (actual test result)	5150-5250MHz: 23.31 dBm
Modulation Technique	802.11a: OFDM(BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Antenna Specification#	External Antenna: Ant0(Chain 0): 5 dBi, Ant1(Chain 1): 5 dBi (It is provided by the applicant.)
Sample Serial Number	For CE&RE Test: 3BCG-2 For RF Conducted Test: 3BCG-2 (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition
Note: The device is belong an indoor access point type.	

Objective

This type approval 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 C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And KDB789033D02 General U-NII Test Procedures New Rules v02r01.

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		5 %
RF Frequency		$0.064*10^{-7}$
RF output power, conducted		0.3 dB
Unwanted Emission, conducted		1.2 dB
AC Power Lines Conducted Emissions		2.7 dB
Emissions, Radiated	9kHz - 30MHz	2.1 dB
	30MHz - 1GHz	4.3 dB
	1GHz - 18GHz	4.9 dB
	18GHz - 26.5GHz	5.2 dB
	26.5GHz - 40GHz	4.6 dB
Temperature		1 ℃
Humidity		7 %
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.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The device supports 802.11a/n20/n40/ac20/ac40/ac80, the n20/n40 mode was reduced test as identical parameter with ac20/ac40 mode.

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

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

For 802.11a/ac20, Channel 36, 40 and 48 were tested.
For 802.11ac40, Channel 38, 46 were tested.
For 802.11ac80, Channel 42 was tested.

Test Mode
Test Mode : Transmitting

EUT Exercise Software and Power Level

Exercise Software:	QSPR			
For 5150-5250MHz:				
Mode	Data Rate	Power Level		
		Lowest Channel	Middle Channel	Highest Channel
802.11 a	6Mbps	22	22	22
802.11 ac20	MCS0	22	22	22
802.11 ac40	MCS0	15	/	15
802.11 ac80	MCS0	/	13	/

Note 1: The information in the above table is provided by the applicant.
Note 2: The worse-case data rates are determined to be as above for each mode based upon investigations by measuring the output power and PSD across all data rates, bandwidths and modulations.
Note 3: The device supports SISO and MIMO in all modes, per pretest, MIMO mode was the worst mode.
Note 4: All the antenna ports have the same power level.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

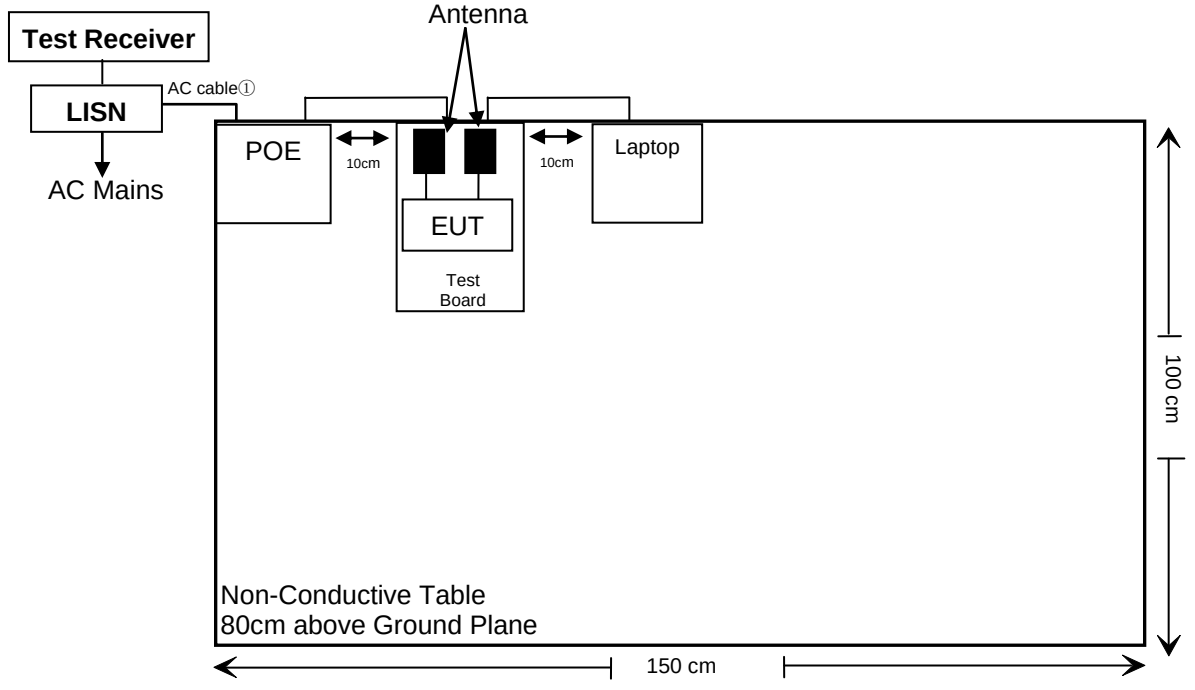
Manufacturer	Description	Model	Serial Number
Unknown	Test Board	Unknown	Unknown
ALFA	POE	APOE-2410G	Unknown
LENOVO	Laptop	ThinkPad x240	SL10F31638JS
Unknown	Dipole Antenna*2	Unknown	Unknown

External I/O Cable

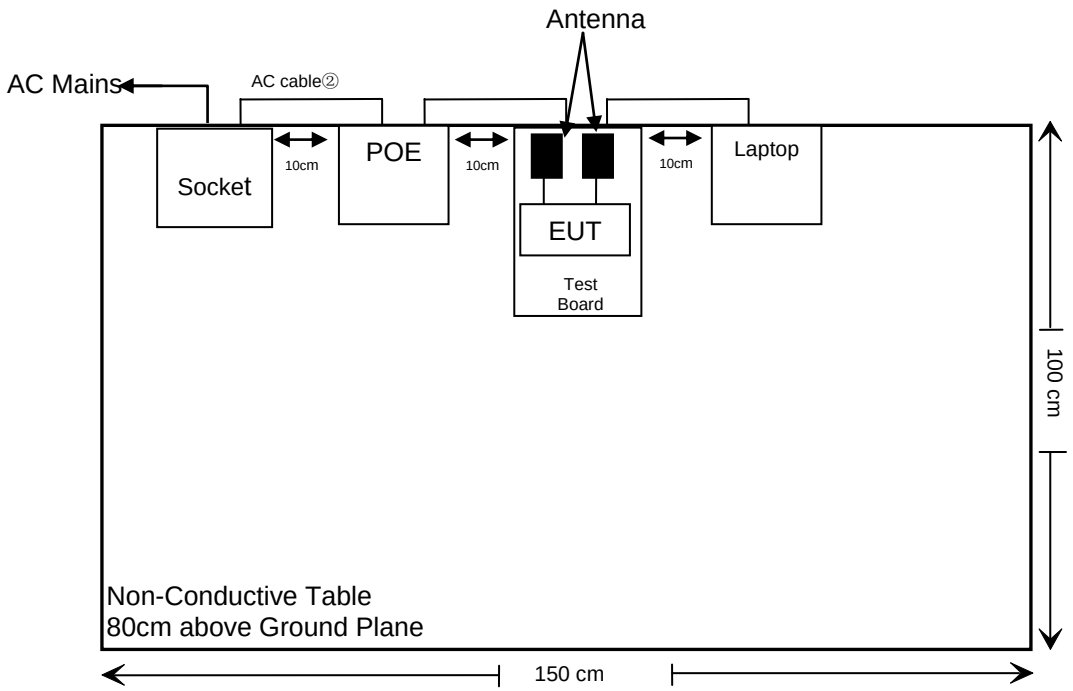
Cable Description	Shielding Type	Length (m)	From Port	To
AC Cable①	NO	1.0	POE	LISN/Socket
AC Cable②	NO	0.7	POE	Socket
RJ45 Cable	NO	1.4	POE	Test Board
RJ45 Cable	NO	1.4	Test Board	Laptop
RF Cable*2	YES	0.12	EUT	Antenna*2

Block Diagram of Test Setup

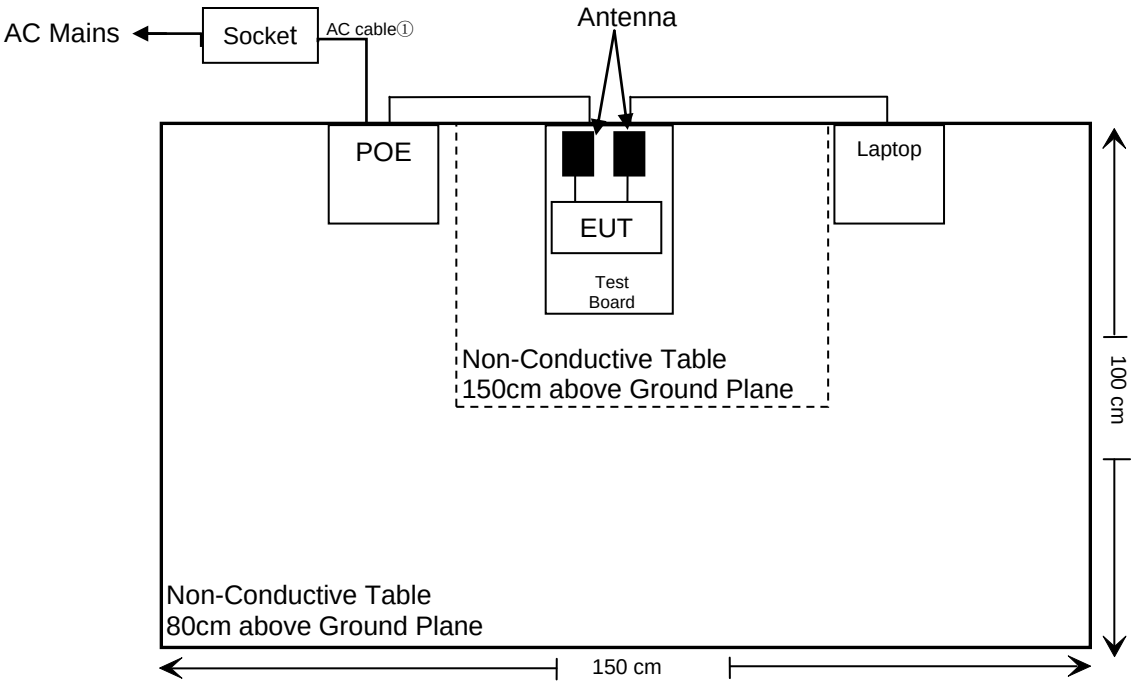
For Conducted Emission:



For Radiated Emission Below 1GHz:



For Radiated Emission Above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.407(b)(9) & §15.207(a)	Conducted Emissions	Compliance
§15.205 & §15.209 & §15.407(b)	Undesirable Emission & Restricted Bands	Compliance
§15.407(a), (e)	Bandwidth	Compliance
§15.407(a)	Conducted Transmitter Output Power	Compliance
§15.407(a)	Power Spectral Density	Compliance
§15.407(h)(1)	Transmit Power Control (TPC)	Not Applicable
§15.407(h)(2)	Dynamic Frequency Selection (DFS)	Not Applicable*

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

Not Applicable*: The device does not support this function.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	100784	2025/09/17	2026/09/16
Rohde & Schwarz	L.I.S.N.	ENV216	101314	2025/09/17	2026/09/16
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2025/09/18	2026/09/17
Rohde & Schwarz	Pulse Limiter	ESH3-Z2	100312	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.17	N0350	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					
Radiated Spurious Emission Test(Below 1GHz)					
Rohde & Schwarz	Test Receiver	ESR	102725	2025/09/18	2026/09/17
SONOMA INSTRUMENT	Amplifier	310N	186131	2025/03/26	2026/03/25
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2024/08/08	2027/08/07
Unknown	RF Coaxial Cable	No.12	N040	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.13	N300	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.14	N800	2025/05/30	2026/05/29
BACL	LOOP ANTENNA	1313-1A	3110711	2024/01/16	2027/01/15
Test Software: e3 191218 (V9)					
Radiated Spurious Emission Test(Above 1GHz)					
Rohde & Schwarz	Spectrum Analyzer	FSV40	101949	2025/09/17	2026/09/16
Decentest	Filter Switch Unit	DT7220FSU	DQ77927	2025/09/18	2026/09/17
Decentest	Multiplex Switch Test Control Set	DT7220CSU	DQ77924	2025/09/18	2026/09/17
A.H. Systems, inc.	Preamplifier	PAM-0118	226	2025/03/20	2026/03/19
Schwarzbeck	Horn Antenna	BBHA9120D	837	2026/01/29	2029/01/30
Unknown	RF Coaxial Cable	No.10	N050	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.11	N1000	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.19	N500	2025/05/30	2026/05/29
Schwarzbeck	HORN ANTENNA	BBHA9170	9170-359	2023/12/12	2026/12/11
BACL	Amplifier	BACL-1313-A1840	4012521	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.15	N600	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.16	N650	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted test					
Rohde&Schwarz	Spectrum Analyzer	FSV-40	101590	2026/09/17	2026/09/16
Anritsu	Microwave Peak Power Sensor	MA24418A	12619	2025/03/26	2026/03/25
WEINSCHEL	10dB Attenuator	5324	AU 3842	2025/03/26	2026/03/25
Test Software: JDAutoTestSystem V1.0.0					

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

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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

a. Antenna must be permanently attached to the unit.
b. Antenna must use a unique type of connector to attach to the EUT.
c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

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

Antenna Connector Construction

The EUT has two external antennas arrangement for 5G Wi-Fi, which use a unique type of connector to attach to the EUT, fulfill the requirement of this section. Please refer to the EUT photos.

Frequency Range	Antenna gain
5150-5250MHz	Ant0: 5 dBi, Ant1: 5 dBi

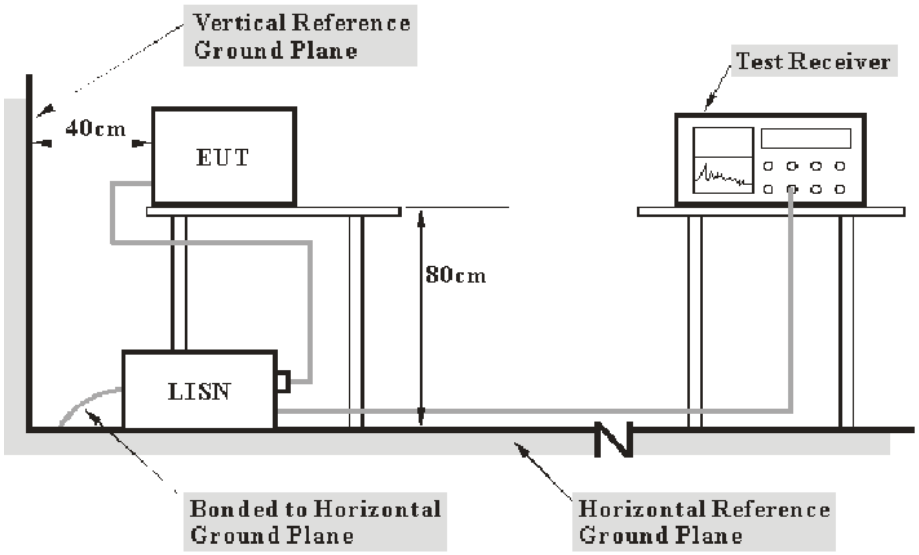
Result: Compliance.

AC CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207, §15.407(b) (9)

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 C63.10-2020 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.

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 + 10dB Attenuation(Limiter)

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

Test Data

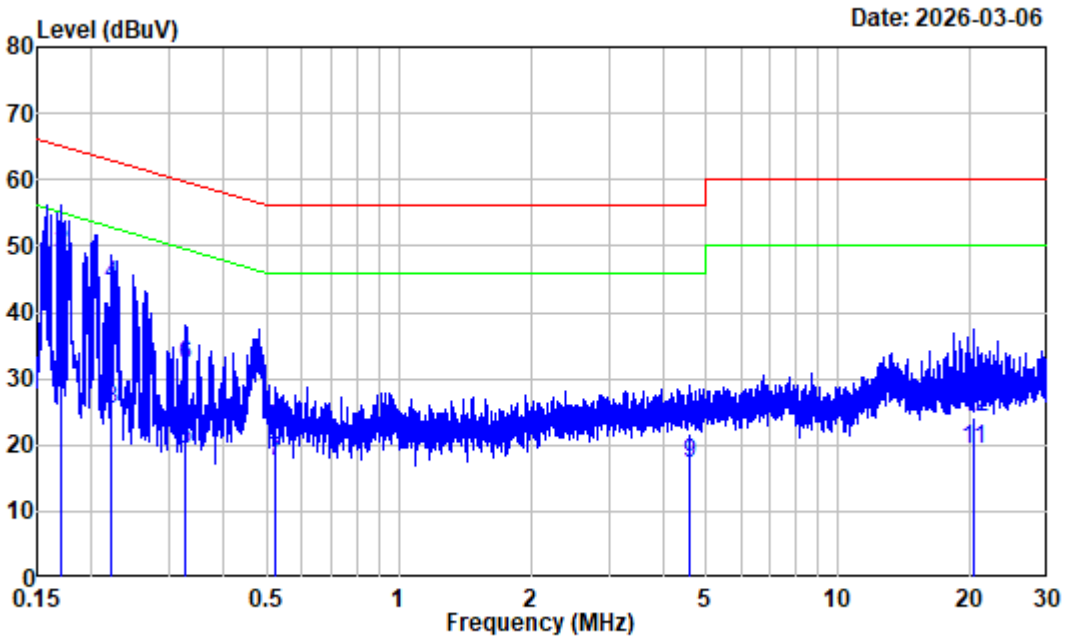
Environmental Conditions

Temperature:	22.8℃
Relative Humidity:	39 %
ATM Pressure:	100.4 kPa
Test Engineer:	Homelander Dai
Test Date:	2026-03-06
EUT Operation Mode:	5G WIFI Transmitting

Test Result: Compliance, please refer to the below data.

Note: The pre-scan maximum output power mode and channel: 802.11a Middle Channel 5200MHz was tested.

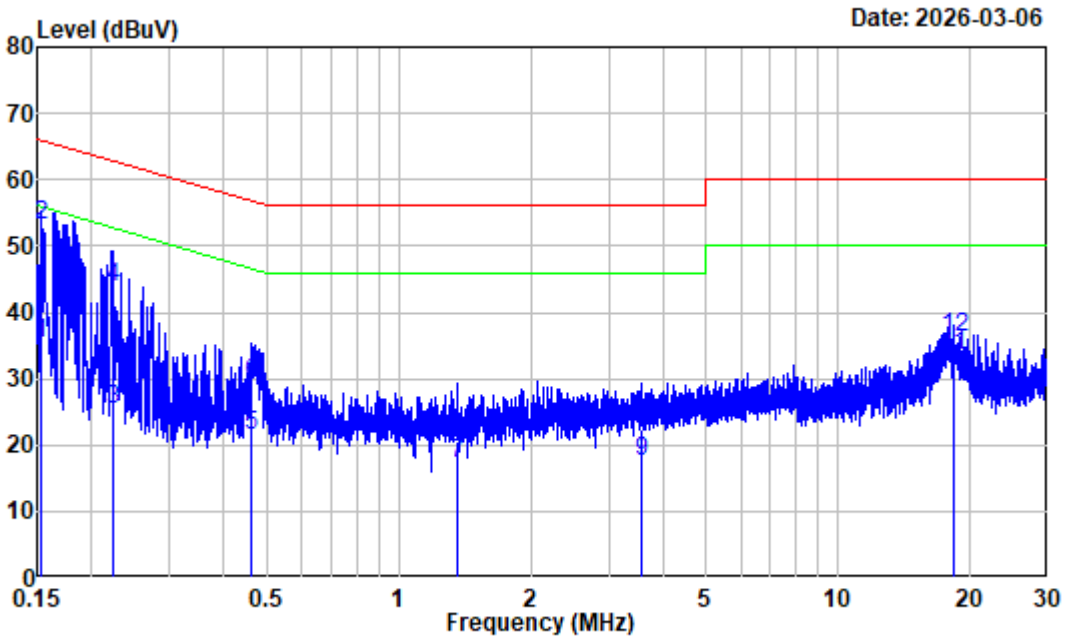
AC 120V/60Hz, Line:



Site : Shielding Room
Condition : Line
Job No. : 2604Q36815E-RF
Test Mode : Transmitting
Tester : Homelander Dai
Receiver Setting: IF B/W 9kHz PK/AV

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.170	19.83	9.89	29.72	54.95	-25.23	Average
2	0.170	19.83	28.96	48.79	64.95	-16.16	QP
3	0.221	19.97	5.43	25.40	52.77	-27.37	Average
4	0.221	19.97	24.17	44.14	62.77	-18.63	QP
5	0.326	20.00	-0.71	19.29	49.54	-30.25	Average
6	0.326	20.00	11.85	31.85	59.54	-27.69	QP
7	0.525	20.03	-2.39	17.64	46.00	-28.36	Average
8	0.525	20.03	2.40	22.43	56.00	-33.57	QP
9	4.598	21.62	-4.37	17.25	46.00	-28.75	Average
10	4.598	21.62	0.14	21.76	56.00	-34.24	QP
11	20.270	23.98	-4.55	19.43	50.00	-30.57	Average
12	20.270	23.98	0.02	24.00	60.00	-36.00	QP

AC 120V/60Hz, Neutral:



Site : Shielding Room
Condition : Neutral
Job No. : 2604Q36815E-RF
Test Mode : Transmitting
Tester : Homelander Dai
Receiver Setting: IF B/W 9kHz PK/AV

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.153	19.87	15.31	35.18	55.83	-20.65	Average
2	0.153	19.87	33.35	53.22	65.83	-12.61	QP
3	0.223	19.92	5.40	25.32	52.72	-27.40	Average
4	0.223	19.92	23.92	43.84	62.72	-18.88	QP
5	0.462	20.02	1.42	21.44	46.66	-25.22	Average
6	0.462	20.02	9.29	29.31	56.66	-27.35	QP
7	1.356	20.65	-3.51	17.14	46.00	-28.86	Average
8	1.356	20.65	-0.04	20.61	56.00	-35.39	QP
9	3.570	21.27	-3.90	17.37	46.00	-28.63	Average
10	3.570	21.27	1.08	22.35	56.00	-33.65	QP
11	18.304	23.88	9.63	33.51	50.00	-16.49	Average
12	18.304	23.88	12.43	36.31	60.00	-23.69	QP

UNDESIRABLE EMISSION

Applicable Standard

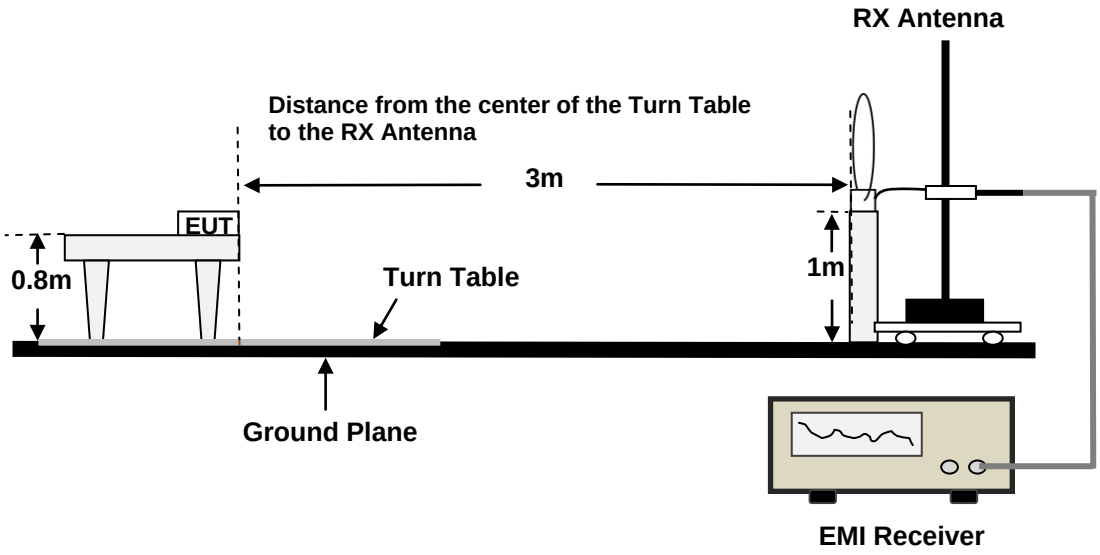
FCC §15.407 (b); §15.209; §15.205;

(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.

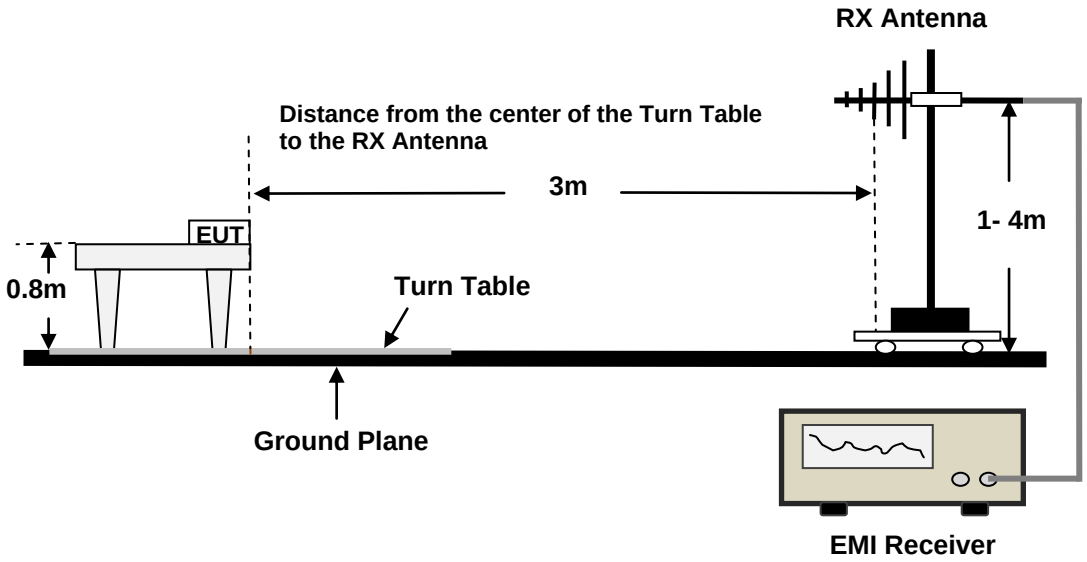
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

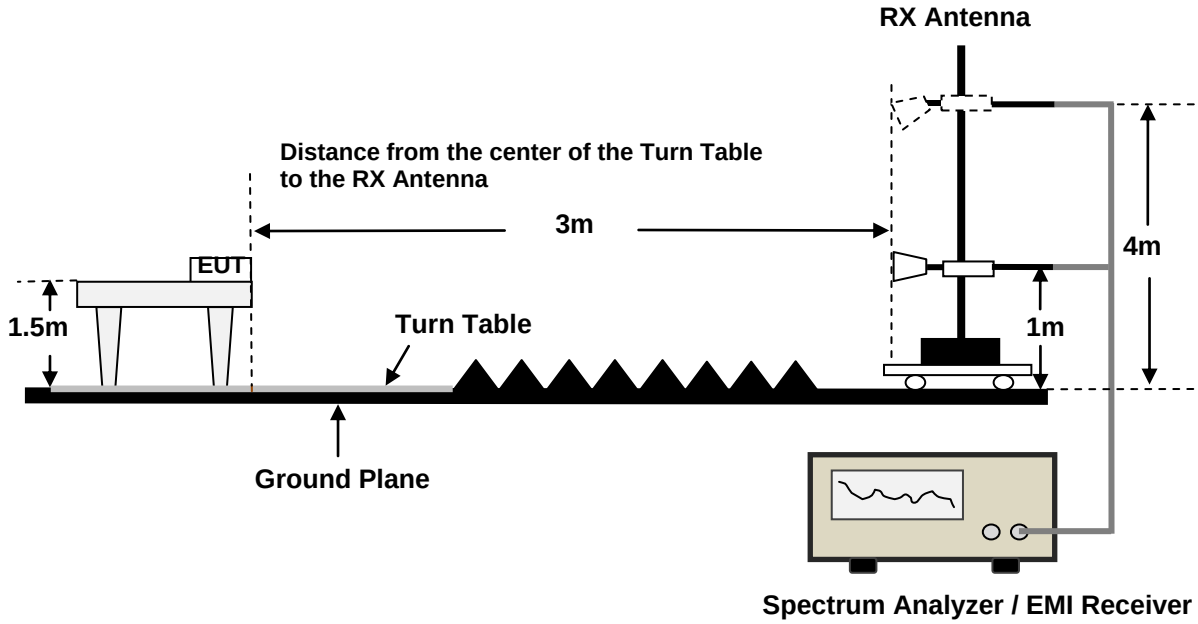
9kHz - 30MHz:



30MHz - 1GHz:



Above 1GHz:



The radiated emission performed in the 3 meters, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, FCC 15.407 limits.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9kHz to 40GHz.

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	Detector
9kHz - 150kHz	PK	0.3kHz	1kHz	/	PK
	QP/AV	/	/	200Hz	QP/AV
150kHz - 30MHz	PK	10kHz	30kHz	/	PK
	QP/AV	/	/	9kHz	QP/AV
30MHz - 1000MHz	PK	100kHz	300kHz	/	PK
	QP	/	/	120kHz	QP

1GHz -40GHz:
Pre-scan:

Measurement	Detector	Duty cycle	RBW	Video B/W
PK	Peak	Any	1MHz	3MHz
Ave.	Peak	>98%	1MHz	3kHz
		<98%	1MHz	≥1/T, no less than 3 kHz

Final measurement for emission identified during the pre-scan:

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

Note 1: T is minimum transmission duration
Note 2: The 1GHz-18GHz testing use the notch filter.
Note 3: The band edge testing use 10dB attenuator.
Note 4: The filters and attenuators are all integrated within the filter switch unit.

Test Procedure

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

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

According to FCC §15.209(e), the provisions in §15.31, 15.33, and 15.35 for measuring emissions at distances other than the distances specified in the above table, determining the frequency range over which radiated emissions are to be measured, and limiting peak emissions apply to all devices operated under this part.

According to FCC§15.31 measurement standard (f)(2), at frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

For 9kHz-30MHz, test distance is 3m, extrapolation limit shall be calculated using Equation:

$$E_{limit-measure} = E_{limit-Standard} + 40 \times \log10(\frac{d_{Standard}}{d_{measure}})$$

Note 1: If the maximized peak measured value is under the QP/Average limit by more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Note 2: For above 1GHz, the test result of peak was 20dB below to the limit of peak, which can be compliant to the average limit, so just peak value was recorded.

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

Test Data

For Radiated Spurious Emissions, after pre-scan in the Y and Z axes of orientation, the worst case as setup photos was recorded.

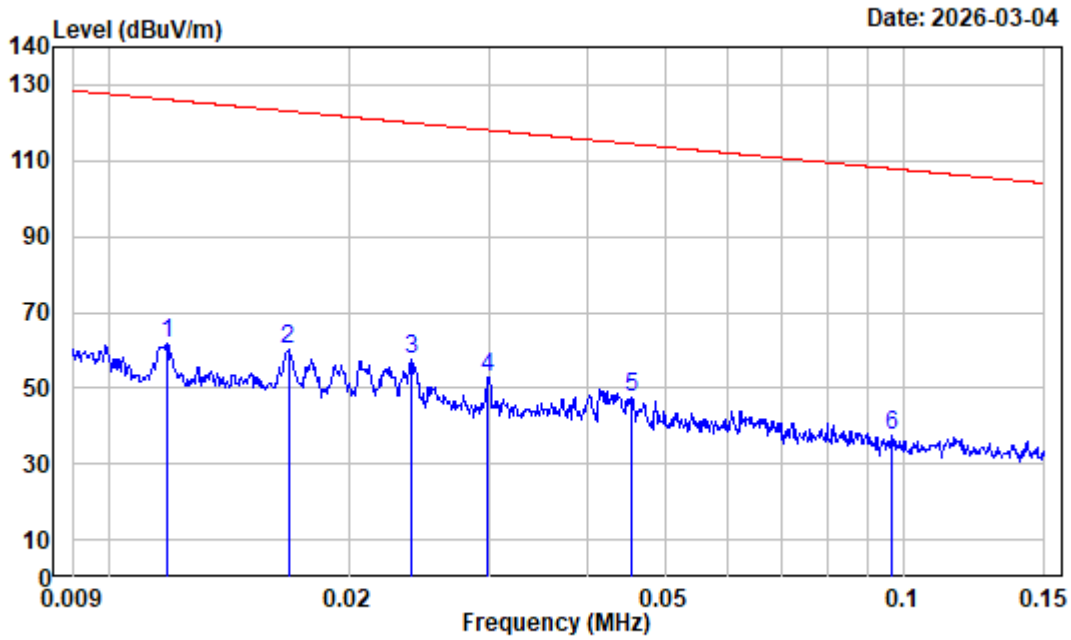
Temperature:	22.6℃
Relative Humidity:	55%
ATM Pressure:	100.4kPa
Test Engineer:	Jayden Luo
Test Date:	2026-03-04
EUT Operation Mode:	5G WIFI Transmitting

Test Result: Compliance, please refer to the below data.

Note 1: The Loop Antenna were tested in parallel, perpendicular, and ground-parallel. The worst orientation was parallel and the data was recorded in report.

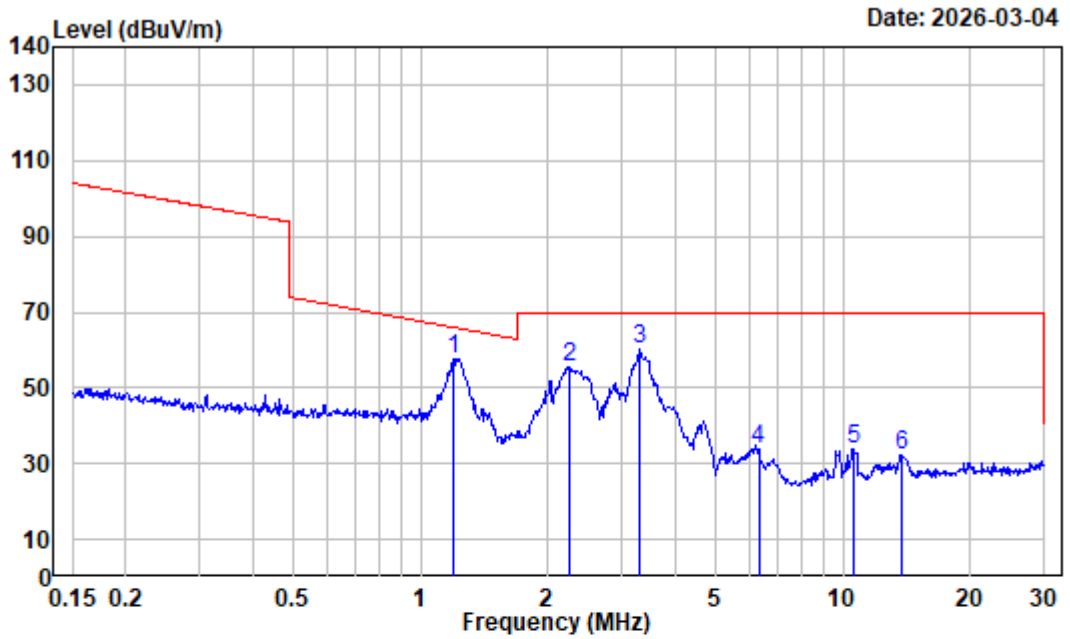
Note 2: The pre-scan maximum output power mode and channel: 802.11a Middle Channel 5200MHz was tested.

9kHz~30MHz:



Site : chamber
Condition : 3m
Job No. : 2604Q36815E-RF
Polarization : Parallel Tester: Jayden Luo
Test Mode : 5G WIFI Transmitting
Receiver Setting: RBW:300Hz VBW:1kHz

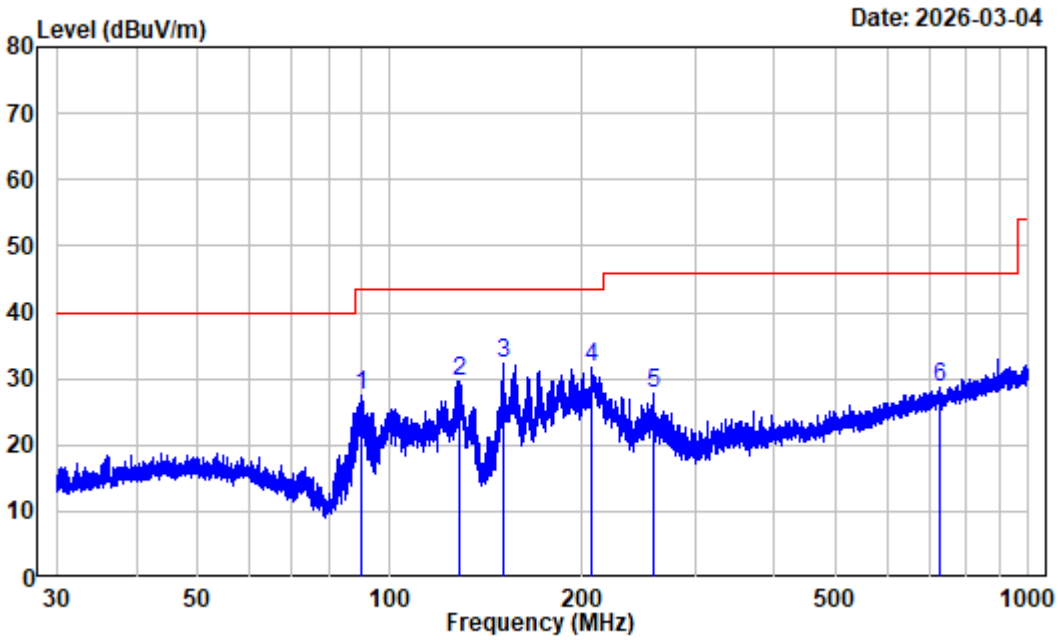
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.012	35.00	27.07	62.07	126.13	-64.06	Peak
2	0.017	32.81	27.54	60.35	123.09	-62.74	Peak
3	0.024	29.63	27.95	57.58	120.02	-62.44	Peak
4	0.030	26.99	25.89	52.88	118.09	-65.21	Peak
5	0.045	23.77	23.88	47.65	114.47	-66.82	Peak
6	0.096	16.81	20.80	37.61	107.92	-70.31	Peak



Site : chamber
Condition : 3m
Job No. : 2604Q36815E-RF
Polarization : Parallel Tester: Jayden Luo
Test Mode : 5G WIFI Transmitting
Receiver Setting: RBW:10kHz VBW:30kHz

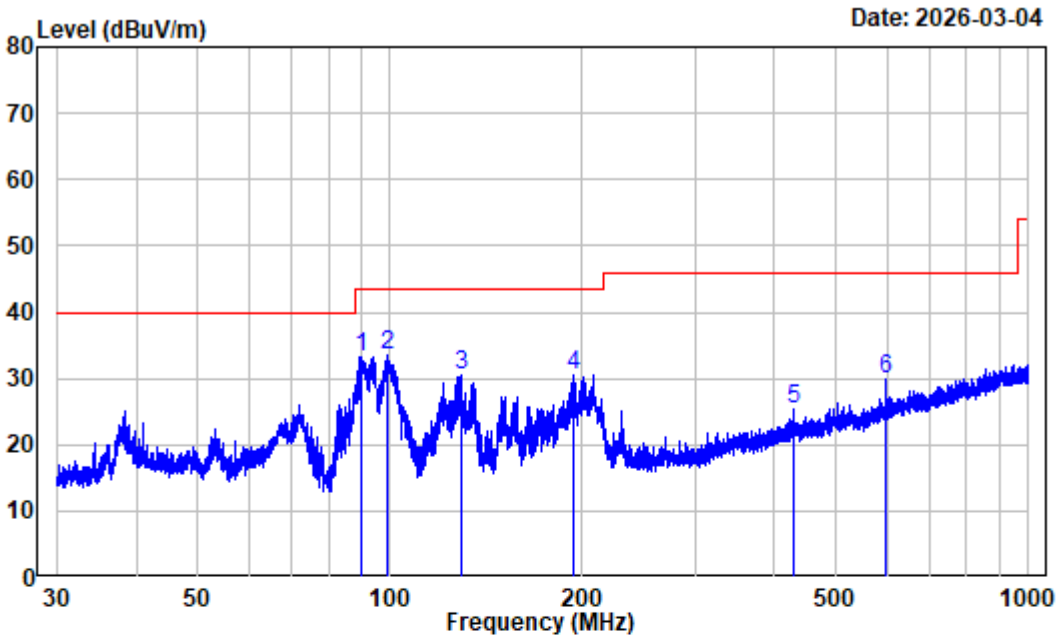
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1.197	-2.53	60.34	57.81	65.88	-8.07	Peak
2	2.249	-5.49	61.18	55.69	69.54	-13.85	Peak
3	3.293	-5.97	66.06	60.09	69.54	-9.45	Peak
4	6.319	-6.14	39.94	33.80	69.54	-35.74	Peak
5	10.564	-5.21	39.09	33.88	69.54	-35.66	Peak
6	13.768	-4.35	36.44	32.09	69.54	-37.45	Peak

30MHz~1GHz:



Site : chamber
Condition : 3m HORIZONTAL
Job No. : 2604Q36815E-RF Tester: Jayden Luo
Test Mode : 5G WIFI Transmitting
Receiver Setting: RBW:100kHz VBW:300kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	90.181	-13.61	41.20	27.59	43.50	-15.91	Peak
2	128.001	-14.50	44.07	29.57	43.50	-13.93	Peak
3	150.472	-14.69	47.12	32.43	43.50	-11.07	Peak
4	206.217	-10.68	42.42	31.74	43.50	-11.76	Peak
5	257.761	-10.11	37.74	27.63	46.00	-18.37	Peak
6	728.081	-0.59	29.29	28.70	46.00	-17.30	Peak



Site : chamber
Condition : 3m VERTICAL
Job No. : 2604Q36815E-RF Tester: Jayden Luo
Test Mode : 5G WIFI Transmitting
Receiver Setting: RBW:100kHz VBW:300kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	90.102	-13.63	46.93	33.30	43.50	-10.20	Peak
2	98.746	-11.56	45.20	33.64	43.50	-9.86	Peak
3	129.241	-14.59	45.22	30.63	43.50	-12.87	Peak
4	194.198	-9.86	40.43	30.57	43.50	-12.93	Peak
5	429.335	-4.90	30.31	25.41	46.00	-20.59	Peak
6	598.009	-2.08	32.09	30.01	46.00	-15.99	Peak

1GHz-40GHz

Environmental Conditions

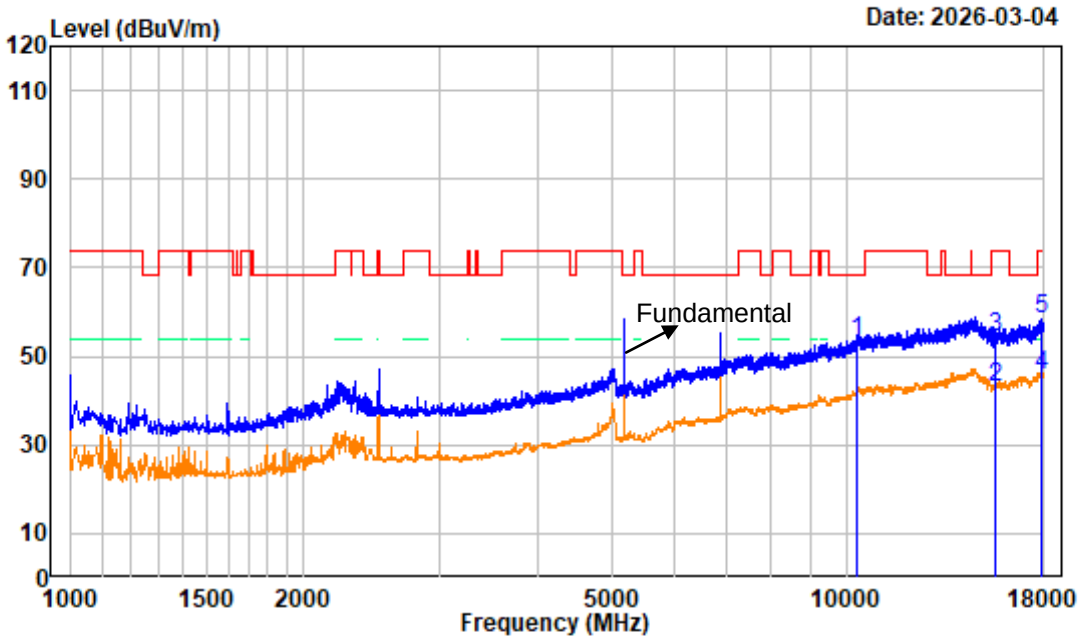
Temperature:	22.5-23.1℃
Relative Humidity:	53-56%
ATM Pressure:	100.4kPa
Test Engineer:	Max Tao
Test Date:	2026-03-04~2026-03-10
EUT Operation Mode:	Transmitting

Test Result: Compliance, please refer to the below data.

Note 1: For 1GHz-18GHz, the fundamental with band reject filter.

Note 2: For 18GHz-40GHz, the pre-scan maximum output power mode and channel: 802.11a Middle Channel 5200MHz was tested.

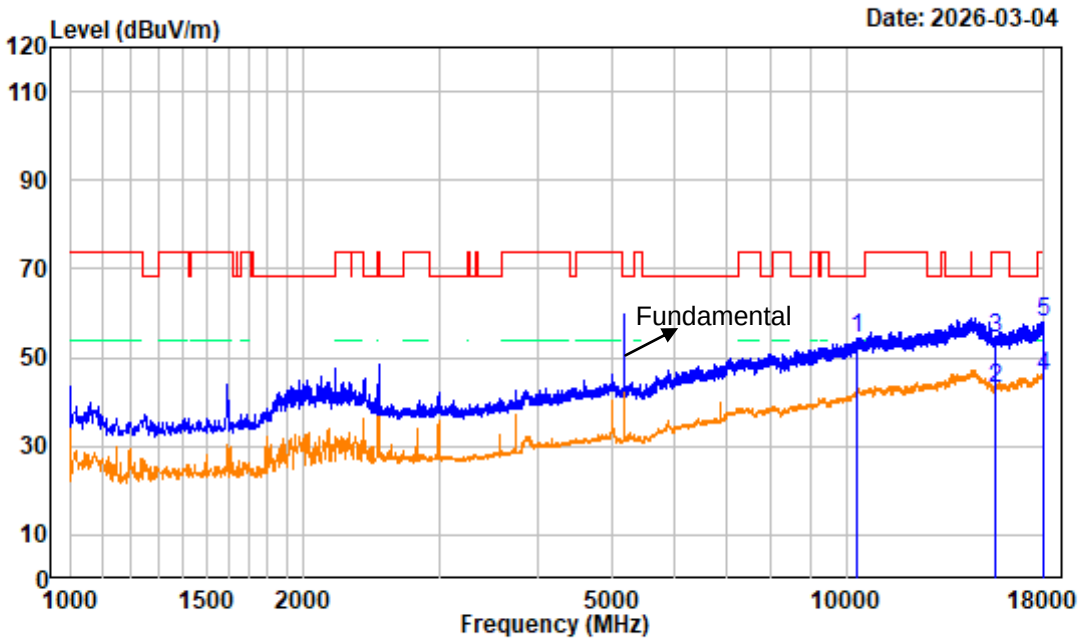
5G WIFI 802.11a Low Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Low Channel 5180MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	3.99	49.48	53.47	68.20	-14.73	Peak
2	15540.000	4.85	38.08	42.93	54.00	-11.07	Average
3	15540.000	4.85	49.39	54.24	74.00	-19.76	Peak
4	17838.500	8.16	37.52	45.68	54.00	-8.32	Average
5	17838.500	8.16	50.34	58.50	74.00	-15.50	Peak

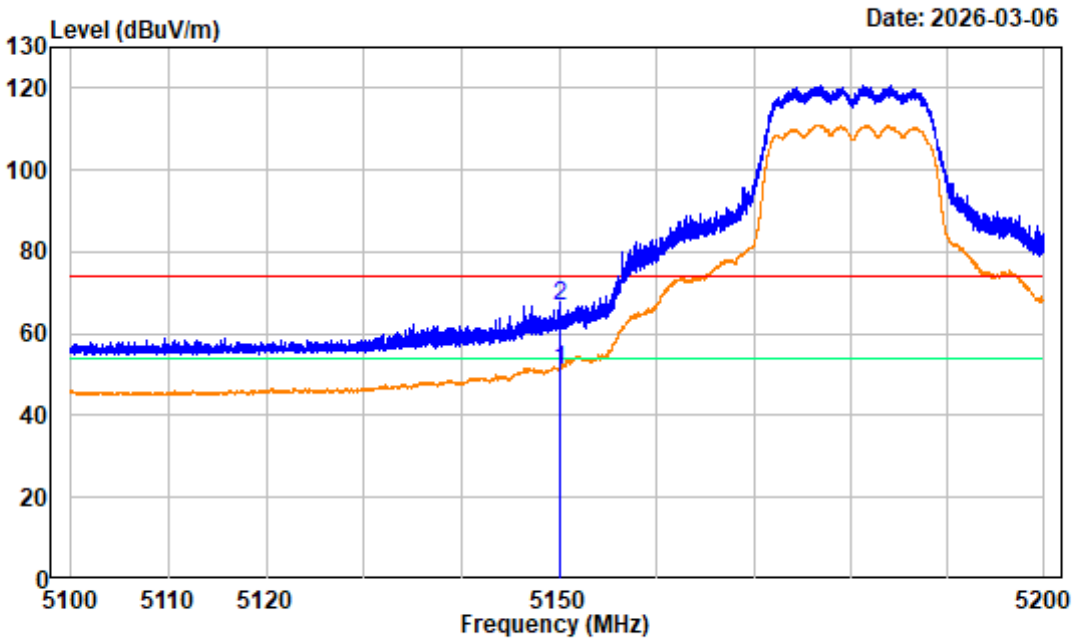
5G WIFI 802.11a Low Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Low Channel 5180MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	3.99	50.37	54.36	68.20	-13.84	Peak
2	15540.000	4.85	38.02	42.87	54.00	-11.13	Average
3	15540.000	4.85	49.43	54.28	74.00	-19.72	Peak
4	17978.750	8.32	37.53	45.85	54.00	-8.15	Average
5	17978.750	8.32	49.84	58.16	74.00	-15.84	Peak

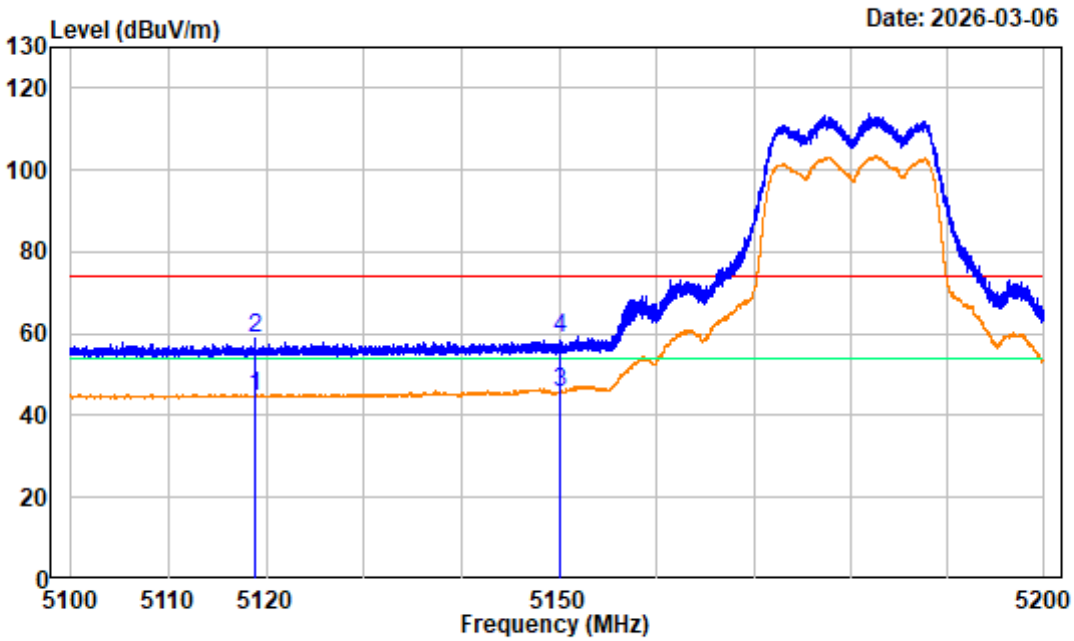
5G WIFI 802.11a Low Channel Bandedge_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Low Channel 5180MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	-6.04	57.21	51.17	54.00	-2.83	Average
2	5150.000	-6.04	72.93	66.89	74.00	-7.11	Peak

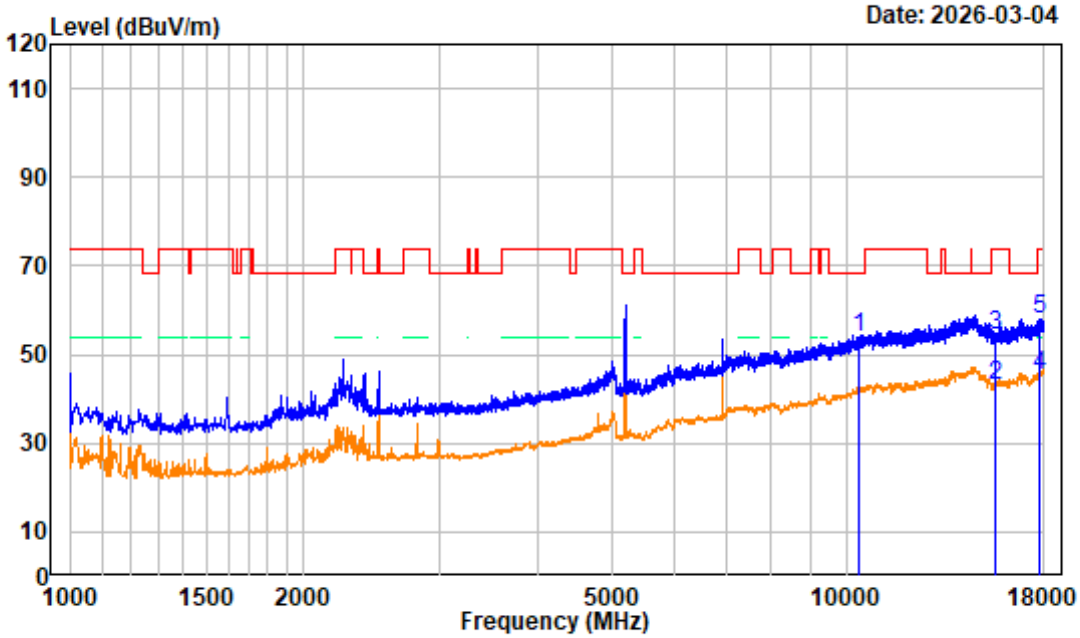
5G WIFI 802.11a Low Channel Bandedge_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Low Channel 5180MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5118.875	-6.00	50.59	44.59	54.00	-9.41	Average
2	5118.875	-6.00	64.81	58.81	74.00	-15.19	Peak
3	5150.000	-6.04	51.73	45.69	54.00	-8.31	Average
4	5150.000	-6.04	64.85	58.81	74.00	-15.19	Peak

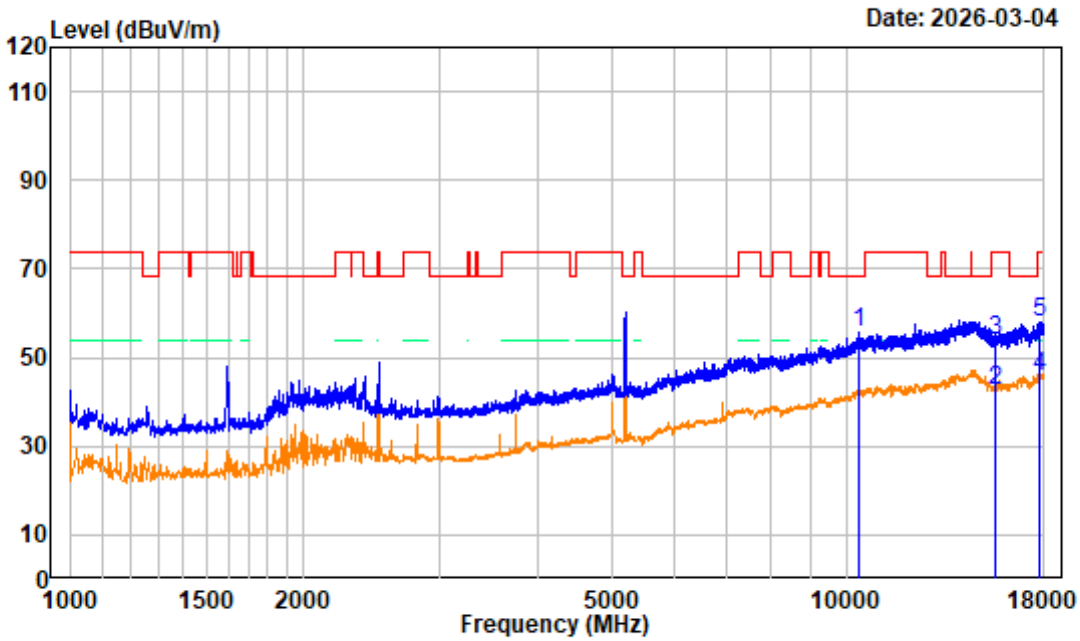
5G WIFI 802.11a Middle Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Middle Channel 5200MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10400.000	4.18	49.62	53.80	68.20	-14.40	Peak
2	15600.000	4.69	38.37	43.06	54.00	-10.94	Average
3	15600.000	4.69	49.58	54.27	74.00	-19.73	Peak
4	17730.130	7.72	37.48	45.20	54.00	-8.80	Average
5	17730.130	7.72	50.29	58.01	74.00	-15.99	Peak

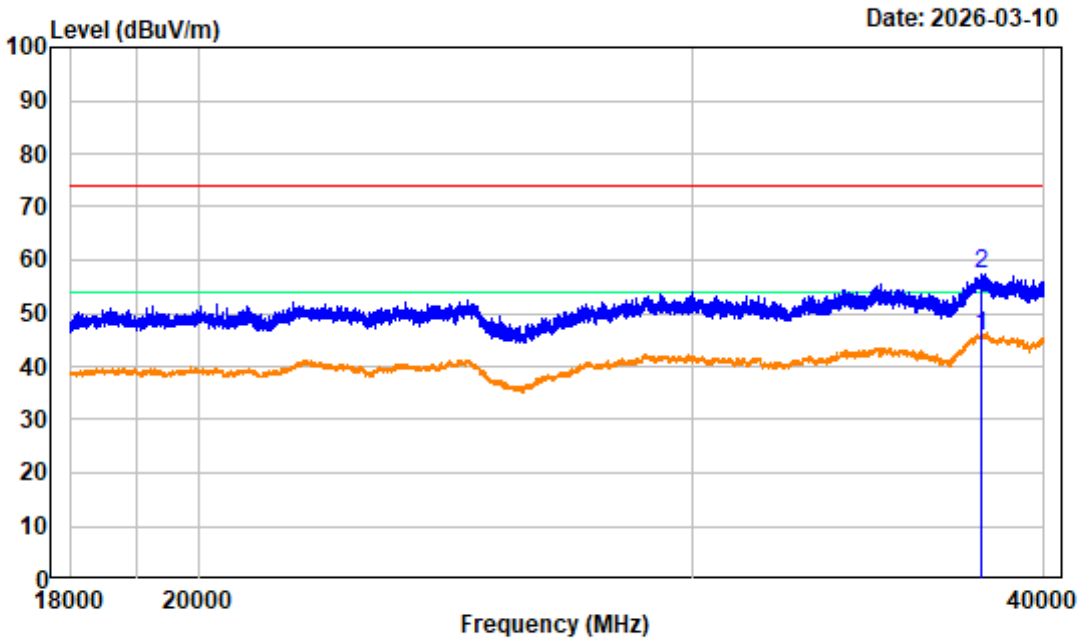
5G WIFI 802.11a Middle Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Middle Channel 5200MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10400.000	4.18	51.58	55.76	68.20	-12.44	Peak
2	15600.000	4.69	38.06	42.75	54.00	-11.25	Average
3	15600.000	4.69	49.38	54.07	74.00	-19.93	Peak
4	17793.880	7.62	37.91	45.53	54.00	-8.47	Average
5	17793.880	7.62	50.13	57.75	74.00	-16.25	Peak

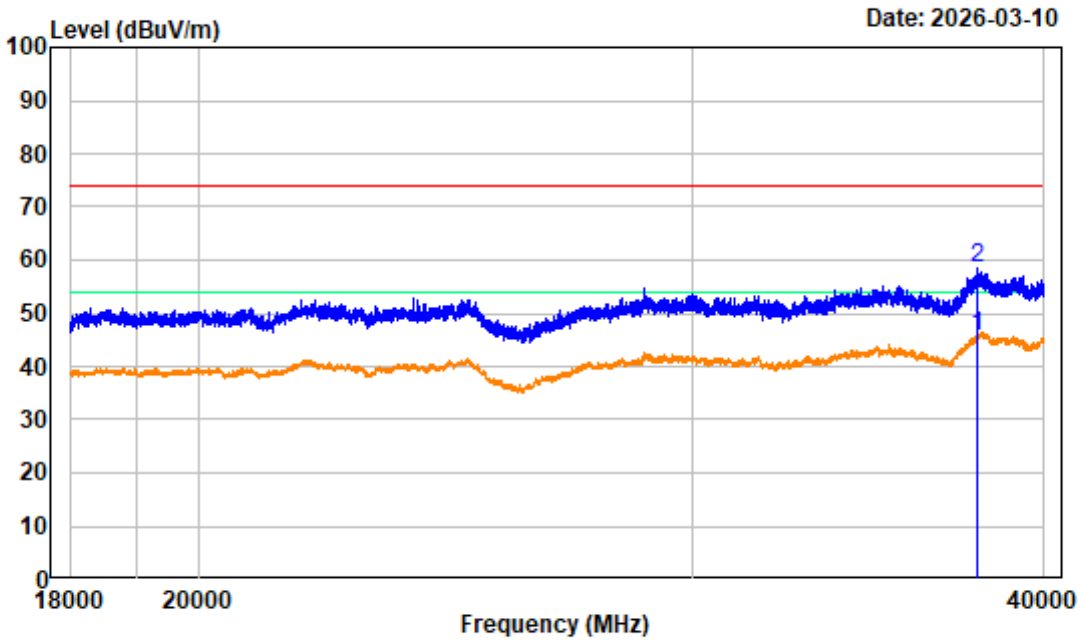
5G WIFI 802.11a Middle Channel 18GHz-40GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Middle Channel 5200MHz 18GHz-40GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	38003.500	8.03	37.81	45.84	54.00	-8.16	Average
2	38003.500	8.03	49.33	57.36	74.00	-16.64	Peak

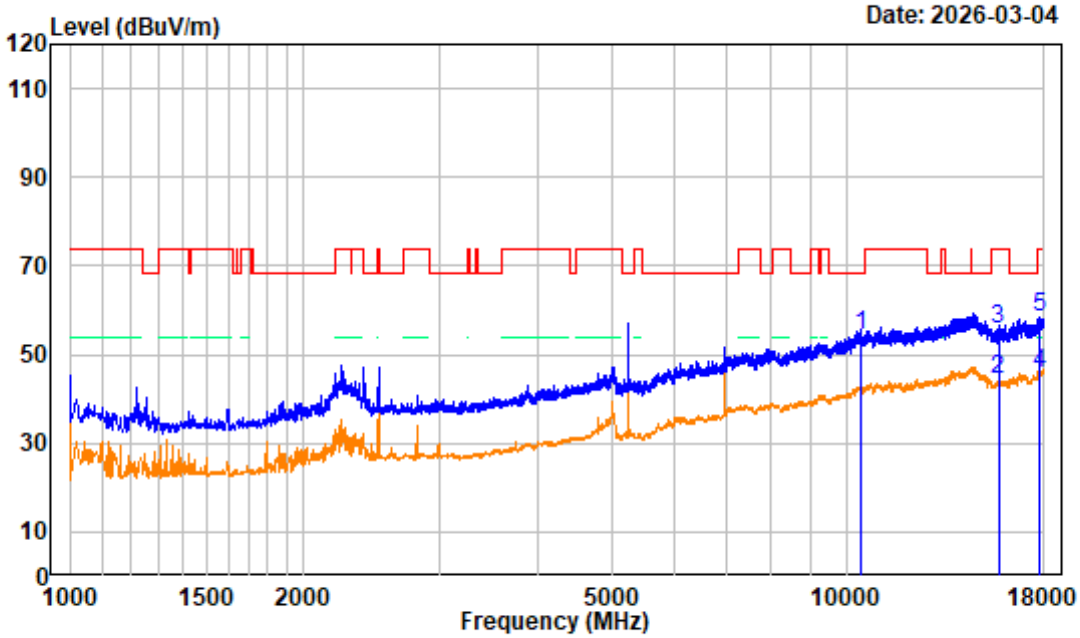
5G WIFI 802.11a Middle Channel 18GHz-40GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a Middle Channel 5200MHz 18GHz-40GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	37841.250	7.34	38.51	45.85	54.00	-8.15	Average
2	37841.250	7.34	51.03	58.37	74.00	-15.63	Peak

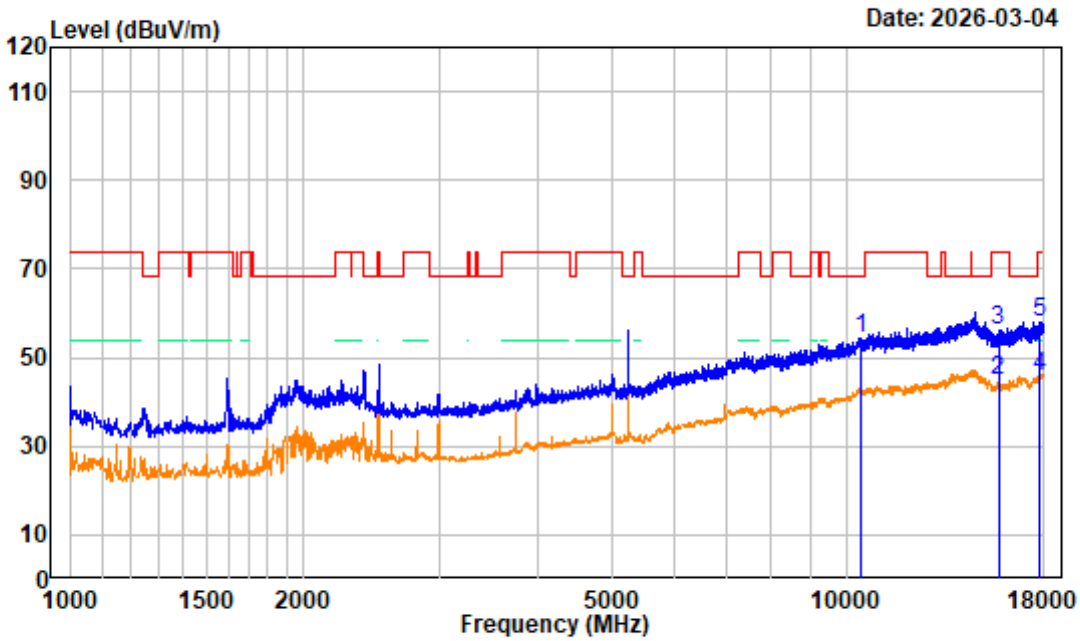
5G WIFI 802.11a High Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a High Channel 5240MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	4.01	50.36	54.37	68.20	-13.83	Peak
2	15720.000	4.85	39.40	44.25	54.00	-9.75	Average
3	15720.000	4.85	50.92	55.77	74.00	-18.23	Peak
4	17723.750	7.71	38.20	45.91	54.00	-8.09	Average
5	17723.750	7.71	50.72	58.43	74.00	-15.57	Peak

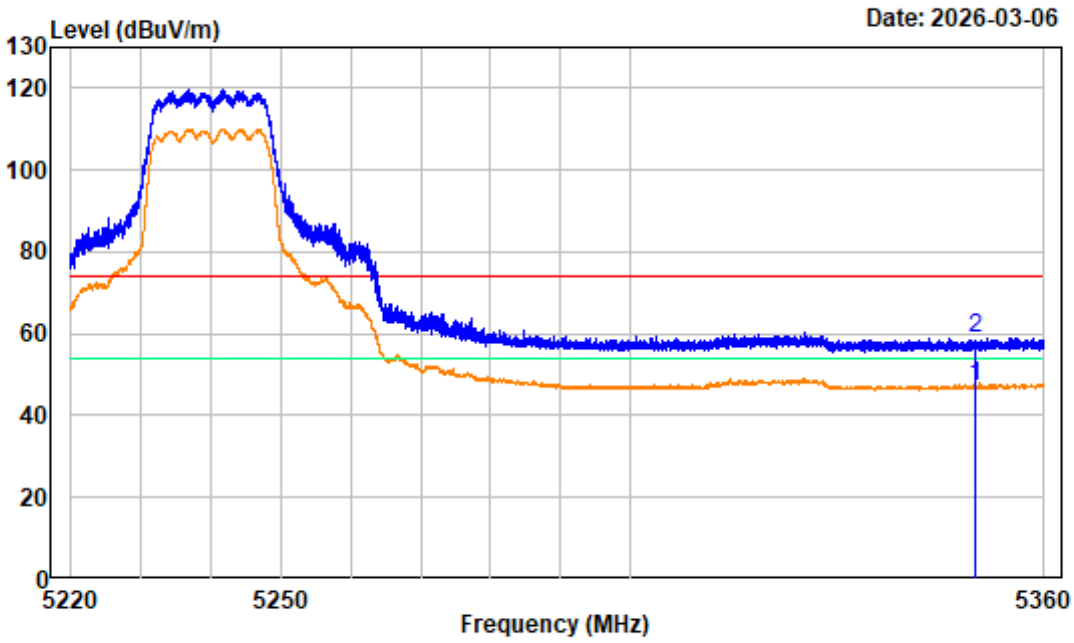
5G WIFI 802.11a High Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a High Channel 5240MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	4.01	50.42	54.43	68.20	-13.77	Peak
2	15720.000	4.85	39.85	44.70	54.00	-9.30	Average
3	15720.000	4.85	51.37	56.22	74.00	-17.78	Peak
4	17742.880	7.75	37.84	45.59	54.00	-8.41	Average
5	17742.880	7.75	50.16	57.91	74.00	-16.09	Peak

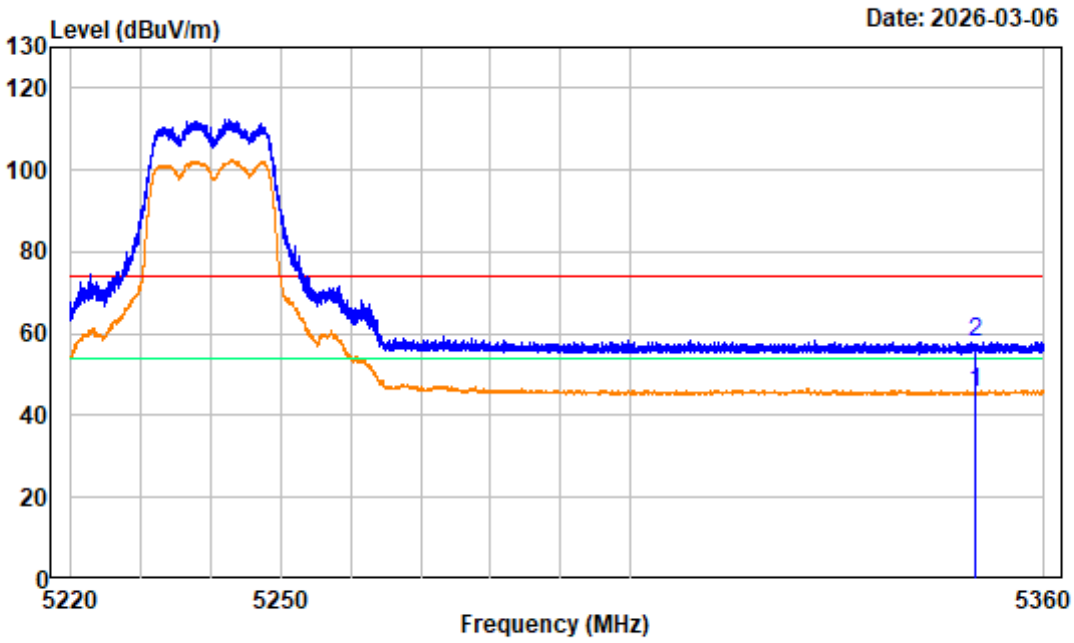
5G WIFI 802.11a High Channel Bandedge_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a High Channel 5240MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	-5.69	52.71	47.02	54.00	-6.98	Average
2	5350.000	-5.69	64.72	59.03	74.00	-14.97	Peak

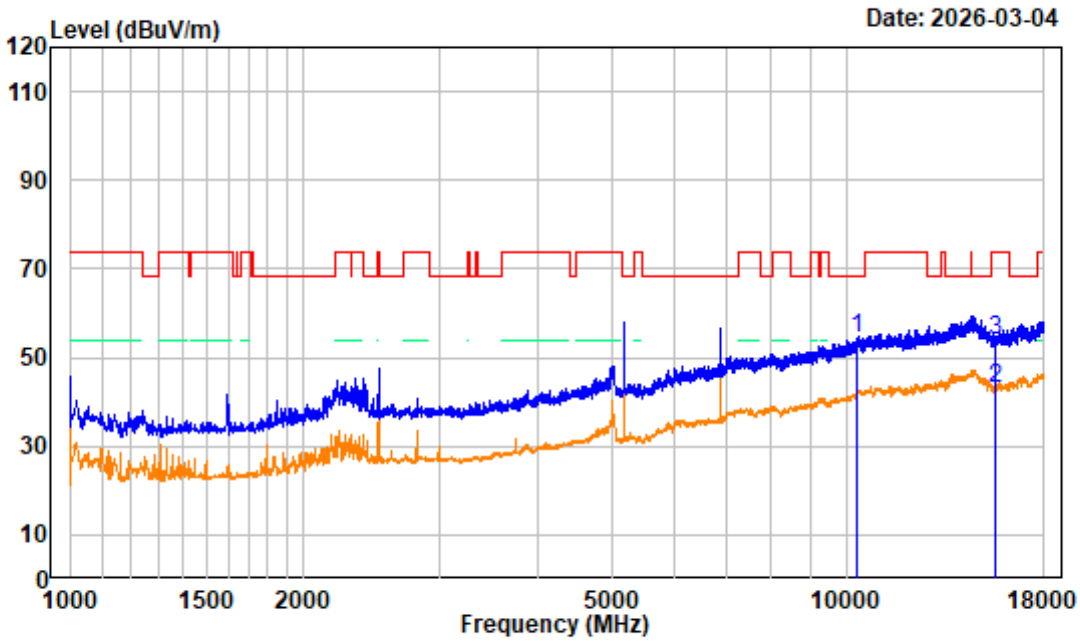
5G WIFI 802.11a High Channel Bandedge_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11a High Channel 5240MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	-5.69	51.11	45.42	54.00	-8.58	Average
2	5350.000	-5.69	63.62	57.93	74.00	-16.07	Peak

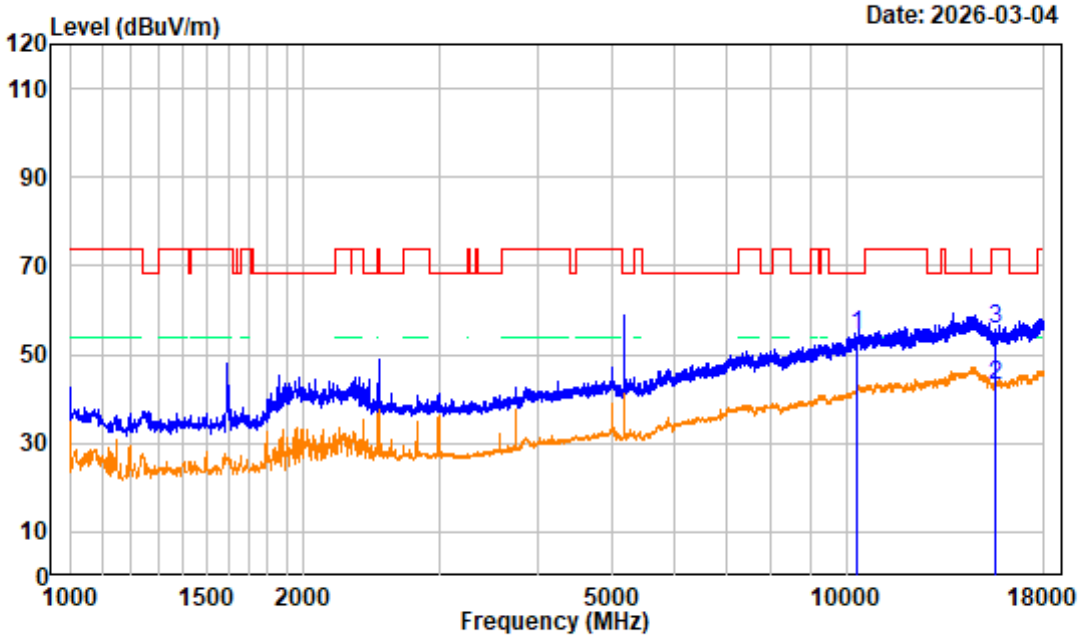
5G WIFI 802.11ac20 Low Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 Low Channel 5180MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	3.99	50.48	54.47	68.20	-13.73	Peak
2	15540.000	4.85	38.13	42.98	54.00	-11.02	Average
3	15540.000	4.85	49.24	54.09	74.00	-19.91	Peak

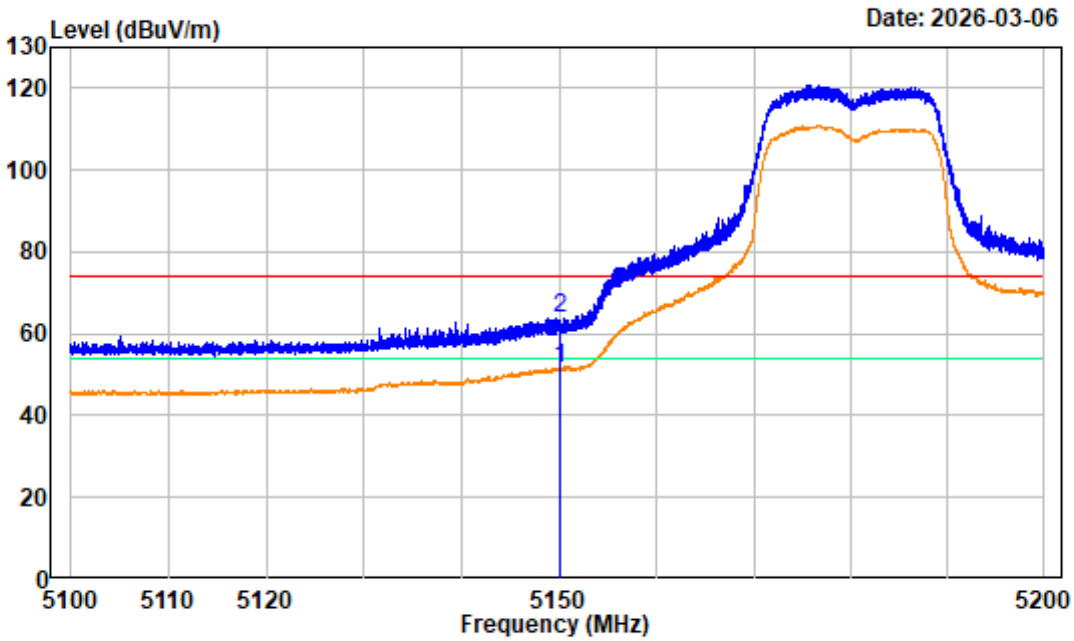
5G WIFI 802.11ac20 Low Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 Low Channel 5180MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	3.99	50.30	54.29	68.20	-13.91	Peak
2	15540.000	4.85	38.24	43.09	54.00	-10.91	Average
3	15540.000	4.85	50.95	55.80	74.00	-18.20	Peak

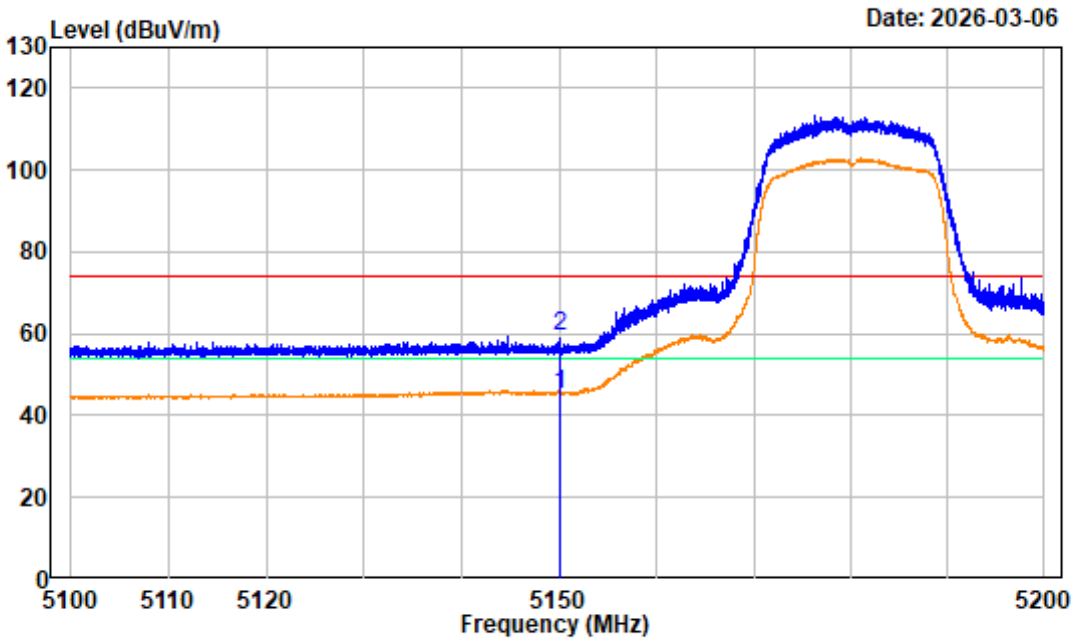
5G WIFI 802.11ac20 Low Channel Bandedge_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 Low Channel 5180MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	-6.04	57.35	51.31	54.00	-2.69	Average
2	5150.000	-6.04	69.97	63.93	74.00	-10.07	Peak

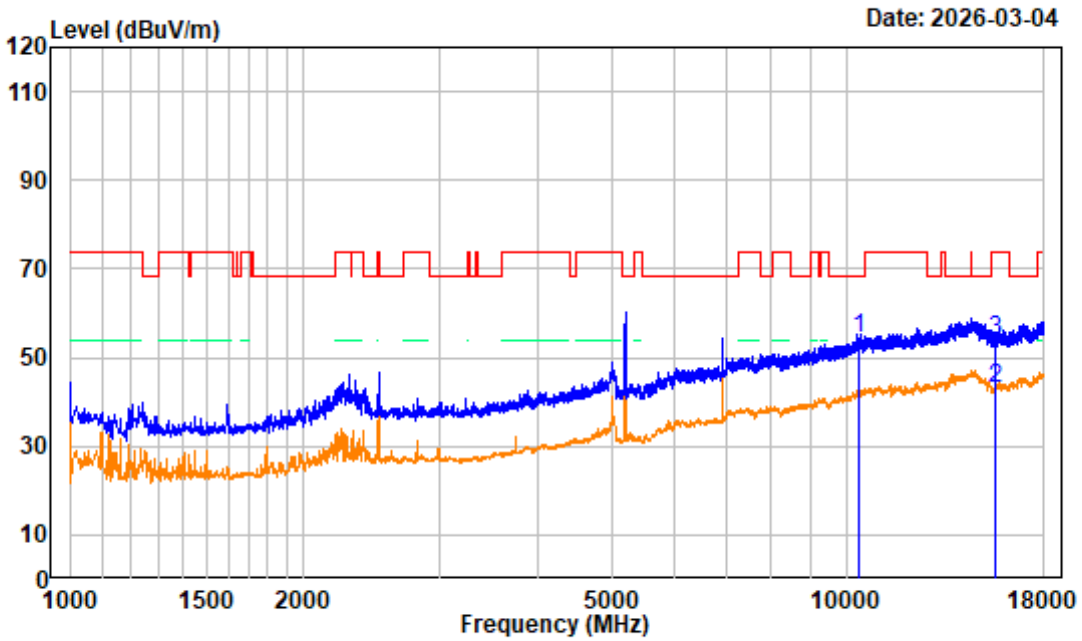
5G WIFI 802.11ac20 Low Channel Bandedge_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 Low Channel 5180MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	-6.04	51.35	45.31	54.00	-8.69	Average
2	5150.000	-6.04	65.27	59.23	74.00	-14.77	Peak

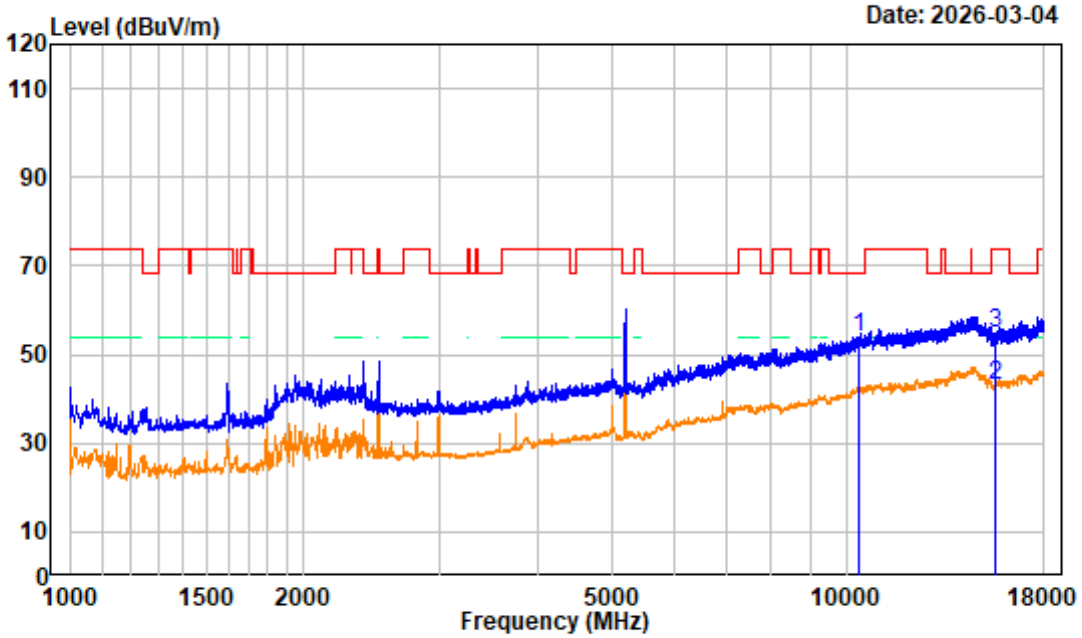
5G WIFI 802.11ac20 Middle Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 Middle Channel 5200MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10400.000	4.18	50.11	54.29	68.20	-13.91	Peak
2	15600.000	4.69	38.31	43.00	54.00	-11.00	Average
3	15600.000	4.69	49.02	53.71	74.00	-20.29	Peak

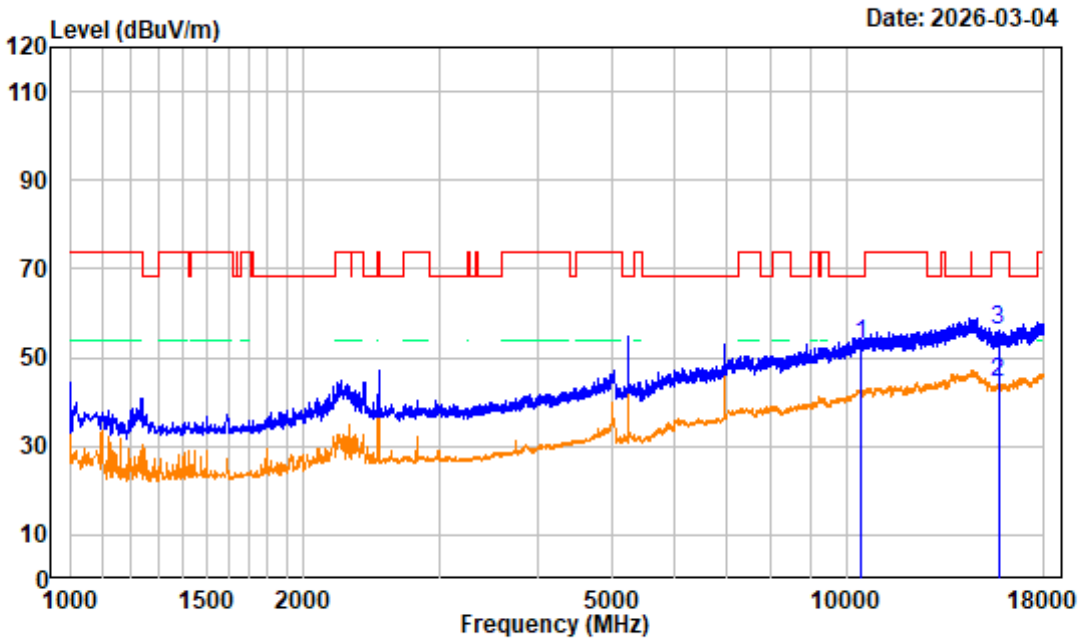
5G WIFI 802.11ac20 Middle Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 Middle Channel 5200MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10400.000	4.18	49.89	54.07	68.20	-14.13	Peak
2	15600.000	4.69	38.52	43.21	54.00	-10.79	Average
3	15600.000	4.69	50.30	54.99	74.00	-19.01	Peak

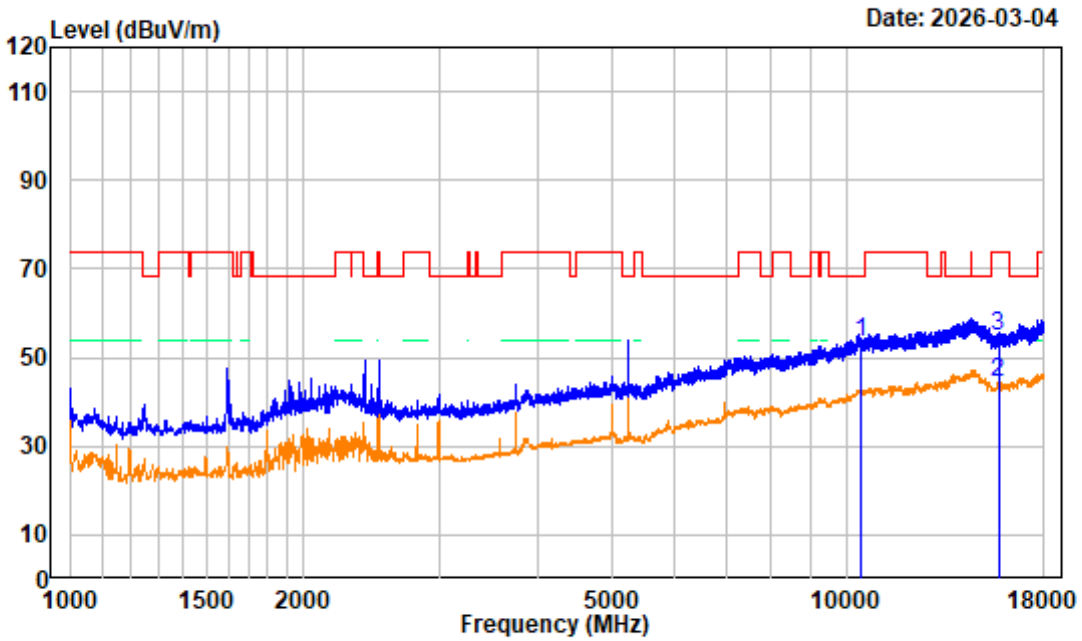
5G WIFI 802.11ac20 High Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 High Channel 5240MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	4.01	49.02	53.03	68.20	-15.17	Peak
2	15720.000	4.85	39.57	44.42	54.00	-9.58	Average
3	15720.000	4.85	51.08	55.93	74.00	-18.07	Peak

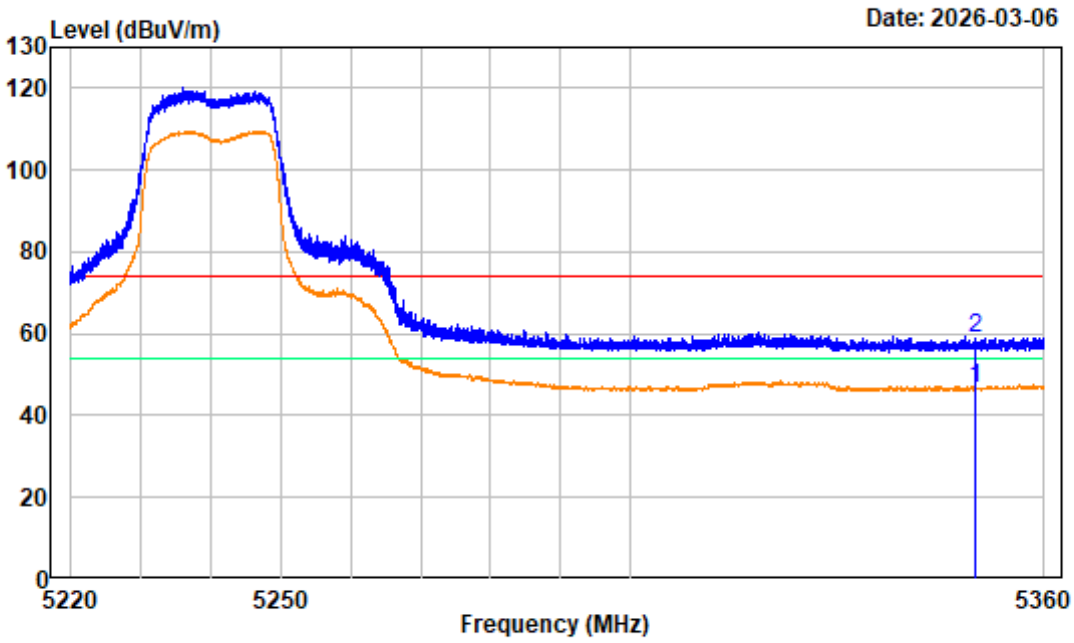
5G WIFI 802.11ac20 High Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 High Channel 5240MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	4.01	49.50	53.51	68.20	-14.69	Peak
2	15720.000	4.85	39.65	44.50	54.00	-9.50	Average
3	15720.000	4.85	50.07	54.92	74.00	-19.08	Peak

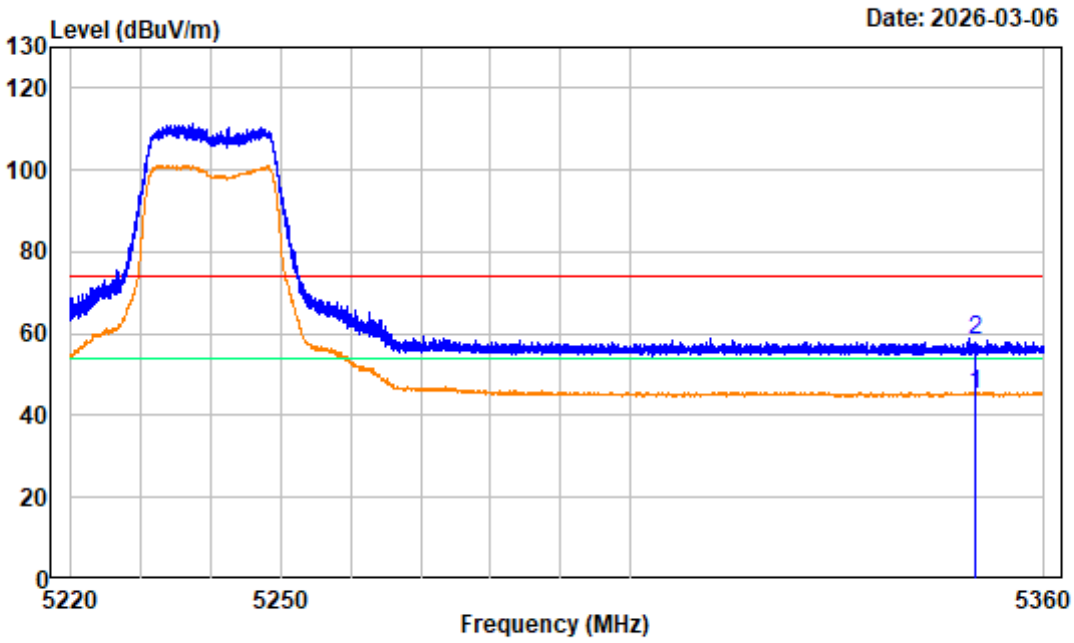
5G WIFI 802.11ac20 High Channel Bandedge_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 High Channel 5240MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	-5.69	52.17	46.48	54.00	-7.52	Average
2	5350.000	-5.69	64.78	59.09	74.00	-14.91	Peak

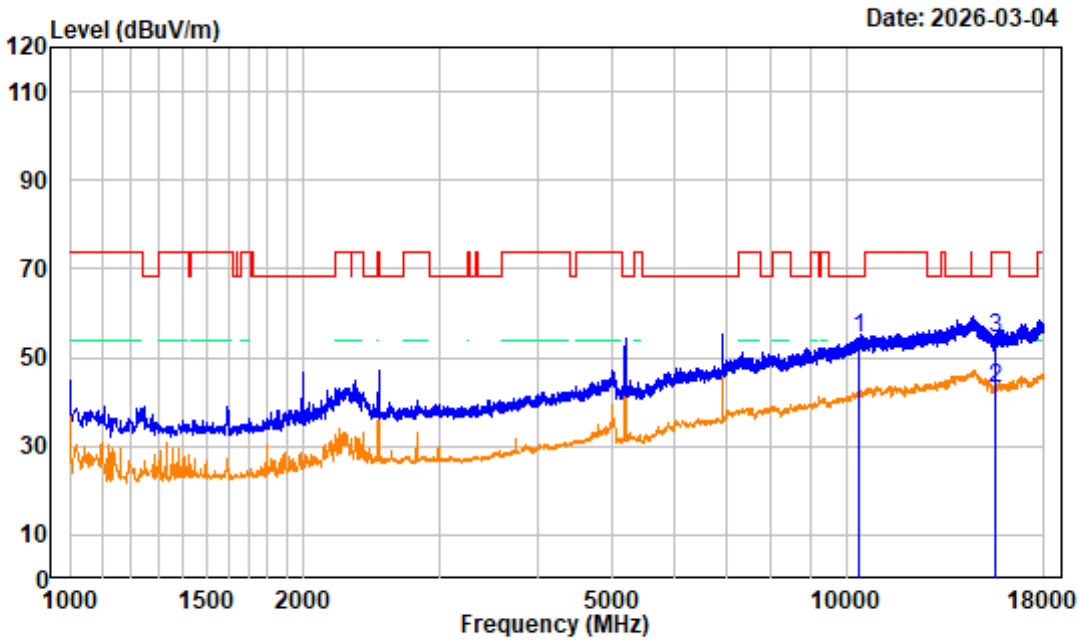
5G WIFI 802.11ac20 High Channel Bandedge_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac20 High Channel 5240MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	-5.69	50.63	44.94	54.00	-9.06	Average
2	5350.000	-5.69	64.14	58.45	74.00	-15.55	Peak

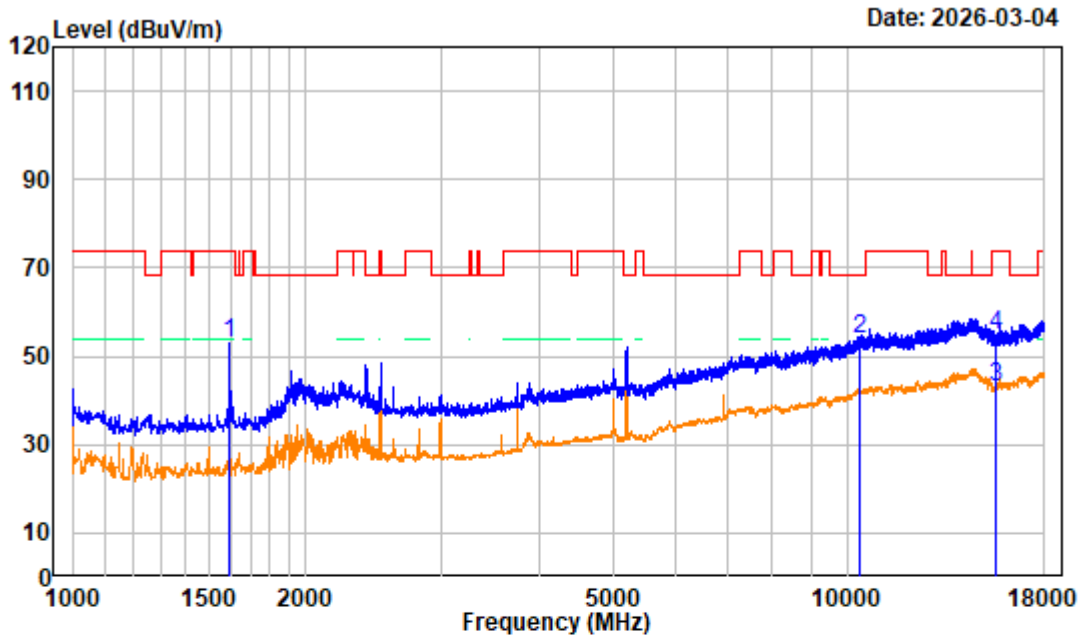
5G WIFI 802.11ac40 Low Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 Low Channel 5190MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10380.000	4.09	50.26	54.35	68.20	-13.85	Peak
2	15570.000	4.80	38.24	43.04	54.00	-10.96	Average
3	15570.000	4.80	49.46	54.26	74.00	-19.74	Peak

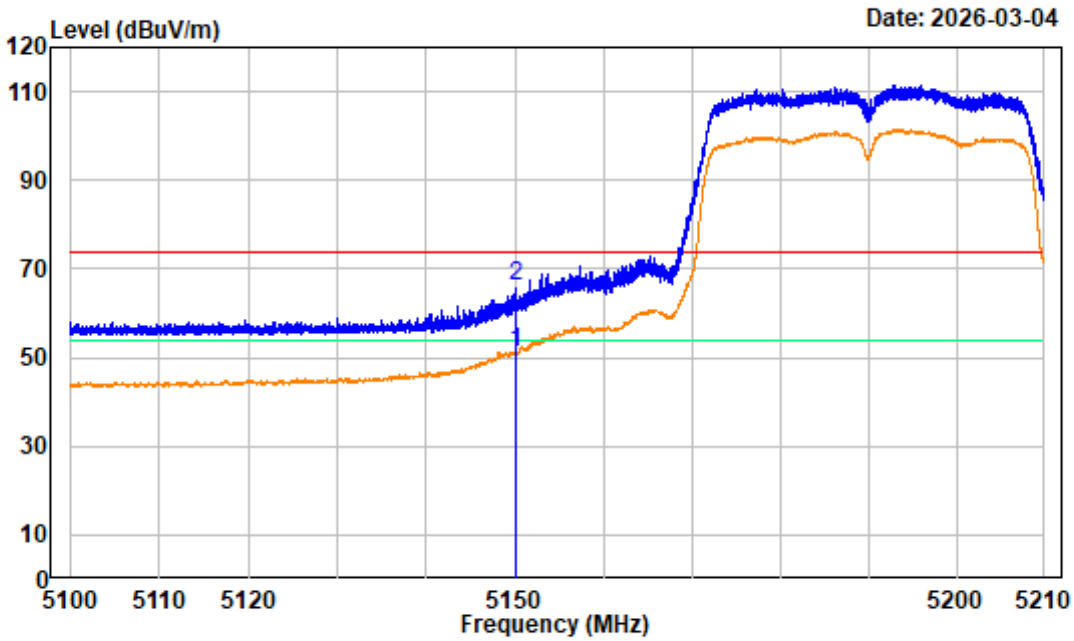
5G WIFI 802.11ac40 Low Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 Low Channel 5190MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1592.875	-13.55	66.49	52.94	74.00	-21.06	Peak
2	10380.000	4.09	49.71	53.80	68.20	-14.40	Peak
3	15570.000	4.80	38.03	42.83	54.00	-11.17	Average
4	15570.000	4.80	49.85	54.65	74.00	-19.35	Peak

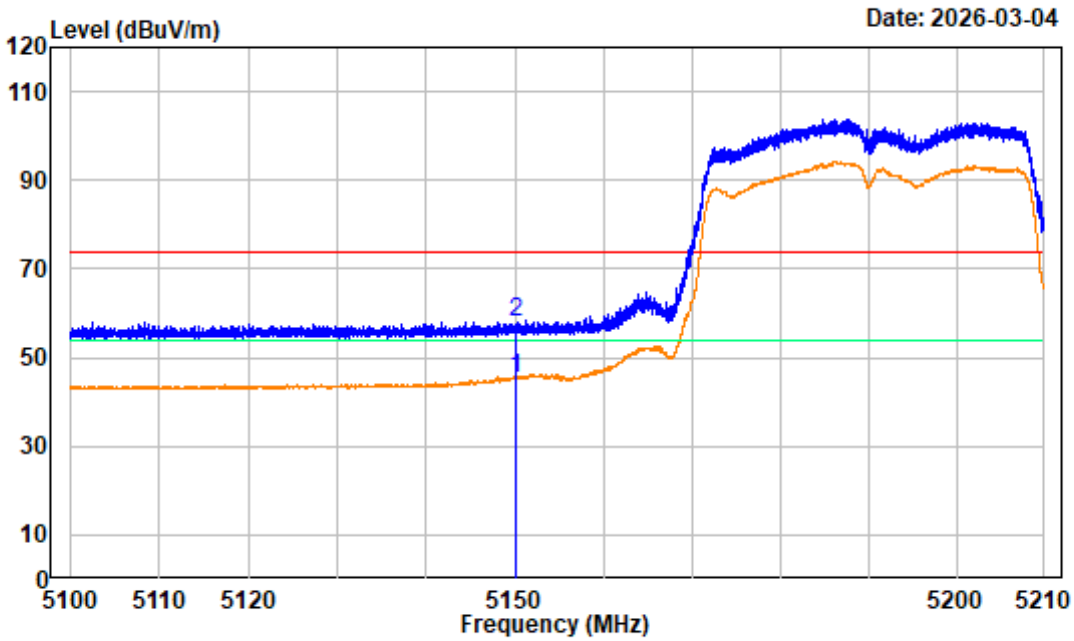
5G WIFI 802.11ac40 Low Channel Bandedge_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 Low Channel 5190MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	-6.04	57.02	50.98	54.00	-3.02	Average
2	5150.000	-6.04	72.01	65.97	74.00	-8.03	Peak

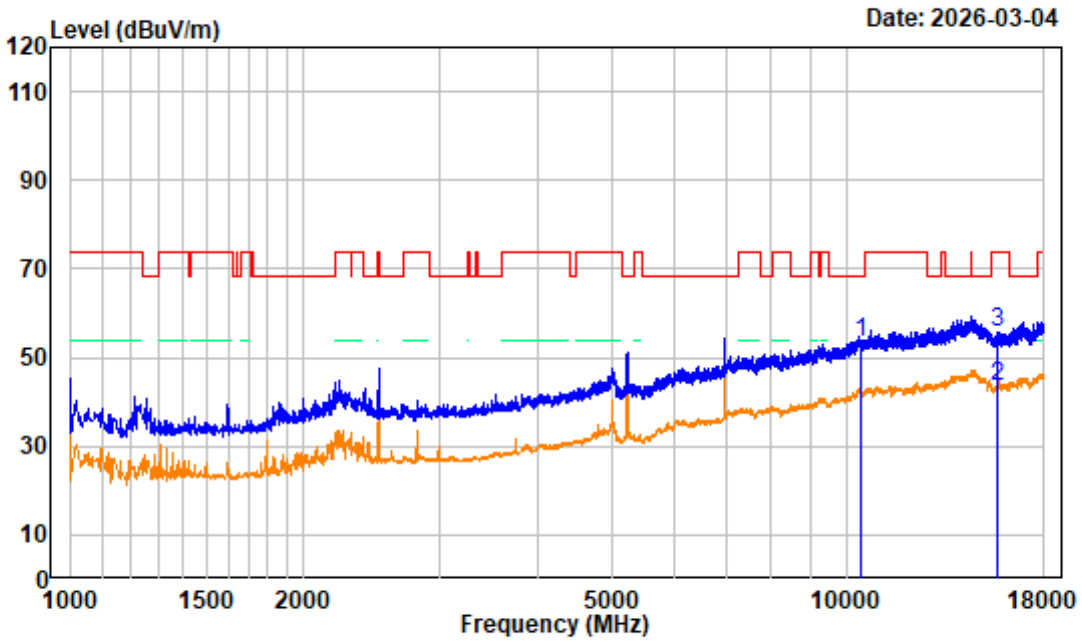
5G WIFI 802.11ac40 Low Channel Bandedge_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 Low Channel 5190MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	-6.04	51.50	45.46	54.00	-8.54	Average
2	5150.000	-6.04	64.12	58.08	74.00	-15.92	Peak

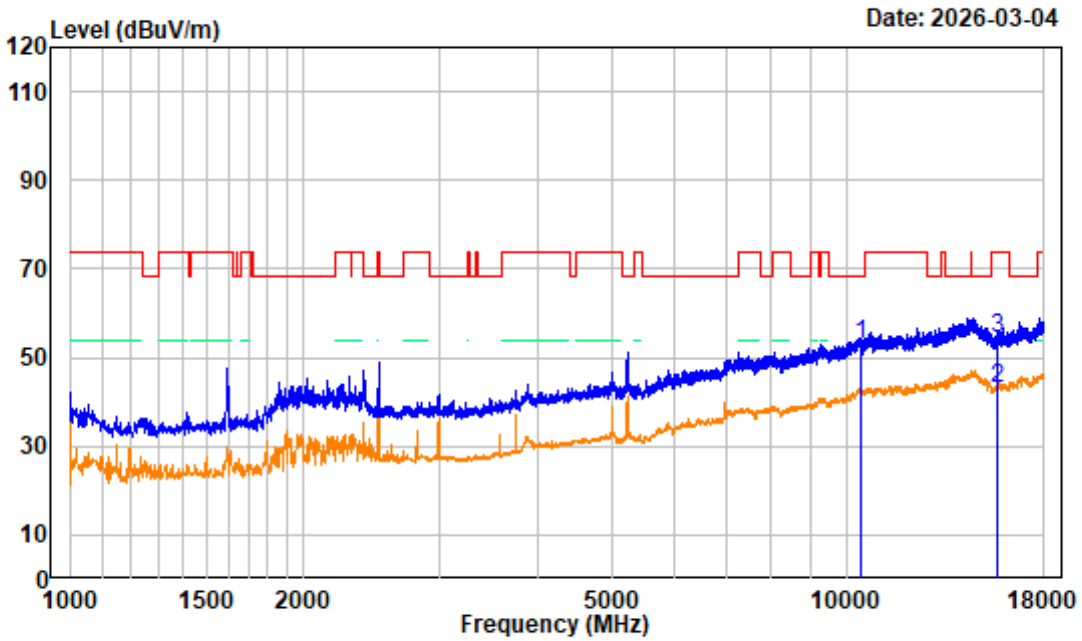
5G WIFI 802.11ac40 High Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 High Channel 5230MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	4.20	49.36	53.56	68.20	-14.64	Peak
2	15690.000	4.62	38.94	43.56	54.00	-10.44	Average
3	15690.000	4.62	50.86	55.48	74.00	-18.52	Peak

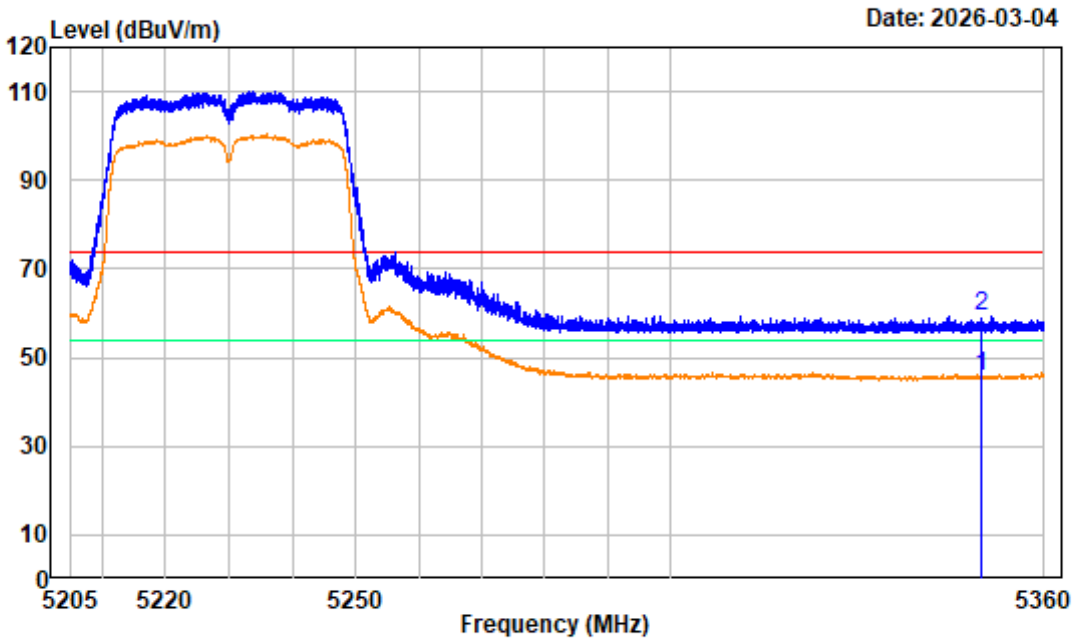
5G WIFI 802.11ac40 High Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 High Channel 5230MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	4.20	48.93	53.13	68.20	-15.07	Peak
2	15690.000	4.62	38.52	43.14	54.00	-10.86	Average
3	15690.000	4.62	49.71	54.33	74.00	-19.67	Peak

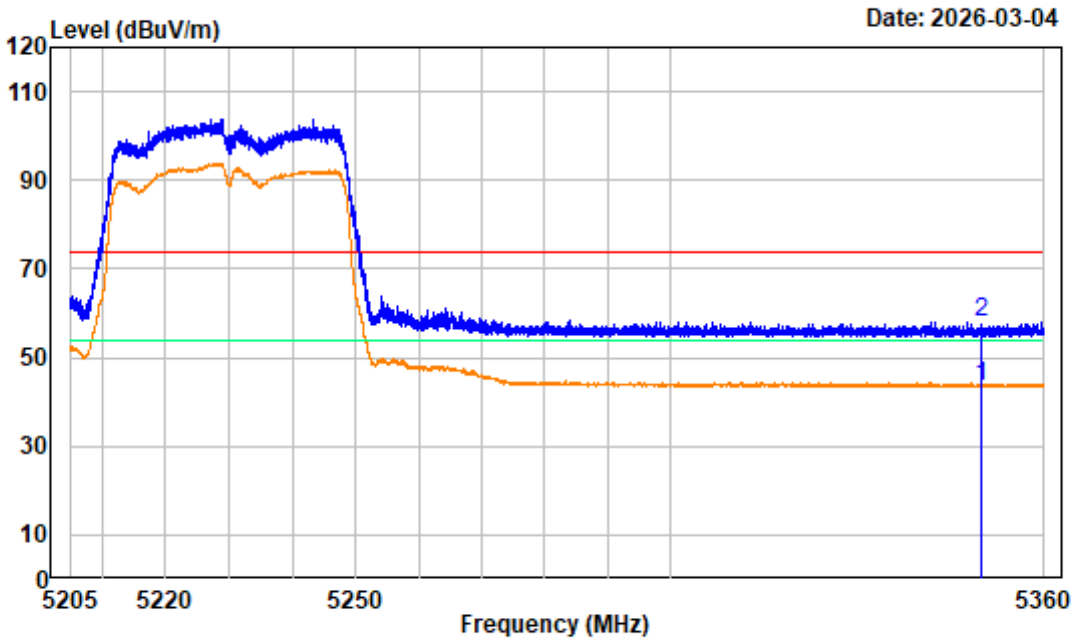
5G WIFI 802.11ac40 High Channel Bandedge_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 High Channel 5230MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	-5.69	51.27	45.58	54.00	-8.42	Average
2	5350.000	-5.69	65.09	59.40	74.00	-14.60	Peak

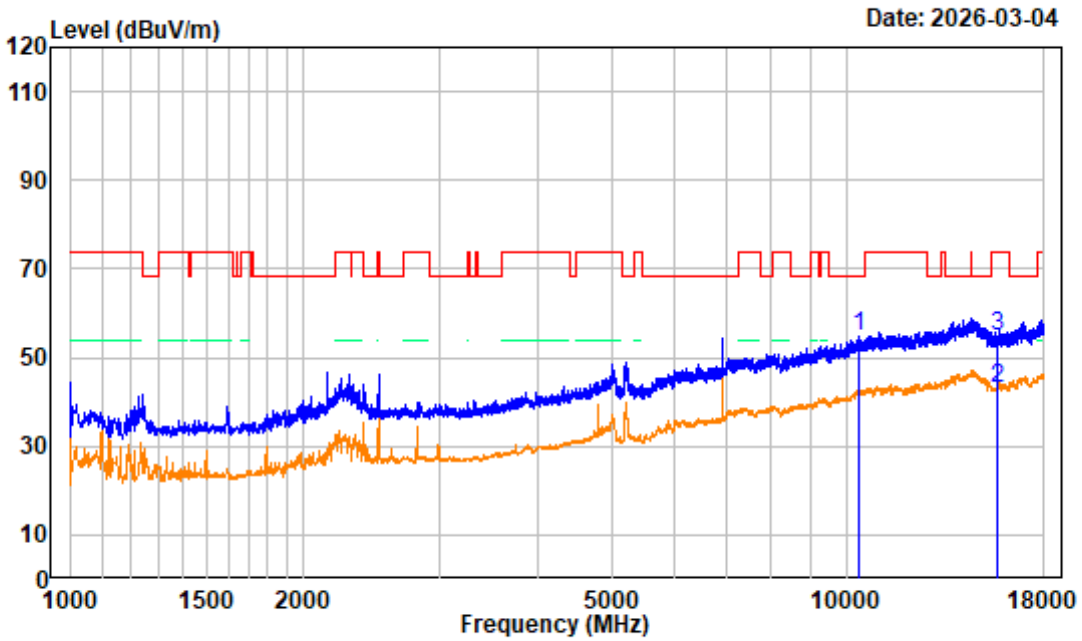
5G WIFI 802.11ac40 High Channel Bandedge_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac40 High Channel 5230MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	-5.69	49.33	43.64	54.00	-10.36	Average
2	5350.000	-5.69	63.55	57.86	74.00	-16.14	Peak

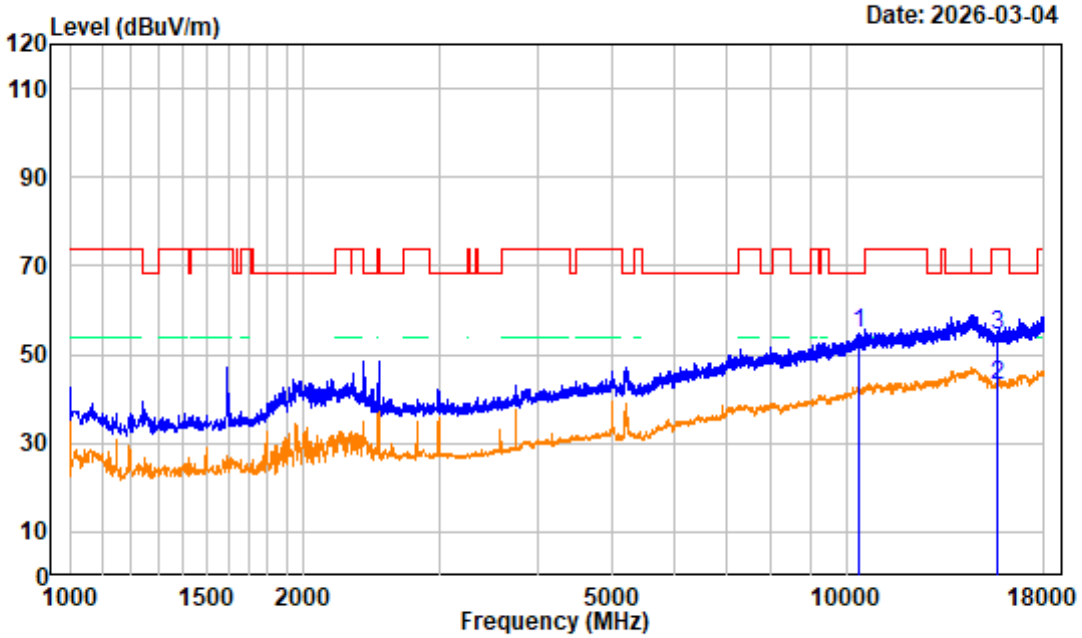
5G WIFI 802.11ac80 Middle Channel 1GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac80 Middle Channel 5210MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	4.22	50.38	54.60	68.20	-13.60	Peak
2	15630.000	4.68	38.44	43.12	54.00	-10.88	Average
3	15630.000	4.68	49.95	54.63	74.00	-19.37	Peak

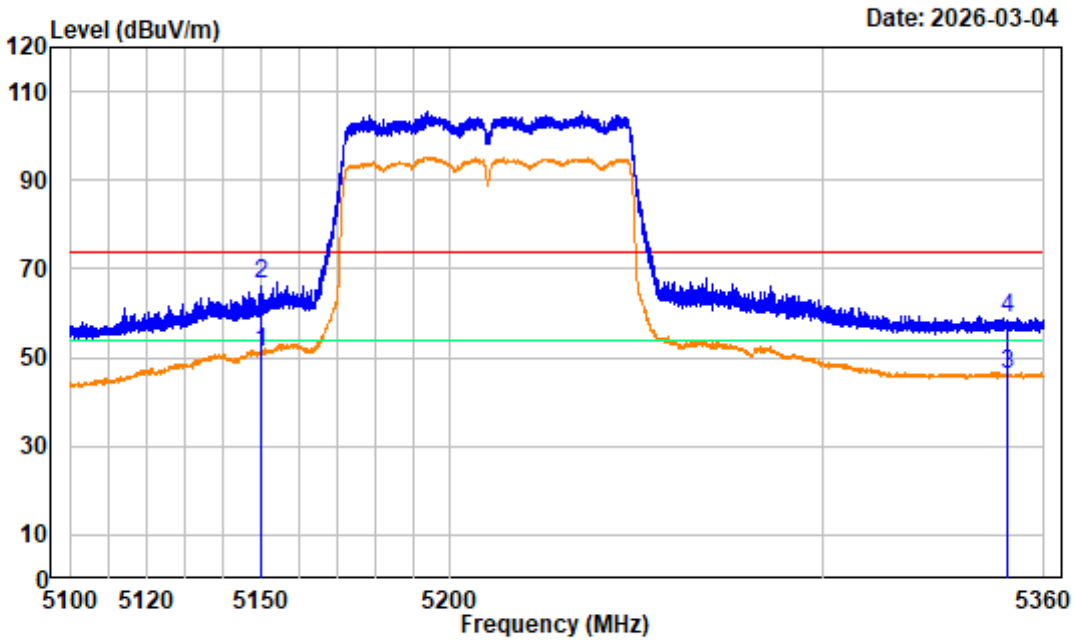
5G WIFI 802.11ac80 Middle Channel 1GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac80 Middle Channel 5210MHz 1GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	4.22	50.68	54.90	68.20	-13.30	Peak
2	15630.000	4.68	38.48	43.16	54.00	-10.84	Average
3	15630.000	4.68	49.80	54.48	74.00	-19.52	Peak

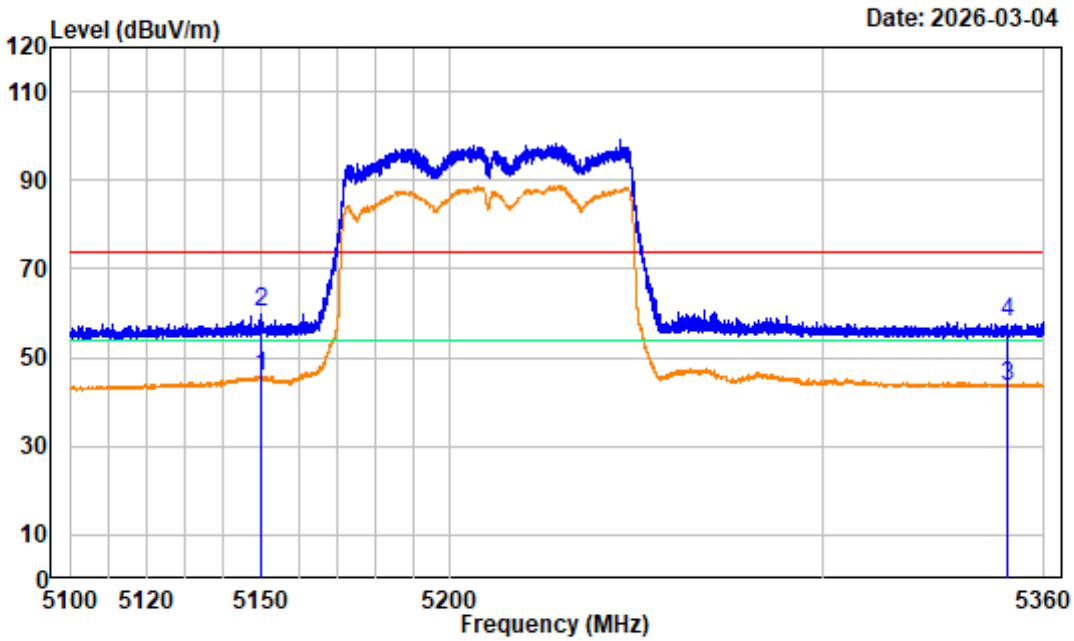
5G WIFI 802.11ac80 Middle Channel Bandedge_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac80 Middle Channel 5210MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	-6.04	57.21	51.17	54.00	-2.83	Average
2	5150.000	-6.04	72.52	66.48	74.00	-7.52	Peak
3	5350.000	-5.69	51.70	46.01	54.00	-7.99	Average
4	5350.000	-5.69	64.52	58.83	74.00	-15.17	Peak

5G WIFI 802.11ac80 Middle Channel Bandedge_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604Q36815E-RF
Test Mode : Transmitting Tester:Max Tao
Note : 5G WIFI 802.11ac80 Middle Channel 5210MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:3kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	-6.04	51.66	45.62	54.00	-8.38	Average
2	5150.000	-6.04	66.37	60.33	74.00	-13.67	Peak
3	5350.000	-5.69	49.32	43.63	54.00	-10.37	Average
4	5350.000	-5.69	63.53	57.84	74.00	-16.16	Peak

EMISSION BANDWIDTH

Applicable Standard

According to FCC §15.407(a), the maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

According to FCC §15.407(e), Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

According to KDB789033 D02 section II.C. and section II.D.

1. Emission Bandwidth (EBW)
a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

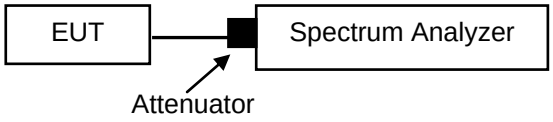
2. **Minimum Emission Bandwidth for the band 5.725-5.85 GHz**
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 × RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3. 99% Occupied Bandwidth
The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. Measurement of the 99% occupied bandwidth is *required* only as a condition for using the optional bandedge measurement techniques described in II.G.3.d). Measurements of 99% occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with Section 15.407(a).

The following procedure shall be used for measuring (99%) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5% of the OBW
4. Set VBW ≥ 3 × RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99% power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

Note: For devices that use channel aggregation refer to III.A and III.C for determining 99% bandwidth.



Note: Offset = RF cable loss(1.0dB[#]) + Attenuator(10dB)

Test Data

Test Result: Compliance. Please refer to the Appendix.

CONDUCTED TRANSMITTER OUTPUT POWER

Applicable Standard

According to FCC §15.407(a)

For an indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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.

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.

For an outdoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

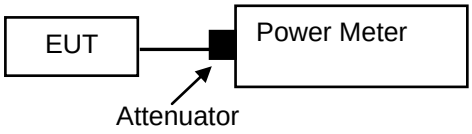
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 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.

For the band 5.725-5.85 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.

Test Procedure

According to KDB789033 D02 section II.E.3.a).

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.



Note: Offset = RF cable loss(1.0dB#) + Attenuator(10dB)

Test Data

Test Result: Compliance. Please refer to the Appendix.

POWER SPECTRAL DENSITY

Applicable Standard

According to FCC §15.407(a)

For an indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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.

For an outdoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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.

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.

For the band 5.725-5.85 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.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Duty cycle ≥98%

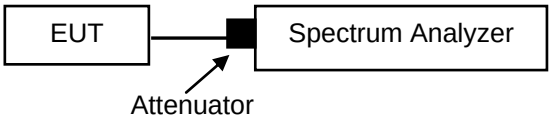
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle <98%, duty cycle variations are less than ±2%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle <98%, duty cycle variations exceed ±2%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.



Note: Offset = RF cable loss(1.0dB[#]) + Attenuator(10dB)

Test Data

Test Result: Compliance. Please refer to the Appendix.

DUTY CYCLE

Test Procedure

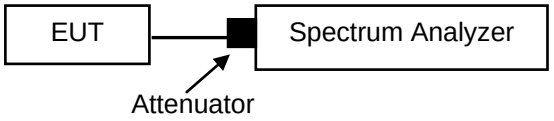
According to ANSI C63.10-2020 Section 11.6

Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

a) A diode detector and an oscilloscope that together have a sufficiently short response time to permit accurate measurements of the ON and OFF times of the transmitted signal.

b) 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.)



Note: Offset = RF cable loss(1.0dB[#]) + Attenuator(10dB)

Test Data

Test Result: Compliance. Please refer to the Appendix.

APPENDIX

Test Information:

Sample No.:	3BCG-2	Test Date:	2026/03/09~2026/05/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Benny Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2~25.0	Relative Humidity: (%)	48~51	ATM Pressure: (kPa)	100.4~100.6

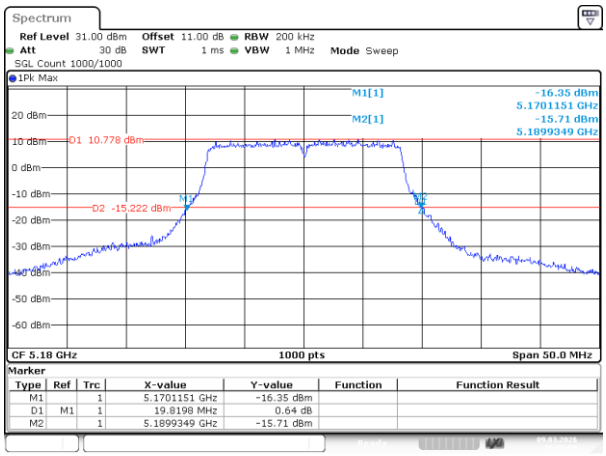
Emission Bandwidth

26dB Emission Bandwidth
5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	Chain 0	5180	19.820
		5200	19.920
		5240	19.670
	Chain 1	5180	19.970
		5200	20.643
		5240	19.770
802.11ac20	Chain 0	5180	21.155
		5200	20.747
		5240	20.952
	Chain 1	5180	20.799
		5200	20.849
		5240	21.002
802.11ac40	Chain 0	5190	39.940
		5230	40.140
	Chain 1	5190	40.140
		5230	39.940
802.11ac80	Chain 0	5210	84.284
	Chain 1	5210	83.884

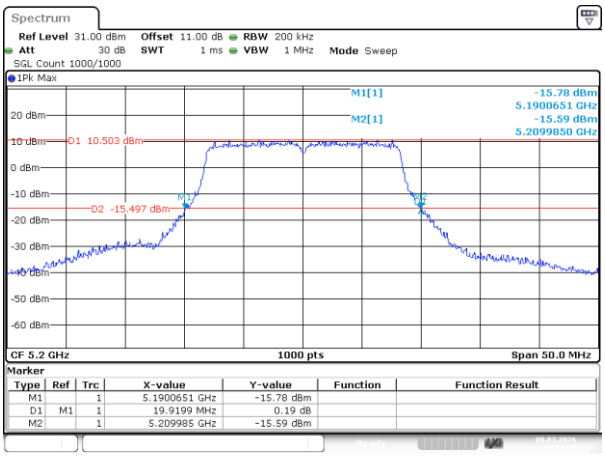
5150-5250MHz

802.11a_5180MHz_Chain 0



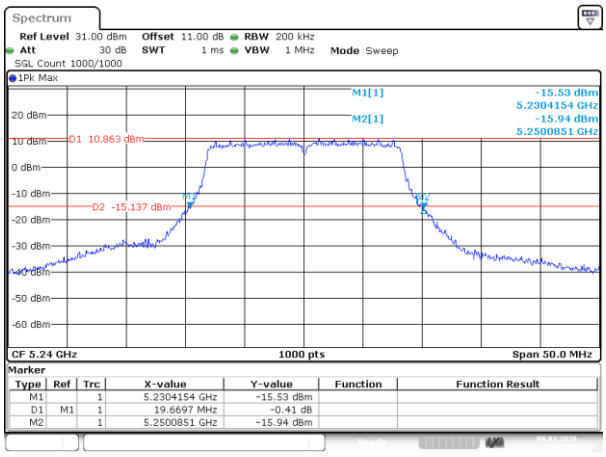
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:53:50

802.11a_5200MHz_Chain 0



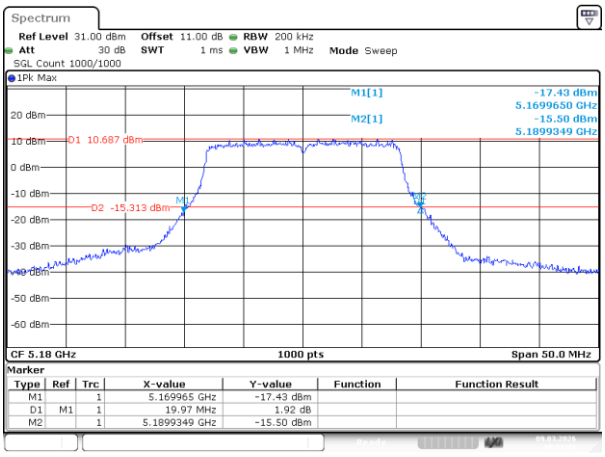
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:54:25

802.11a_5240MHz_Chain 0



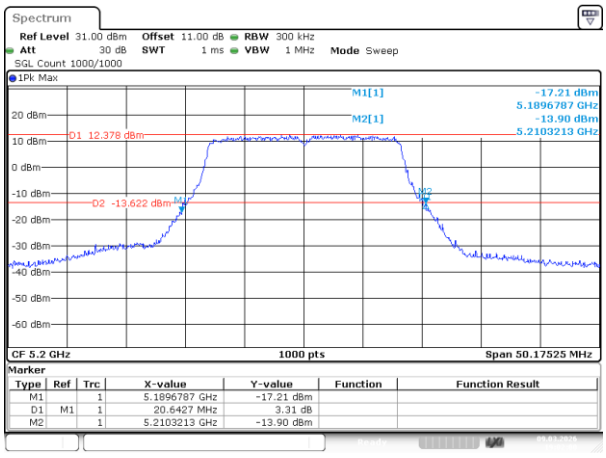
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:55:03

802.11a_5180MHz_Chain 1



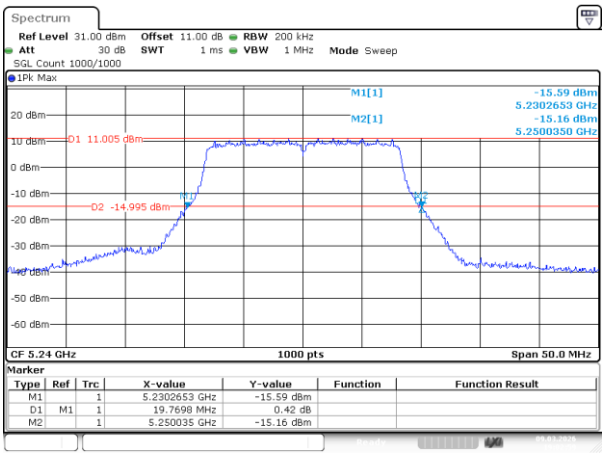
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:01:09

802.11a_5200MHz_Chain 1



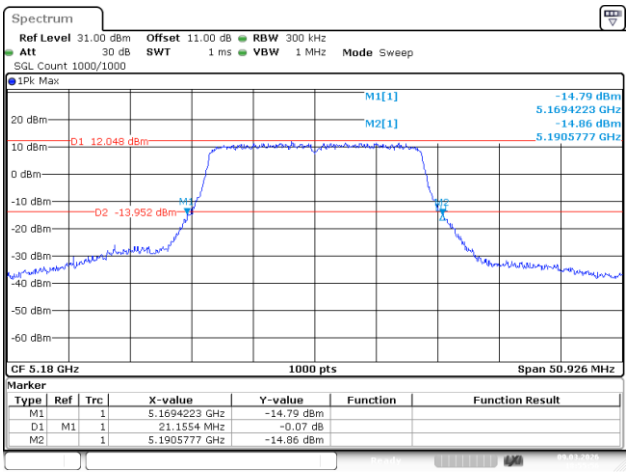
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:02:00

802.11a_5240MHz_Chain 1



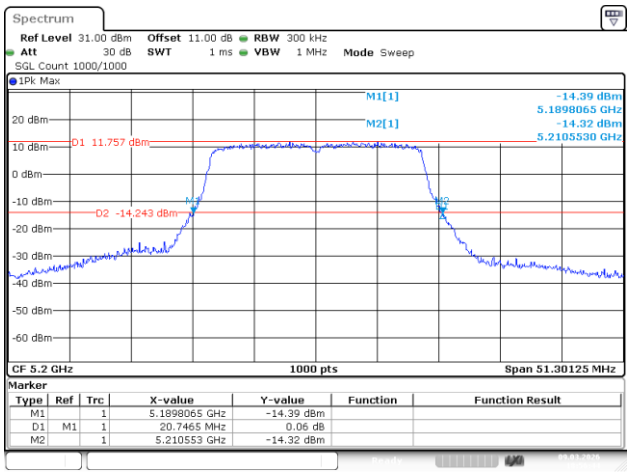
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:02:59

802.11ac20_5180MHz_Chain 0



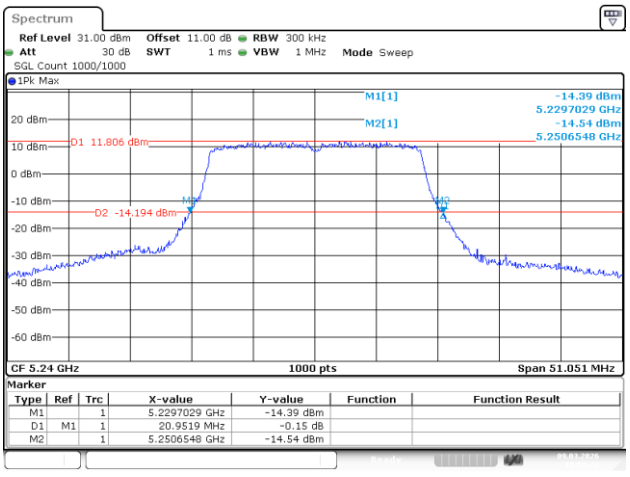
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:55:56

802.11ac20_5200MHz_Chain 0



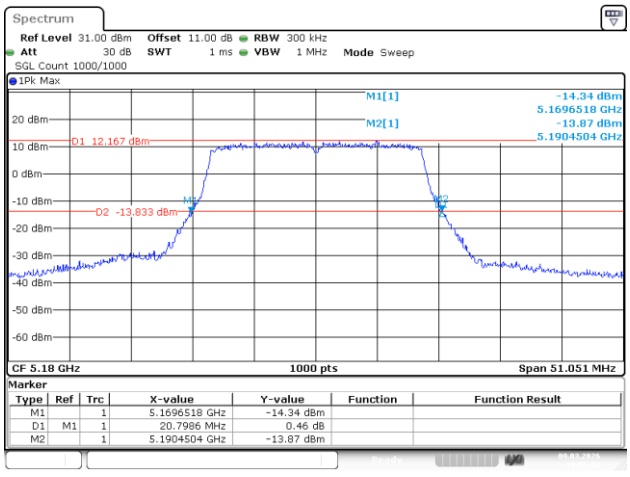
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:56:44

802.11ac20_5240MHz_Chain 0



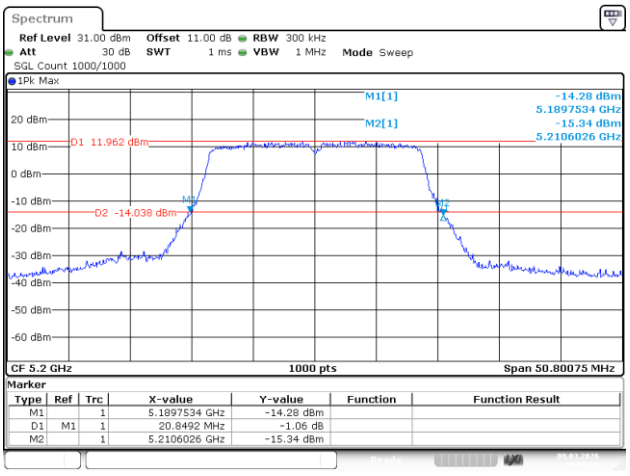
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:57:26

802.11ac20_5180MHz_Chain 1



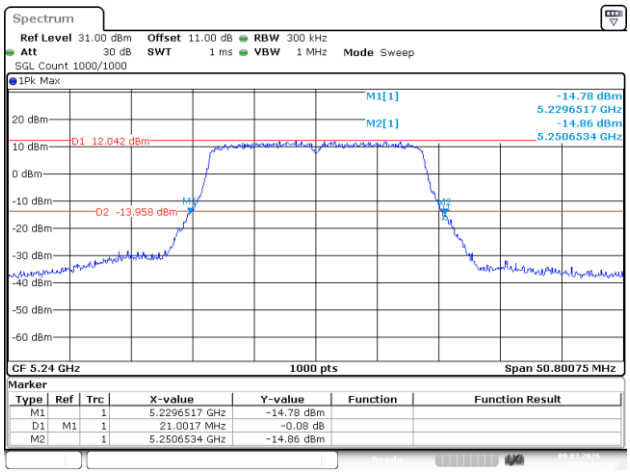
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:05:03

802.11ac20_5200MHz_Chain 1



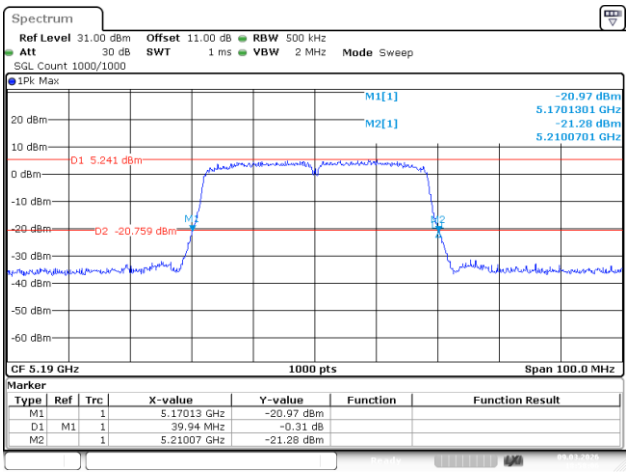
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:05:58

802.11ac20_5240MHz_Chain 1



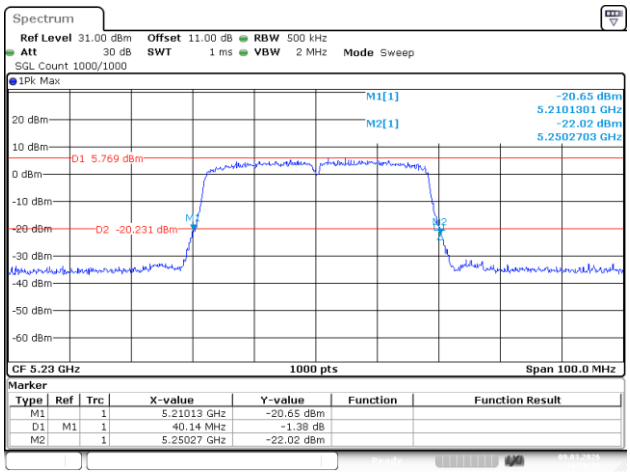
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:08:01

802.11ac40_5190MHz_Chain 0



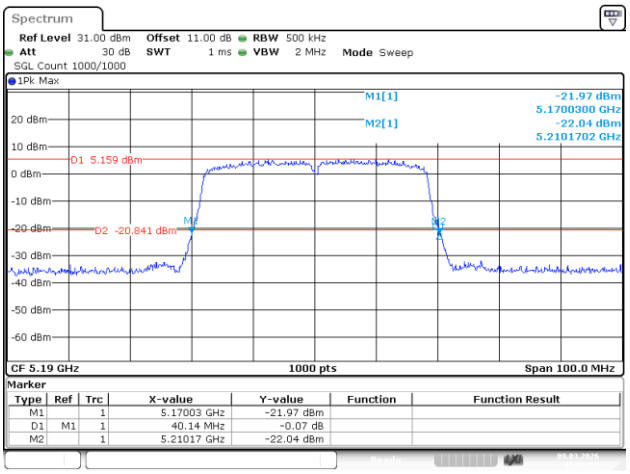
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:58:06

802.11ac40_5230MHz_Chain 0



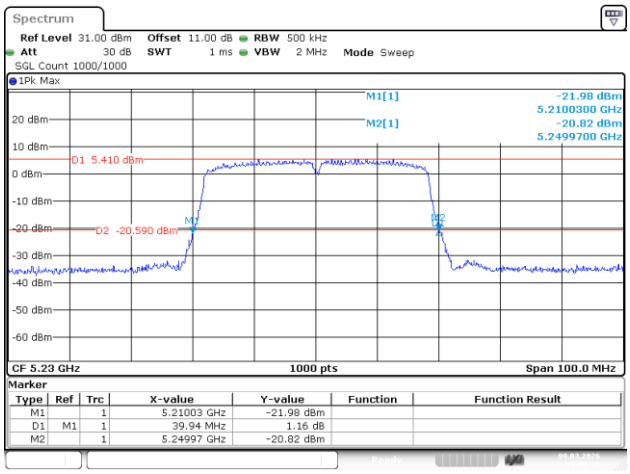
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 18:58:39

802.11ac40_5190MHz_Chain 1



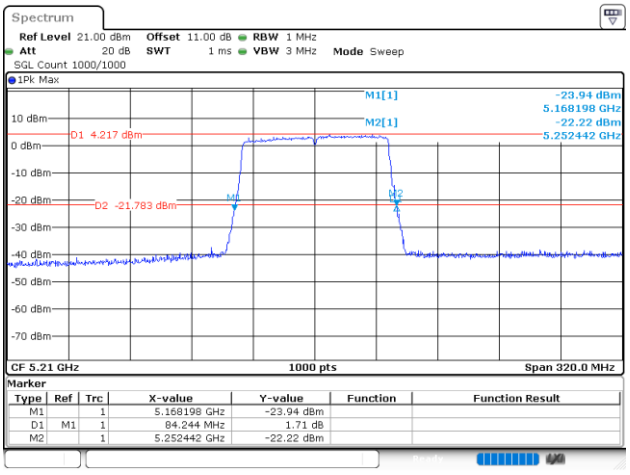
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:08:55

802.11ac40_5230MHz_Chain 1



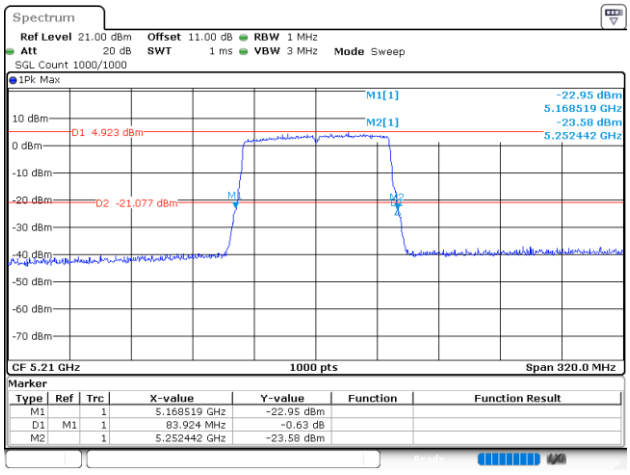
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 19:09:31

802.11ac80_5210MHz_Chain 0



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 13.MAY.2026 17:35:24

802.11ac80_5210MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 13.MAY.2026 17:33:50

99% Occupied Bandwidth

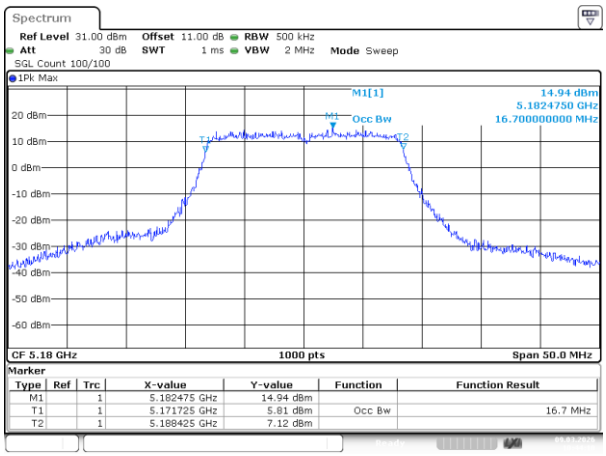
5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	Chain 0	5180	16.700
		5200	16.700
		5240	16.700
	Chain 1	5180	16.750
		5200	16.700
		5240	16.700
802.11ac20	Chain 0	5180	17.900
		5200	17.850
		5240	17.800
	Chain 1	5180	17.800
		5200	17.850
		5240	17.800
802.11ac40	Chain 0	5190	36
		5230	36.200
	Chain 1	5190	36.200
		5230	36
802.11ac80	Chain 0	5210	76.400
	Chain 1	5210	76.200

Note:
The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

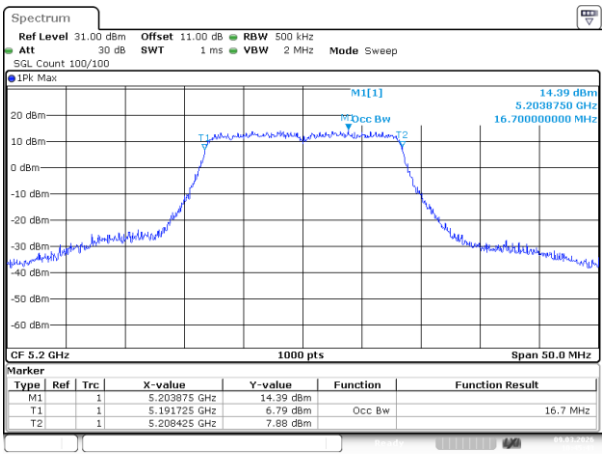
5150-5250MHz

802.11a_5180MHz_Chain 0



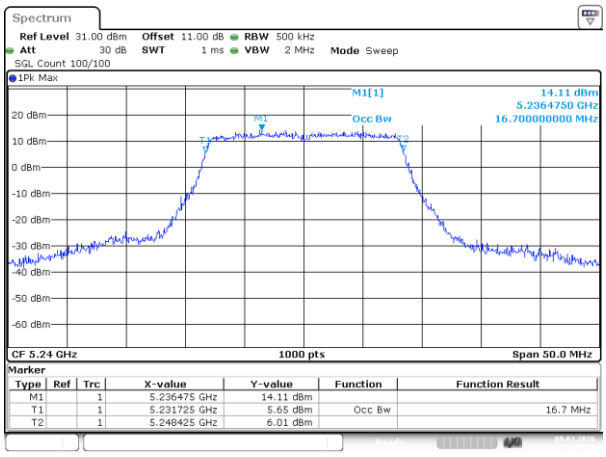
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:44:10

802.11a_5200MHz_Chain 0



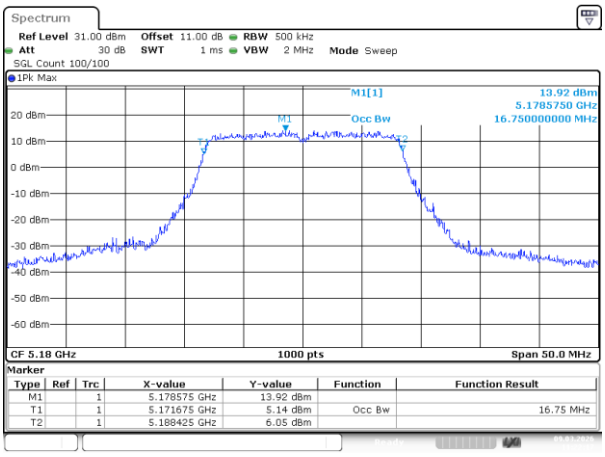
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:45:43

802.11a_5240MHz_Chain 0



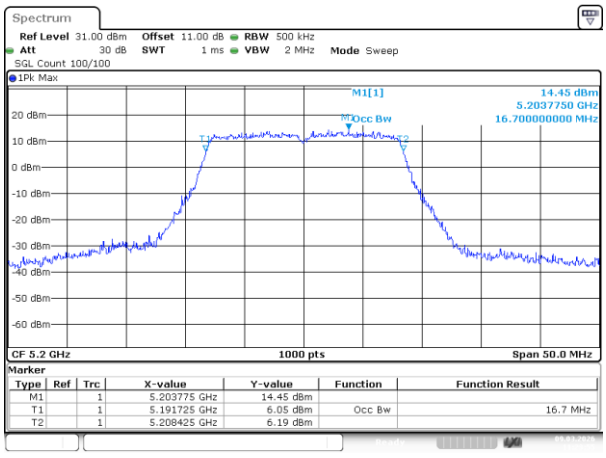
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:46:35

802.11a_5180MHz_Chain 1



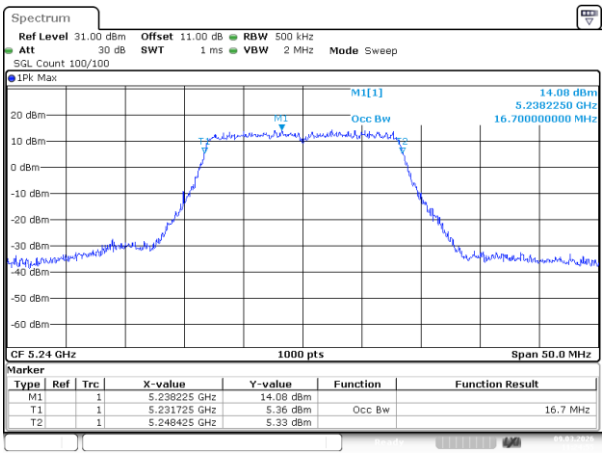
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:22:16

802.11a_5200MHz_Chain 1



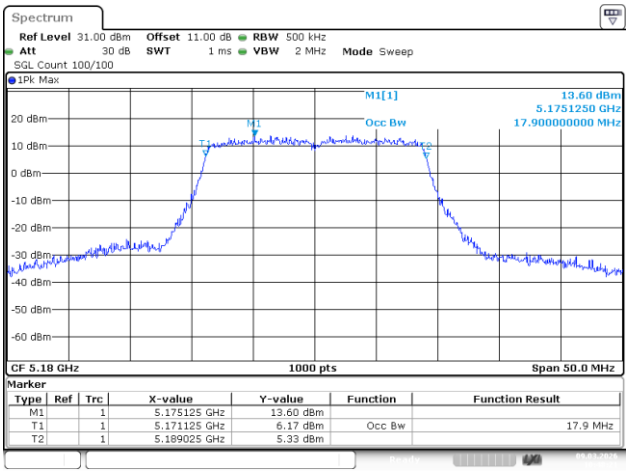
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:23:55

802.11a_5240MHz_Chain 1



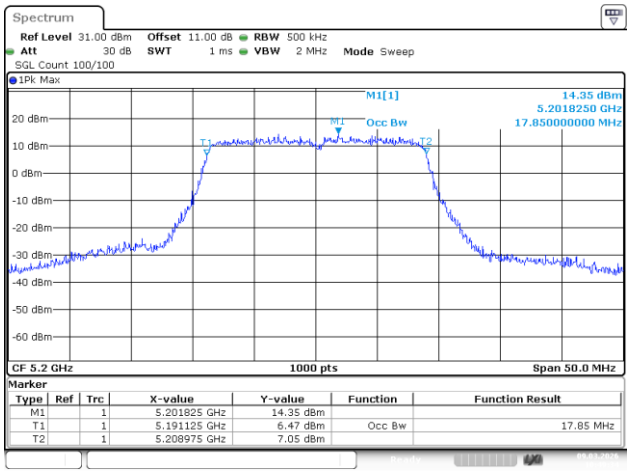
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:24:55

802.11ac20_5180MHz_Chain 0



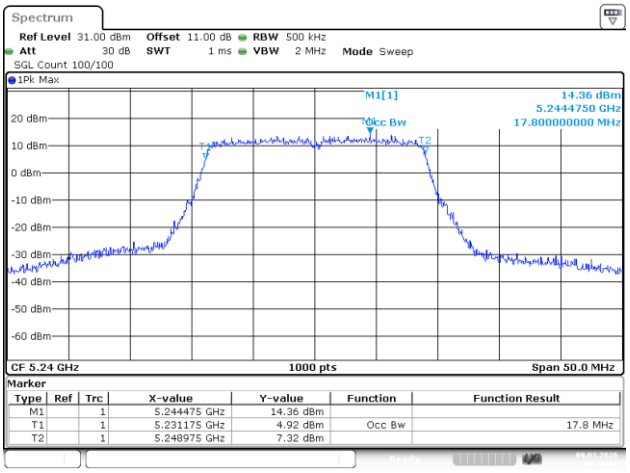
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:48:21

802.11ac20_5200MHz_Chain 0



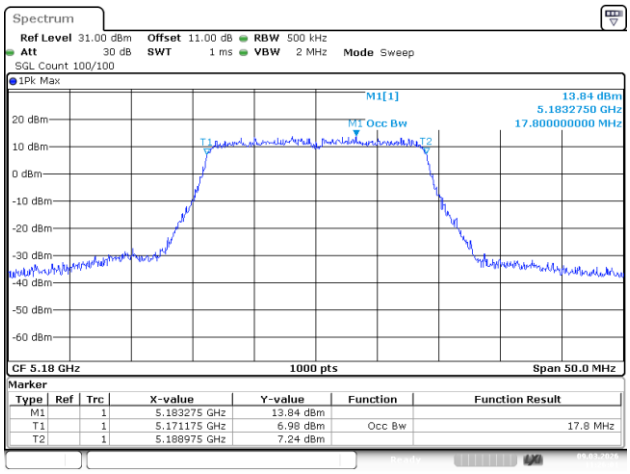
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:49:34

802.11ac20_5240MHz_Chain 0



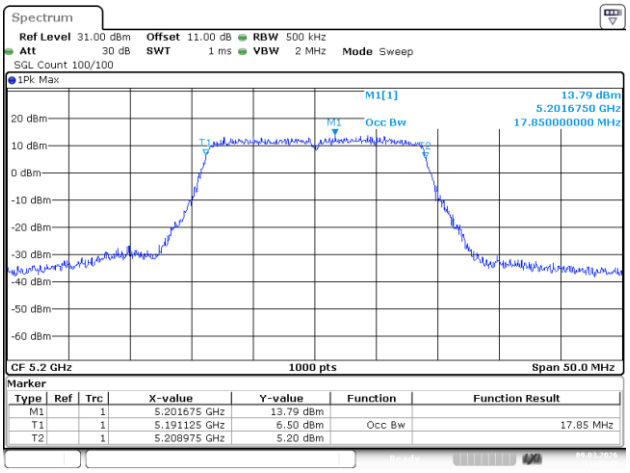
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:50:52

802.11ac20_5180MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:26:01

802.11ac20_5200MHz_Chain 1



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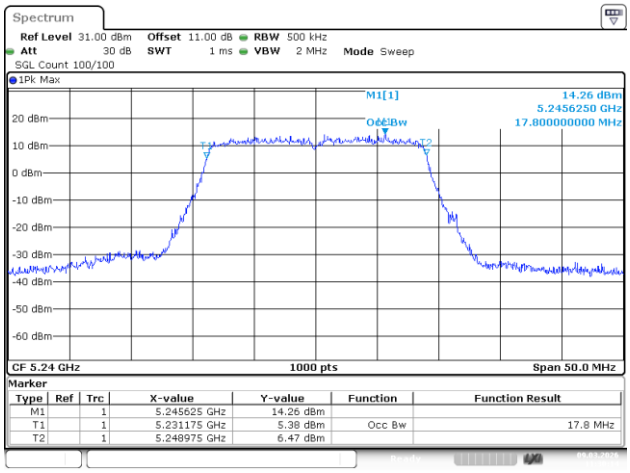
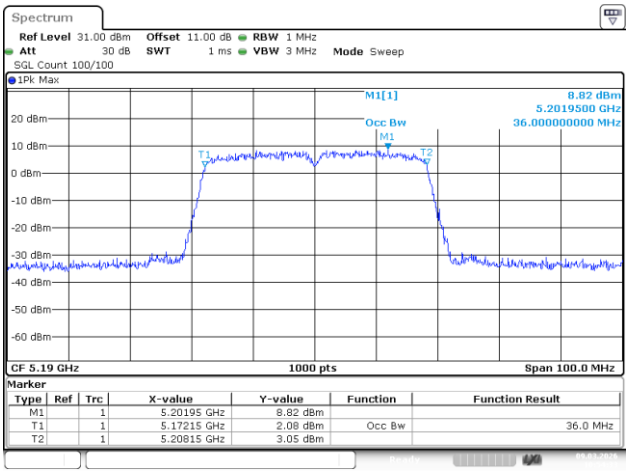
Date: 9.MAR.2026 11:28:47

802.11ac20_5240MHz_Chain 1



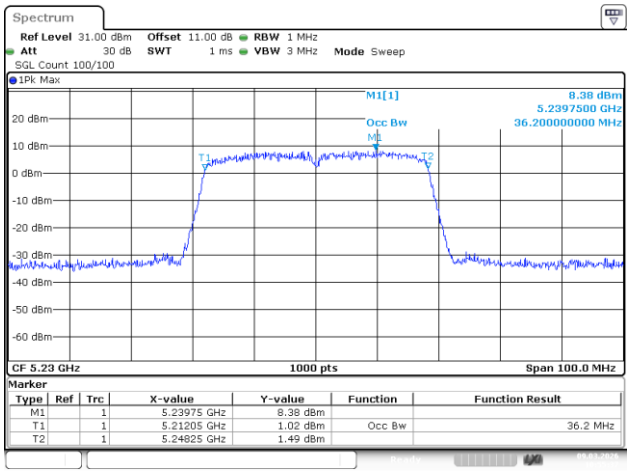
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:30:14

802.11ac40_5190MHz_Chain 0



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:54:32

802.11ac40_5230MHz_Chain 0



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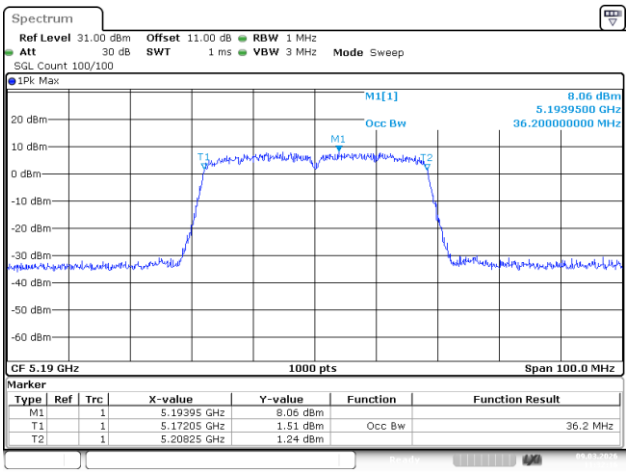
Date: 9.MAR.2026 10:55:37

802.11ac40_5190MHz_Chain 1



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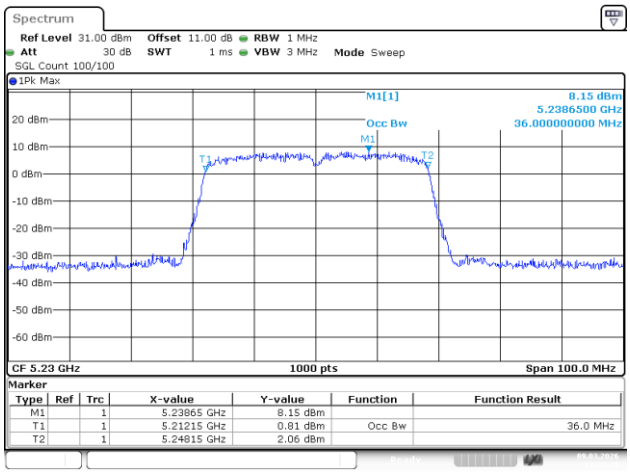
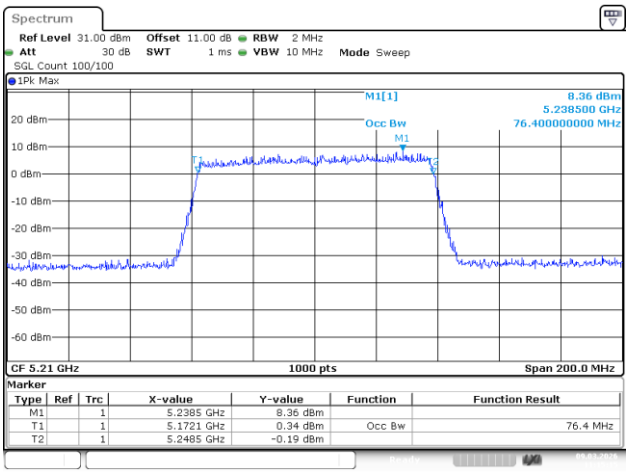
Date: 9.MAR.2026 11:32:16

802.11ac40_5230MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:33:20

802.11ac80_5210MHz_Chain 0



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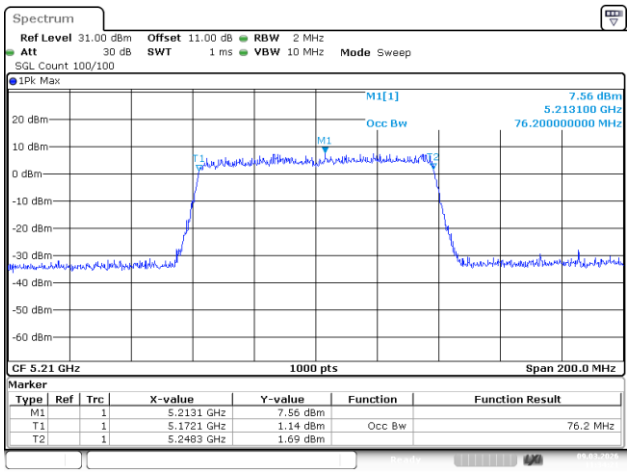
Date: 9.MAR.2026 11:15:15

802.11ac80_5210MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:34:21

Maximum Conducted Output Power

5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	Chain 0	5180	20.31	30	Pass
		5200	20.31	30	Pass
		5240	20.2	30	Pass
	Chain 1	5180	20.18	30	Pass
		5200	20.29	30	Pass
		5240	20.24	30	Pass
	Chain 0+Chain 1	5180	23.26	30	Pass
		5200	23.31	30	Pass
		5240	23.23	30	Pass
802.11ac20	Chain 0	5180	20.03	30	Pass
		5200	19.97	30	Pass
		5240	19.95	30	Pass
	Chain 1	5180	19.75	30	Pass
		5200	19.87	30	Pass
		5240	19.9	30	Pass
	Chain 0+Chain 1	5180	22.90	30	Pass
		5200	22.93	30	Pass
		5240	22.94	30	Pass
802.11ac40	Chain 0	5190	14.03	30	Pass
		5230	13.85	30	Pass
	Chain 1	5190	13.77	30	Pass
		5230	13.87	30	Pass
	Chain 0+Chain 1	5190	16.91	30	Pass
		5230	16.87	30	Pass
802.11ac80	Chain 0	5210	11.93	30	Pass
	Chain 1	5210	12.01	30	Pass
	Chain 0+Chain 1	5210	14.98	30	Pass

Note: The maximum antenna gain is 5 dBi.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0dB (i.e., no array gain) For NANT≤4;
So: Directional gain<6dBi, the limit is not reduced.

Power Spectral Density

5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	Chain 0	5180	9.27	0.15	9.42	17	Pass
		5200	9.40	0.15	9.55	17	Pass
		5240	9.26	0.15	9.41	17	Pass
	Chain 1	5180	9.35	0.15	9.50	17	Pass
		5200	9.20	0.15	9.35	17	Pass
		5240	9.34	0.15	9.49	17	Pass
	Chain 0+Chain 1	5180	/	/	12.47	14.99	Pass
		5200	/	/	12.46	14.99	Pass
		5240	/	/	12.46	14.99	Pass
802.11ac20	Chain 0	5180	8.41	0.41	8.82	17	Pass
		5200	8.33	0.41	8.74	17	Pass
		5240	8.41	0.41	8.82	17	Pass
	Chain 1	5180	8.11	0.41	8.52	17	Pass
		5200	8.20	0.41	8.61	17	Pass
		5240	8.27	0.41	8.68	17	Pass
	Chain 0+Chain 1	5180	/	/	11.68	14.99	Pass
		5200	/	/	11.69	14.99	Pass
		5240	/	/	11.76	14.99	Pass
802.11ac40	Chain 0	5190	-0.63	0.79	0.16	17	Pass
		5230	-0.38	0.79	0.41	17	Pass
	Chain 1	5190	-0.94	0.79	-0.15	17	Pass
		5230	-0.72	0.79	0.07	17	Pass
	Chain 0+Chain 1	5190	/	/	3.02	14.99	Pass
		5230	/	/	3.25	14.99	Pass
802.11ac80	Chain 0	5210	-5.97	0.59	-5.38	17	Pass
	Chain 1	5210	-6.09	0.59	-5.5	17	Pass
	Chain 0+Chain 1	5210	/	/	-2.43	14.99	Pass

Result = Reading + Duty Cycle Factor
Note: The maximum antenna gain is 5dBi.

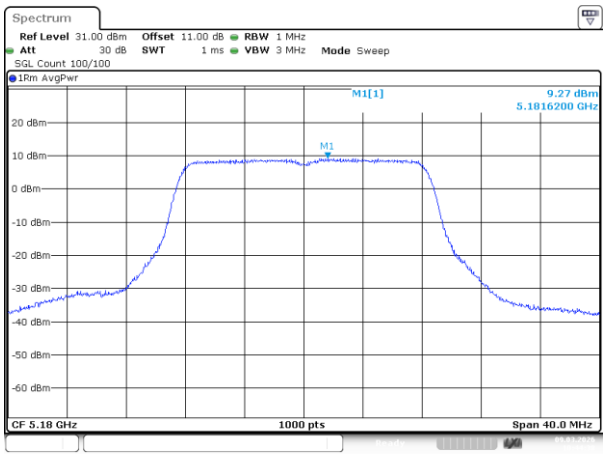
The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, power spectral density (PSD) measurements on the devices:

Array Gain = 10 log(N_{ANT}/N_{ss})dB

So:
Directional gain=G_{ANT} + Array Gain =5+10*log(2/1)=8.01dBi>6dBi
The limit should be reduce (8.01-6)dB=2.01dB

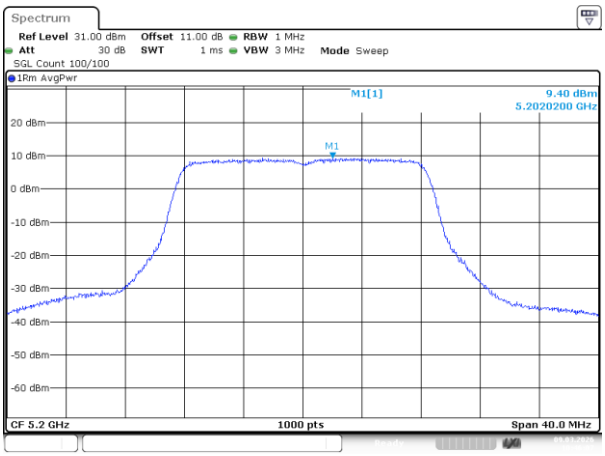
5150-5250MHz

802.11a_5180MHz_Chain 0



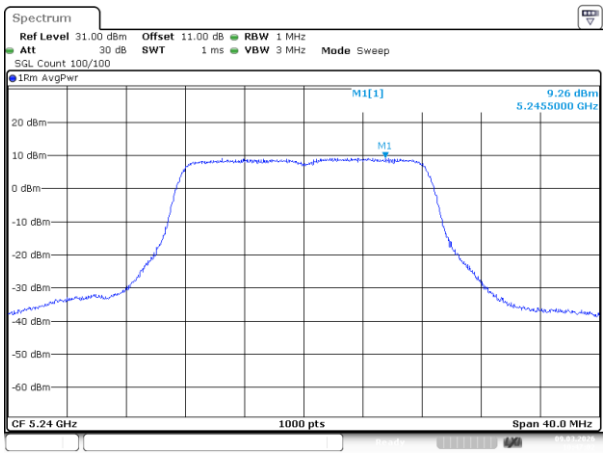
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:44:38

802.11a_5200MHz_Chain 0



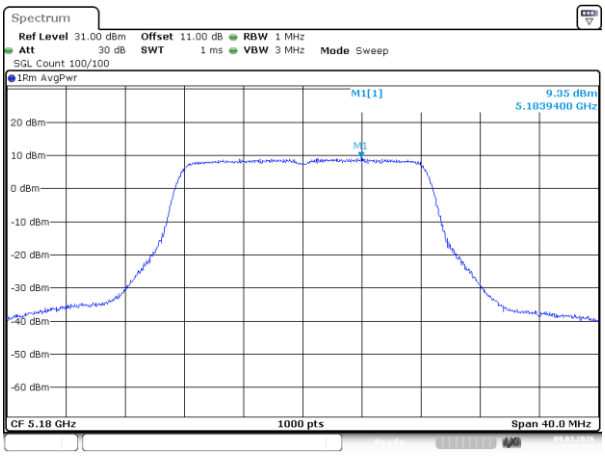
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:46:07

802.11a_5240MHz_Chain 0



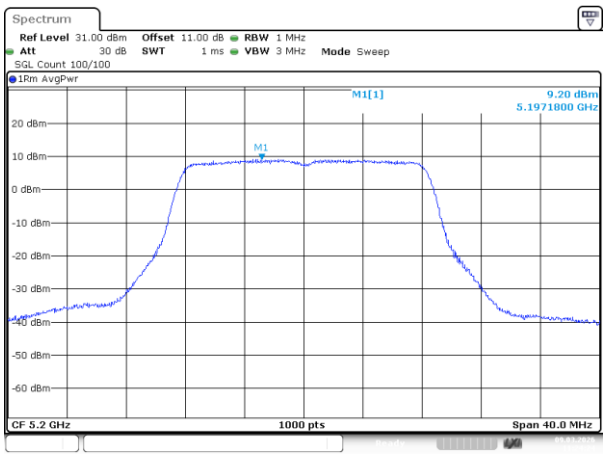
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:47:02

802.11a_5180MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:22:54

802.11a_5200MHz_Chain 1



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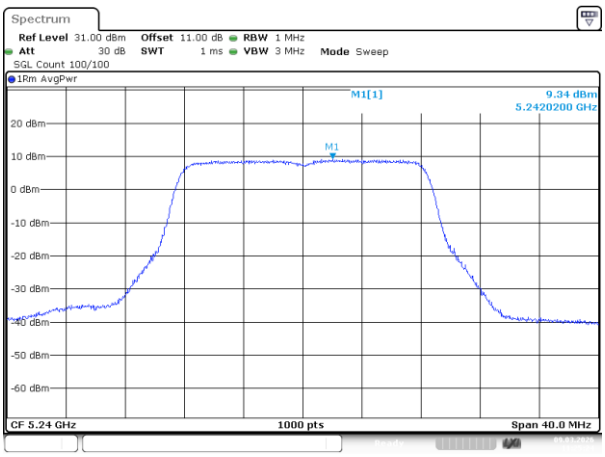
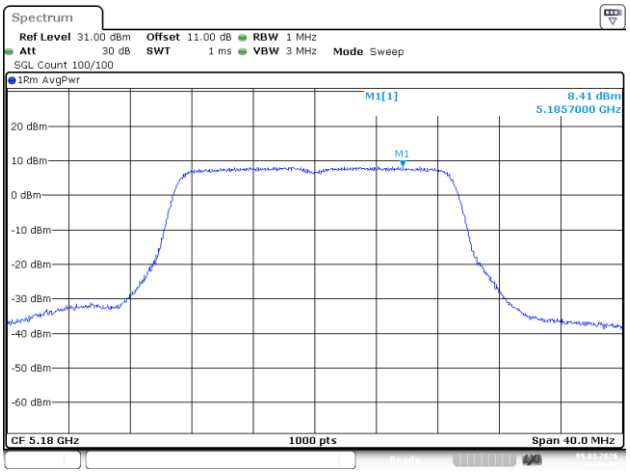
Date: 9.MAR.2026 11:24:24

802.11a_5240MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:25:24

802.11ac20_5180MHz_Chain 0



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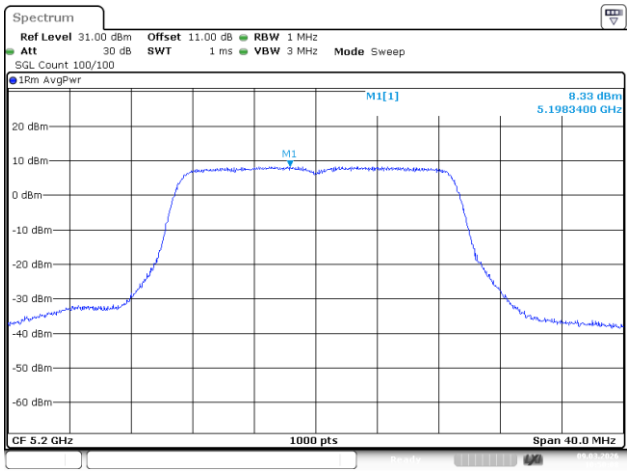
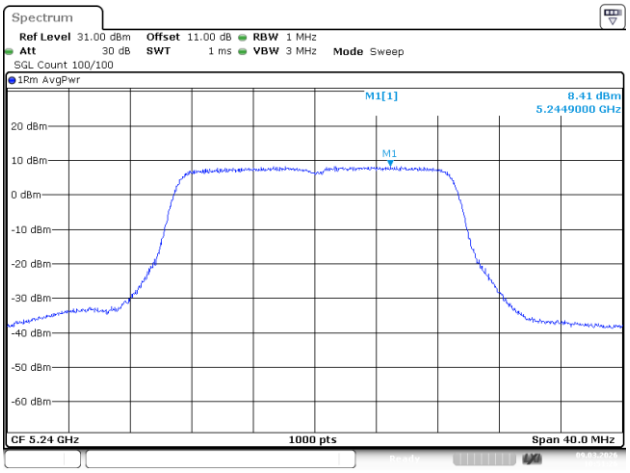
Date: 9.MAR.2026 10:49:01

802.11ac20_5200MHz_Chain 0



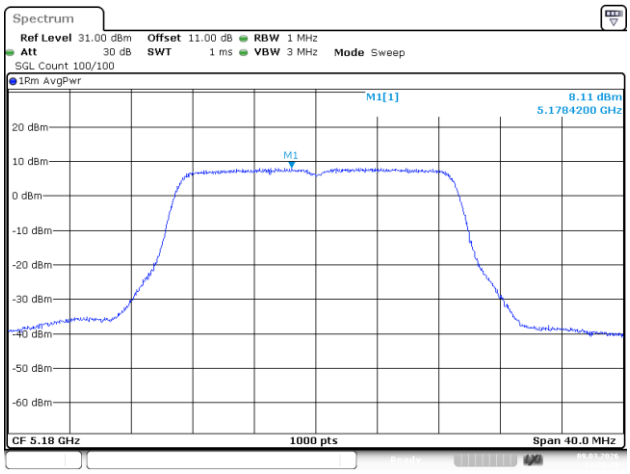
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:50:08

802.11ac20_5240MHz_Chain 0



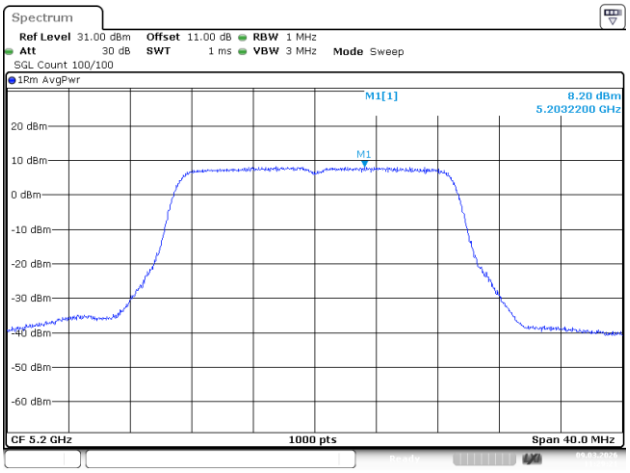
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:51:26

802.11ac20_5180MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:26:39

802.11ac20_5200MHz_Chain 1



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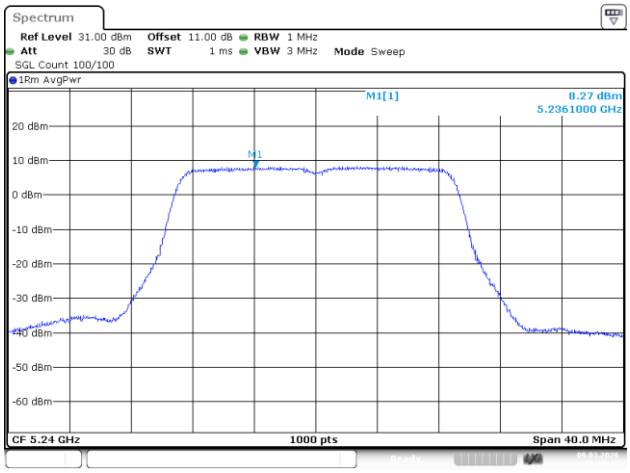
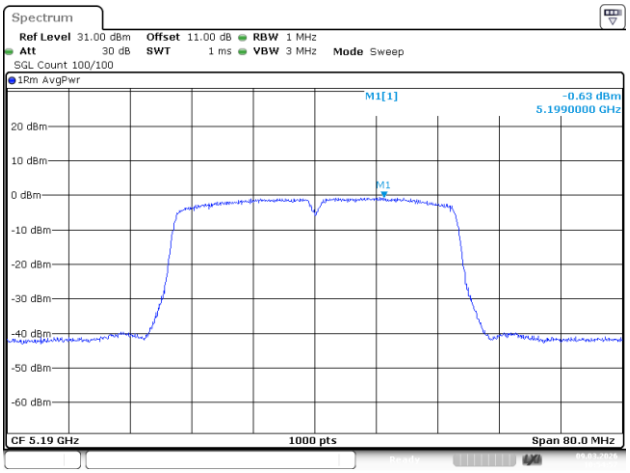
Date: 9.MAR.2026 11:29:21

802.11ac20_5240MHz_Chain 1



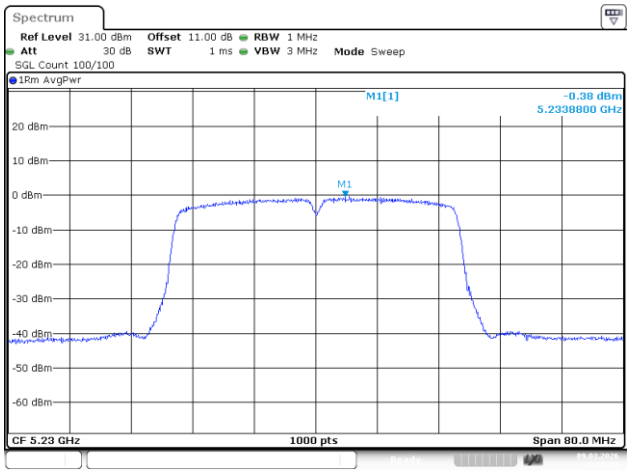
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:30:47

802.11ac40_5190MHz_Chain 0



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:54:57

802.11ac40_5230MHz_Chain 0



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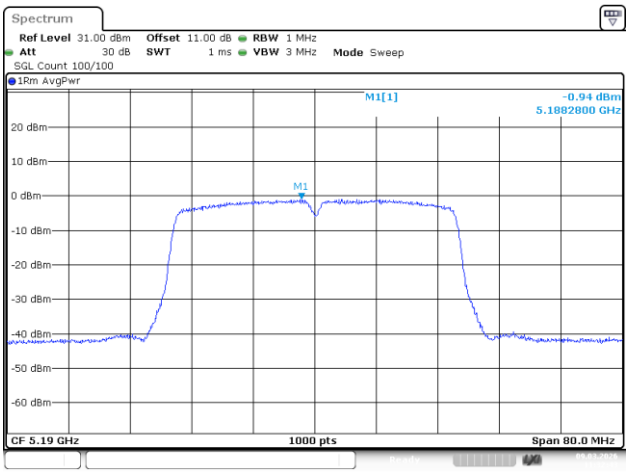
Date: 9.MAR.2026 10:56:01

802.11ac40_5190MHz_Chain 1



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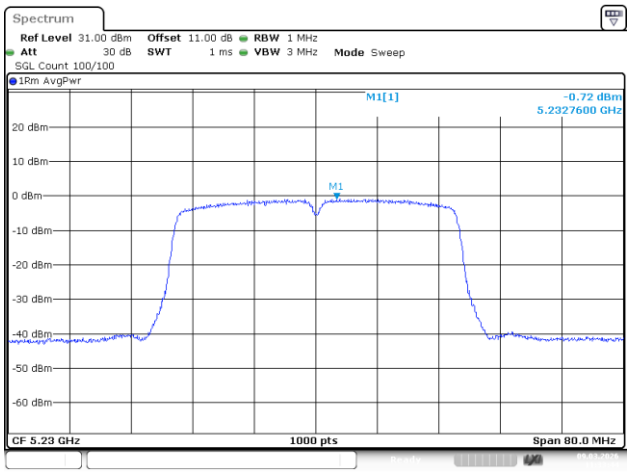
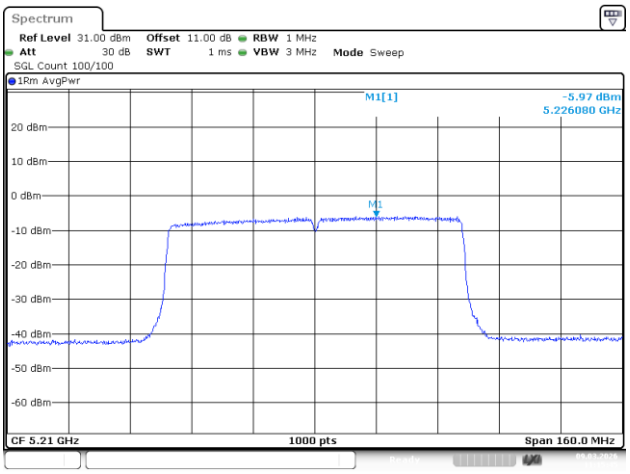
Date: 9.MAR.2026 11:32:43

802.11ac40_5230MHz_Chain 1



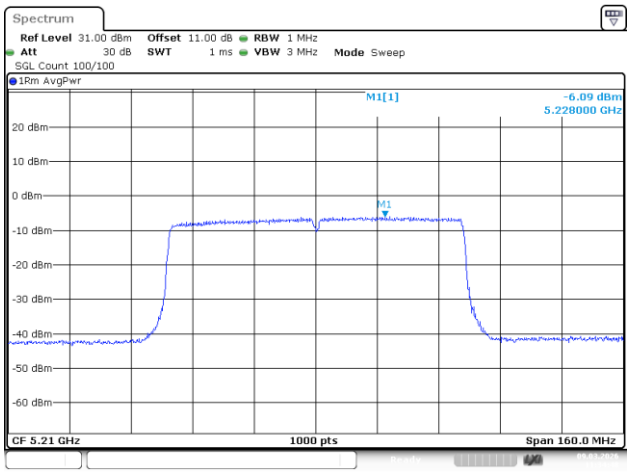
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:33:44

802.11ac80_5210MHz_Chain 0



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:15:45

802.11ac80_5210MHz_Chain 1



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 11:34:48

Duty Cycle

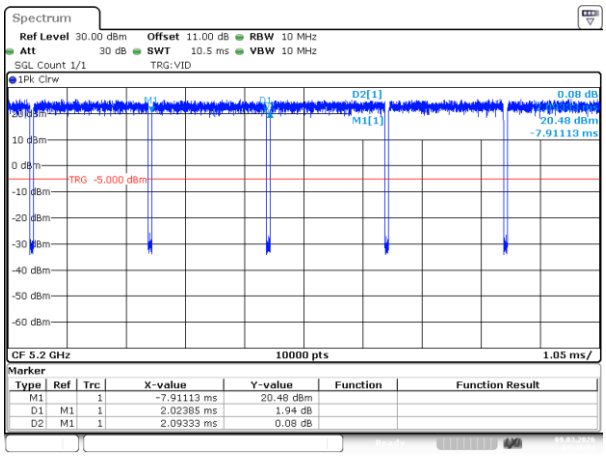
5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	Chain 0	5200	2.024	2.093	96.70	0.15	494	0.500
802.11ac20	Chain 0	5200	4.957	5.449	90.97	0.41	202	0.300
802.11ac40	Chain 0	5190	2.410	2.888	83.45	0.79	415	0.500
802.11ac80	Chain 0	5210	3.327	3.809	87.35	0.59	301	0.500

Duty Cycle = Ton/(Ton+Toff)*100%

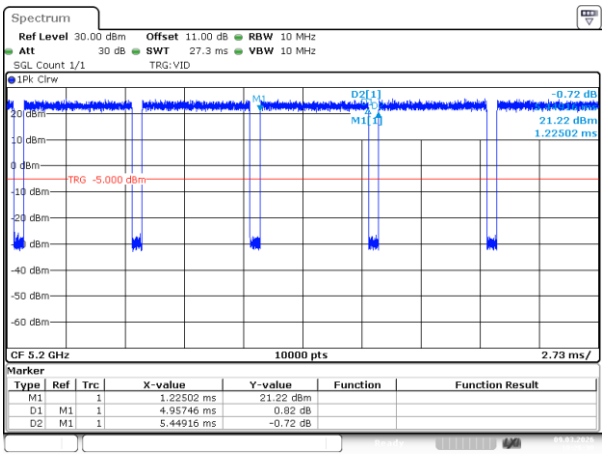
5150-5250MHz

802.11a_5200MHz_Chain 0



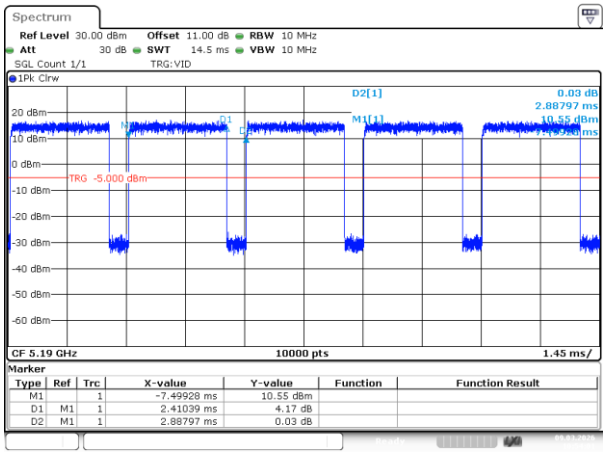
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 09:49:34

802.11ac20_5200MHz_Chain 0



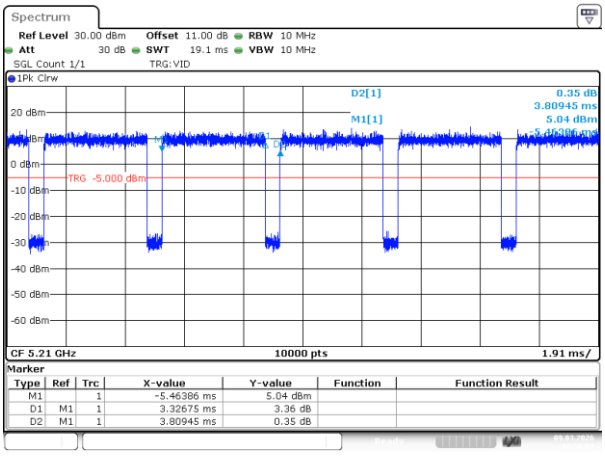
ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:26:30

802.11ac40_5190MHz_Chain 0



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:54:01

802.11ac80_5210MHz_Chain 0



ProjectNo.:2604Q36815E-RF Tester:Benny Li
Date: 9.MAR.2026 10:58:03

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2604Q36815E-RF EUT External Photos and Attachment No.2 2604Q36815E-RF EUT Internal Photos.

EXHIBIT B-TEST SETUP PHOTOGRAPHS

Please refer to the Attachment No.3 2604Q36815E-RF Test Photos.

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