TEST REPORT

Applicant Name:	EWAY CAR TECHNOLOGY LIMITED
Address:	FLAT/RM 1405B, 14/F, THE BELGIAN BANK BUILDING NOS.721-725, NATHAN ROAD MONGKOK KL, Hong Kong
Report Number:	2401Y100566E-RF-00A
FCC ID:	2BG4R-EWBN0504

Test Standard (s)

FCC PART 15.247

Sample Description

Product Type:	Wireless Safety Camera
Model No.:	EW-BN0504
Multiple Model(s) No.:	EW-BN2615
Trade Mark:	N/A
Date Received:	2024-10-21
Issue Date:	2025-01-22

Test Result:	Pass▲

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

Prepared and Checked By:

Ekko Wu
RF Engineer

Approved By:

Nancy Wang
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	2401Y100566E-RF-00A	Original Report	2025-01-22

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Wireless Safety Camera
Tested Model	EW-BN0504
Multiple Model(s)	EW-BN2615
Frequency Range	2412~2462MHz
Maximum Conducted Output Peak Power	26.67dBm
Modulation Technique	DSSS, OFDM, OFDMA
Antenna Specification#	2dBi (provided by the applicant)
Voltage Range	DC 5-24V
Sample serial number	2T9W-6 for Conducted and Radiated Emissions Test 2T9W-7 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A
Note: The Multiple models are electrically identical with the test model except for model name and appearance. Please refer to the declaration letter# for more detail, which was provided by manufacturer.	

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commission's rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.209 and 15.247 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 KDB 558074 D01 15.247 Meas Guidance v05r02.

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		109.2kHz(k=2, 95% level of confidence)
RF output power, conducted		0.86dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz~150 kHz	3.63dB(k=2, 95% level of confidence)
	150 kHz ~30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Emissions	0.009MHz~30MHz	3.60dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	5.32dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	5.43dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	5.77dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.73dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.34dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.40dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.64dB(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

For 2.4GHz Wi-Fi mode, total 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	/	/
6	2437	/	/
7	2442	/	/

802.11b, 802.11g, 802.11n20 and 802.11ax20 mode was tested with Channel 1, 6 and 11.
802.11n40 and 802.11 ax40 mode was tested with Channel 3, 6 and 9.

EUT Exercise Software

Exercise Software#		SecureCRT.exe		
Mode	Data rate	Power Level#		
		Low Channel	Middle Channel	High Channel
802.11b	1Mbps	default	default	default
802.11g	6Mbps	default	default	default
802.11n20	MCS0	default	default	default
802.11n40	MCS0	default	default	default
802.11ax20	MCS0	default	default	default
802.11ax40	MCS0	default	default	default

Note: The worst-case data rates are determined to be as follows for each mode based upon inverstigation by measuring the power and PSD across all data rates bandwidths, and modulations. For 802.11 ax modes, the device not support partial RU mode.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

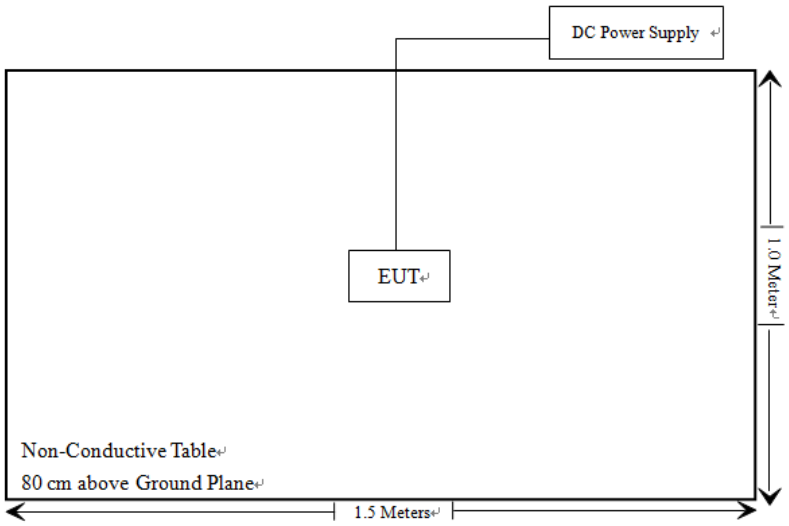
Manufacturer	Description	Model	Serial Number
instek	DC Power Supply	GPS-3030DD	EM832096

External I/O Cable

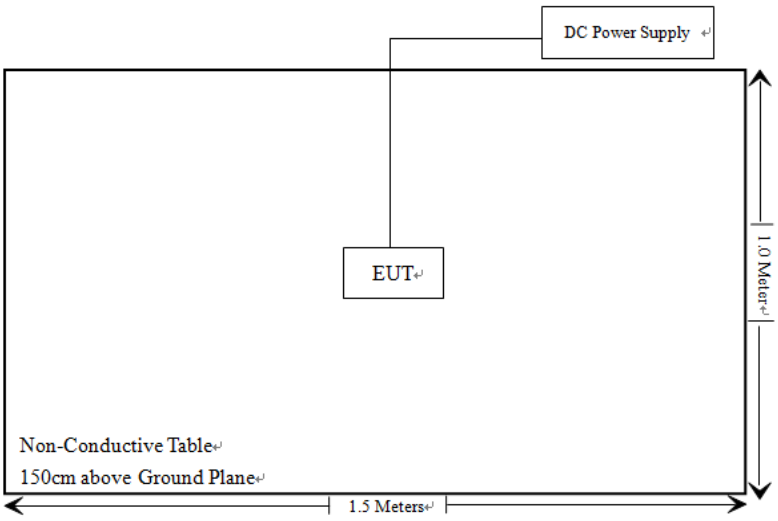
Cable Description	Length (m)	From Port	To
/	/	/	/

Block Diagram of Test Setup

For Radiated Emissions below 1GHz:



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	Compliant
FCC §15.207(a)	AC Line Conducted Emissions	Not Applicable
FCC §15.205,§15.209,§15.247(d)	Radiated Spurious Emission	Compliant
FCC §15.207(a)(2)	6dB Emission Bandwidth	Compliant
FCC §15.247(b)(1)	Maximum Conducted Output Power	Compliant
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
FCC §15.247(e)	Power Spectral Density	Compliant
C63.10 §11.6	Duty Cycle	Compliant
§15.247 (i), §1.1307 (b) (3) & §2.1091	Maximum Permissible Exposure(MPE)	Compliant

Not Applicable: The EUT cannot connect directly to the public power network.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/12/04	2025/12/03
Rohde & Schwarz	LISN	ENV216	101613	2024/12/04	2025/12/03
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2024/05/21	2025/05/20
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2024/05/21	2025/05/20
Radiated Emission Test					
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2024/12/04	2025/12/03
Sonoma instrument	Pre-amplifier	310N	186238	2024/05/21	2025/05/20
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Cable	XH500C	J-10M-A	2024/06/18	2025/06/17
Unknown	Cable	Chamber Cable 1	F-03-EM236	2024/06/18	2025/06/17
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Cable	PNG214	1354	2024/12/04	2025/12/03
Unknown	Cable	2Y194	0735	2024/12/04	2025/12/03
Rohde&Schwarz	Spectrum Analyzer	FSV40	101605	2024/03/27	2025/03/26
COM-POWER	Pre-amplifier	PA-122	181919	2024/06/18	2025/06/17
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	RF Cable	KMSE	0735	2024/12/04	2025/12/03
Unknown	RF Cable	UFA147	219661	2024/12/04	2025/12/03
Unknown	RF Cable	XH750A-N	J-10M	2024/12/04	2025/12/03
JD	Multiplex Switch Test Control Set	DT7220FSU	DQ77926	2024/06/18	2025/06/17
A.H.System	Pre-amplifier	PAM-1840VH	190	2024/06/18	2025/06/17
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17
UTIFLEX	RF Cable	NO. 13	232308-001	2024/06/18	2025/06/17

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyze	FSU26	200982	2024/09/20	2025/09/19
Rohde&Schwarz	Spectrum Analyzer	FSV40-N	102259	2024/01/16	2025/01/15
Rohde&Schwarz	Spectrum Analyzer	FSV40-N	102259	2024/12/04	2025/12/03
MARCONI	10dB Attenuator	6534/3	2942	2024/06/27	2025/06/26
ANRITSU	Microwave peak power sensor	MA24418A	12622	2024/05/21	2025/05/20

*** 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).

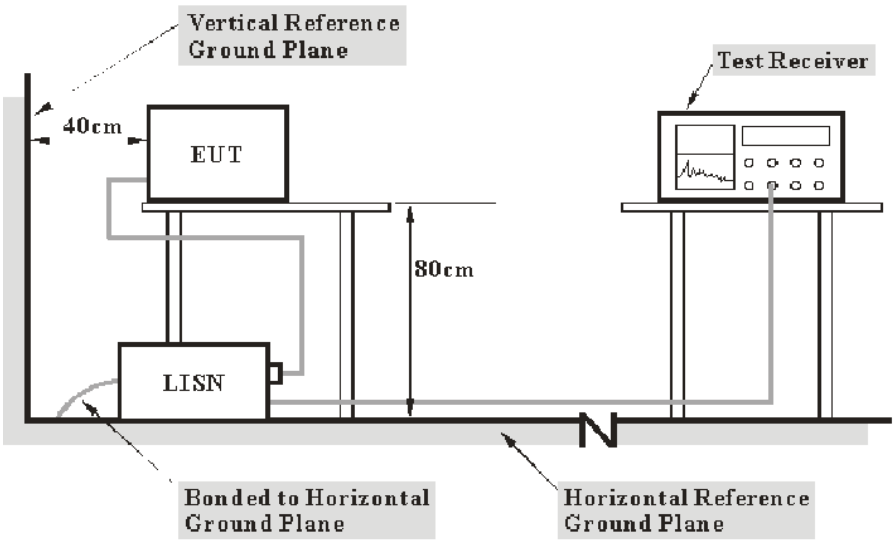
REQUIREMENTS AND TEST PROCEDURES

AC Line Conducted Emissions

Applicable Standard

FCC§15.207

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

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

All final 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 margin calculation is as follows:

Over Limit = level – Limit
Level= reading level+ Factor

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

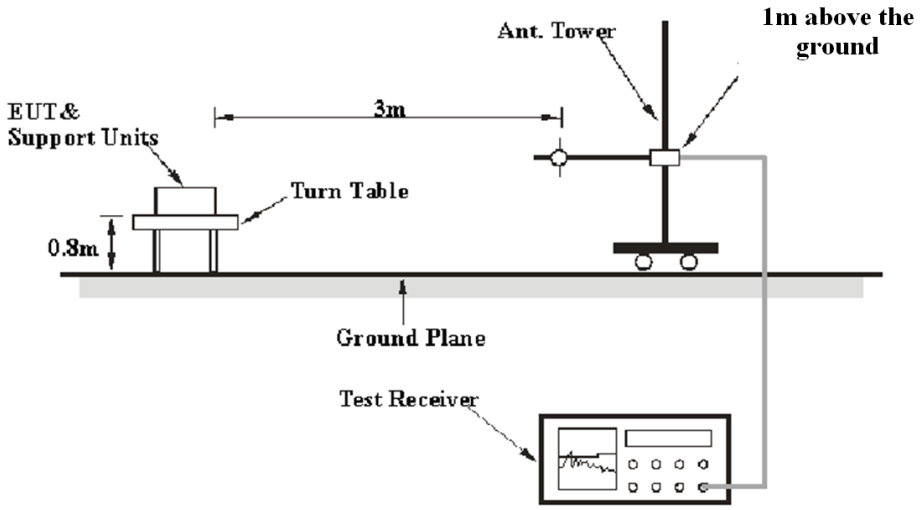
Spurious Emissions

Applicable Standard

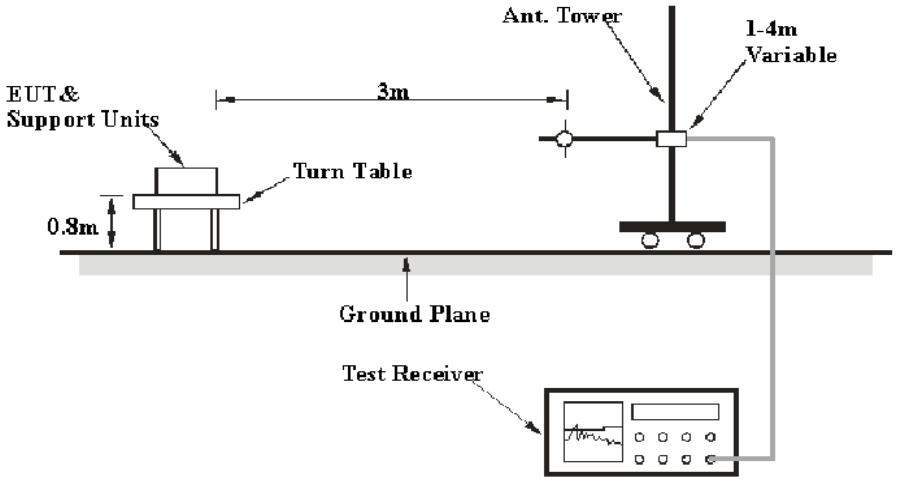
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

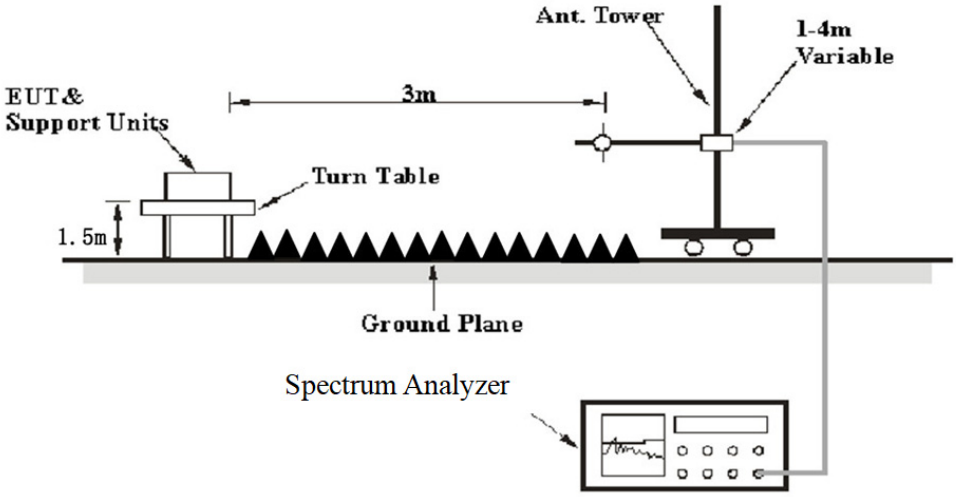
9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emission performed in the 3 meters, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, FCC 15.247 limits.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 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

1-25GHz:
Pre-scan

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	5 kHz
	<98%	1MHz	≥1/Ton, not less than 5 kHz

Final measurement for emission identified during pre-scan

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

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

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

6 dB Emission Bandwidth

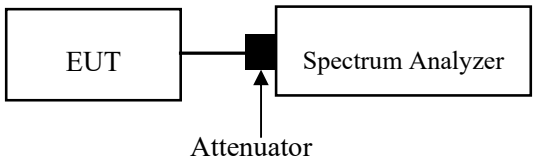
Applicable Standard

According to FCC §15.247(a) (2)
Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.8.1

a) Set RBW = 100 kHz.
b) Set the 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 by6 dB relative to the maximum level measured in the fundamental emission.



Maximum Conducted Output Power

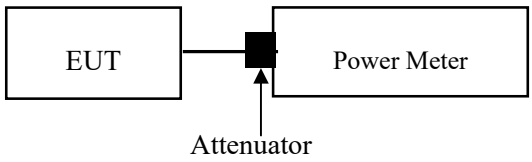
Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Test Procedure

Test method: ANSI C63.10-2013 clause 11.9.1.3 for peak power method or clause 11.9.2.3.2 for average power method.

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: A short RF cable with low cable loss connected to the EUT antenna port,which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

100 kHz Bandwidth of Frequency Band Edge

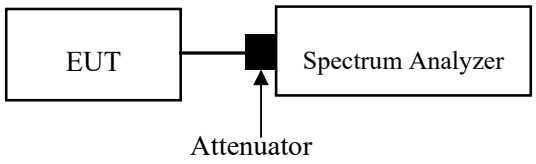
Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.11

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.



Power Spectral Density

Applicable Standard

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

Test Method: ANSI C63.10-2013 Clause 11.10.2

Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.

1. Set the RBW to: 3kHz≤ RBW≤100 kHz.
2. Set the VBW ≥ 3×RBW.
3. Set the span to 1.5 times the DTS bandwidth.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level within the RBW.
9. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

Test Method: ANSI C63.10-2013 Clause 11.10.3 Method AVGPSD-1

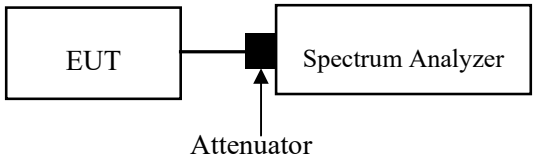
The following procedure may be used when the maximum (average) conducted output power was used to determine compliance to the fundamental output power limit. This is the baseline method for determining the maximum (average) conducted PSD level. If the instrument has a power averaging (rms) detector, then it must be used; otherwise, use the sample detector. The EUT must be configured to transmit continuously (D ⩾ 98%), or else sweep triggering/signal gating must be implemented to ensure that measurements are made only when the EUT is transmitting at its maximum power control level (no transmitter OFF time to be considered):

1. Set instrument center frequency to DTS channel center frequency.
2. Set span to at least 1.5 times the OBW.
3. Set the RBW to: 3kHz≤ RBW≤100 kHz.
4. Set the VBW ≥ 3×BW.
5. Detector = power averaging (rms) or sample detector (when rms not available)
6. Ensure that the number of measurement points in the sweep ⩾ [2 × span / RBW].
7. Sweep time = auto couple.
8. Employ trace averaging (rms) mode over a minimum of 100 traces.
9. Use the peak marker function to determine the maximum amplitude level.
10. If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

Test Method: ANSI C63.10-2013 Clause 11.10.5 Method AVGPSD-2

The following procedure is applicable when the EUT cannot be configured to transmit continuously (i.e., D < 98%), when sweep triggering/signal gating cannot be used to measure only when the EUT is transmitting at its maximum power control level, and when the transmission duty cycle is constant (i.e., duty cycle variations are less than ±2%):

1. Measure the duty cycle (D) of the transmitter output signal as described in 11.6.
2. Set instrument center frequency to DTS channel center frequency.
3. Set span to at least 1.5 times the OBW.
4. Set the RBW to: 3kHz≤ RBW≤100 kHz.
5. Set the VBW ≥ 3×BW.
6. Detector = power averaging (rms) or sample detector (when rms not available)
7. Ensure that the number of measurement points in the sweep ⩾ [2 × span / RBW].
8. Sweep time = auto couple.
9. Do not use sweep triggering; allow sweep to "free run."
10. Employ trace averaging (rms) mode over a minimum of 100 traces.
11. Use the peak marker function to determine the maximum amplitude level.
12. If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).



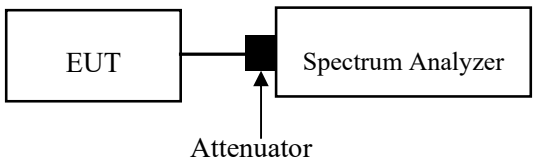
Note: A short RF cable with low cable loss connected to the EUT antenna port,which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Duty Cycle

Test Procedure

According to ANSI C63.10-2013 Section 11.6

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.)



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 an internal antenna arrangement, which was permanently attached, the antenna gain[#] is 2dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant

TEST DATA AND RESULTS

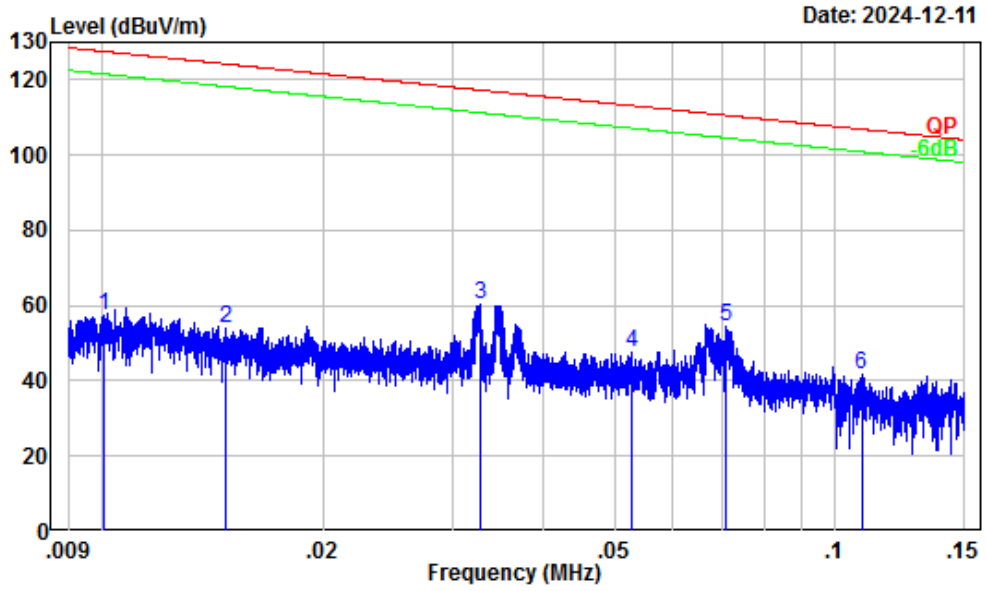
Spurious Emissions

Environmental Conditions

Temperature (℃)	24.2~24.8	**Relative Humidity (%)**	50.5~54
ATM Pressure (kPa):	101.6~101.8	**Test engineer:**	Carl Zhu & Zenos Qiao
Test date:	2024/12/11&2024/12/17		
EUT operation mode:	Below 1GHz: Transmitting (All modes were preswept, and the 802.11b Middle Channel had the worst results. The report shows only the worst test results) Above 1GHz: Transmitting		
Note:	1. For the radiated spurious emission below 30MHz, only the worst case (parallel) was recorded. 2. For the radiated spurious emission below 30MHz, When the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded. 3. After pre-scan in the X, Y and Z axes of orientation, the worst case z-axis of orientation were recorded.		

Below 1GHz:

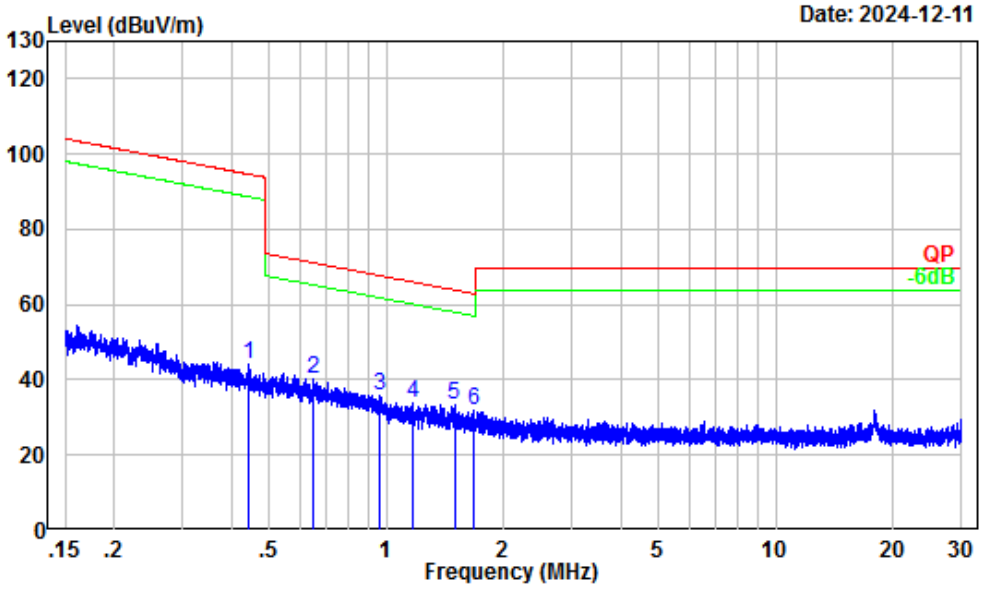
9kHz-150kHz



Site : Chamber A
Condition : 3m
Project Number : 2401Y100566E-RF
Test Mode : Transmitting
Detector QP RBW: 0.3KHz VBW:1KHz
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	32.28	25.25	57.53	127.53	-70.00	Peak
2	0.01	31.40	22.54	53.94	124.24	-70.30	Peak
3	0.03	28.21	32.17	60.38	117.30	-56.92	Peak
4	0.05	26.13	21.25	47.38	113.16	-65.78	Peak
5	0.07	24.29	29.97	54.26	110.57	-56.31	Peak
6	0.11	21.49	20.41	41.90	106.89	-64.99	Peak

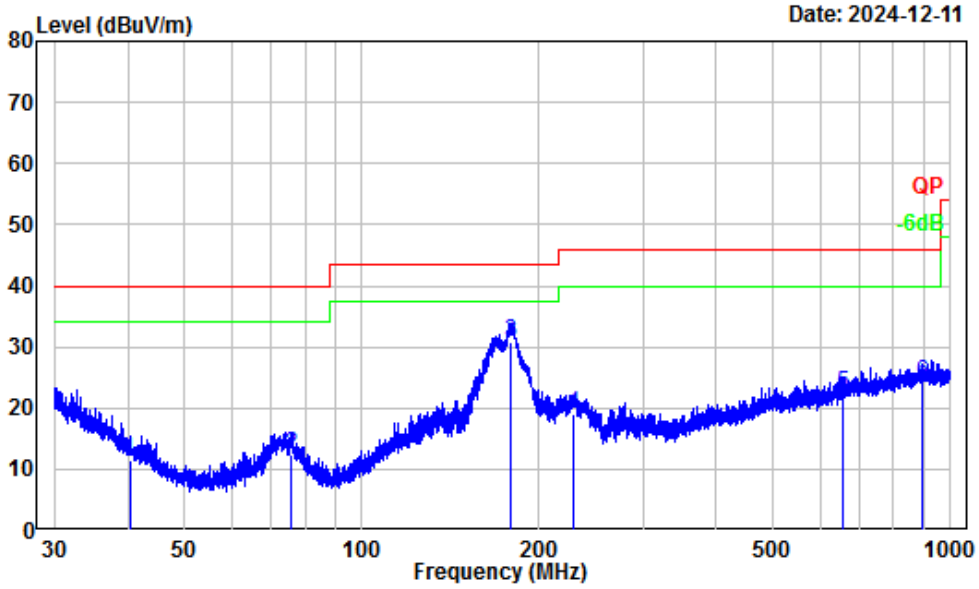
150kHz-30MHz



Site : Chamber A
Condition : 3m
Project Number : 2401Y100566E-RF
Test Mode : Transmitting
Detector QP RBW: 10KHz VBW:30KHz
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.44	7.48	36.81	44.29	94.68	-50.39	Peak
2	0.65	4.57	35.88	40.45	71.31	-30.86	Peak
3	0.97	1.46	34.40	35.86	67.79	-31.93	Peak
4	1.17	0.73	33.01	33.74	66.11	-32.37	Peak
5	1.50	-0.19	33.45	33.26	63.90	-30.64	Peak
6	1.68	-0.70	32.35	31.65	62.87	-31.22	Peak

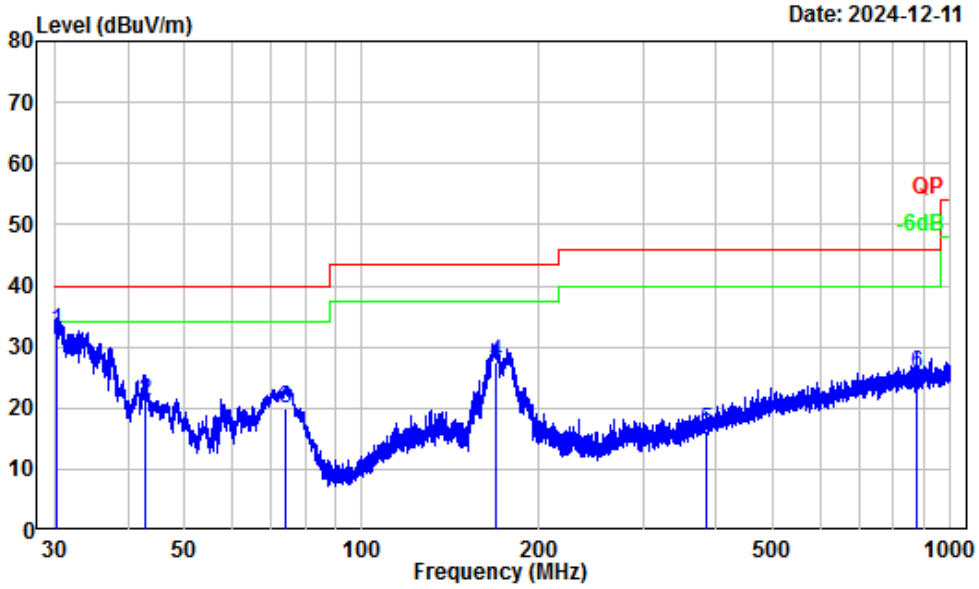
30MHz-1GHz_Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2401Y100566E-RF
Test Mode : Transmitting
Detector QP RBW: 120KHz
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	40.28	-12.56	23.95	11.39	40.00	-28.61	QP
2	76.01	-17.83	30.33	12.50	40.00	-27.50	QP
3	179.47	-13.65	44.35	30.70	43.50	-12.80	QP
4	228.09	-13.94	32.95	19.01	46.00	-26.99	QP
5	656.24	-4.01	26.20	22.19	46.00	-23.81	QP
6	896.60	-1.31	25.47	24.16	46.00	-21.84	QP

30MHz-1GHz_Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number : 2401Y100566E-RF
Test Mode : Transmitting
Detector QP RBW: 120KHz
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	30.34	-6.13	38.75	32.62	40.00	-7.38	QP
2	42.92	-14.52	35.75	21.23	40.00	-18.77	QP
3	74.33	-17.84	37.86	20.02	40.00	-19.98	QP
4	169.23	-13.10	40.46	27.36	43.50	-16.14	QP
5	383.93	-9.04	25.20	16.16	46.00	-29.84	QP
6	878.71	-1.51	27.30	25.79	46.00	-20.21	QP

Above 1GHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11b							
Low Channel							
4824	54.81	PK	H	-7.75	47.06	74	-26.94
4824	47.79	AV	H	-7.75	40.04	54	-13.96
4824	55.94	PK	V	-7.75	48.19	74	-25.81
4824	48.32	AV	V	-7.75	40.57	54	-13.43
Middle Channel							
4874	55.87	PK	H	-7.61	48.26	74	-25.74
4874	49.72	AV	H	-7.61	42.11	54	-11.89
4874	57.06	PK	V	-7.61	49.45	74	-24.55
4874	50.25	AV	V	-7.61	42.64	54	-11.36
High Channel							
4924	55.16	PK	H	-7.57	47.59	74	-26.41
4924	49.04	AV	H	-7.57	41.47	54	-12.53
4924	56.39	PK	V	-7.57	48.82	74	-25.18
4924	48.58	AV	V	-7.57	41.01	54	-12.99
802.11g							
Low Channel							
4824	51.98	PK	H	-7.75	44.23	74	-29.77
4824	38.8	AV	H	-7.75	31.05	54	-22.95
4824	52.51	PK	V	-7.75	44.76	74	-29.24
4824	39.02	AV	V	-7.75	31.27	54	-22.73
Middle Channel							
4874	52.74	PK	H	-7.61	45.13	74	-28.87
4874	39.15	AV	H	-7.61	31.54	54	-22.46
4874	53.28	PK	V	-7.61	45.67	74	-28.33
4874	39.36	AV	V	-7.61	31.75	54	-22.25
High Channel							
4924	52.35	PK	H	-7.57	44.78	74	-29.22
4924	38.96	AV	H	-7.57	31.39	54	-22.61
4924	52.89	PK	V	-7.57	45.32	74	-28.68
4924	39.18	AV	V	-7.57	31.61	54	-22.39

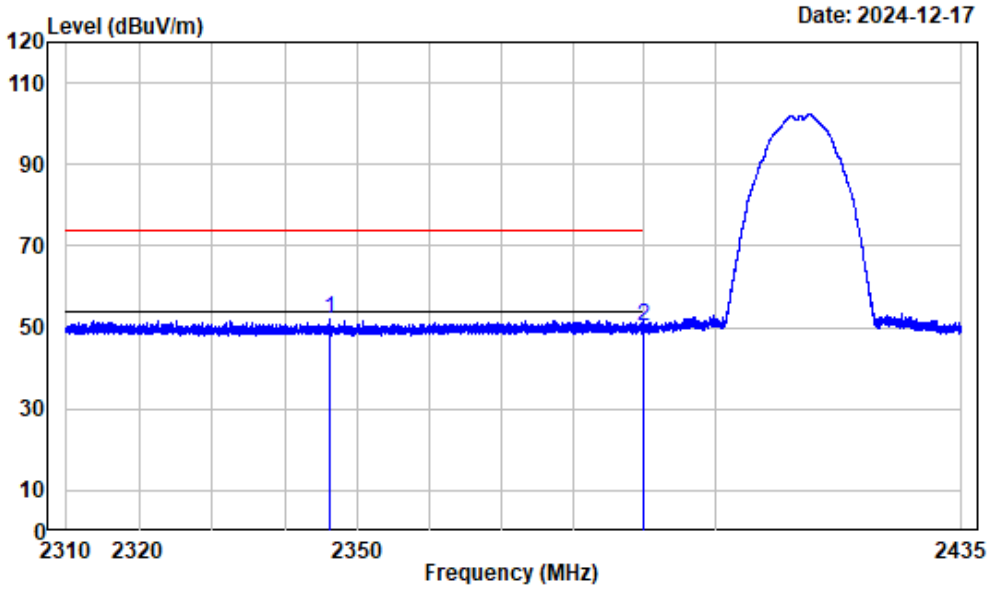
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11n20							
Low Channel							
4824	52.35	PK	H	-7.75	44.6	74	-29.4
4824	39.03	AV	H	-7.75	31.28	54	-22.72
4824	52.84	PK	V	-7.75	45.09	74	-28.91
4824	39.26	AV	V	-7.75	31.51	54	-22.49
Middle Channel							
4874	52.82	PK	H	-7.61	45.21	74	-28.79
4874	39.37	AV	H	-7.61	31.76	54	-22.24
4874	53.4	PK	V	-7.61	45.79	74	-28.21
4874	39.59	AV	V	-7.61	31.98	54	-22.02
High Channel							
4924	52.68	PK	H	-7.57	45.11	74	-28.89
4924	39.14	AV	H	-7.57	31.57	54	-22.43
4924	53.22	PK	V	-7.57	45.65	74	-28.35
4924	39.36	AV	V	-7.57	31.79	54	-22.21
802.11n40							
Low Channel							
4844	52.23	PK	H	-7.61	44.62	74	-29.38
4844	39.19	AV	H	-7.61	31.58	54	-22.42
4844	52.6	PK	V	-7.61	44.99	74	-29.01
4844	39.38	AV	V	-7.61	31.77	54	-22.23
Middle Channel							
4874	52.89	PK	H	-7.61	45.28	74	-28.72
4874	39.56	AV	H	-7.61	31.95	54	-22.05
4874	53.31	PK	V	-7.61	45.7	74	-28.3
4874	39.74	AV	V	-7.61	32.13	54	-21.87
High Channel							
4904	52.45	PK	H	-7.53	44.92	74	-29.08
4904	39.37	AV	H	-7.53	31.84	54	-22.16
4904	52.84	PK	V	-7.53	45.31	74	-28.69
4904	39.52	AV	V	-7.53	31.99	54	-22.01

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11ax20							
Low Channel							
4824	52.19	PK	H	-7.75	44.44	74	-29.56
4824	38.75	AV	H	-7.75	31	54	-23
4824	52.66	PK	V	-7.75	44.91	74	-29.09
4824	39.02	AV	V	-7.75	31.27	54	-22.73
Middle Channel							
4874	52.84	PK	H	-7.61	45.23	74	-28.77
4874	39.18	AV	H	-7.61	31.57	54	-22.43
4874	53.31	PK	V	-7.61	45.7	74	-28.3
4874	39.45	AV	V	-7.61	31.84	54	-22.16
High Channel							
4924	52.55	PK	H	-7.57	44.98	74	-29.02
4924	38.96	AV	H	-7.57	31.39	54	-22.61
4924	53.02	PK	V	-7.57	45.45	74	-28.55
4924	39.17	AV	V	-7.57	31.6	54	-22.4
802.11ax40							
Low Channel							
4844	51.99	PK	H	-7.61	44.38	74	-29.62
4844	39.04	AV	H	-7.61	31.43	54	-22.57
4844	52.46	PK	V	-7.61	44.85	74	-29.15
4844	39.23	AV	V	-7.61	31.62	54	-22.38
Middle Channel							
4874	52.63	PK	H	-7.61	45.02	74	-28.98
4874	39.48	AV	H	-7.61	31.87	54	-22.13
4874	53.17	PK	V	-7.61	45.56	74	-28.44
4874	39.65	AV	V	-7.61	32.04	54	-21.96
High Channel							
4904	52.32	PK	H	-7.53	44.79	74	-29.21
4904	39.27	AV	H	-7.53	31.74	54	-22.26
4904	52.78	PK	V	-7.53	45.25	74	-28.75
4904	39.46	AV	V	-7.53	31.93	54	-22.07

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

Test plots

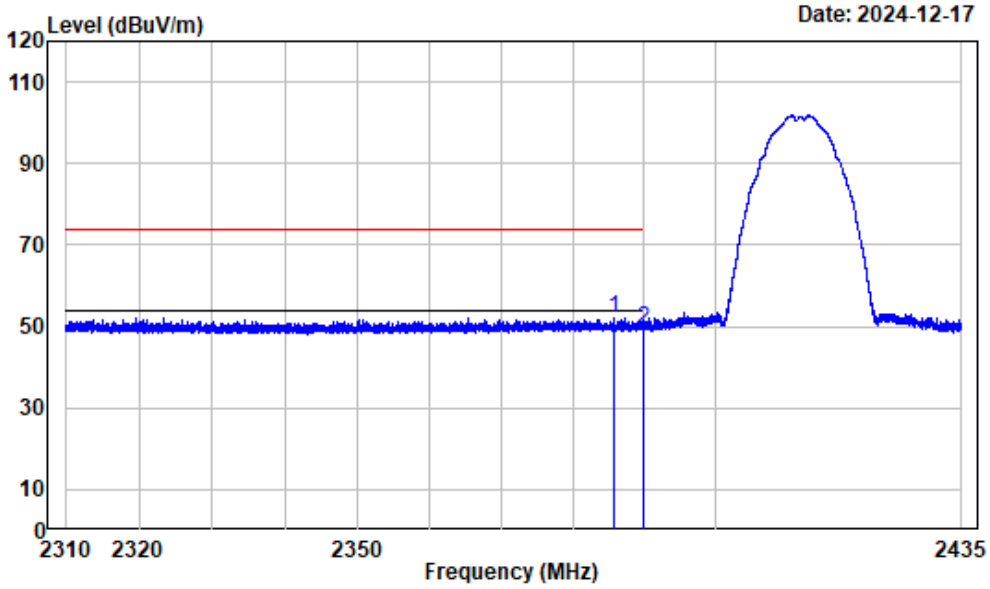
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2346.239	-10.88	63.11	52.23	74.00	-21.77	Peak
2	2390.000	-10.98	61.25	50.27	74.00	-23.73	Peak

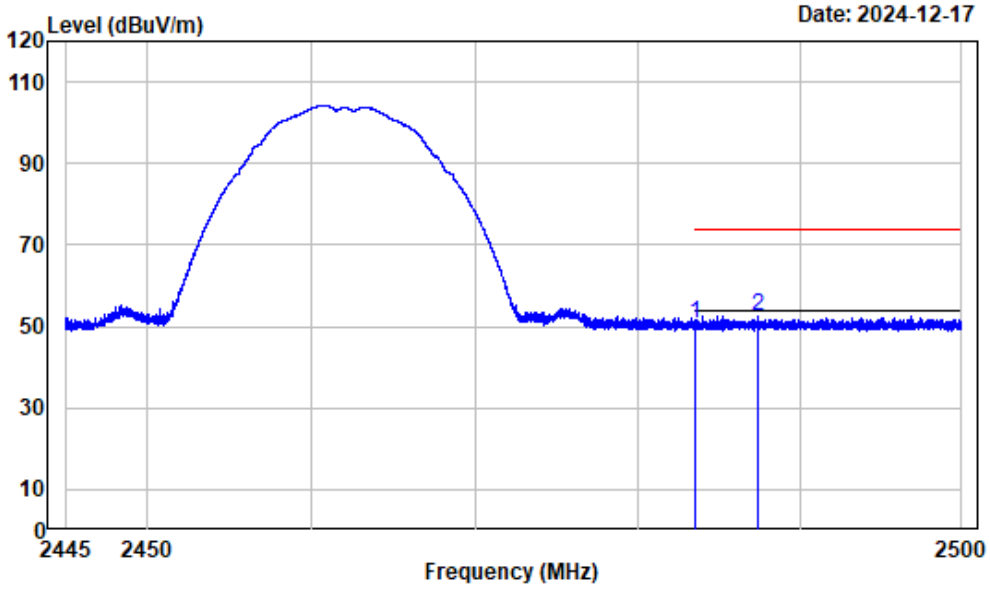
Left Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2385.681	-10.97	63.05	52.08	74.00	-21.92	Peak
2	2390.000	-10.98	60.28	49.30	74.00	-24.70	Peak

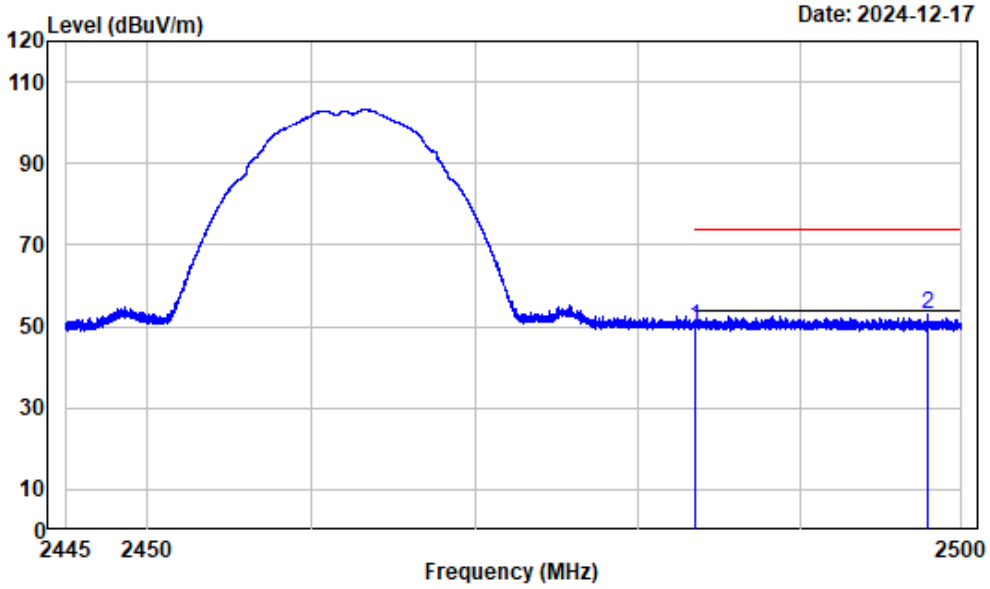
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	61.51	50.54	74.00	-23.46	Peak
2	2487.438	-10.97	63.56	52.59	74.00	-21.41	Peak

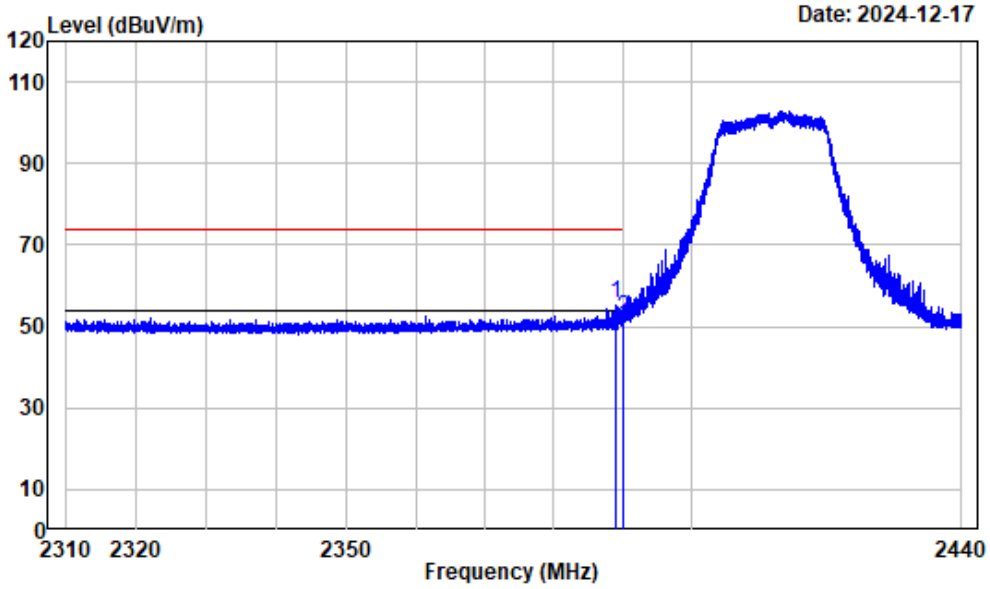
Right Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	60.72	49.75	74.00	-24.25	Peak
2	2497.862	-11.00	63.89	52.89	74.00	-21.11	Peak

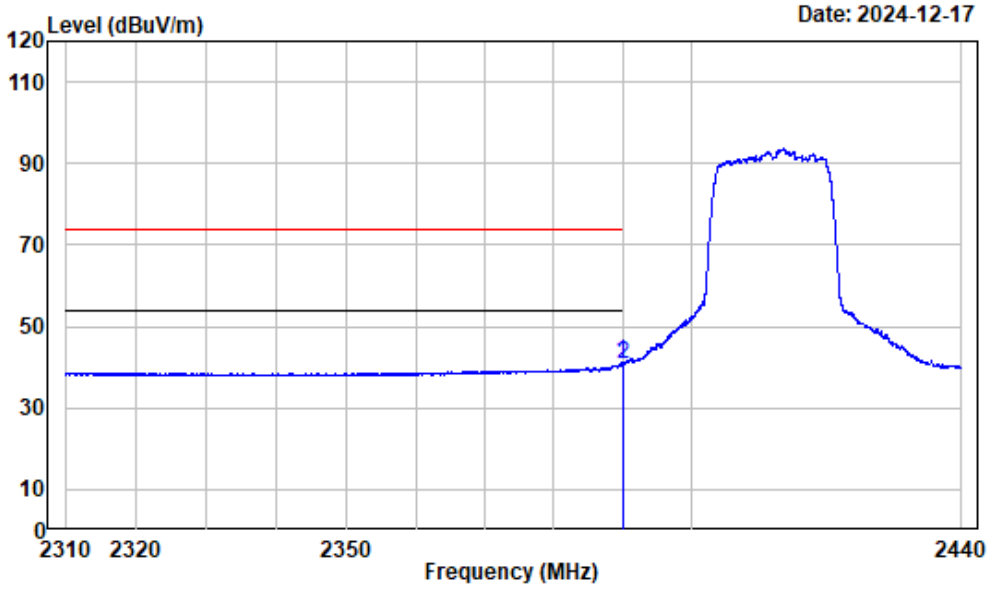
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.082	-10.98	66.89	55.91	74.00	-18.09	Peak
2	2390.000	-10.98	63.20	52.22	74.00	-21.78	Peak

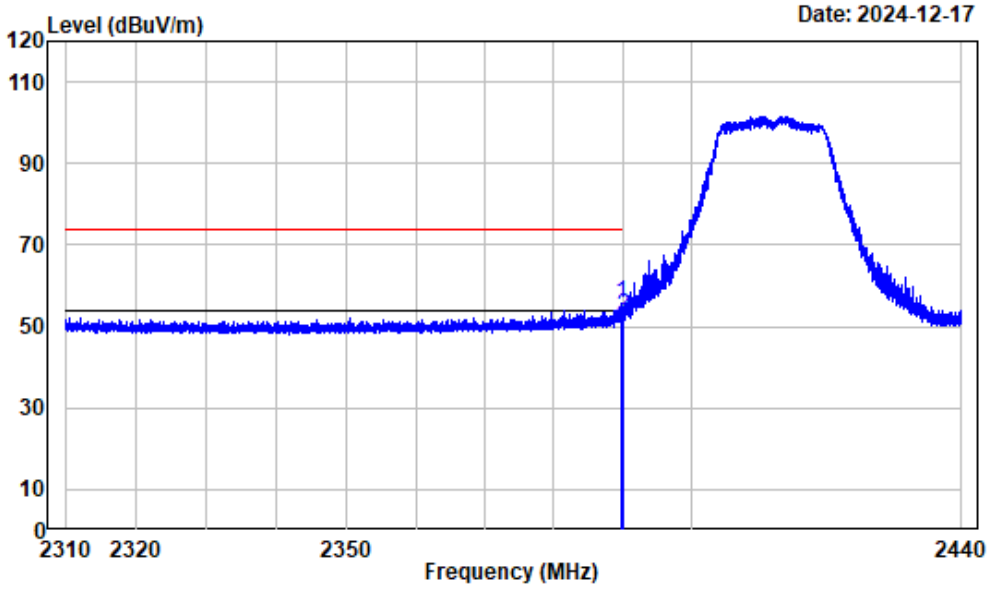
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.960	-10.98	52.04	41.06	54.00	-12.94	Average
2	2390.000	-10.98	51.91	40.93	54.00	-13.07	Average

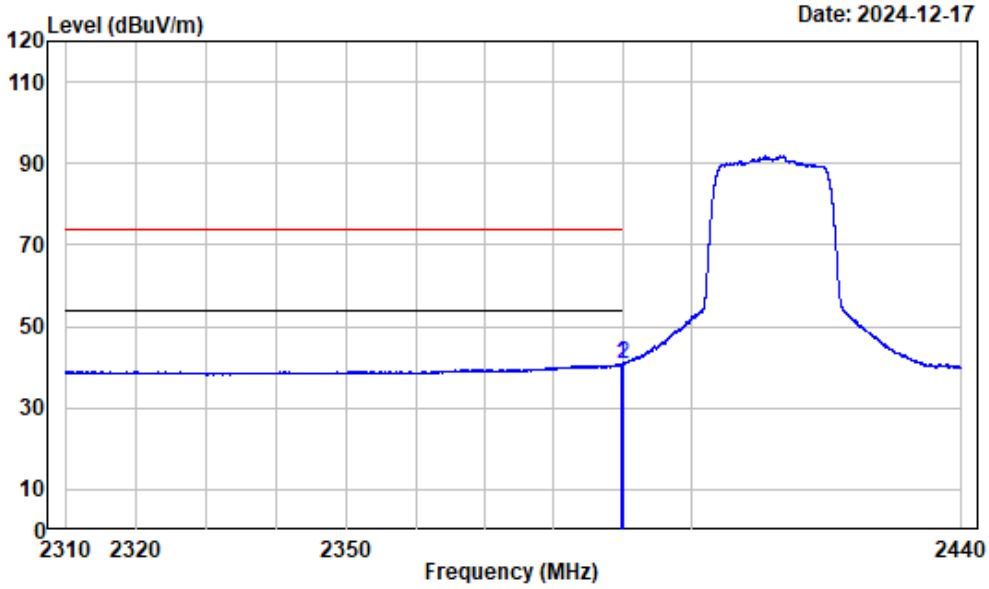
Left Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.944	-10.98	66.58	55.60	74.00	-18.40	Peak
2	2390.000	-10.98	63.58	52.60	74.00	-21.40	Peak

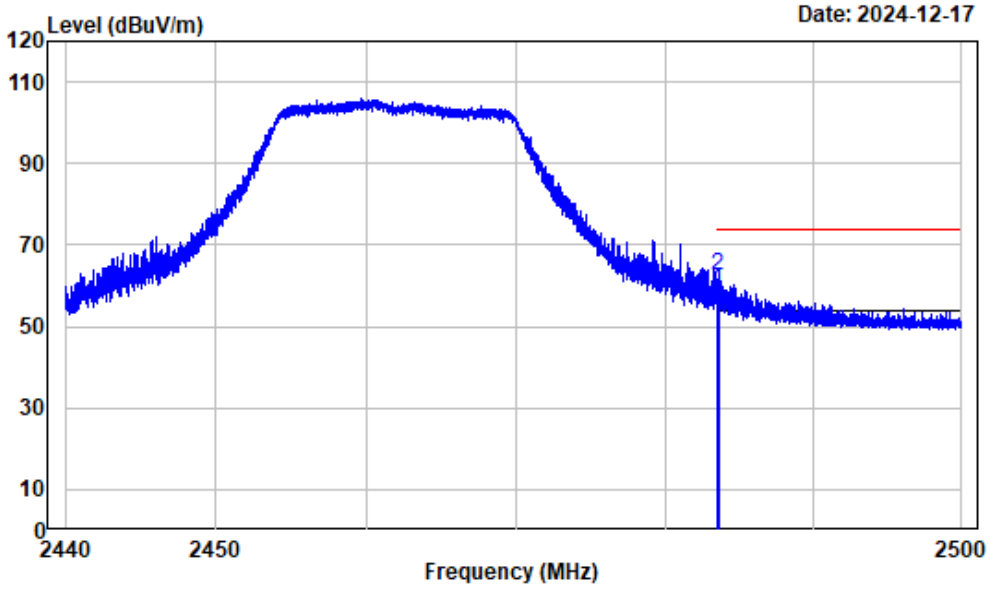
Left Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.749	-10.98	51.84	40.86	54.00	-13.14	Average
2	2390.000	-10.98	51.78	40.80	54.00	-13.20	Average

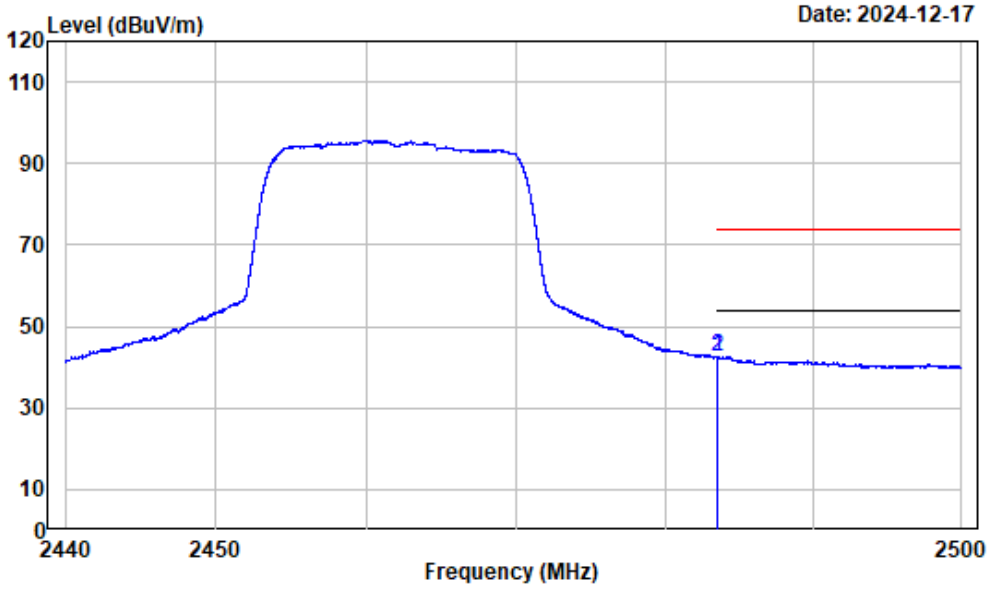
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	69.74	58.77	74.00	-15.23	Peak
2	2483.573	-10.97	73.36	62.39	74.00	-11.61	Peak

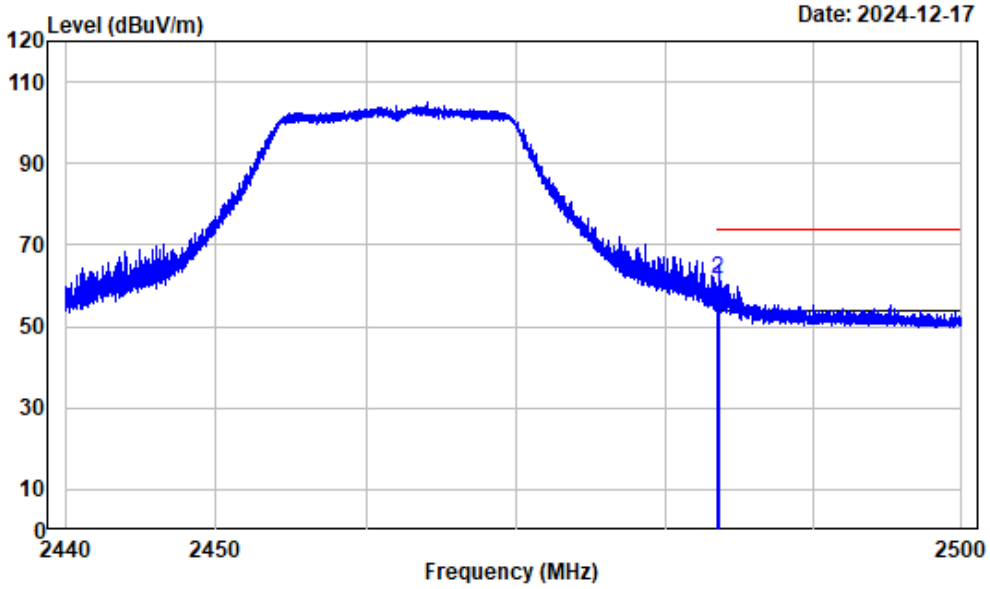
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	53.42	42.45	54.00	-11.55	Average
2	2483.521	-10.97	53.52	42.55	54.00	-11.45	Average

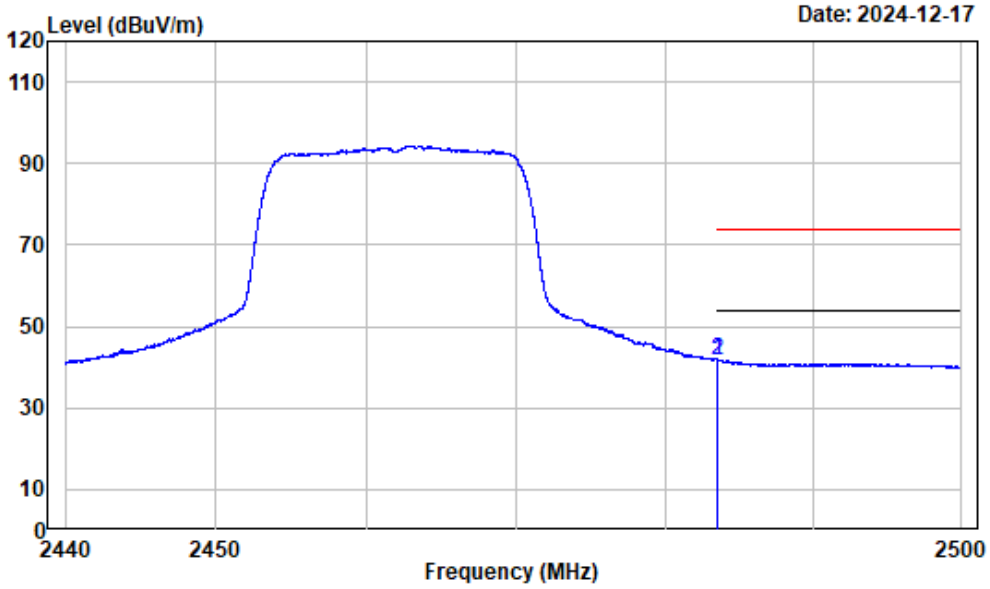
Right Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	70.68	59.71	74.00	-14.29	Peak
2	2483.573	-10.97	72.37	61.40	74.00	-12.60	Peak

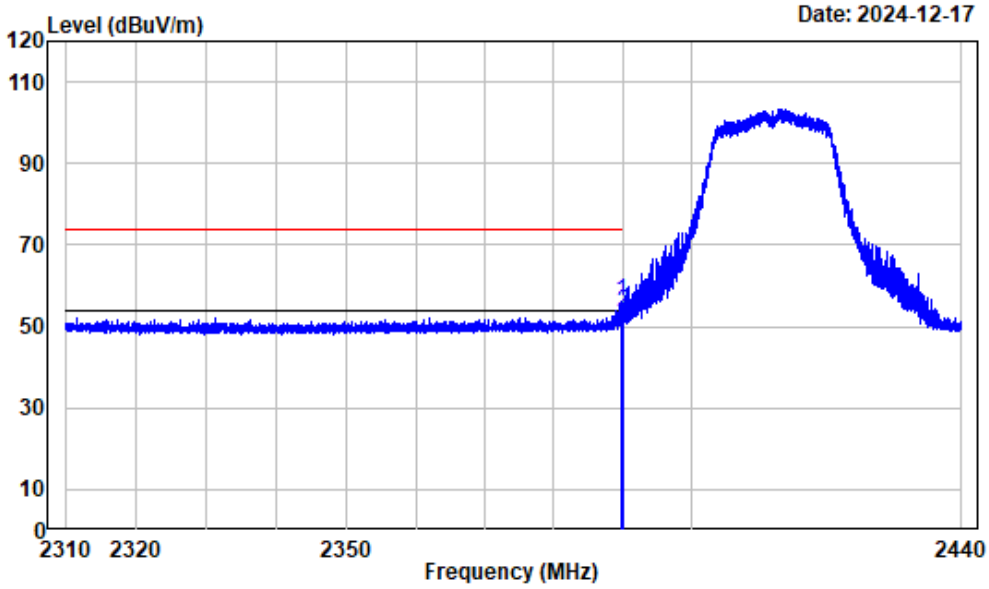
Right Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	52.71	41.74	54.00	-12.26	Average
2	2483.551	-10.97	52.84	41.87	54.00	-12.13	Average

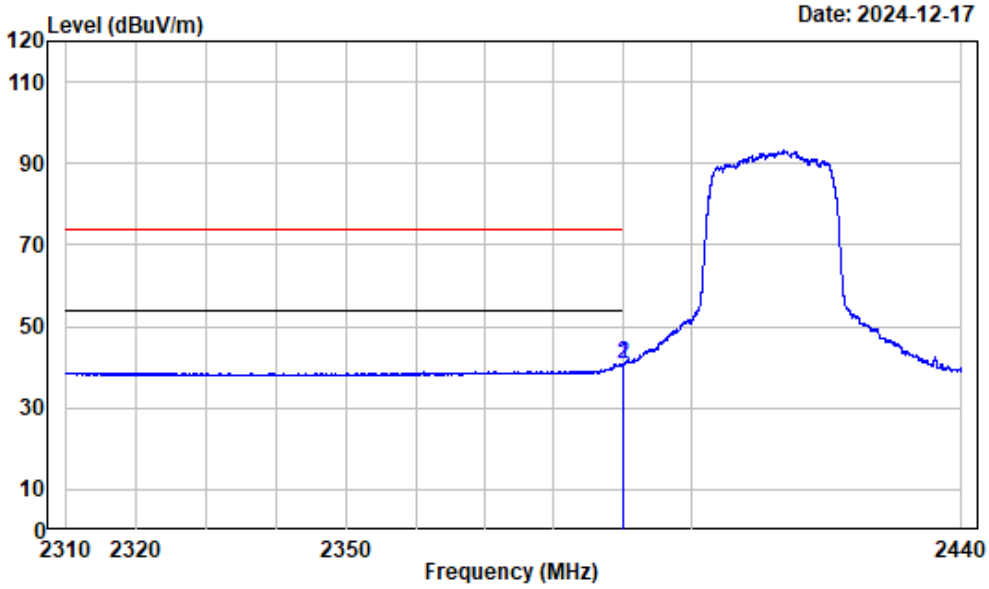
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.749	-10.98	66.98	56.00	74.00	-18.00	Peak
2	2390.000	-10.98	64.43	53.45	74.00	-20.55	Peak

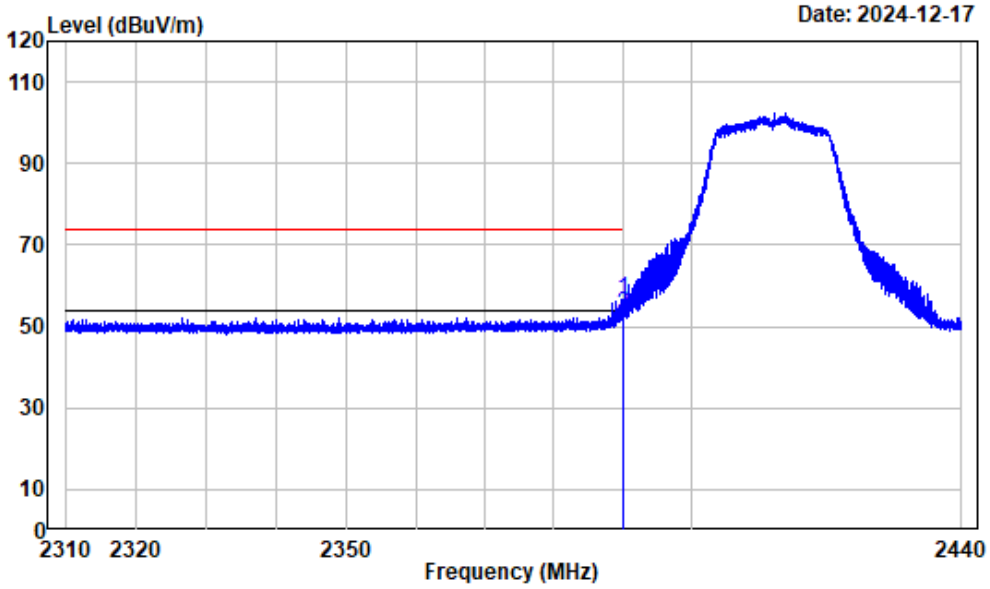
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.989	-10.98	51.91	40.93	54.00	-13.07	Average
2	2390.000	-10.98	51.80	40.82	54.00	-13.18	Average

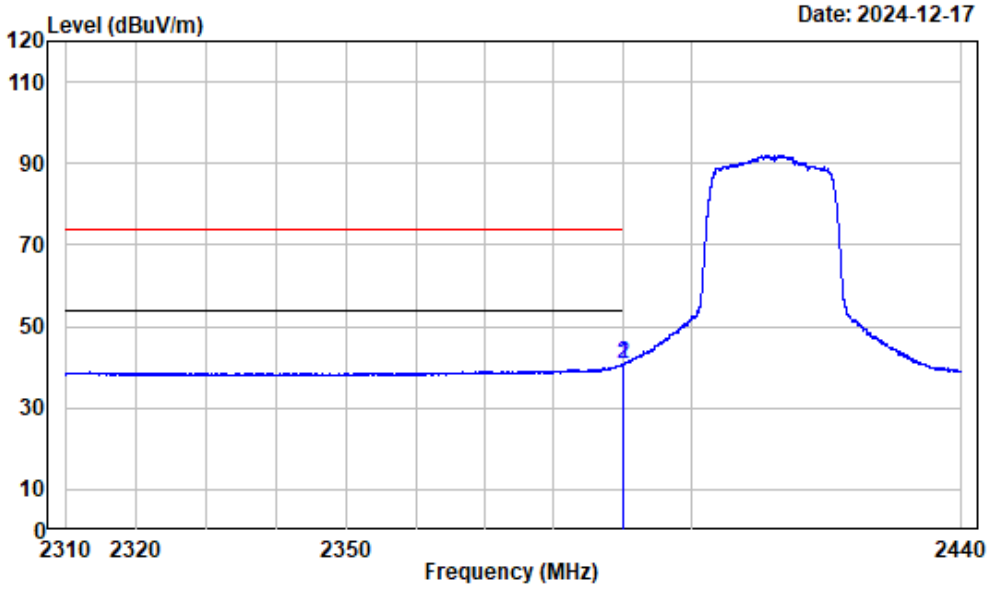
Left Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.976	-10.98	67.74	56.76	74.00	-17.24	Peak
2	2390.000	-10.98	63.74	52.76	74.00	-21.24	Peak

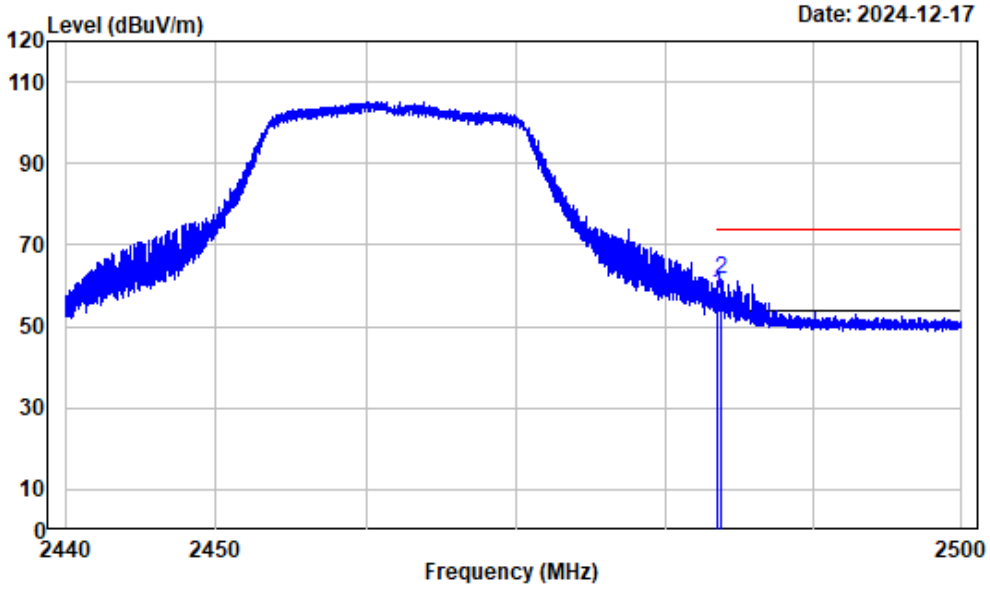
Left Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.992	-10.98	51.82	40.84	54.00	-13.16	Average
2	2390.000	-10.98	51.71	40.73	54.00	-13.27	Average

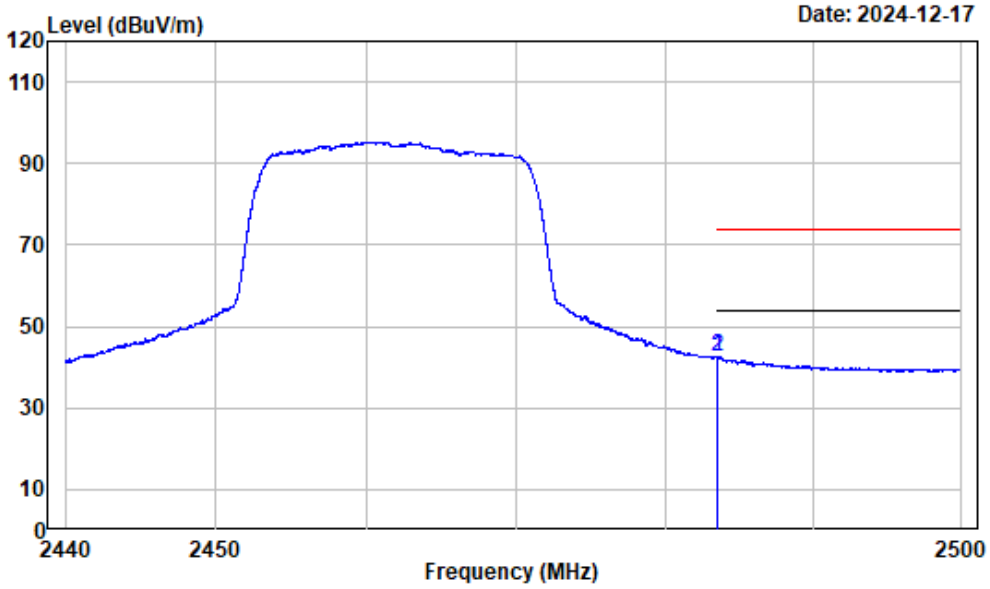
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	68.98	58.01	74.00	-15.99	Peak
2	2483.783	-10.97	72.55	61.58	74.00	-12.42	Peak

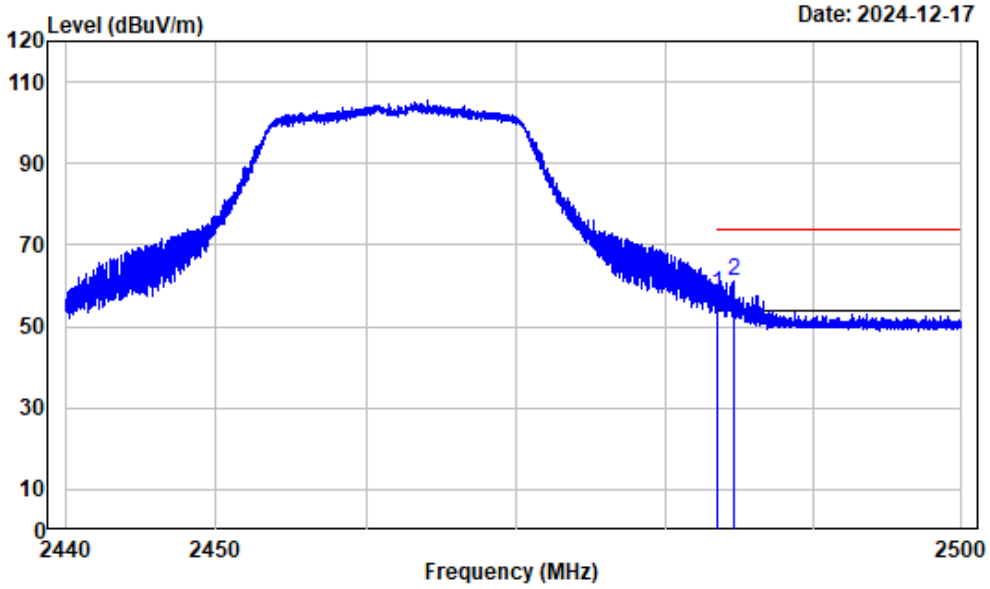
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	53.46	42.49	54.00	-11.51	Average
2	2483.525	-10.97	53.54	42.57	54.00	-11.43	Average

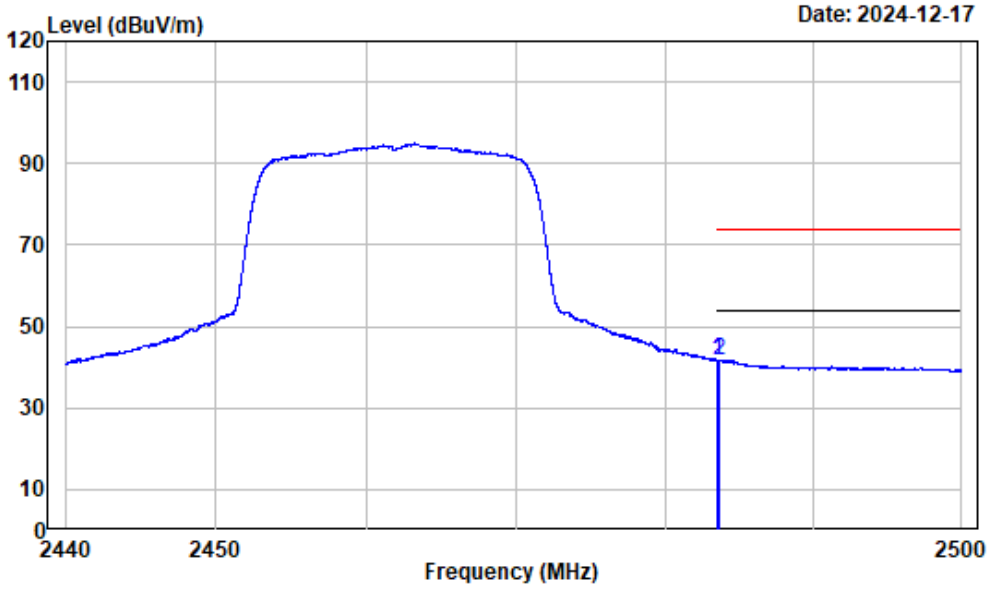
Right Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	68.95	57.98	74.00	-16.02	Peak
2	2484.661	-10.97	72.24	61.27	74.00	-12.73	Peak

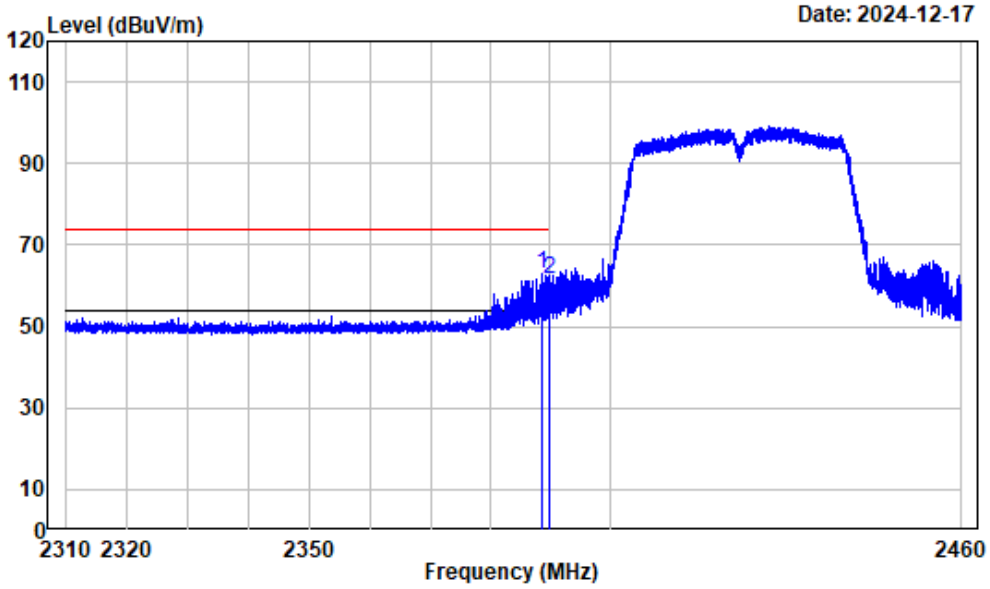
Right Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	52.50	41.53	54.00	-12.47	Average
2	2483.648	-10.97	52.76	41.79	54.00	-12.21	Average

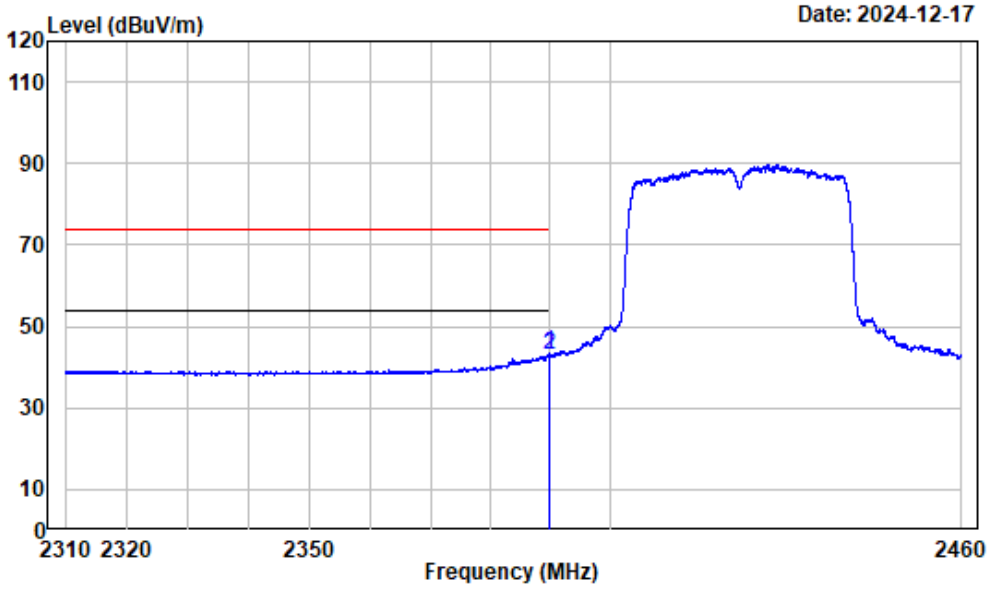
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2388.591	-10.98	73.79	62.81	74.00	-11.19	Peak
2	2390.000	-10.98	72.76	61.78	74.00	-12.22	Peak

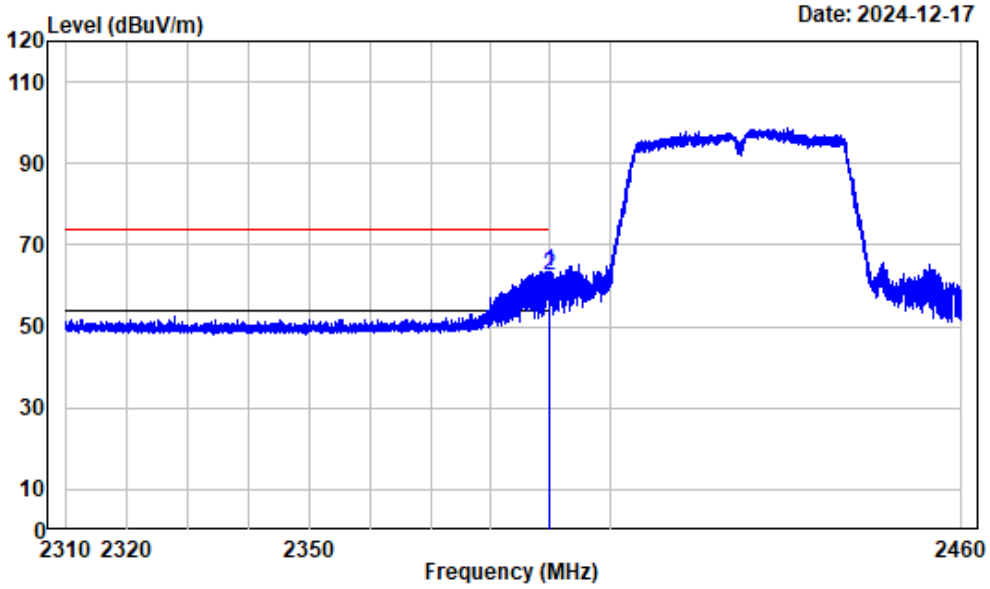
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.979	-10.98	54.27	43.29	54.00	-10.71	Average
2	2390.000	-10.98	54.21	43.23	54.00	-10.77	Average

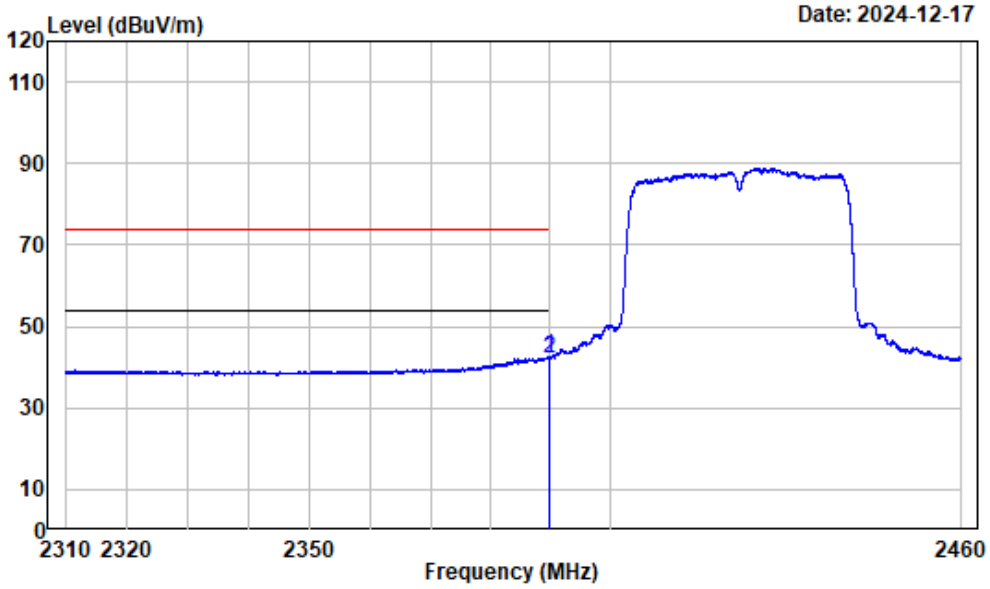
Left Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.810	-10.98	74.52	63.54	74.00	-10.46	Peak
2	2390.000	-10.98	73.54	62.56	74.00	-11.44	Peak

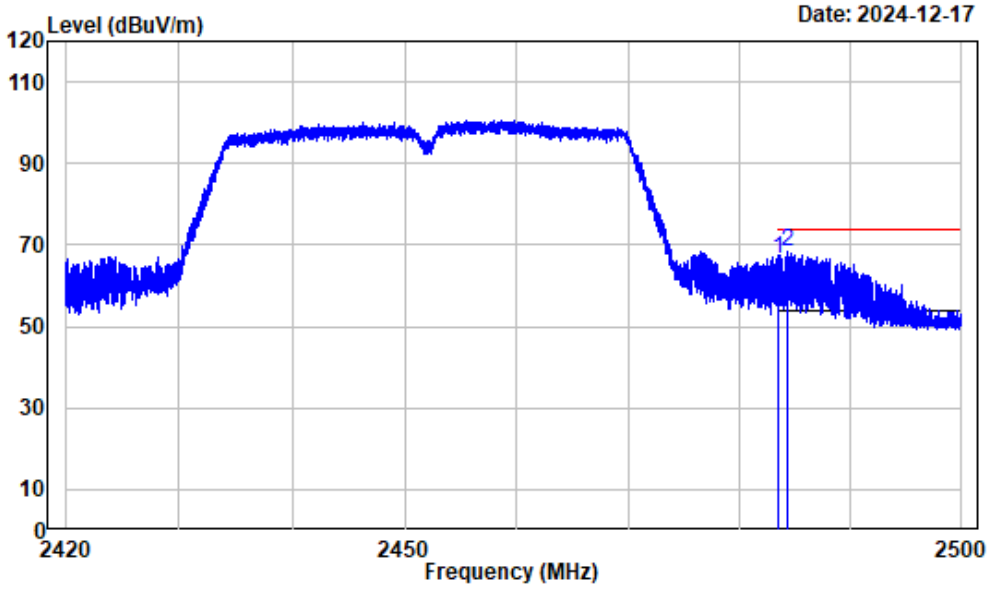
Left Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.847	-10.98	53.50	42.52	54.00	-11.48	Average
2	2390.000	-10.98	53.29	42.31	54.00	-11.69	Average

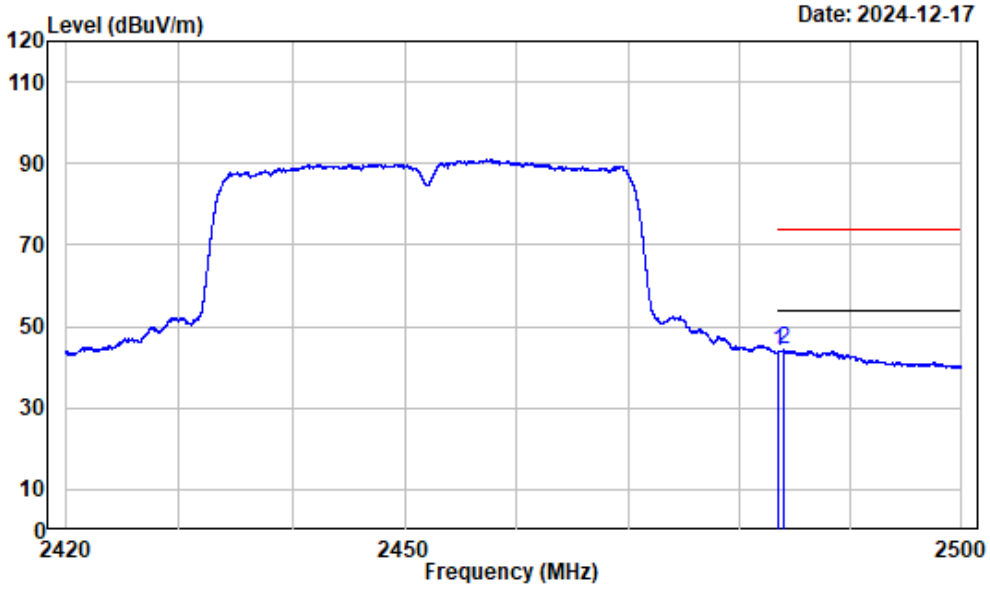
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	77.69	66.72	74.00	-7.28	Peak
2	2484.338	-10.97	79.34	68.37	74.00	-5.63	Peak

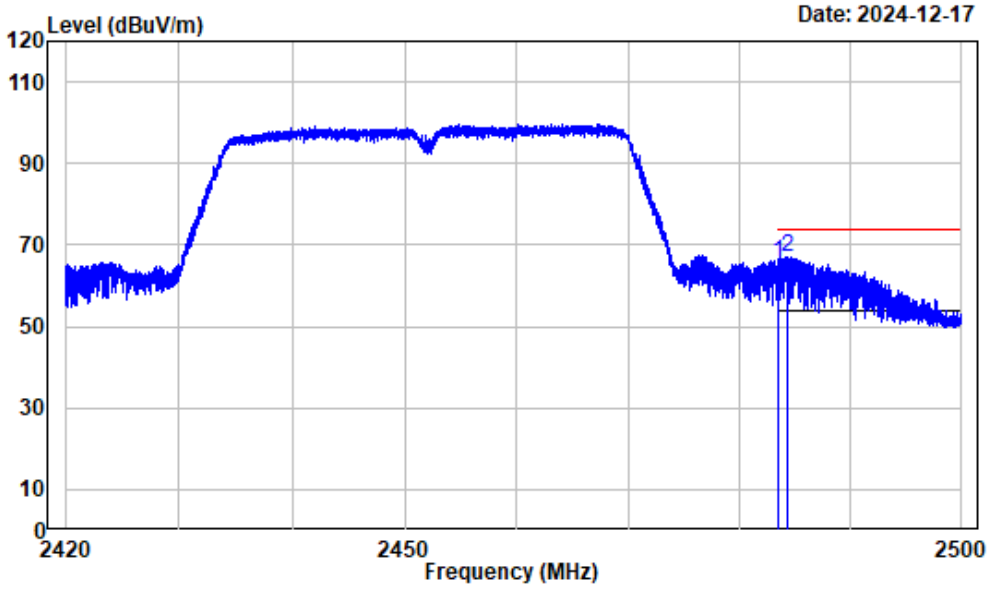
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	54.69	43.72	54.00	-10.28	Average
2	2483.908	-10.97	55.16	44.19	54.00	-9.81	Average

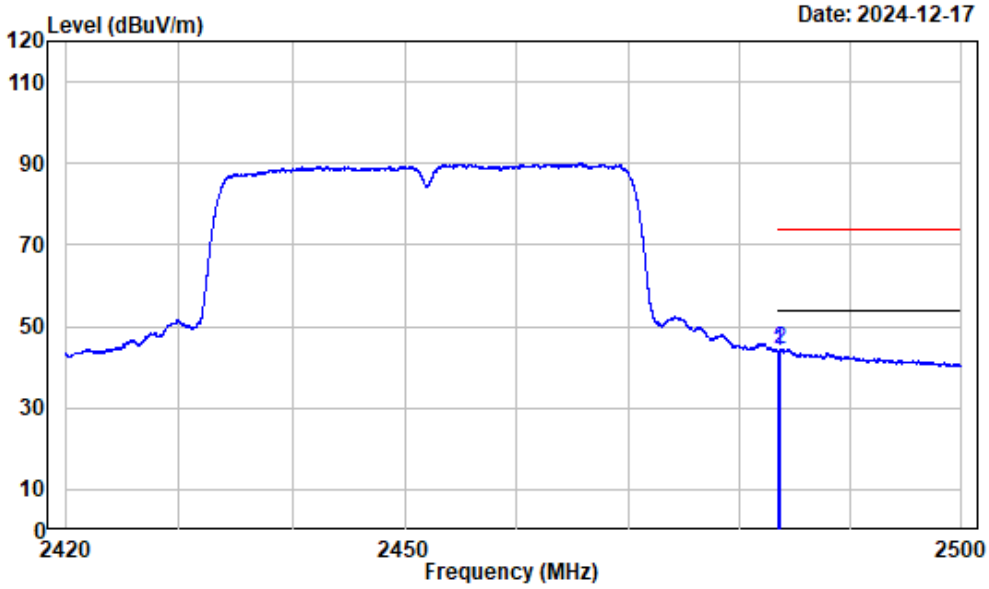
Right Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	76.81	65.84	74.00	-8.16	Peak
2	2484.268	-10.97	77.93	66.96	74.00	-7.04	Peak

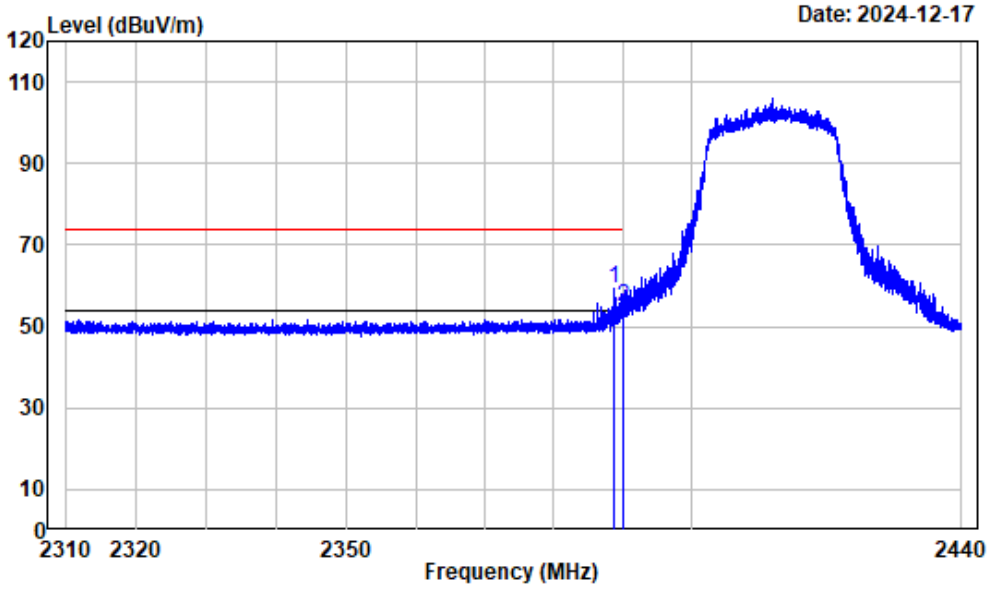
Right Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	54.90	43.93	54.00	-10.07	Average
2	2483.538	-10.97	55.27	44.30	54.00	-9.70	Average

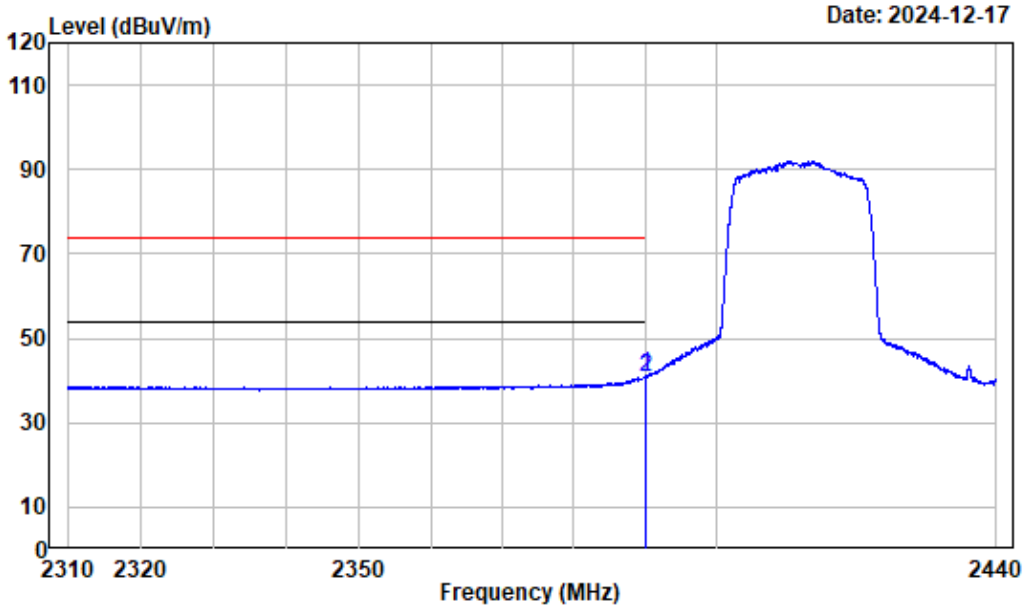
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2388.627	-10.98	70.28	59.30	74.00	-14.70	Peak
2	2390.000	-10.98	65.58	54.60	74.00	-19.40	Peak

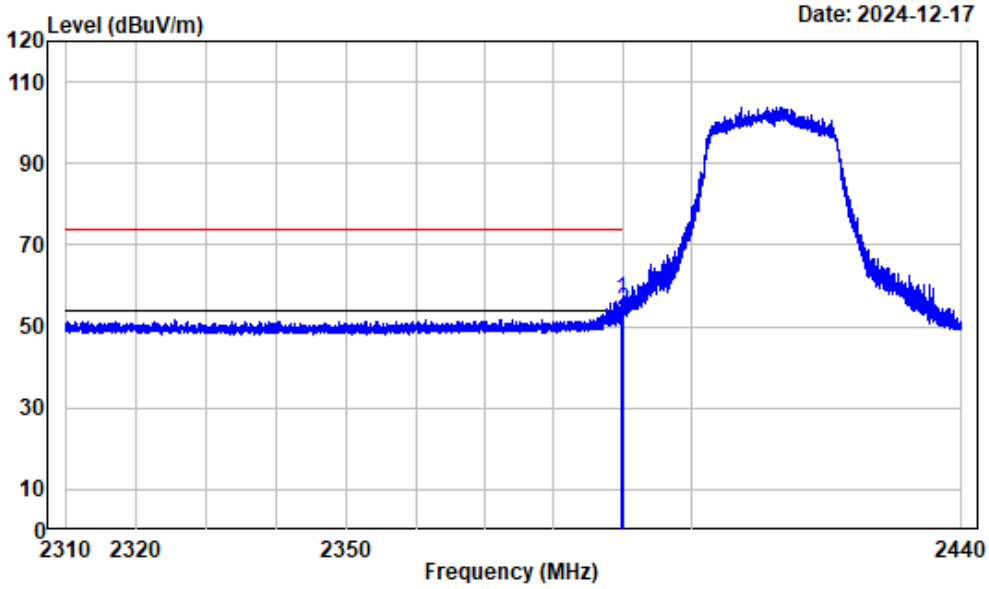
Left Band edge_Horizontal_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.992	-10.98	51.98	41.00	54.00	-13.00	Average
2	2390.000	-10.98	51.90	40.92	54.00	-13.08	Average

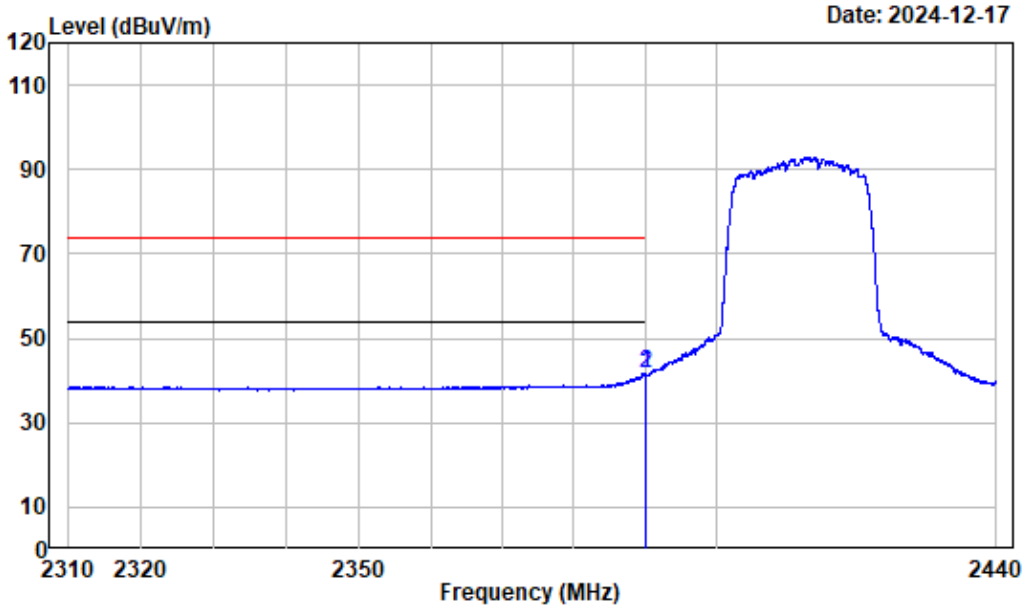
Left Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.944	-10.98	67.64	56.66	74.00	-17.34	Peak
2	2390.000	-10.98	64.99	54.01	74.00	-19.99	Peak

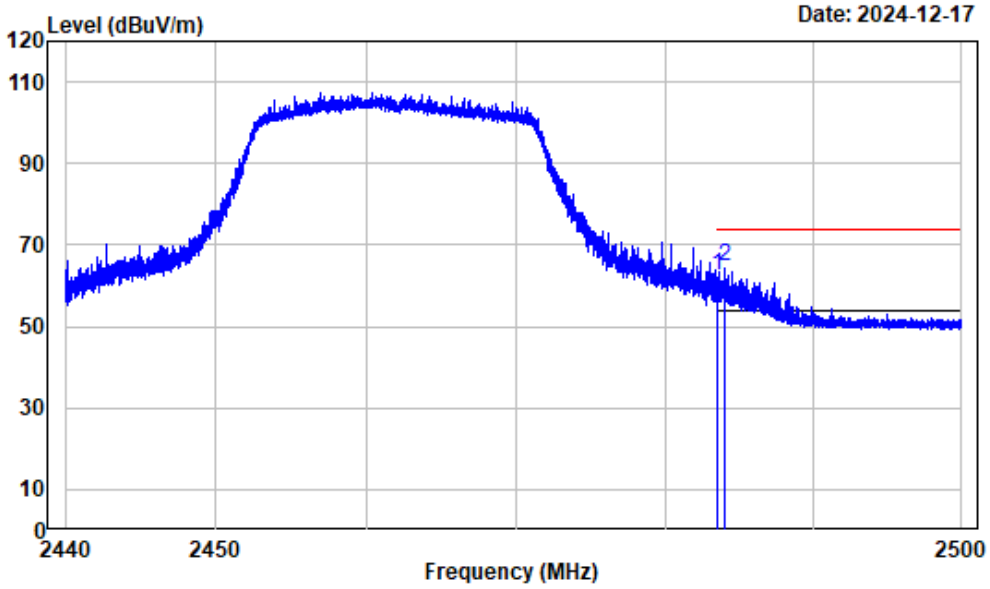
Left Band edge_Vertical_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2412

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.987	-10.98	52.75	41.77	54.00	-12.23	Average
2	2390.000	-10.98	52.67	41.69	54.00	-12.31	Average

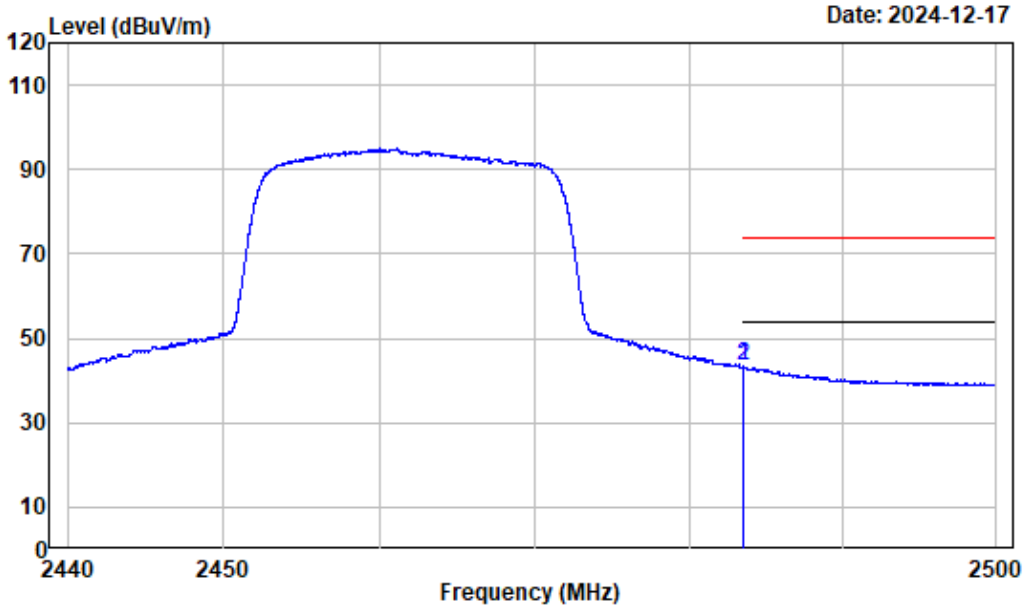
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	73.66	62.69	74.00	-11.31	Peak
2	2484.015	-10.97	75.55	64.58	74.00	-9.42	Peak

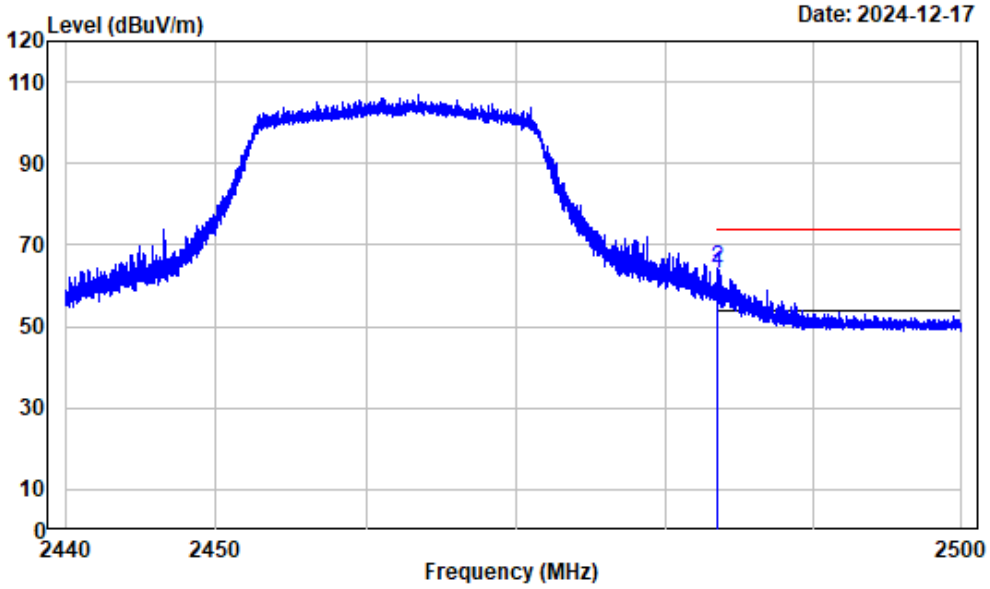
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	54.26	43.29	54.00	-10.71	Average
2	2483.527	-10.97	54.35	43.38	54.00	-10.62	Average

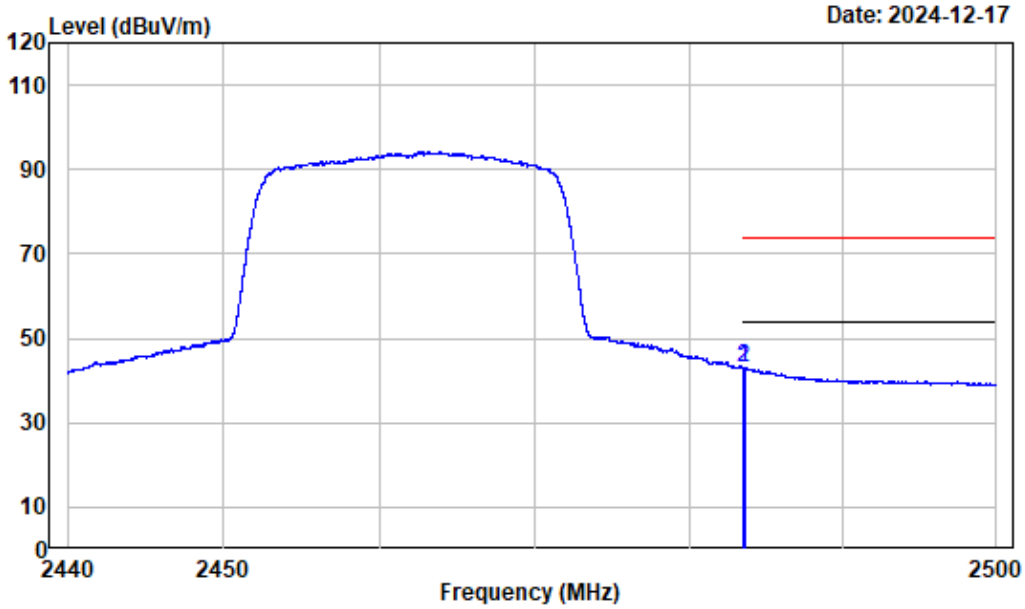
Right Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	73.85	62.88	74.00	-11.12	Peak
2	2483.551	-10.97	75.39	64.42	74.00	-9.58	Peak

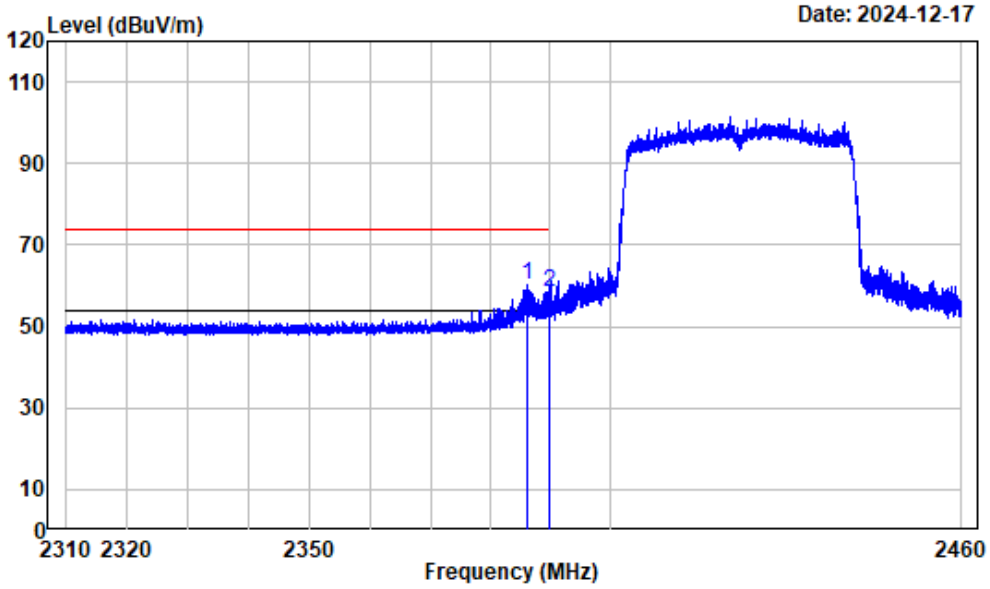
Right Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2462

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	53.81	42.84	54.00	-11.16	Average
2	2483.573	-10.97	54.01	43.04	54.00	-10.96	Average

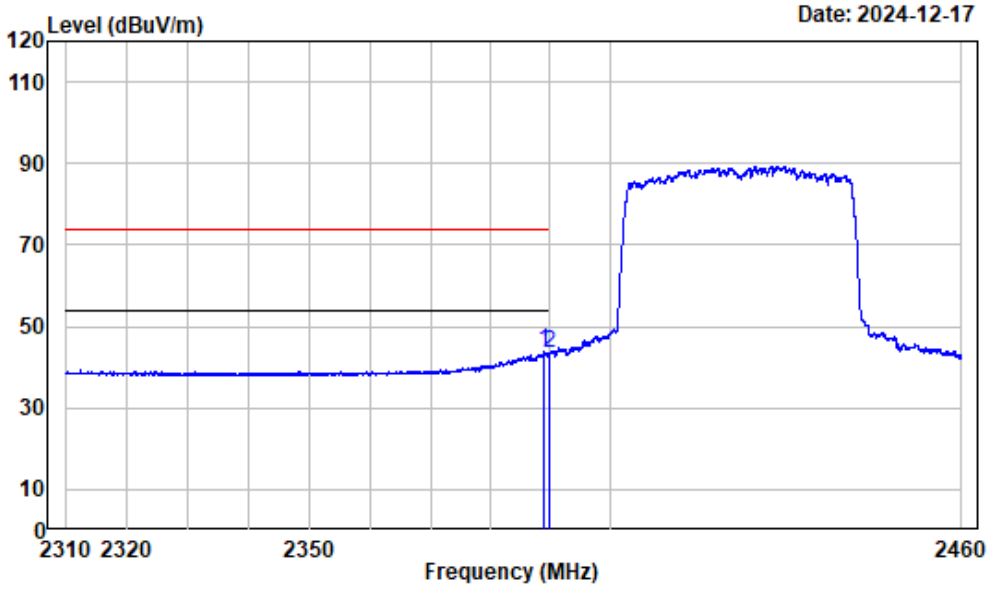
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2386.135	-10.97	71.28	60.31	74.00	-13.69	Peak
2	2390.000	-10.98	69.30	58.32	74.00	-15.68	Peak

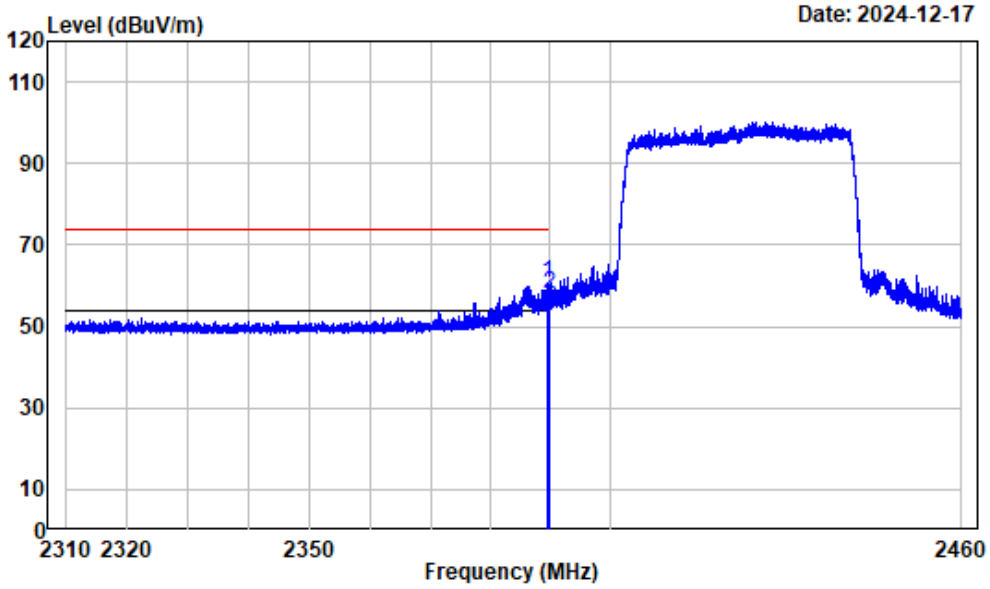
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.041	-10.98	54.70	43.72	54.00	-10.28	Average
2	2390.000	-10.98	54.31	43.33	54.00	-10.67	Average

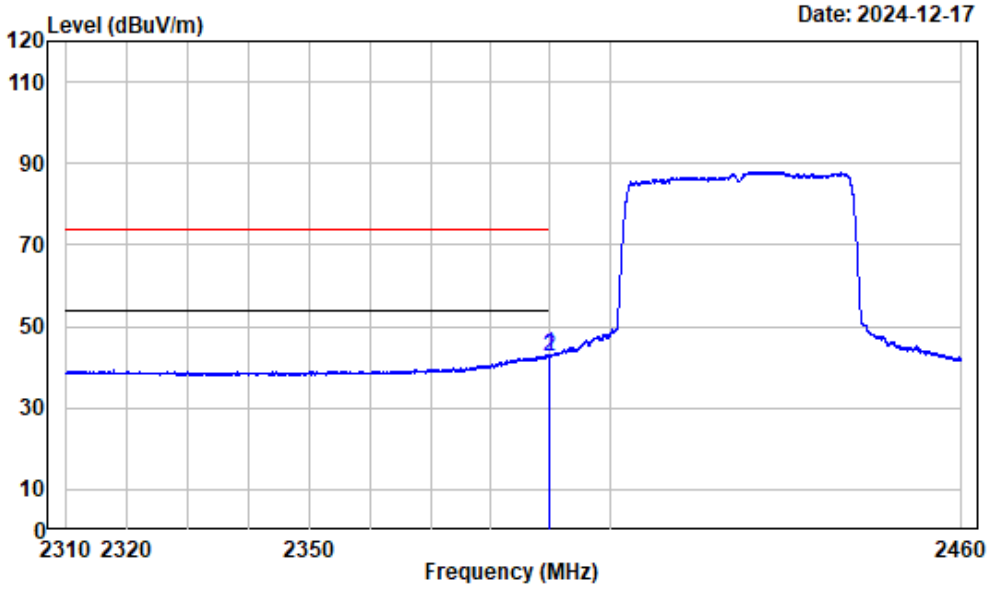
Left Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.641	-10.98	71.55	60.57	74.00	-13.43	Peak
2	2390.000	-10.98	68.73	57.75	74.00	-16.25	Peak

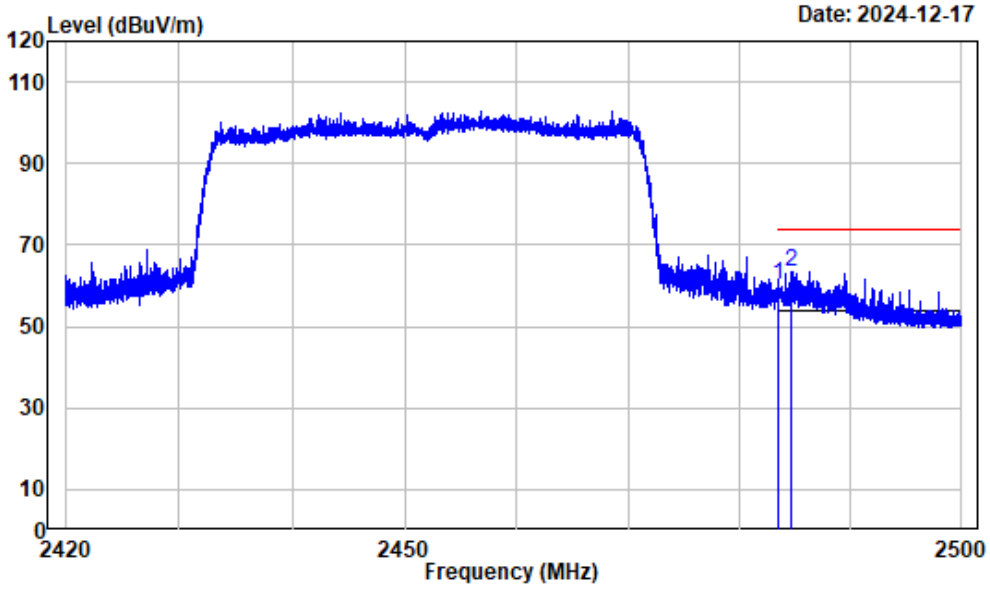
Left Band edge_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2422

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2389.829	-10.98	54.19	43.21	54.00	-10.79	Average
2	2390.000	-10.98	53.77	42.79	54.00	-11.21	Average

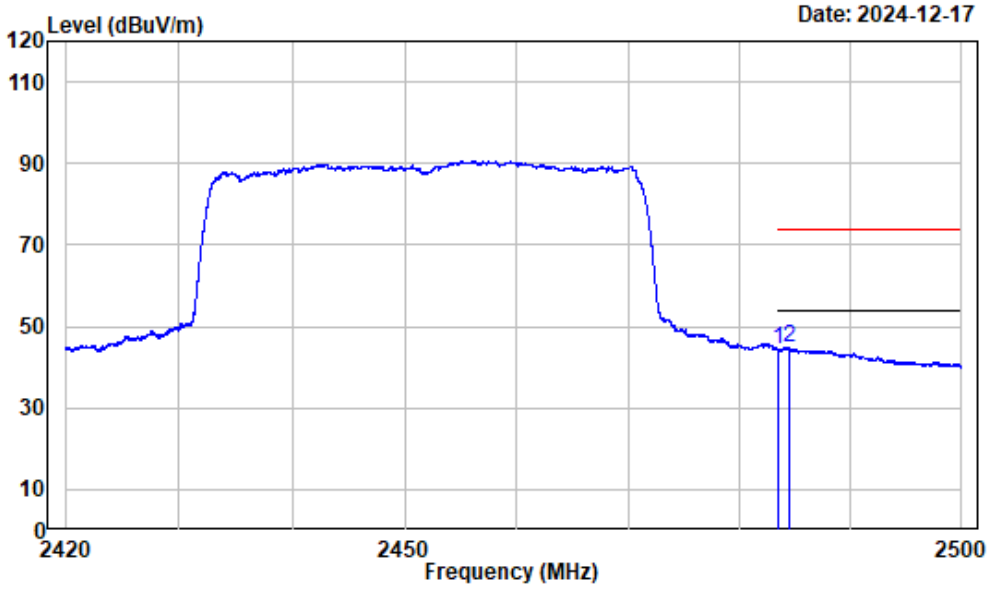
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	71.34	60.37	74.00	-13.63	Peak
2	2484.538	-10.97	74.48	63.51	74.00	-10.49	Peak

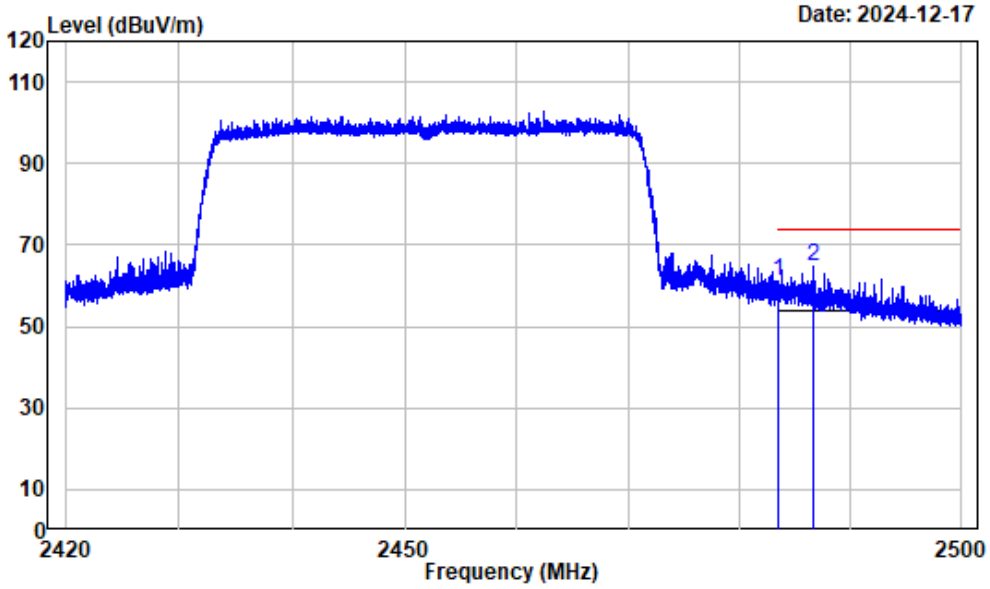
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	55.20	44.23	54.00	-9.77	Average
2	2484.428	-10.97	55.88	44.91	54.00	-9.09	Average

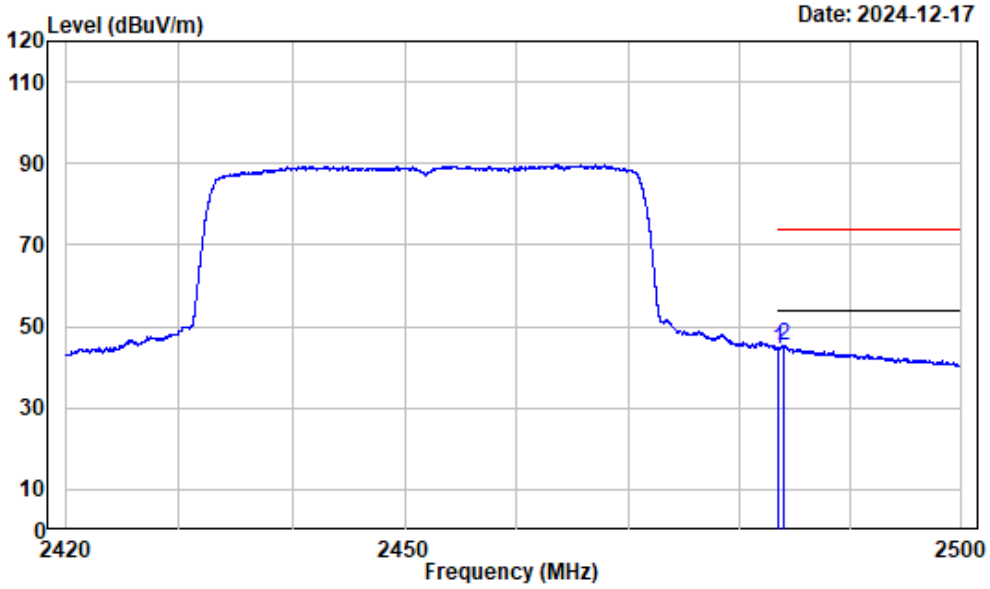
Right Band edge_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	71.95	60.98	74.00	-13.02	Peak
2	2486.528	-10.97	75.68	64.71	74.00	-9.29	Peak

Right Band edge_Vertical_Average

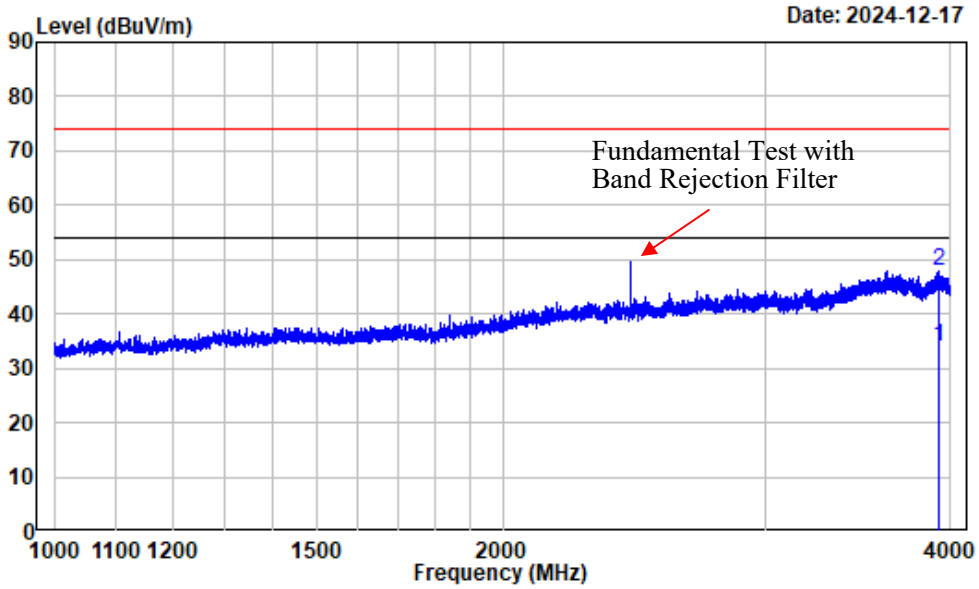


Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2452

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.500	-10.97	55.48	44.51	54.00	-9.49	Average
2	2483.958	-10.97	56.24	45.27	54.00	-8.73	Average

Listed with the worst harmonic margin test plot

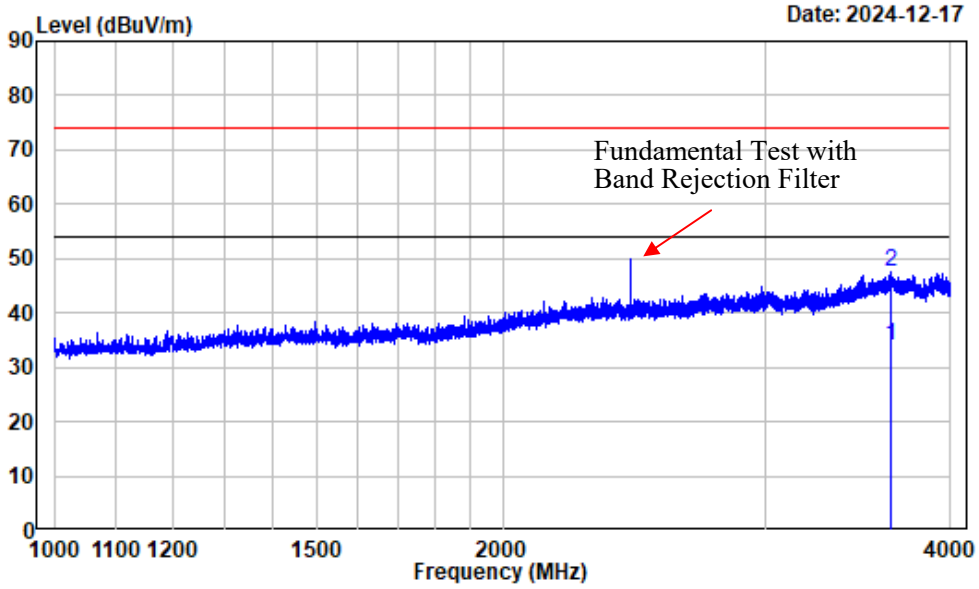
1-4GHz_Horizontal




```
Condition        : Horizontal
Project No.      : 2401Y100566E-RF
Tester           : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
                 : Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note             : 2.4GWiFi-b-2437
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3930.616	-9.53	43.54	34.01	54.00	-19.99	Average
2	3930.616	-9.53	57.41	47.88	74.00	-26.12	Peak

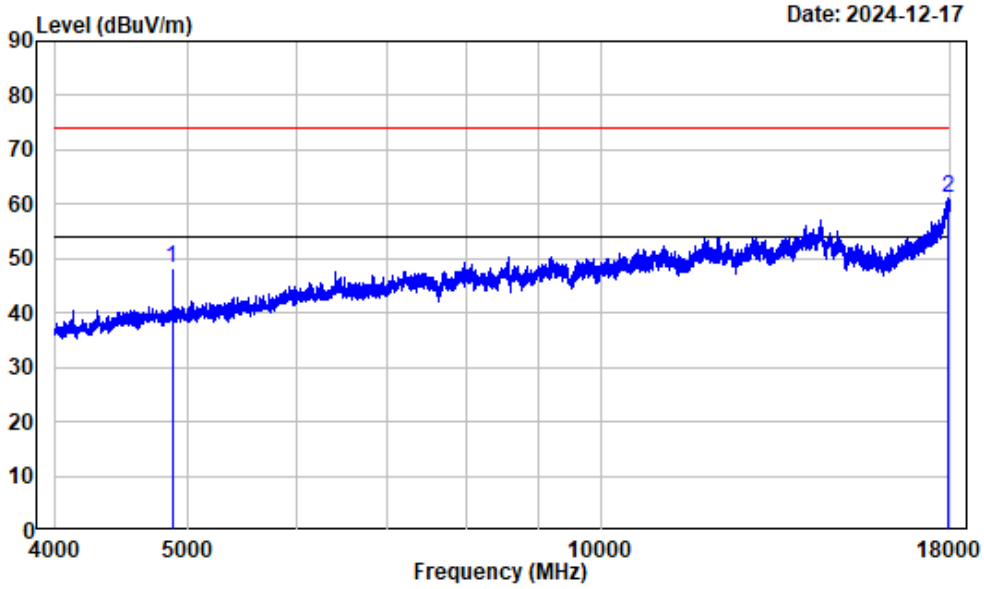
1-4GHz_Vertical



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3652.707	-9.76	43.89	34.13	54.00	-19.87	Average
2	3652.707	-9.76	57.21	47.45	74.00	-26.55	Peak

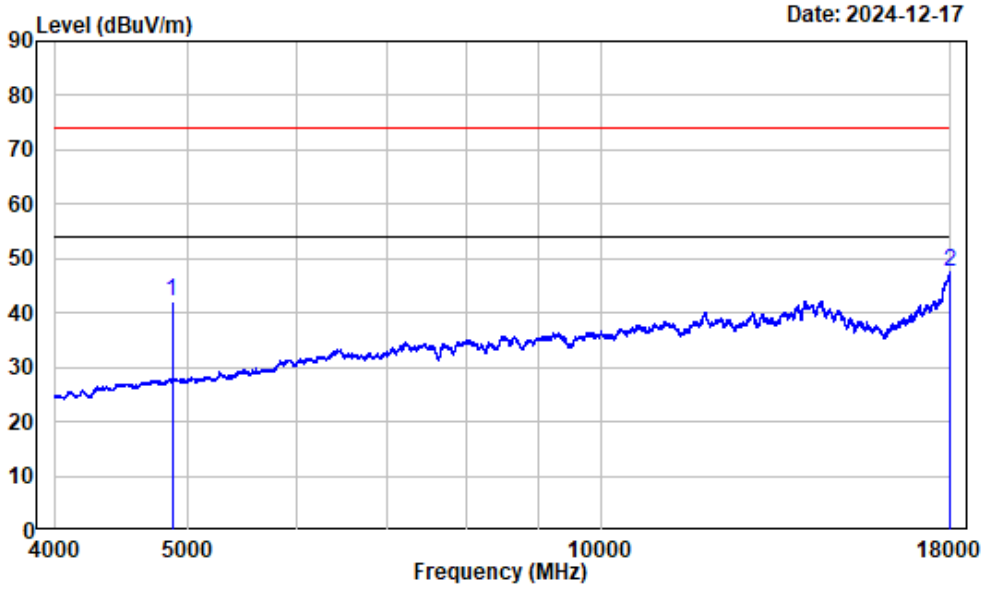
4-18GHz_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	55.87	48.26	74.00	-25.74	Peak
2	17931.740	12.86	48.34	61.20	74.00	-12.80	Peak

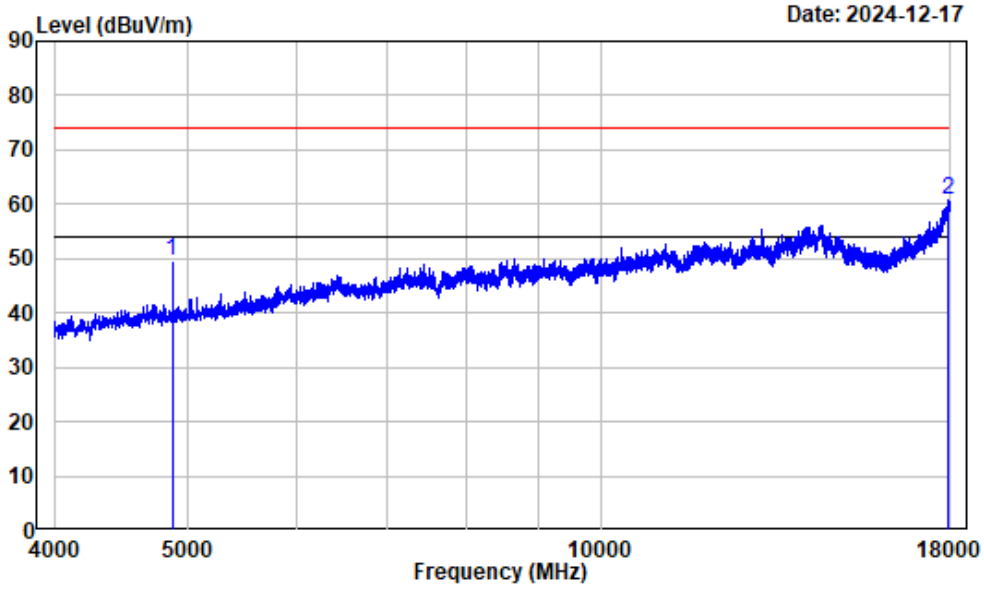
4-18GHz_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	49.72	42.11	54.00	-11.89	Average
2	17998.630	13.20	34.50	47.70	54.00	-6.30	Average

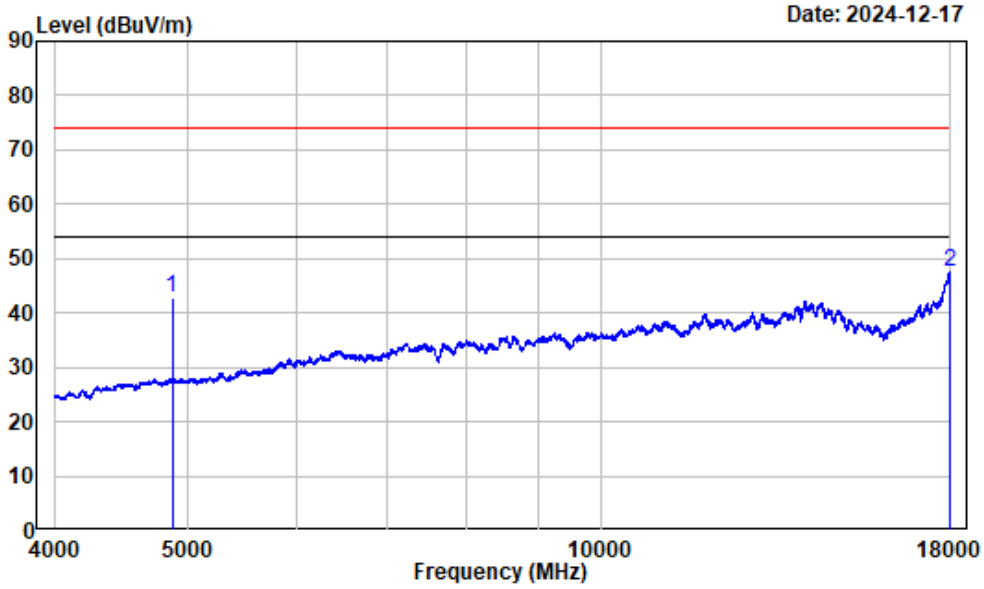
4-18GHz_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	57.06	49.45	74.00	-24.55	Peak
2	17954.490	12.97	47.97	60.94	74.00	-13.06	Peak

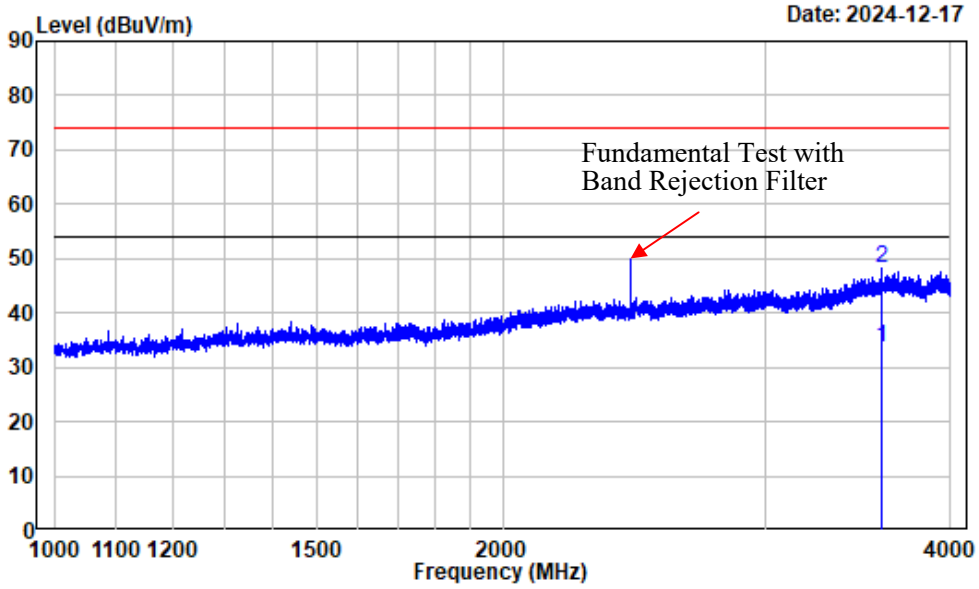
4-18GHz_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	50.25	42.64	54.00	-11.36	Average
2	17986.000	13.13	34.52	47.65	54.00	-6.35	Average

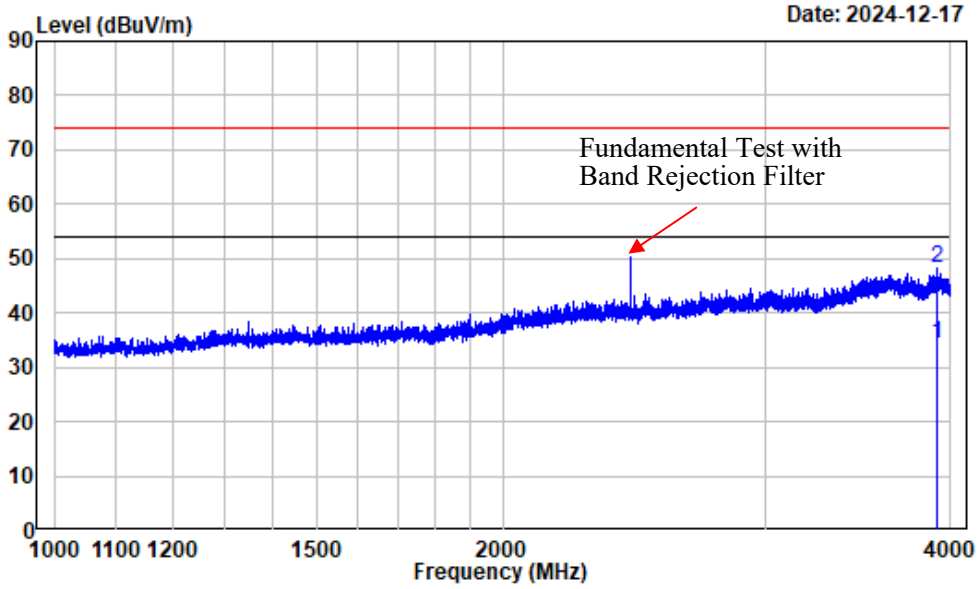
1-4GHz_Horizontal



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3600.200	-10.17	43.72	33.55	54.00	-20.45	Average
2	3600.200	-10.17	58.24	48.07	74.00	-25.93	Peak

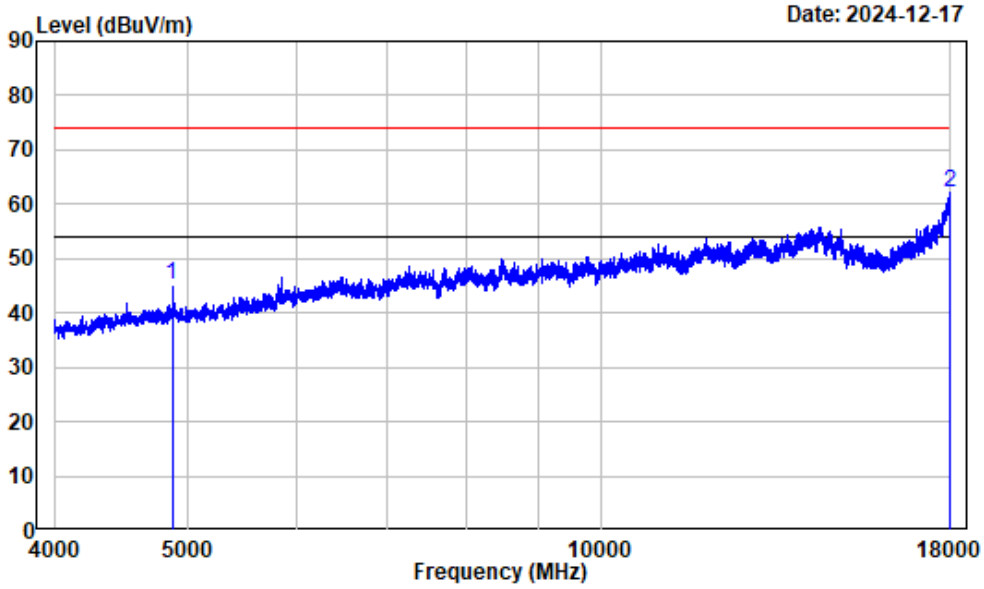
1-4GHz_Vertical



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3914.114	-9.70	43.97	34.27	54.00	-19.73	Average
2	3914.114	-9.70	58.00	48.30	74.00	-25.70	Peak

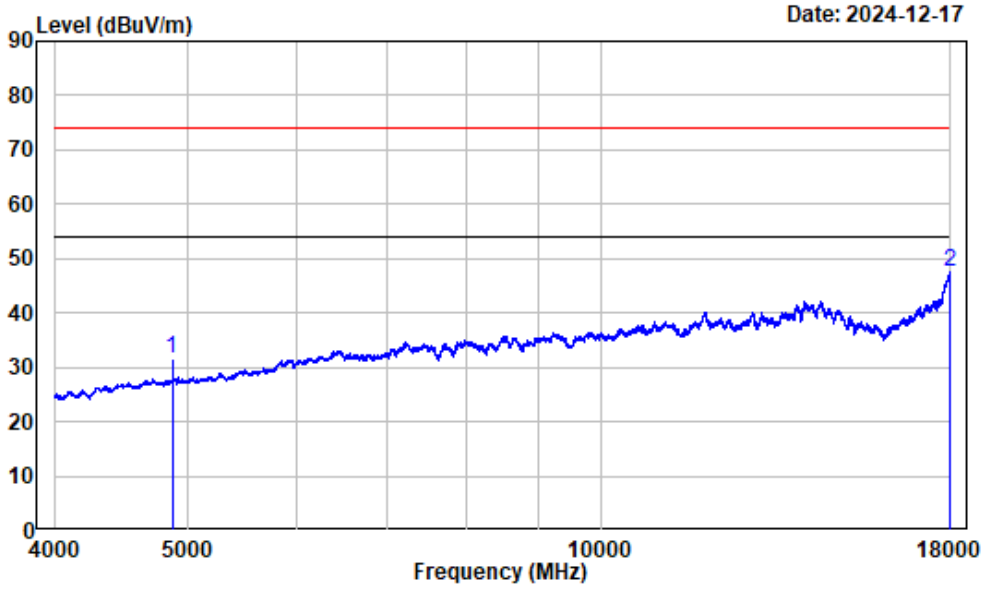
4-18GHz_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	52.74	45.13	74.00	-28.87	Peak
2	17984.250	13.12	48.91	62.03	74.00	-11.97	Peak

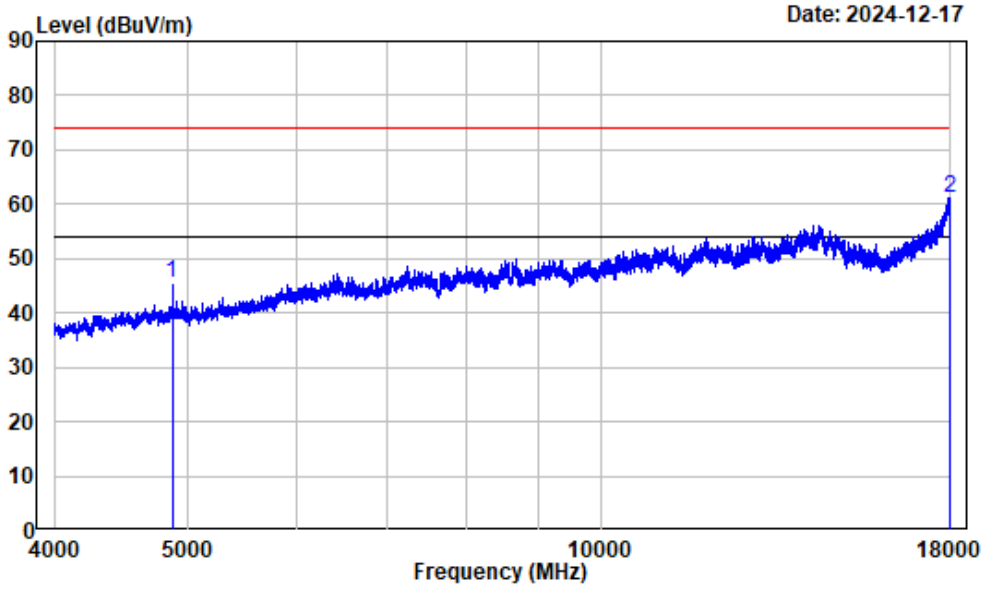
4-18GHz_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.15	31.54	54.00	-22.46	Average
2	17982.500	13.11	34.55	47.66	54.00	-6.34	Average

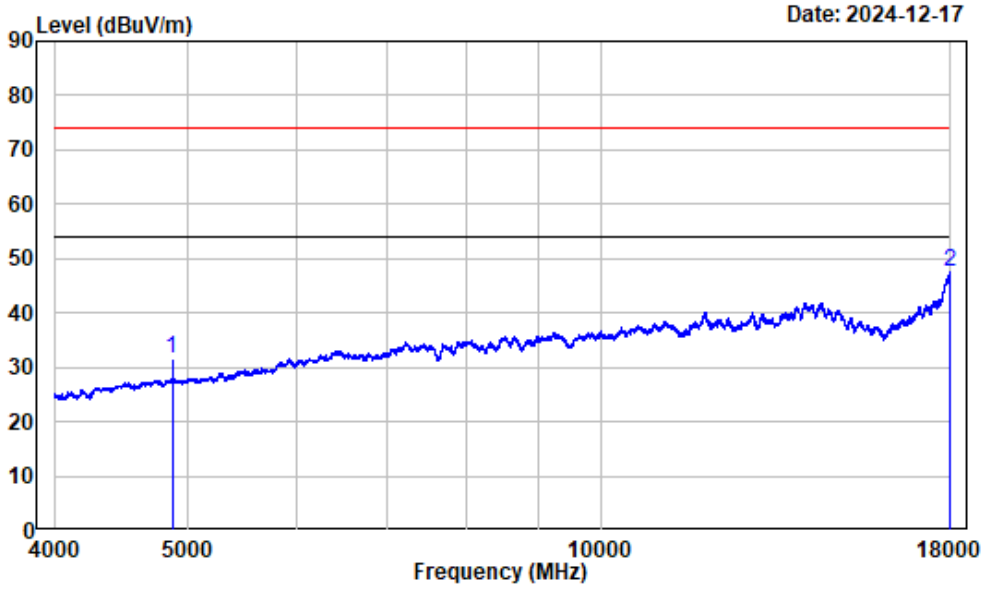
4-18GHz_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-g-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	53.28	45.67	74.00	-28.33	Peak
2	17972.000	13.06	48.00	61.06	74.00	-12.94	Peak

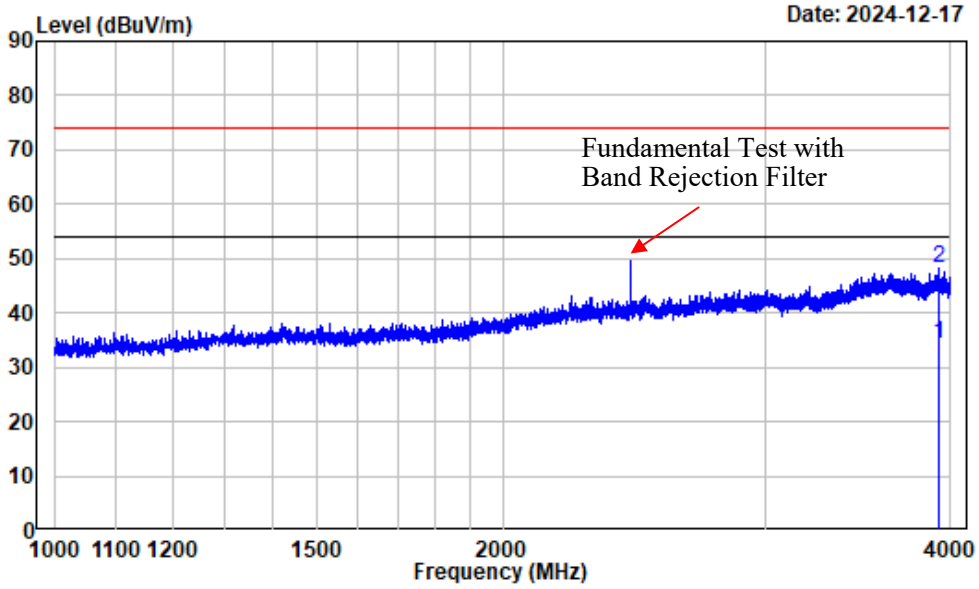
4-18GHz_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-g-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.36	31.75	54.00	-22.25	Average
2	17993.000	13.17	34.39	47.56	54.00	-6.44	Average

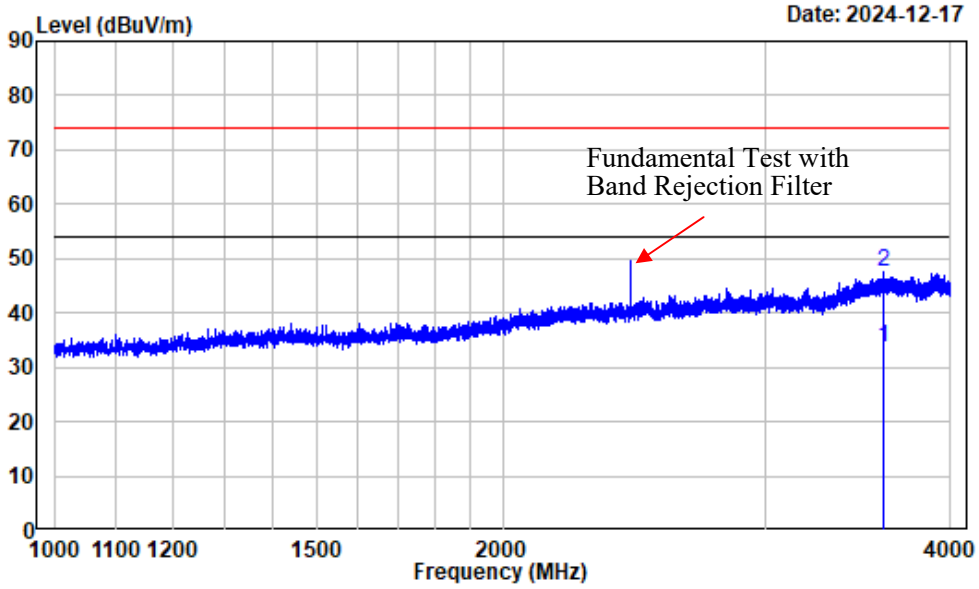
1-4GHz_Horizontal



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3933.992	-9.50	43.70	34.20	54.00	-19.80	Average
2	3933.992	-9.50	57.80	48.30	74.00	-25.70	Peak

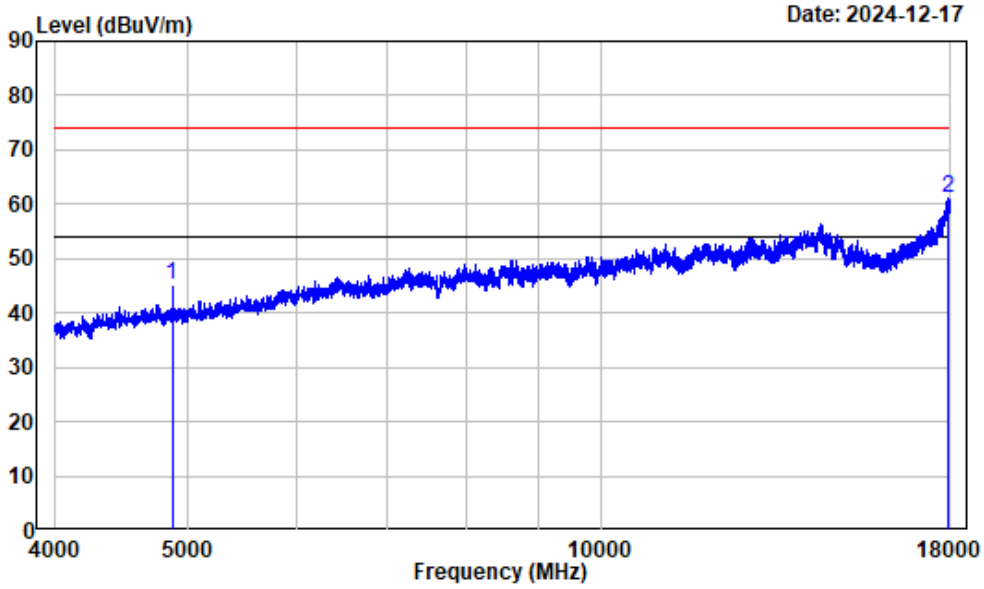
1-4GHz_Vertical



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3603.200	-10.15	43.88	33.73	54.00	-20.27	Average
2	3603.200	-10.15	57.55	47.40	74.00	-26.60	Peak

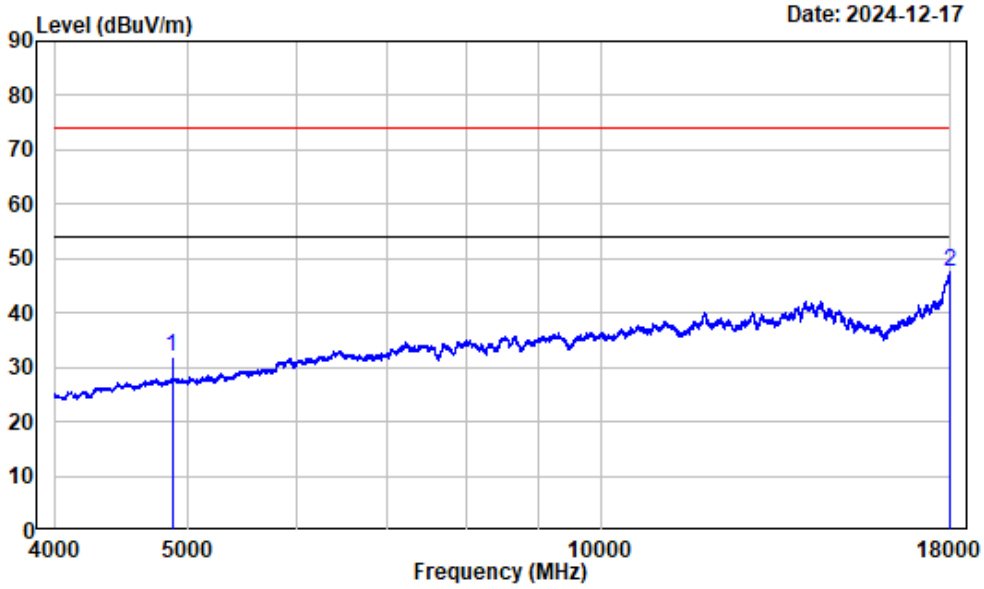
4-18GHz_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	52.82	45.21	74.00	-28.79	Peak
2	17940.490	12.90	48.16	61.06	74.00	-12.94	Peak

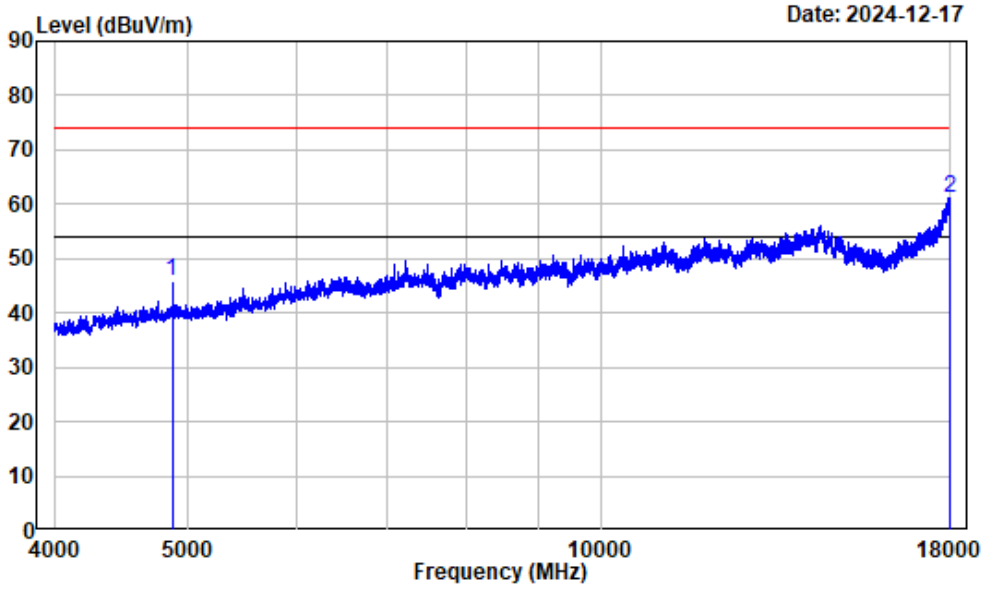
4-18GHz_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.37	31.76	54.00	-22.24	Average
2	17995.880	13.20	34.43	47.63	54.00	-6.37	Average

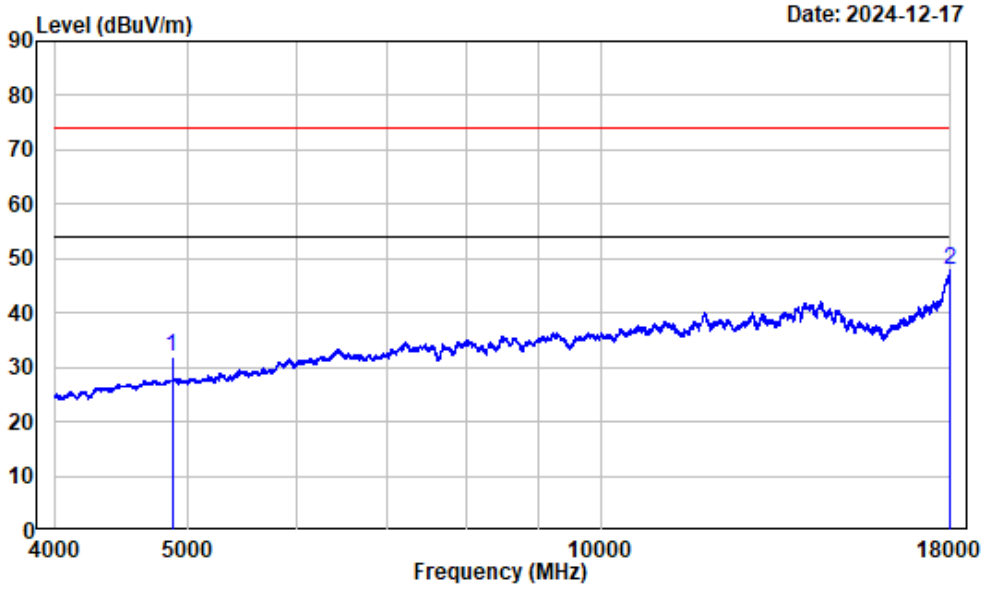
4-18GHz_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	53.40	45.79	74.00	-28.21	Peak
2	17989.500	13.16	48.06	61.22	74.00	-12.78	Peak

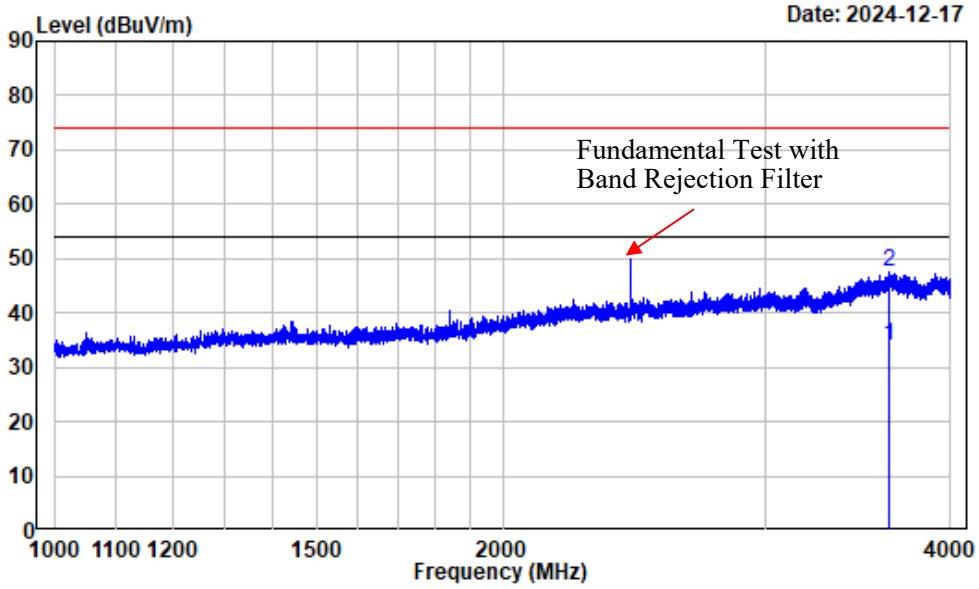
4-18GHz_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-n20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.59	31.98	54.00	-22.02	Average
2	17998.250	13.19	34.58	47.77	54.00	-6.23	Average

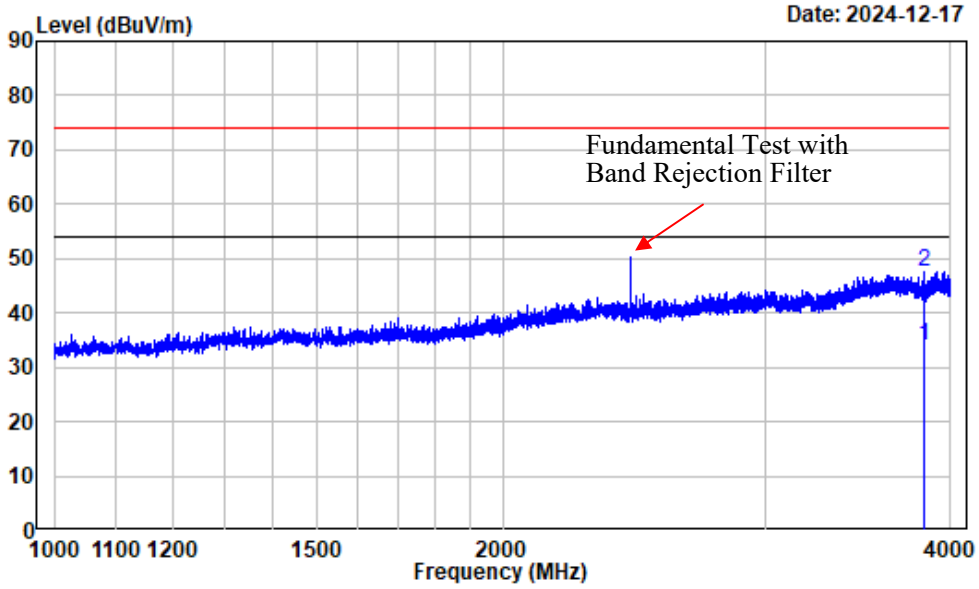
1-4GHz_Horizontal



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3638.455	-9.87	43.78	33.91	54.00	-20.09	Average
2	3638.455	-9.87	57.57	47.70	74.00	-26.30	Peak

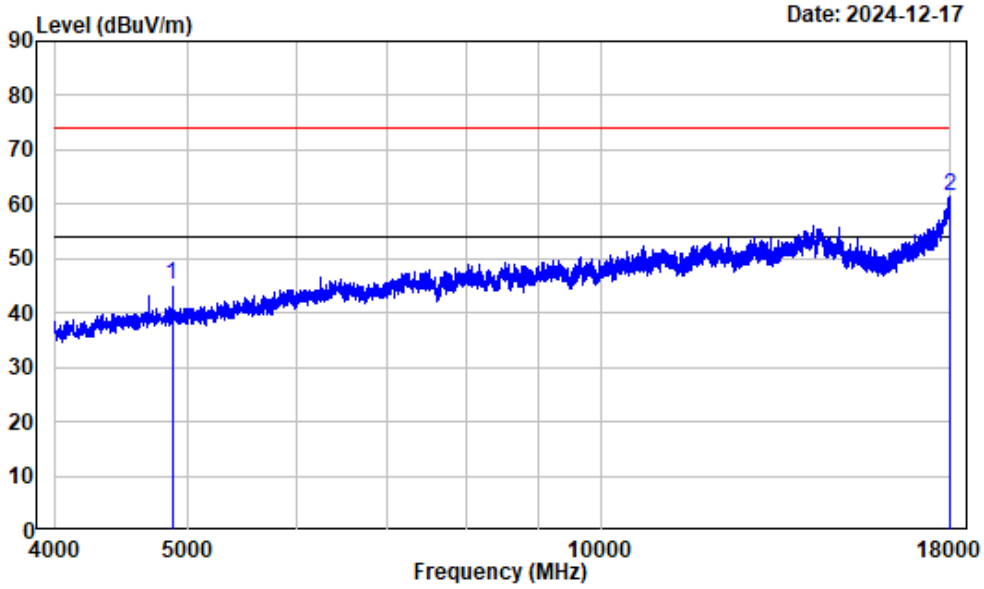
1-4GHz_Vertical



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3838.730	-9.94	43.92	33.98	54.00	-20.02	Average
2	3838.730	-9.94	57.37	47.43	74.00	-26.57	Peak

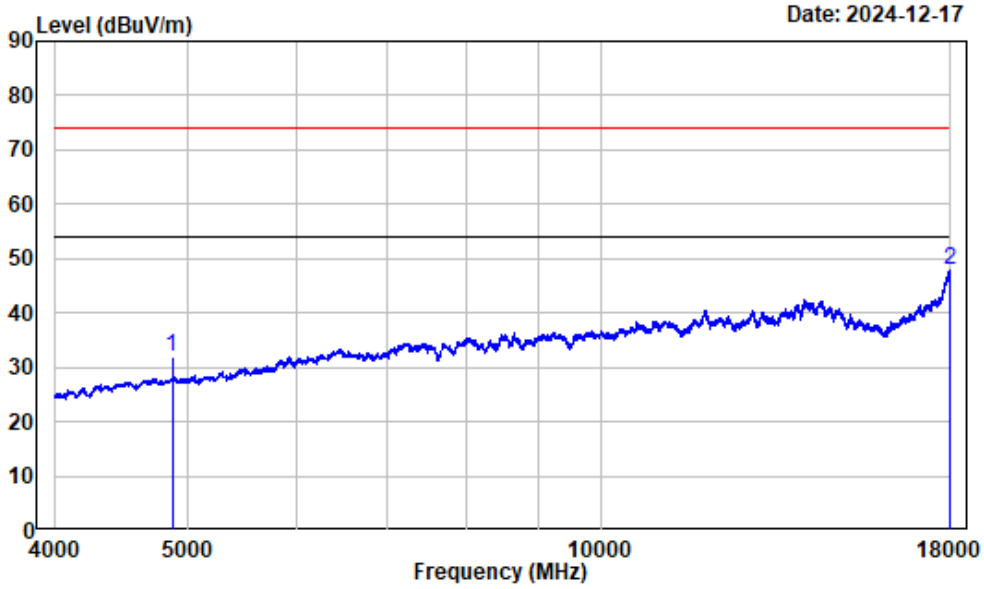
4-18GHz_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	52.89	45.28	74.00	-28.72	Peak
2	17989.500	13.16	48.26	61.42	74.00	-12.58	Peak

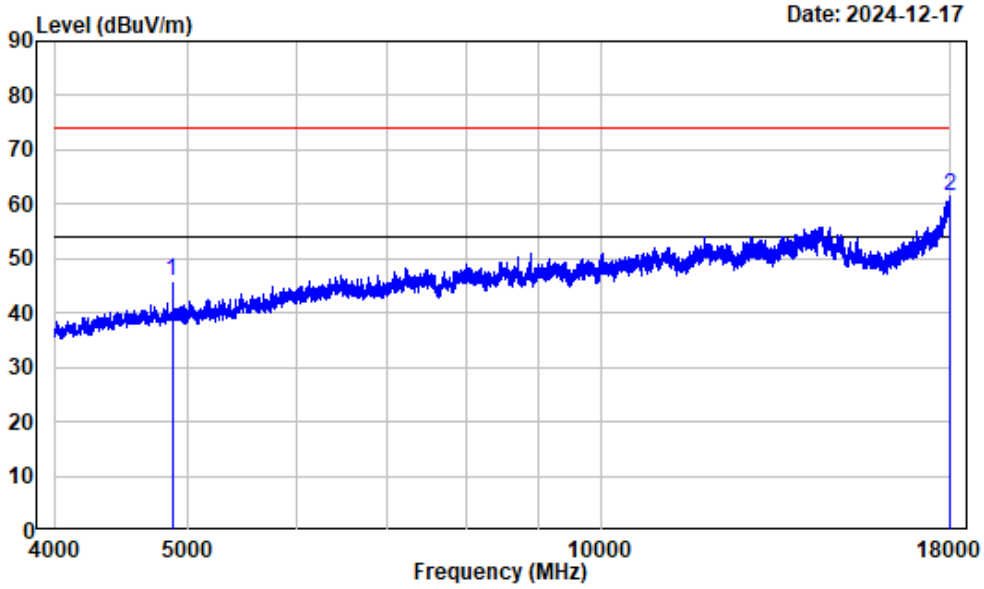
4-18GHz_Vertical_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.56	31.95	54.00	-22.05	Average
2	17996.650	13.20	34.58	47.78	54.00	-6.22	Average

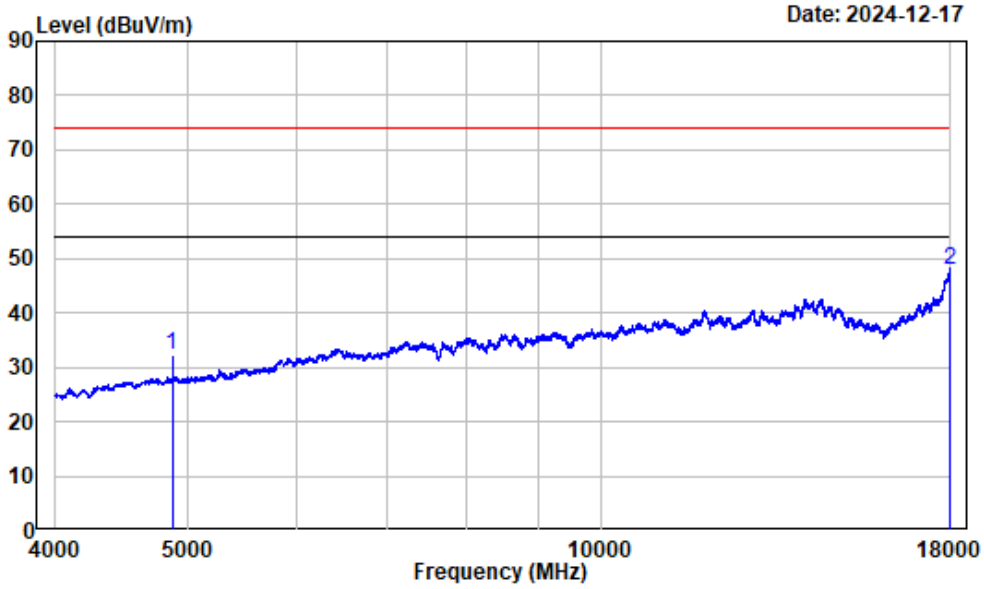
4-18GHz_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-n40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	53.31	45.70	74.00	-28.30	Peak
2	17996.500	13.19	48.35	61.54	74.00	-12.46	Peak

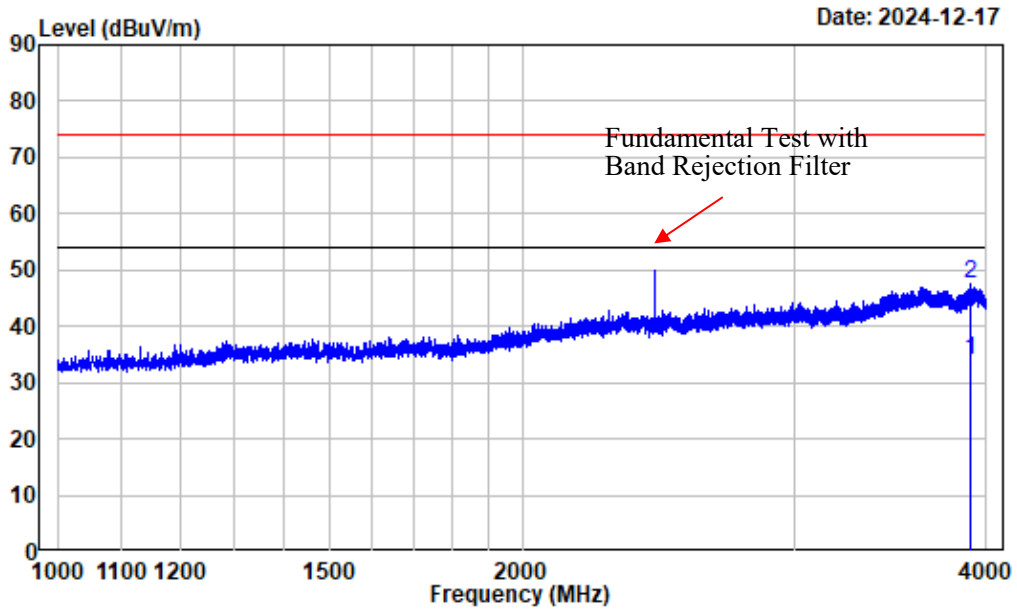
4-18GHz_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-n40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.83	32.22	54.00	-21.78	Average
2	17984.250	13.12	34.72	47.84	54.00	-6.16	Average

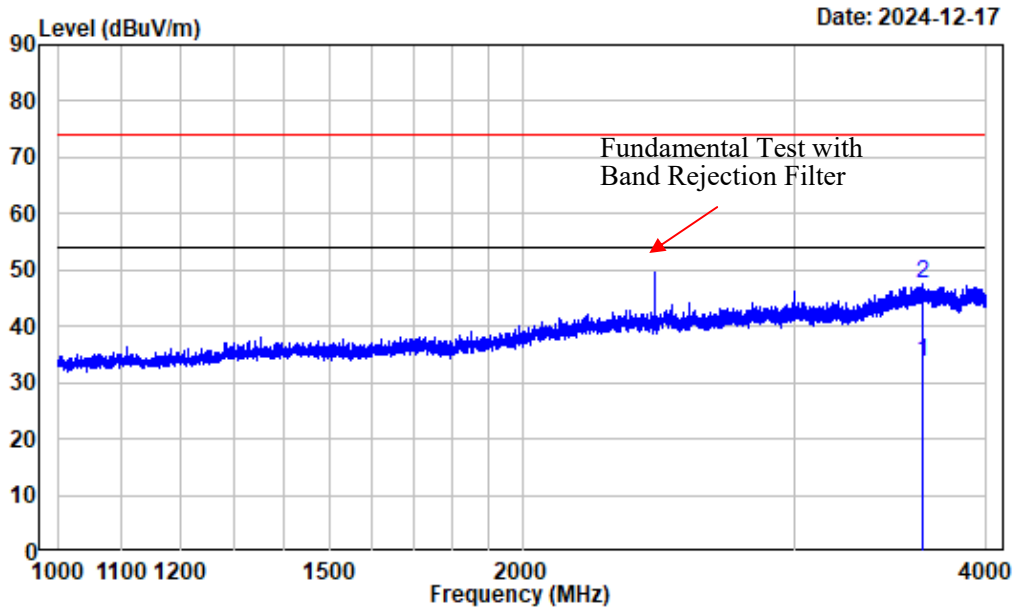
1-4GHz_Horizontal



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3910.364	-9.73	43.67	33.94	54.00	-20.06	Average
2	3910.364	-9.73	57.26	47.53	74.00	-26.47	Peak

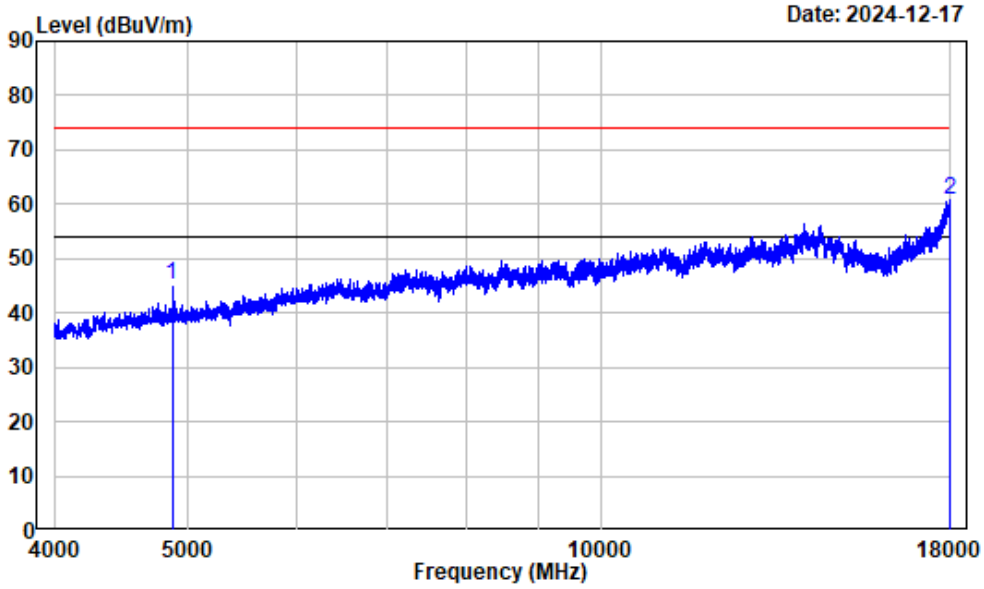
1-4GHz_Vertical



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3634.329	-9.90	43.50	33.60	54.00	-20.40	Average
2	3634.329	-9.90	57.28	47.38	74.00	-26.62	Peak

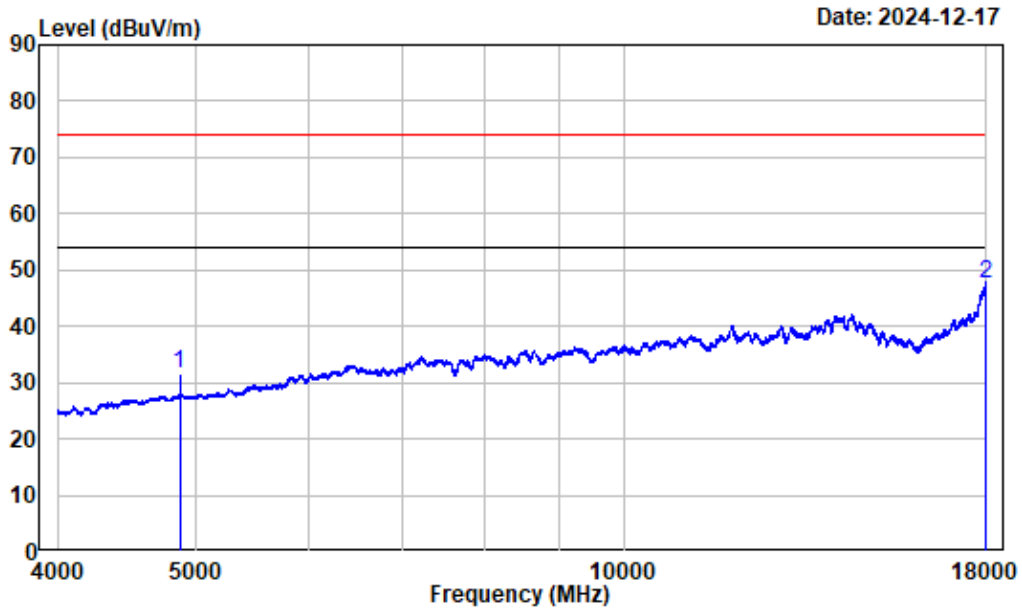
4-18GHz_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	52.84	45.23	74.00	-28.77	Peak
2	17996.500	13.19	47.45	60.64	74.00	-13.36	Peak

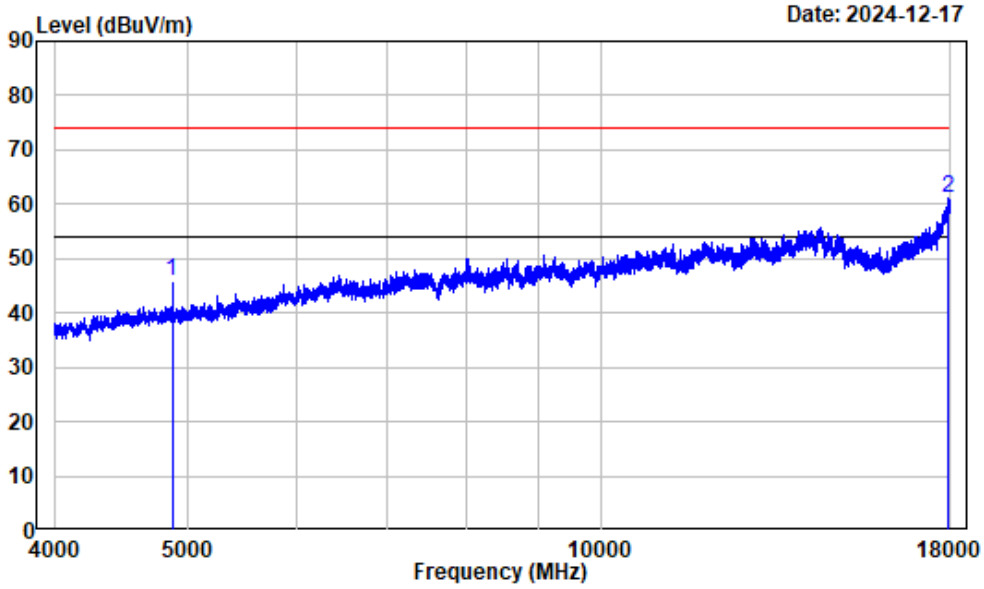
4-18GHz_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.18	31.57	54.00	-22.43	Average
2	17996.500	13.19	34.42	47.61	54.00	-6.39	Average

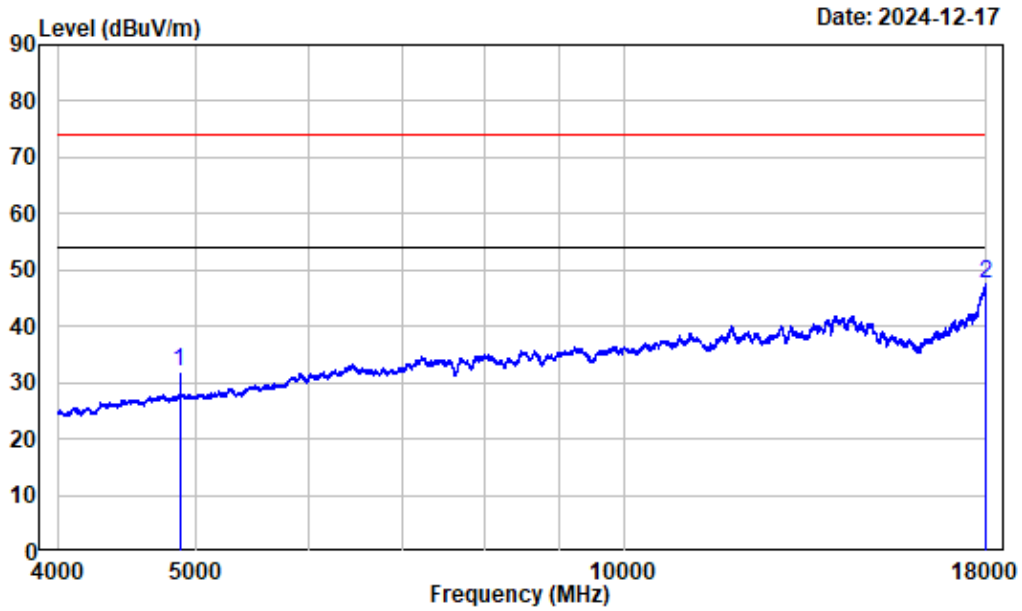
4-18GHz_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	53.31	45.70	74.00	-28.30	Peak
2	17912.490	12.77	48.34	61.11	74.00	-12.89	Peak

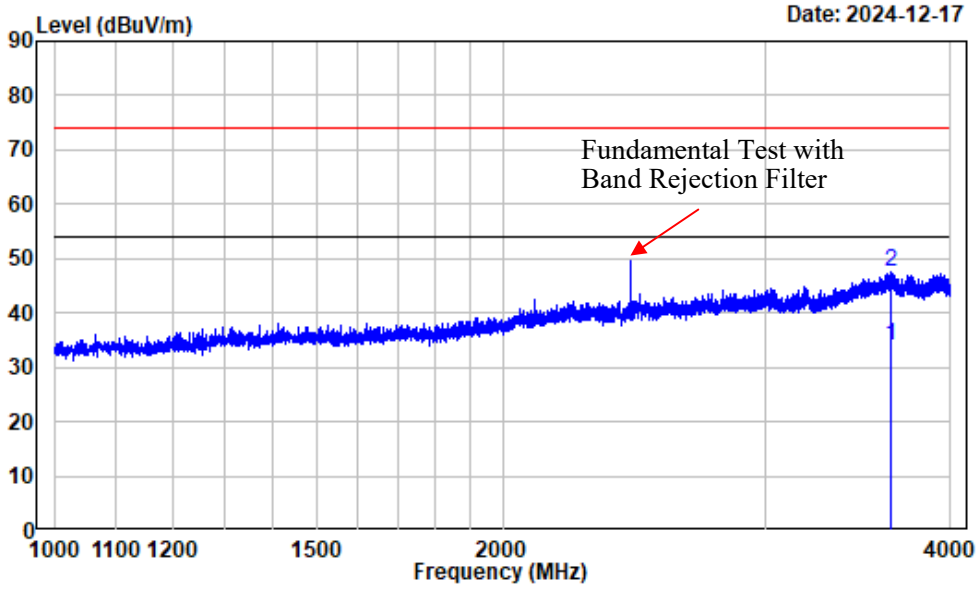
4-18GHz_Vertical_Average



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax20-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.45	31.84	54.00	-22.16	Average
2	17994.750	13.17	34.39	47.56	54.00	-6.44	Average

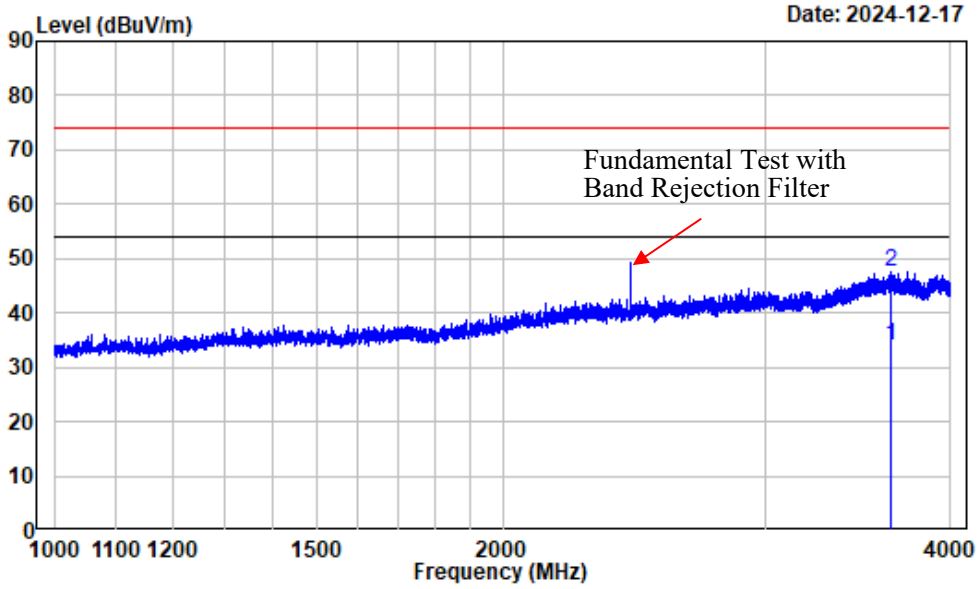
1-4GHz_Horizontal



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3643.330	-9.83	43.77	33.94	54.00	-20.06	Average
2	3643.330	-9.83	57.44	47.61	74.00	-26.39	Peak

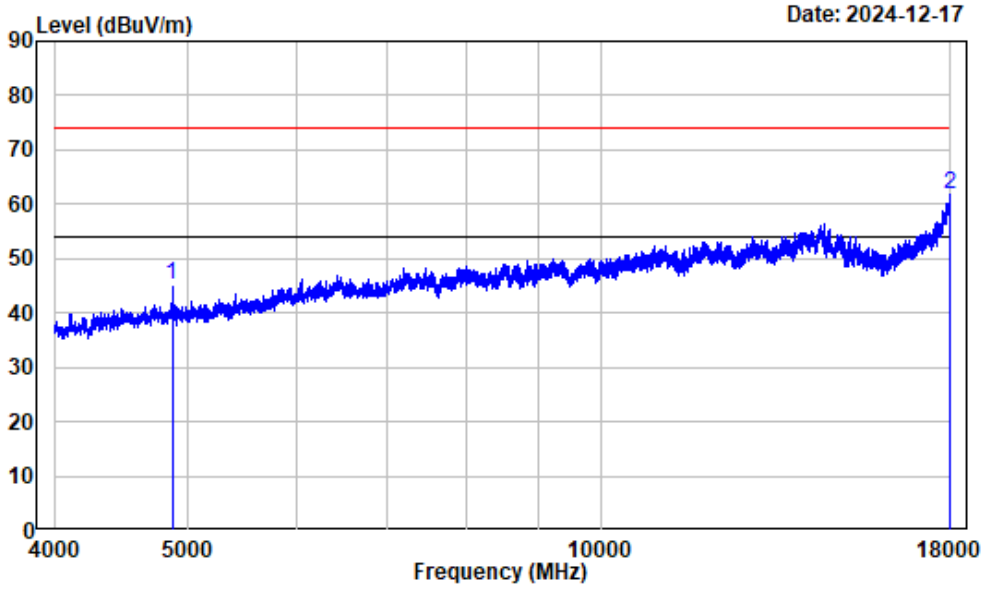
1-4GHz_Vertical



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3644.831	-9.81	43.89	34.08	54.00	-19.92	Average
2	3644.831	-9.81	57.23	47.42	74.00	-26.58	Peak

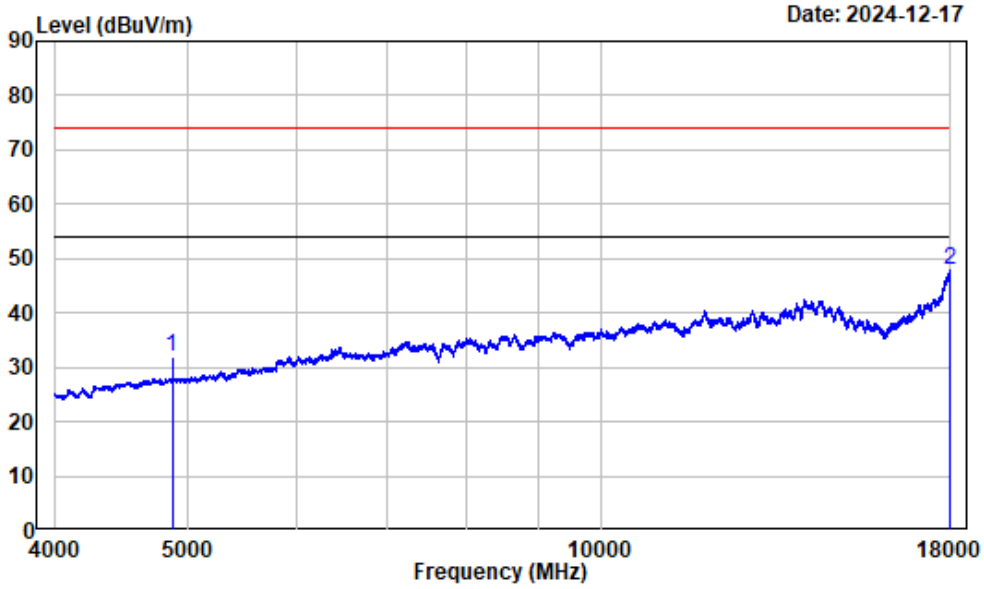
4-18GHz_Horizontal_Peak



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	52.63	45.02	74.00	-28.98	Peak
2	17998.250	13.19	48.53	61.72	74.00	-12.28	Peak

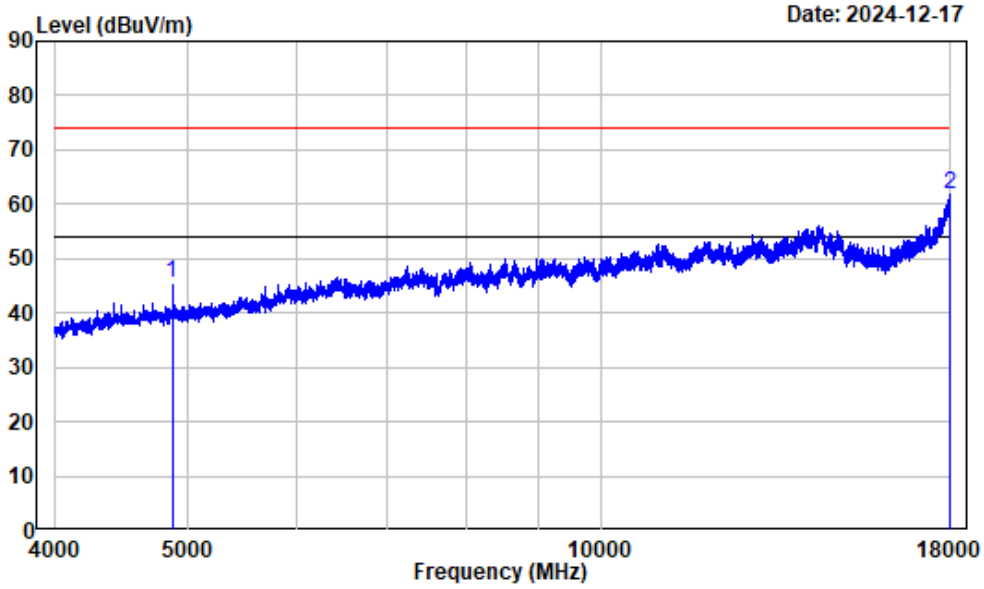
4-18GHz_Horizontal_Average



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.48	31.87	54.00	-22.13	Average
2	17991.250	13.16	34.57	47.73	54.00	-6.27	Average

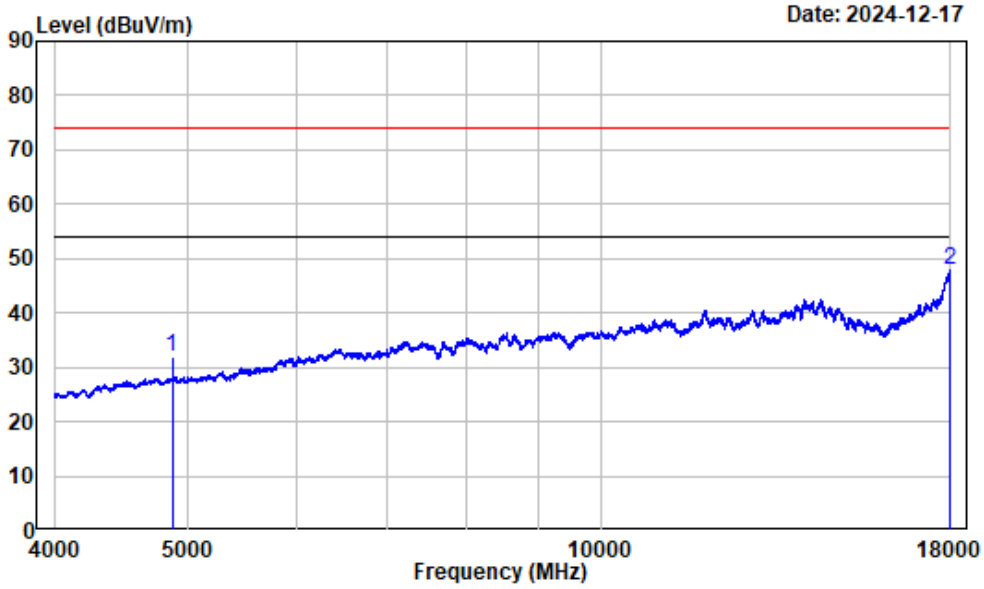
4-18GHz_Vertical_Peak



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : 2.4GWiFi-ax40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	53.17	45.56	74.00	-28.44	Peak
2	17991.250	13.16	48.68	61.84	74.00	-12.16	Peak

4-18GHz_Vertical_Average

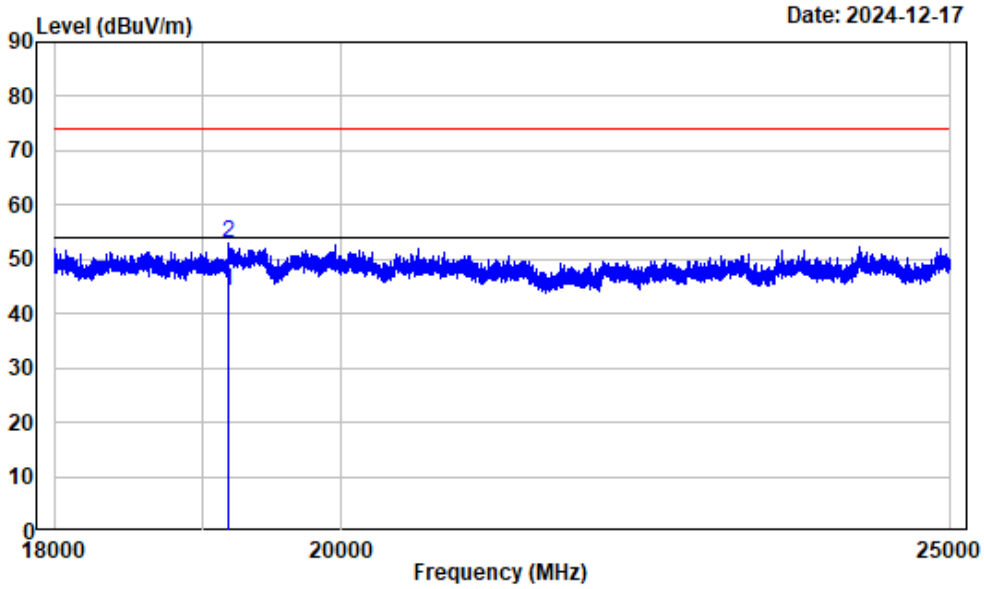


Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Average reading:RBW:1MHz VBW:2kHz Detector:Peak
Note : 2.4GWiFi-ax40-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	-7.61	39.65	32.04	54.00	-21.96	Average
2	17991.250	13.16	34.69	47.85	54.00	-6.15	Average

18-25GHz *(Only with worst case margin mode plot)*:

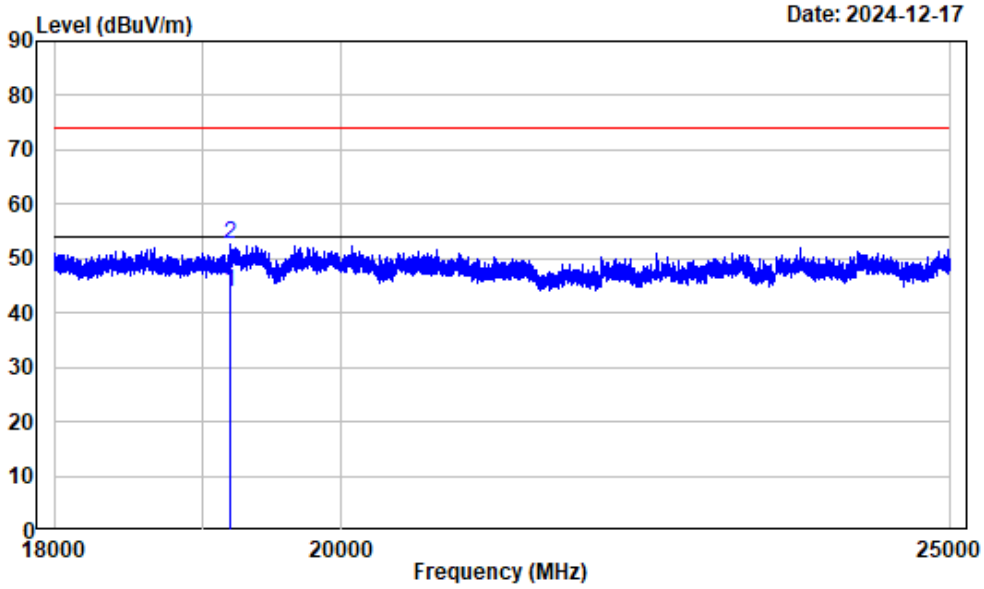
18-25GHz_Horizontal



Condition : Horizontal
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	19191.020	15.32	28.80	44.12	54.00	-9.88	Average
2	19191.020	15.32	37.77	53.09	74.00	-20.91	Peak

18-25GHz_Vertical



Condition : Vertical
Project No. : 2401Y100566E-RF
Tester : Zenos Qiao
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
: Average reading:RBW:1MHz VBW:1kHz Detector:Peak
Note : 2.4GWiFi-b-2437

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	19201.530	15.32	28.55	43.87	54.00	-10.13	Average
2	19201.530	15.32	37.18	52.50	74.00	-21.50	Peak

6dB Emission Bandwidth

Test Information:

Sample No.:	2T9W-2	**Test Date:**	2024/11/02
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Rainbow Zhu	**Test Result:**	Pass

Environmental Conditions:

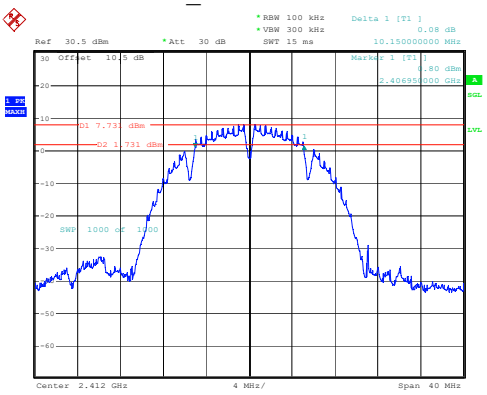
Temperature: (°C):	24~26	**Relative Humidity: (%)**	45~54	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11b	2412	10.150	≥0.5	Pass
	2437	10.150	≥0.5	Pass
	2462	10.150	≥0.5	Pass
802.11g	2412	16.450	≥0.5	Pass
	2437	16.500	≥0.5	Pass
	2462	16.450	≥0.5	Pass
802.11n20	2412	17.700	≥0.5	Pass
	2437	17.700	≥0.5	Pass
	2462	17.700	≥0.5	Pass
802.11n40	2422	36.600	≥0.5	Pass
	2437	36.600	≥0.5	Pass
	2452	36.500	≥0.5	Pass
802.11ax20_RU_Full	2412	19.150	≥0.5	Pass
	2437	19.100	≥0.5	Pass
	2462	19.100	≥0.5	Pass
802.11ax40_RU_Full	2422	38.100	≥0.5	Pass
	2437	38.100	≥0.5	Pass
	2452	38.200	≥0.5	Pass

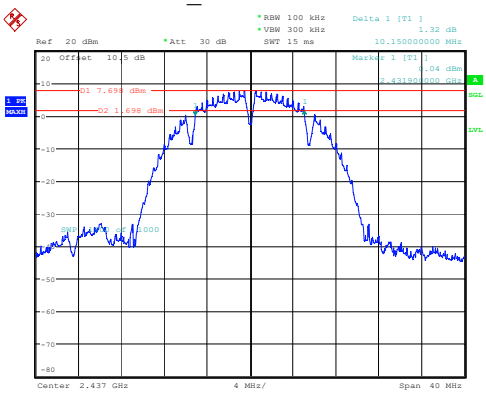
2.4G

802.11b_2412MHz 10.150MHz



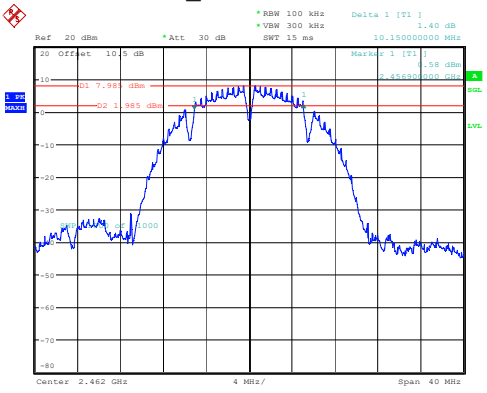
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:30:06

802.11b_2437MHz 10.150MHz



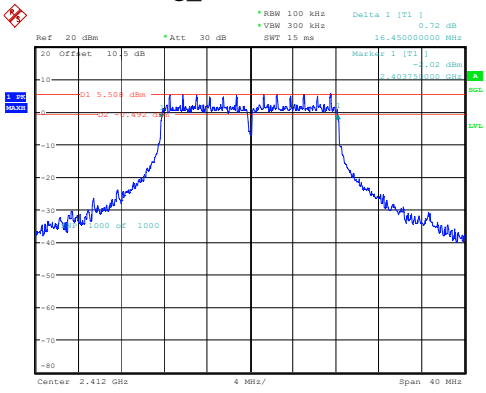
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:31:21

802.11b_2462MHz 10.150MHz



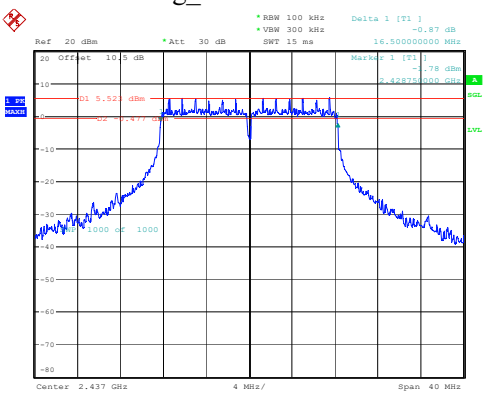
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:33:02

802.11g_2412MHz 16.450MHz



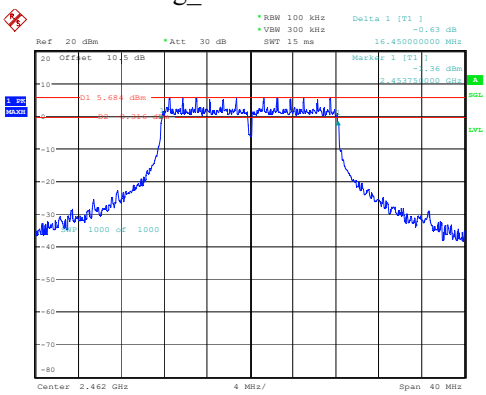
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:34:27

802.11g_2437MHz 16.500MHz



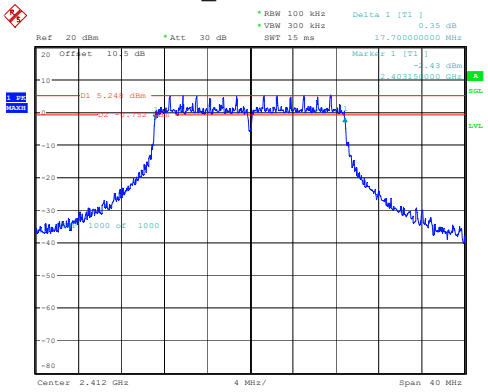
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:36:09

802.11g_2462MHz 16.450MHz



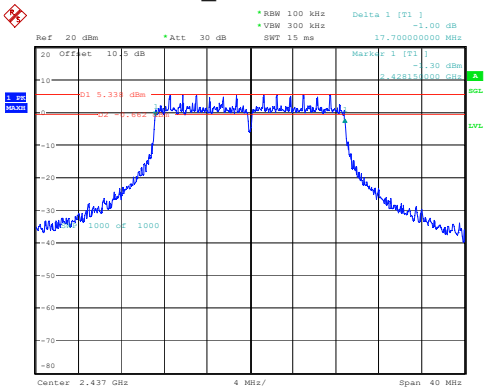
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:38:23

802.11n20_2412MHz 17.700MHz



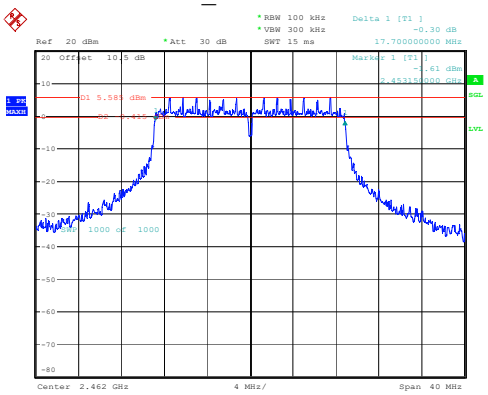
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:40:50

802.11n20_2437MHz 17.700MHz



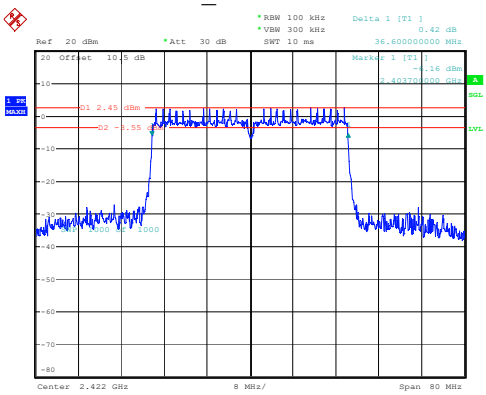
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:51:59

802.11n20_2462MHz 17.700MHz



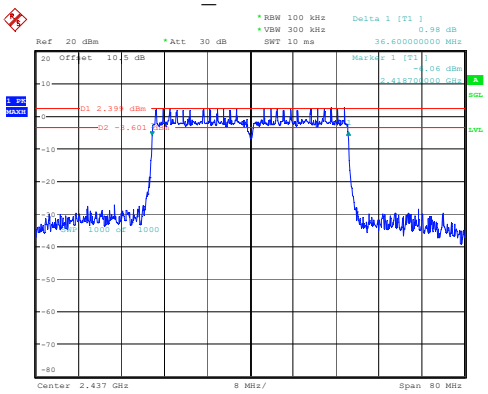
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:55:10

802.11n40_2422MHz 36.600MHz



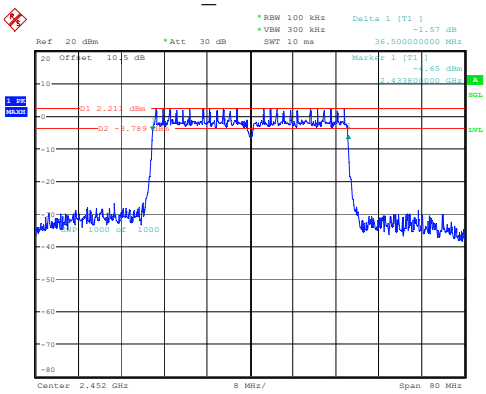
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:56:17

802.11n40_2437MHz 36.600MHz



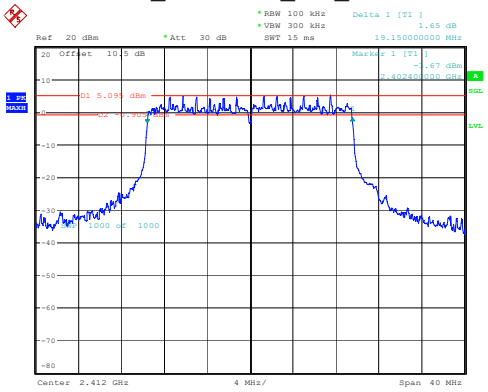
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 09:57:35

802.11n40_2452MHz 36.500MHz



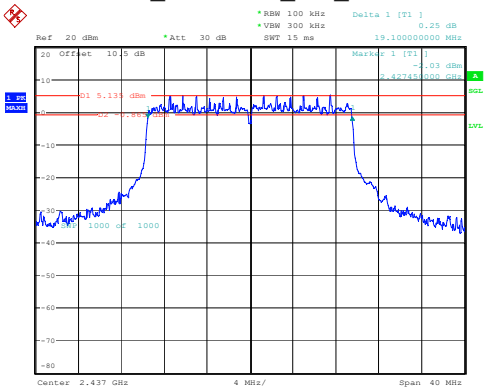
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:04:27

802.11ax20_2412MHz_RU_Full 19.150MHz



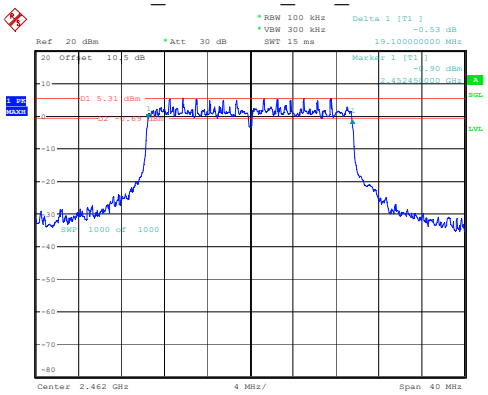
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:07:28

802.11ax20_2437MHz_RU_Full 19.100MHz



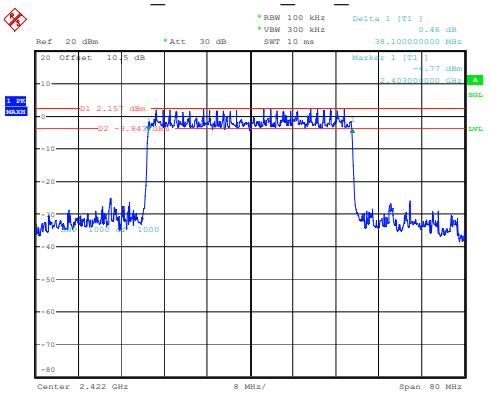
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:10:52

802.11ax20_2462MHz_RU_Full 19.100MHz



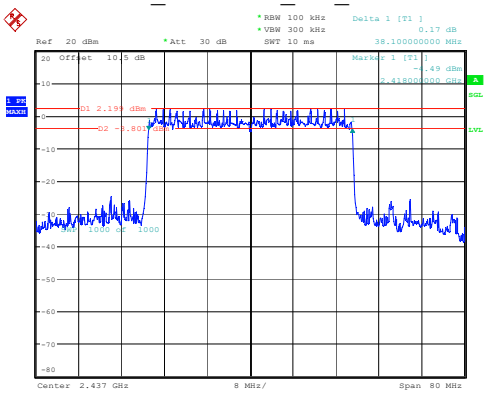
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:14:25

802.11ax40_2422MHz_RU_Full 38.100MHz



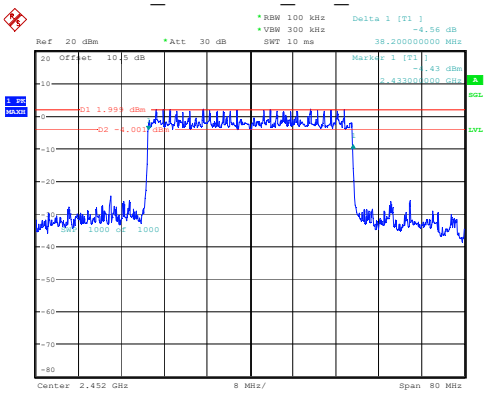
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:15:53

802.11ax40_2437MHz_RU_Full 38.100MHz



ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:17:45

802.11ax40_2452MHz_RU_Full 38.200MHz



ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:21:38

Maximum Conducted Output Power

Test Information:

Sample No.:	2T9W-2	**Test Date:**	2024/11/01
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Rainbow Zhu	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	24~26	**Relative Humidity: (%)**	45~54	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Antenna	Test Frequency (MHz)	Peak Output Power(dBm)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	Chain 0	2412	20.85	17.24	30	Pass
		2437	21.06	17.36	30	Pass
		2462	21.40	17.87	30	Pass
802.11g	Chain 0	2412	24.08	15.65	30	Pass
		2437	24.47	16.11	30	Pass
		2462	24.73	16.24	30	Pass
802.11n20	Chain 0	2412	24.53	15.77	30	Pass
		2437	24.60	15.97	30	Pass
		2462	25.11	16.35	30	Pass
802.11n40	Chain 0	2422	24.73	15.78	30	Pass
		2437	24.80	15.83	30	Pass
		2452	24.78	15.86	30	Pass
802.11ax20_RU_Full	Chain 0	2412	26.19	15.74	30	Pass
		2437	26.28	15.86	30	Pass
		2462	26.67	16.23	30	Pass
802.11ax40_RU_Full	Chain 0	2422	25.27	16.23	30	Pass
		2437	25.32	16.25	30	Pass
		2452	25.42	16.30	30	Pass

Power Spectral Density

Test Information:

Sample No.:	2T9W-2	**Test Date:**	2024/11/02~2024/11/05
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Rainbow Zhu	**Test Result:**	Pass

Environmental Conditions:

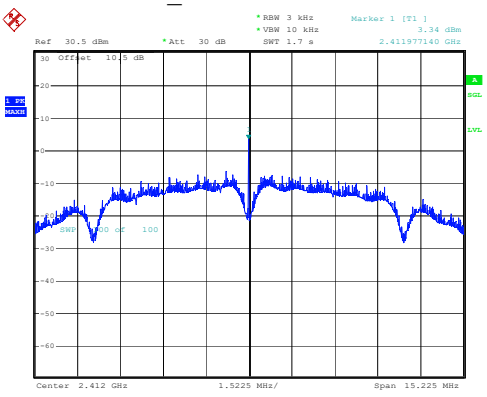
Temperature: (°C):	24~26	**Relative Humidity: (%)**	45~54	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Test Frequency (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	3.34	8	Pass
	2437	3.62	8	Pass
	2462	**3.77**	8	Pass
802.11g	2412	0.44	8	Pass
	2437	0.65	8	Pass
	2462	0.26	8	Pass
802.11n20	2412	0.58	8	Pass
	2437	-10.11	8	Pass
	2462	-10.00	8	Pass
802.11n40	2422	2.03	8	Pass
	2437	2.19	8	Pass
	2452	2.14	8	Pass
802.11ax20_RU_Full	2412	-0.28	8	Pass
	2437	-0.21	8	Pass
	2462	-0.41	8	Pass
802.11ax40_RU_Full	2422	2.26	8	Pass
	2437	2.04	8	Pass
	2452	2.04	8	Pass

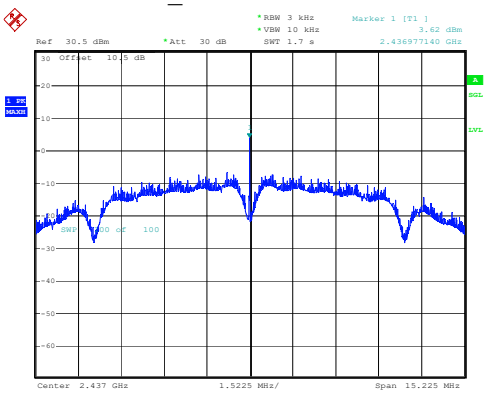
2.4G

802.11b_2412MHz 3.34dBm/3kHz



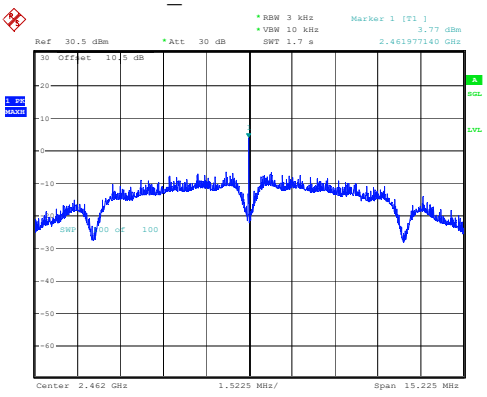
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:26:04

802.11b_2437MHz 3.62dBm/3kHz



ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:30:25

802.11b_2462MHz 3.77dBm/3kHz



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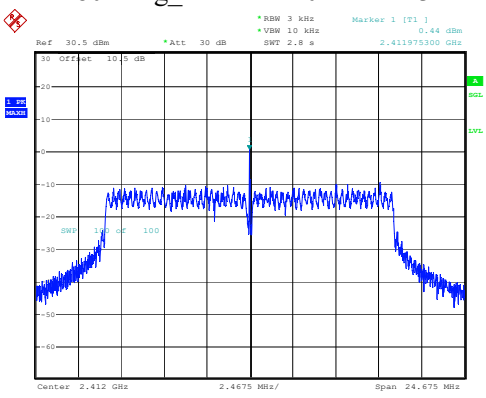
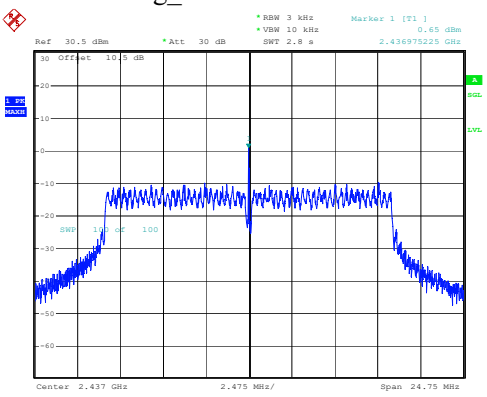
Date: 2.NOV.2024 11:34:00

802.11g_2412MHz 0.44dBm/3kHz



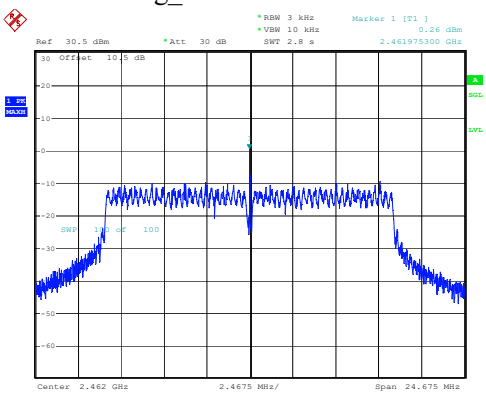
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:43:02

802.11g_2437MHz 0.65dBm/3kHz



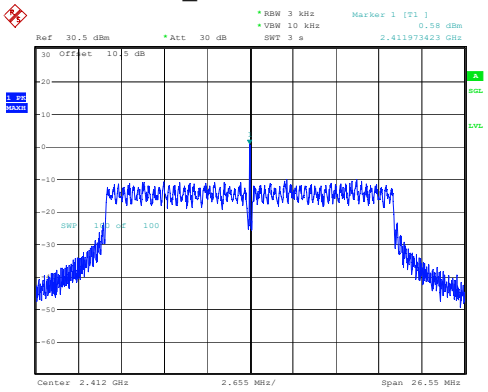
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:49:05

802.11g_2462MHz 0.26dBm/3kHz



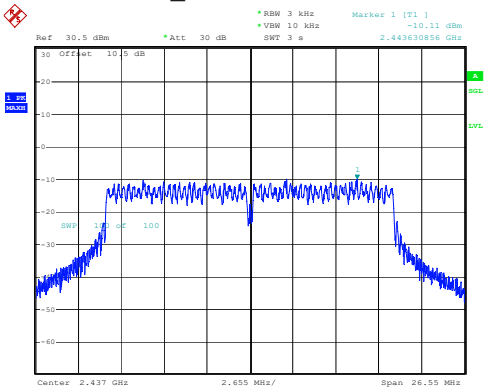
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:54:47

802.11n20_2412MHz 0.58dBm/3kHz



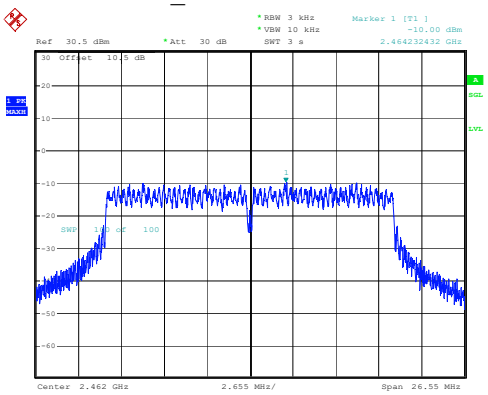
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 12:00:21

802.11n20_2437MHz -10.11dBm/3kHz



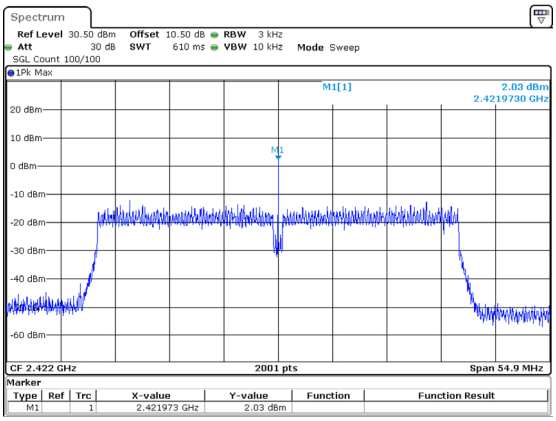
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 13:09:05

802.11n20_2462MHz -10.00dBm/3kHz



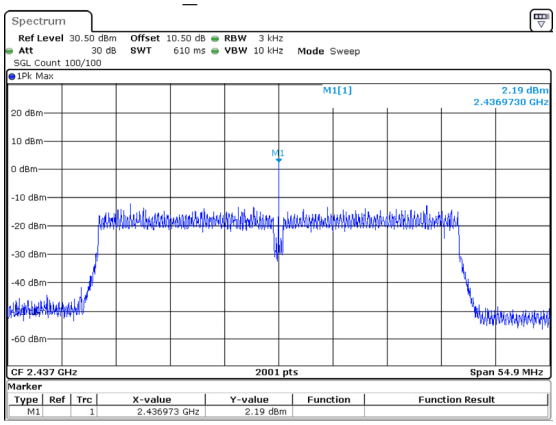
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 13:16:26

802.11n40_2422MHz 2.03dBm/3kHz



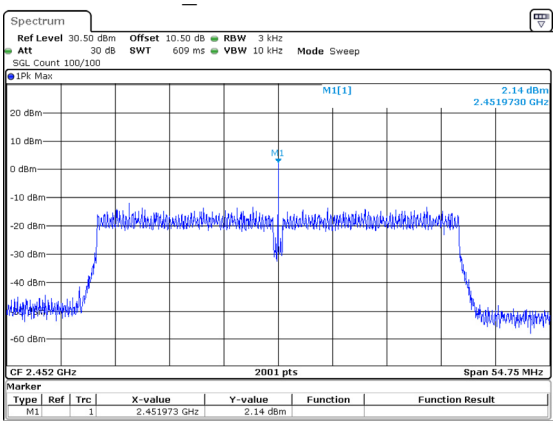
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 5.NOV.2024 13:32:26

802.11n40_2437MHz 2.19dBm/3kHz



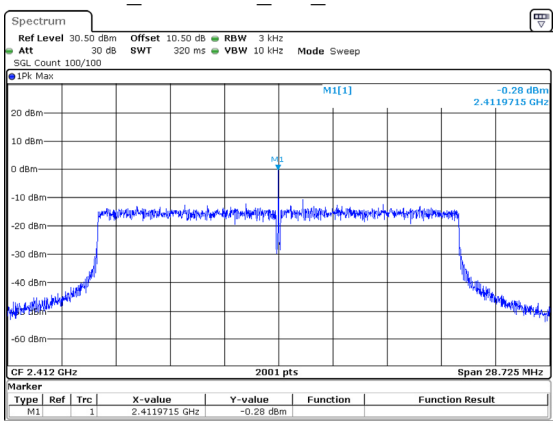
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 5.NOV.2024 13:34:25

802.11n40_2452MHz 2.14dBm/3kHz

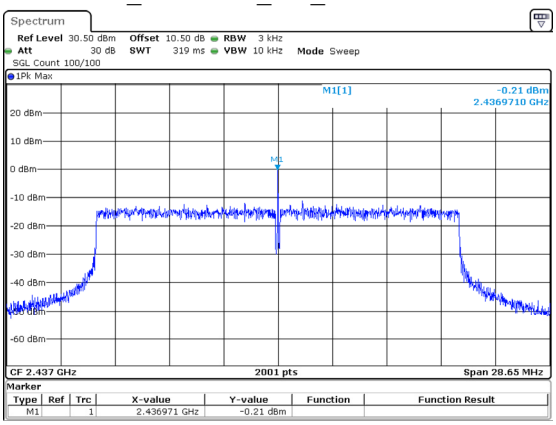


ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 5.NOV.2024 13:36:34

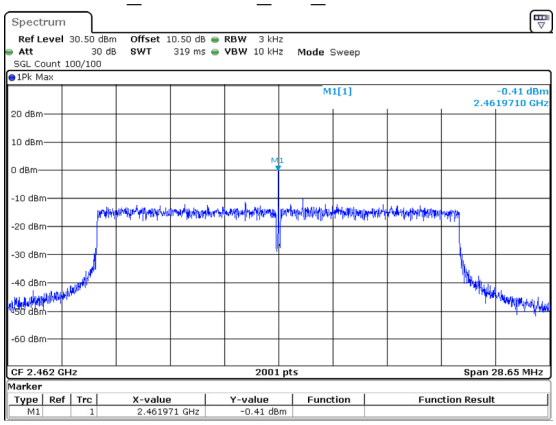
802.11ax20_2412MHz_RU_Full -0.28dBm/3kHz



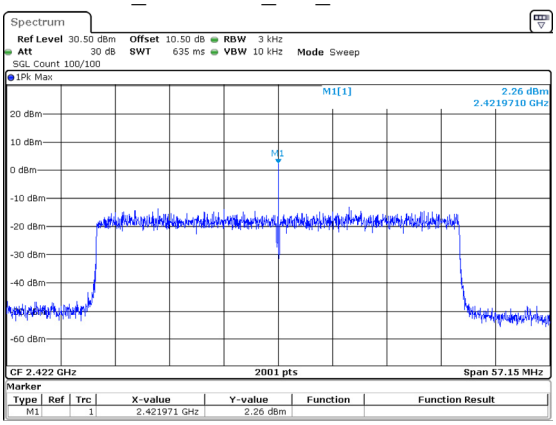
802.11ax20_2437MHz_RU_Full -0.21dBm/3kHz



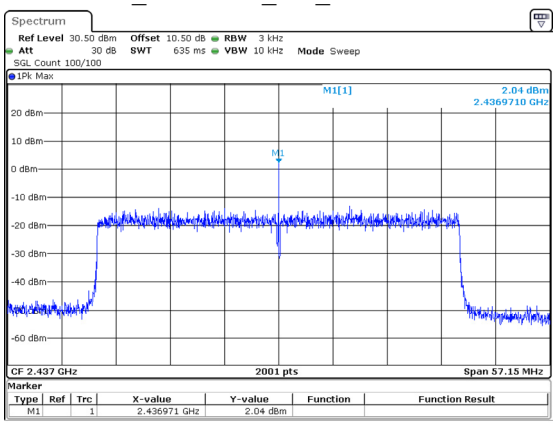
802.11ax20_2462MHz_RU_Full -0.41dBm/3kHz



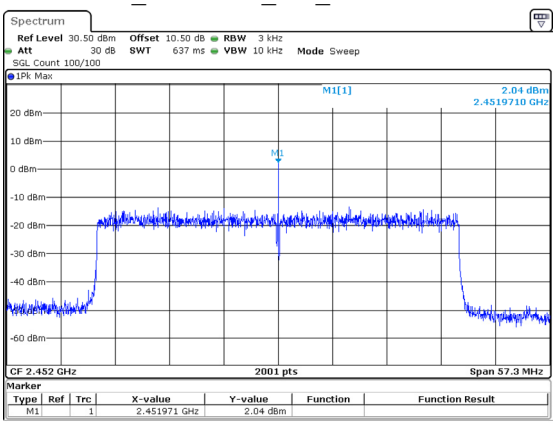
802.11ax40_2422MHz_RU_Full 2.26dBm/3kHz



802.11ax40_2437MHz_RU_Full 2.04dBm/3kHz



802.11ax40_2452MHz_RU_Full 2.04dBm/3kHz



100 kHz Bandwidth of Frequency Band Edge

Test Information:

Sample No.:	2T9W-2	**Test Date:**	2024/11/02
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Rainbow Zhu	**Test Result:**	Pass

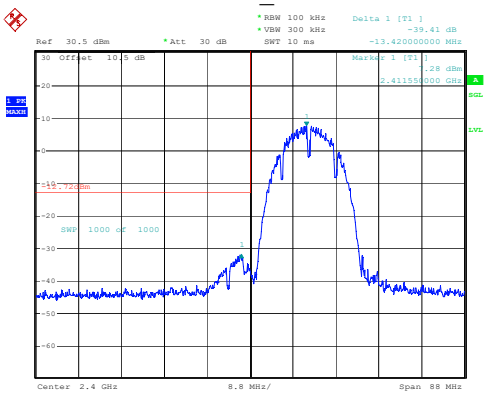
Environmental Conditions:

Temperature: (°C):	24~26	**Relative Humidity: (%)**	45~54	**ATM Pressure: (kPa)**	101

Test Data:

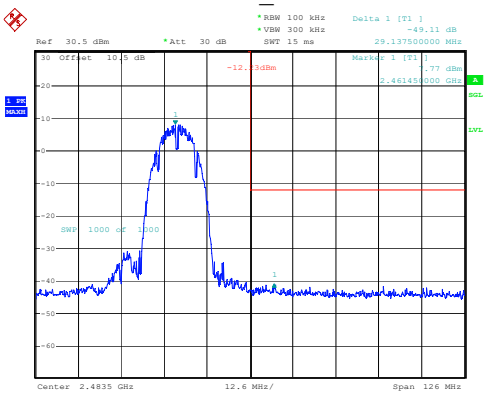
2.4G

802.11b_2412MHz



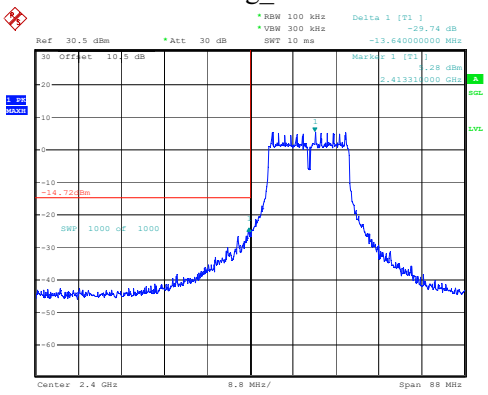
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:55:33

802.11b_2462MHz



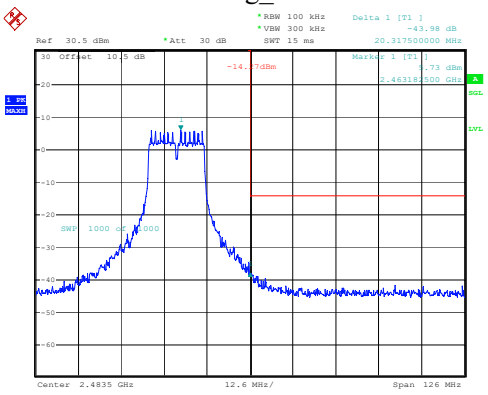
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:57:23

802.11g_2412MHz



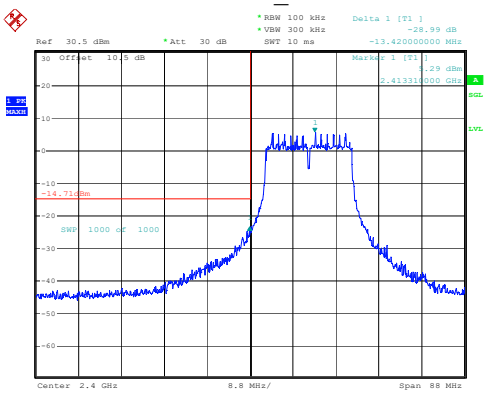
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 10:59:09

802.11g_2462MHz



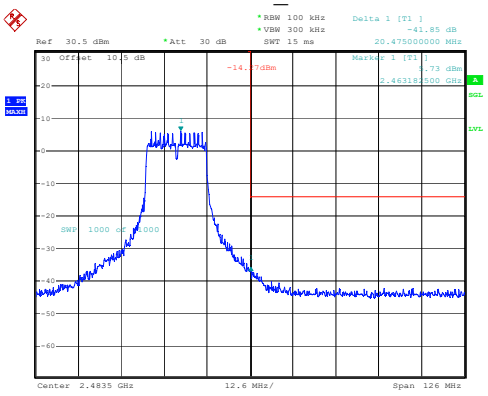
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:01:29

802.11n20_2412MHz



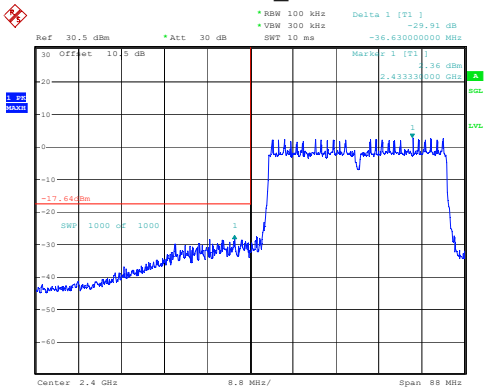
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:04:25

802.11n20_2462MHz



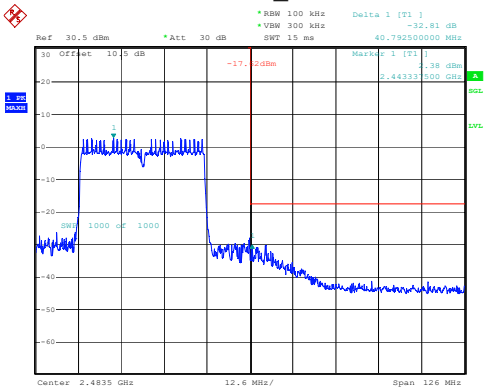
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:05:41

802.11n40_2422MHz



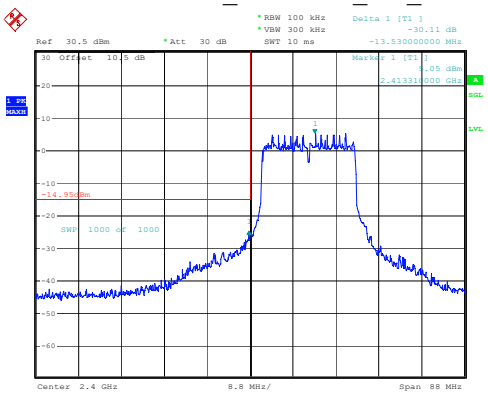
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:08:18

802.11n40_2452MHz



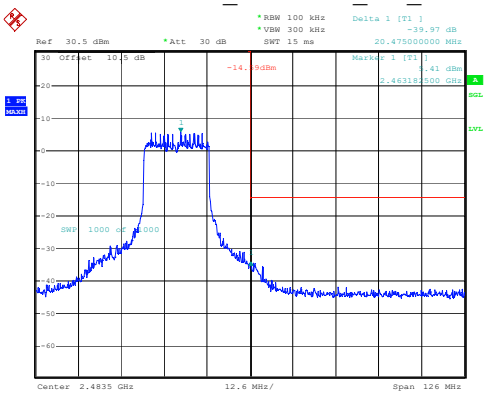
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:09:37

802.11ax20_2412MHz_RU_Full



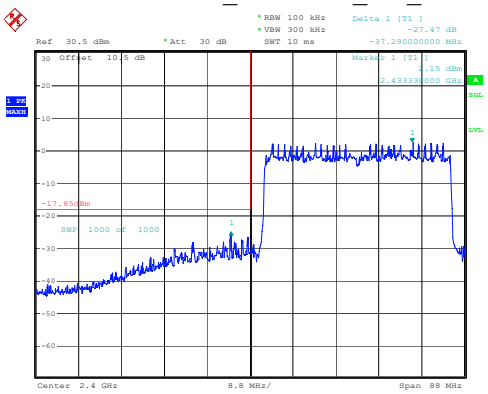
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:10:39

802.11ax20_2462MHz_RU_Full



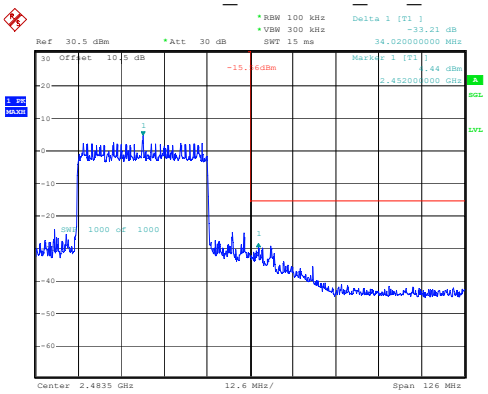
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:12:07

802.11ax40_2422MHz_RU_Full



ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:13:36

802.11ax40_2452MHz_RU_Full



ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 2.NOV.2024 11:18:48

Duty Cycle

Test Information:

Sample No.:	2T9W-2	**Test Date:**	2024/11/01-2025/01/22
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Rainbow Zhu	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C):	24.2~26.8	**Relative Humidity: (%)**	45~54	**ATM Pressure: (kPa)**	101.1~101.7

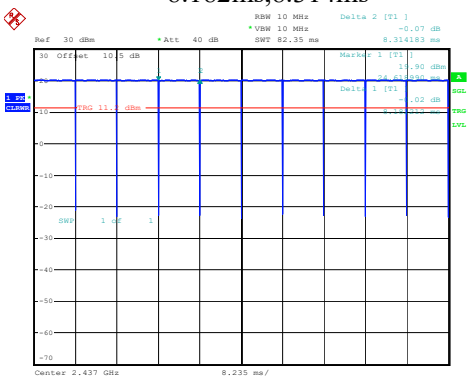
Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	**8.182**	8.314	98.41	/	/	0.010
802.11g	2437	1.362	1.386	98.27	/	/	0.010
802.11n20	2437	1.279	1.305	98.01	/	/	0.010
802.11n40	2437	0.635	0.652	97.39	0.11	1575	2
802.11ax20_RU_Full	2437	0.979	1.001	97.80	0.10	1021	2
802.11ax40_RU_Full	2437	0.517	0.539	95.92	0.18	1934	2

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

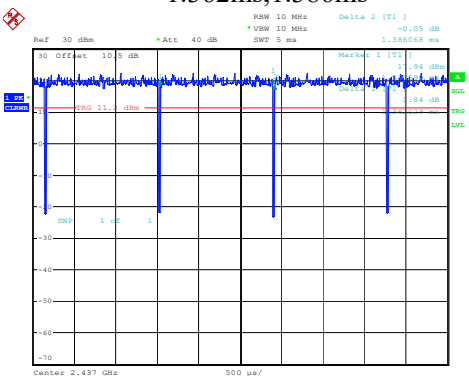
2.4G

802.11b_2437MHz
8.182ms,8.314ms



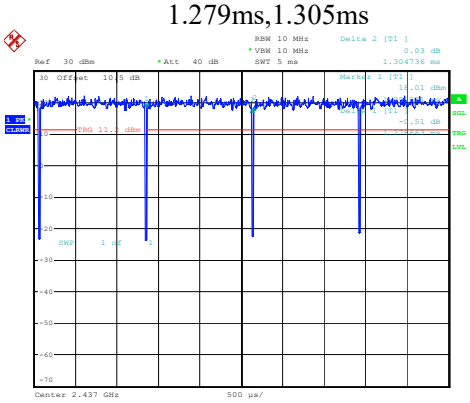
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 1.NOV.2024 10:11:48

802.11g_2437MHz
1.362ms,1.386ms



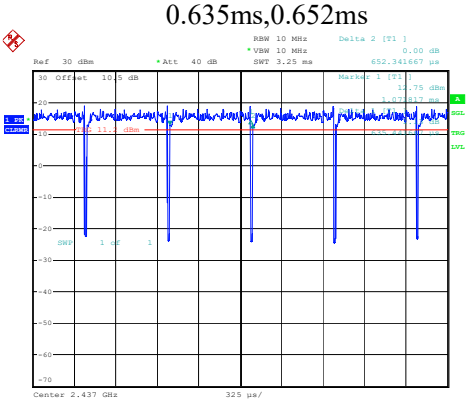
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 1.NOV.2024 10:17:59

802.11n20_2437MHz
1.279ms,1.305ms



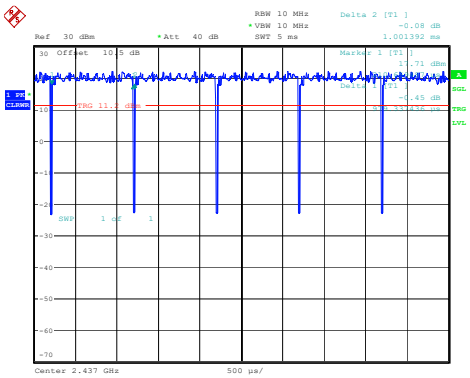
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 1.NOV.2024 10:20:35

802.11n40_2437MHz
0.635ms,0.652ms



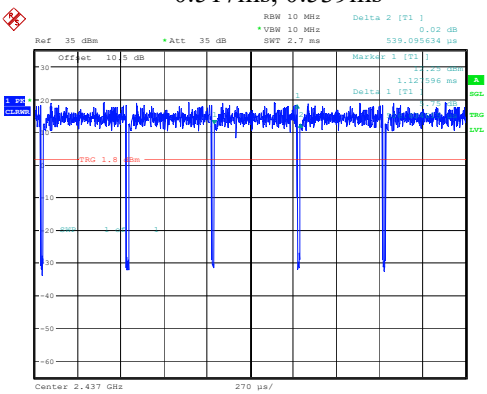
ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 1.NOV.2024 10:22:39

802.11ax20_2437MHz_RU_Full
0.979ms,1.001ms



ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 1.NOV.2024 10:27:20

802.11ax40_2437MHz_RU_Full
0.517ms, 0.539ms



ProjectNo.:2401Y100566E-RF Tester:Rainbow Zhu
Date: 22.JAN.2025 09:20:00

RF EXPOSURE EVALUATION

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247 (i) and 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)(3)(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

Result

Mode	Frequency (MHz)	Tune up conducted power#(dBm)	Antenna Gain#		ERP		Evaluation Distance (m)	ERP Limit (W)
			(dBi)	(dBd)	(dBm)	(W)		
2.4G Wi-Fi	2412-2462	27	2	-0.15	26.85	0.48	0.2	0.768

Note: The tune up conducted power and antenna gain was declared by the applicant.

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

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2401Y100566E-RF External photo and 2401Y100566E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401Y100566E-RF-00A Test Setup photo.

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