

TEST REPORT

Applicant Name: JEM ACCESSORIES INC.
Address: 32 Brunswick Avenue, Edison, New Jersey, United States, 08817
Report Number: 2401X47535E-RF-00B
FCC ID: 2AHAS-EOP1-1001

Test Standard (s)
FCC PART 15.407

Sample Description

Product Type: Smart 2K Socket P/T Camera
Model No.: EOP1-1001
Multiple Model(s) No.: EOP1-1001-5GB, EOP1-1001-5GW
Trade Mark: N/A
Date Received: 2024-09-27
Issue Date: 2025-01-22

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

Prepared and Checked By:

Ekko Wu

Ekko Wu
RF Engineer

Approved By:

Nancy Wang

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.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401X47535E-RF-00B	Original Report	2025-01-22

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Smart 2K Socket P/T Camera
Tested Model	EOP1-1001
Multiple Model(s)	EOP1-1001-5GB, EOP1-1001-5GW
Frequency Range	5150-5250MHz; 5250-5350MHz; 5470-5725MHz; 5725-5850MHz
Mode	802.11a/n20/n40
Maximum Conducted Average Output Power	5150-5250MHz: 17.67dBm; 5250-5350MHz: 17.37dBm 5470-5725MHz: 17.61dBm; 5725-5850MHz: 16.27dBm
Modulation Technique	OFDM
Antenna Specification[#]	3.68dBi (provided by the applicant)
Voltage Range	AC 120V, 60Hz
Sample serial number	2SAD-2 for Conducted and Radiated Emissions Test 2SAD-1 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 No., sales channels and color. 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 E of the Federal Communication Commissions rules.

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

Test Methodology

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

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		109.2kHz(k=2, 95% level of confidence)
RF Frequency		56.6Hz(k=2, 95% level of confidence)
RF output power, conducted		0.86dB(k=2, 95% level of confidence)
Unwanted Emission, conducted		1.60dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz-150kHz	3.63dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz - 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°C
Humidity		±1%
Supply voltages		±0.4%

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

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

For 5150-5250MHz Band, 6 channels are provided to testing:

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

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

For 802.11n40 mode: channel 38, 46 were tested

For 5250-5350MHz Band, 6 channels are provided to testing:

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

For 802.11a/n20 mode: channel 52, 56, 64 were tested

For 802.11n40 mode: channel 54, 62 were tested

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

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	124	5620
102	5510	126	5630
104	5520	128	5640
108	5540	132	5660
110	5550	134	5670
112	5560	136	5680
116	5580	140	5700
118	5590	142	5710
120	5600	144	5720

For 802.11a/n20 mode: channel 100, 116, 140, 144 were tested

For 802.11n40 mode: channel 102, 110, 134, 142 were tested

For 5725-5850MHz Band, 7 channels are provided to testing:

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

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

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

Exercise Software [#]		SecureCRT.exe			
5150-5250 MHz Band					
Mode	Data rate	Power Level [#]			
		Low Channel	Middle Channel	High Channel	
802.11a	6Mbps	14	14	14	
802.11n20	MCS0	14	14	14	
802.11n40	MCS0	16	/	16	
5250-5350 MHz Band					
Mode	Data rate	Power Level [#]			
		Low Channel	Middle Channel	High Channel	
802.11a	6Mbps	14	14	14	
802.11n20	MCS0	14	14	14	
802.11n40	MCS0	16	/	16	
5470-5725 MHz Band					
Mode	Data rate	Power Level [#]			
		Low Channel	Middle Channel	High Channel	Cross Channel
802.11a	6Mbps	14	14	14	14
802.11n20	MCS0	14	14	14	14
802.11n40	MCS0	16	16	16	16
5725-5850 MHz Band					
Mode	Data rate	Power Level [#]			
		Low Channel	Middle Channel	High Channel	
802.11a	6Mbps	14	14	14	
802.11n20	MCS0	14	14	14	
802.11n40	MCS0	16	/	16	
Note: The worst-case data rates are determined to be as follows for each mode based upon investigation by measuring the power and PSD across all data rates bandwidths, and modulations.					

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

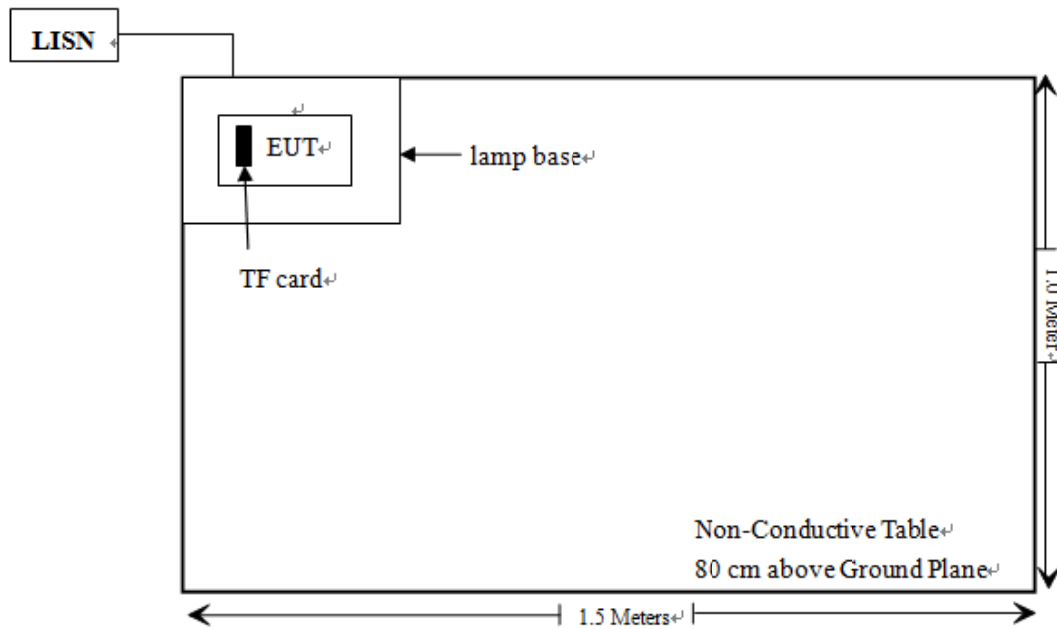
Manufacturer	Description	Model	Serial Number
Unknown	lamp base	Unknown	Unknown
Sandisk	TF card	Unknown	Unknown

External I/O Cable

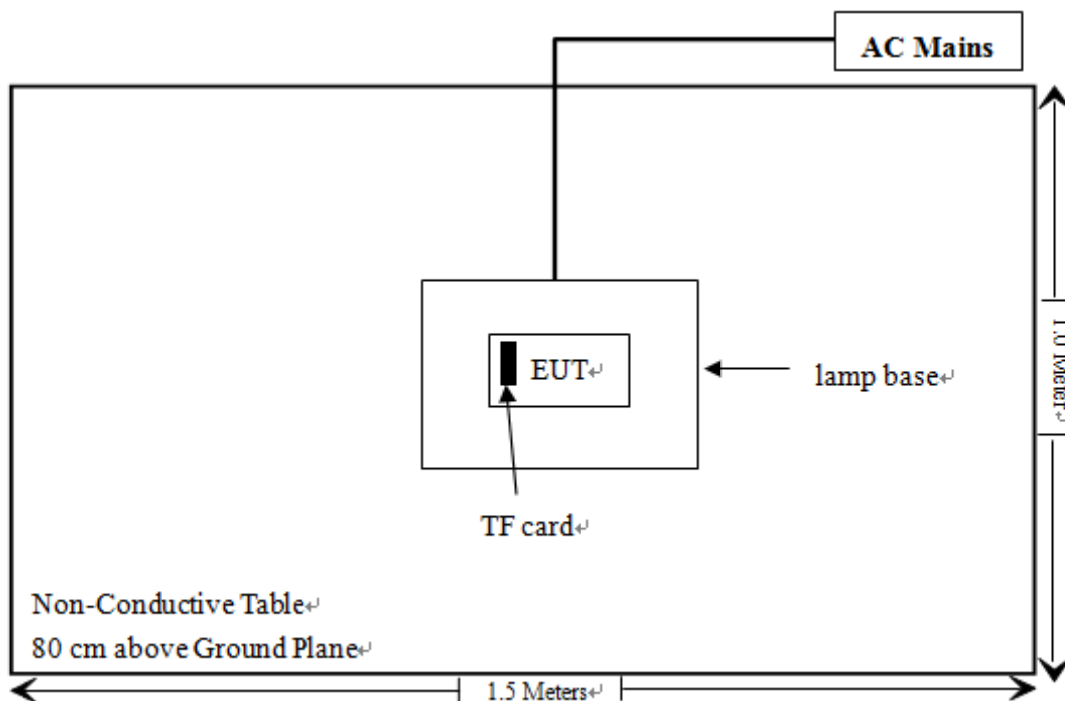
Cable Description	Length (m)	From Port	To
Unshielded Un-detachable AC cable	2	lamp base	LISN/AC Mains

Block Diagram of Test Setup

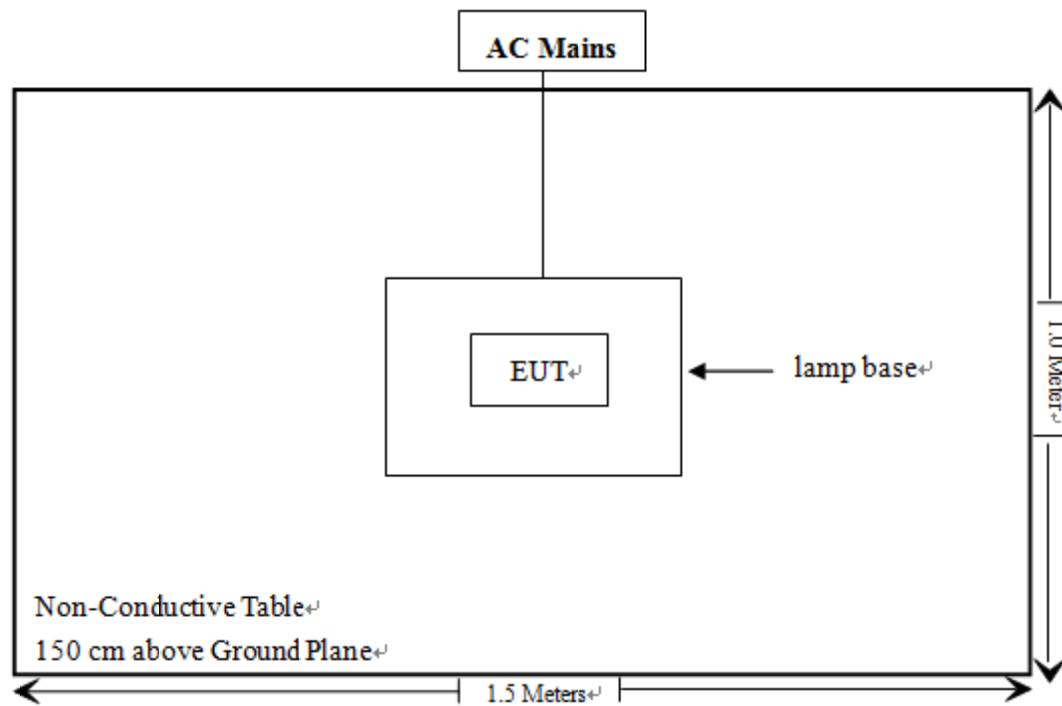
For Conducted Emissions:



For Radiated Emissions below 1GHz:



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
FCC §15.207(a)	AC Line Conducted Emissions	Compliant
FCC §15.207(a)	Undesirable Emission& Restricted Bands	Compliant
FCC§15.407(a) (e)	Emission Bandwidth	Compliant
FCC§15.407 (a)	Maximum Conducted Output Power	Compliant
FCC§15.407 (a)	Power Spectral Density	Compliant
§15.407 (h)	Transmit Power Control (TPC)	Not Applicable
§15.407 (h)	Dynamic Frequency Selection (DFS)	Compliant*
C63.10 §11.6	Duty Cycle	/
§1.1307 (b) & §2.1091	Maximum Permissible Exposure (MPE)	Compliant

Compliant*: Please refer to the DFS report: 2401X47535E-RF-00C.

Not Applicable: For 5250-5350MHz/5470-5725MHz, the maximum EIRP is 21.29dBm <27dBm (500mW).

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
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
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	Chamber Cable 1	F-03-EM236	2024/06/18	2025/06/17
Unknown	Cable	XH500C	J-10M-A	2024/06/18	2025/06/17
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Cable	2Y194	0735	2024/05/21	2025/05/20
Unknown	Cable	PNG214	1354	2024/05/21	2025/05/20
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
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	2024/06/18	2025/06/17
Unknown	RF Cable	UFA147	219661	2024/06/18	2025/06/17
Unknown	RF Cable	XH750A-N	J-10M	2024/06/18	2025/06/17
JD	Filter Switch Unit	DT7220FSU	DS79906	2024/09/09	2025/09/08
JD	Multiplex Switch Test Control Set	DT7220SCU	DS79903	2024/09/09	2025/09/08
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
Audix	EMI Test software	E3	191218(V9)	NCR	NCR

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	2024/12/04	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).

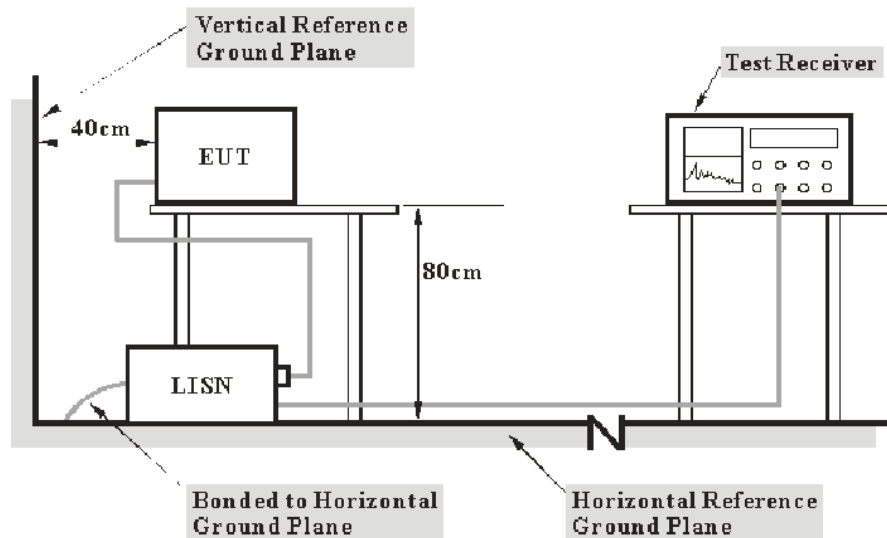
REQUIREMENTS AND TEST PROCEDURES

Conducted Emissions

Applicable Standard

FCC §15.207, §15.407(b) (6)

EUT Setup



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

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

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

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

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

Test Procedure

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

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

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

Factor & Over Limit Calculation

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

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

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

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

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

Undesirable Emission

Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

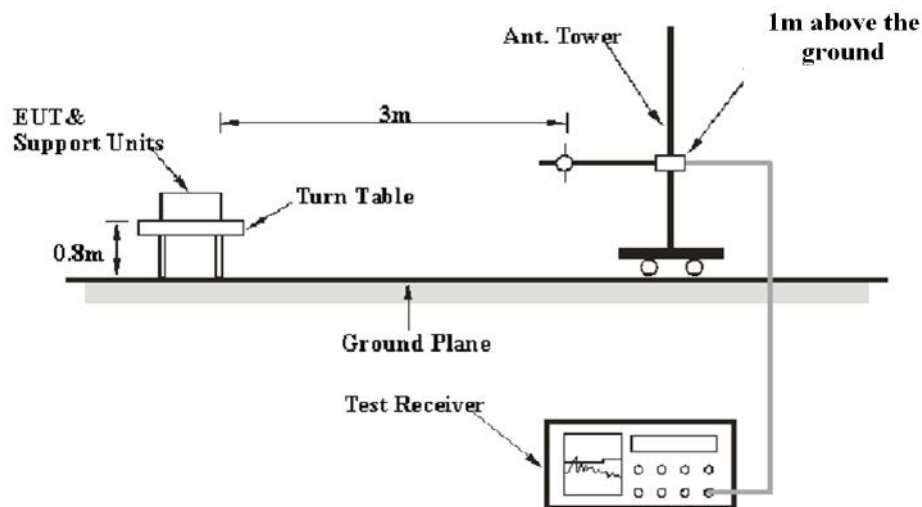
(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

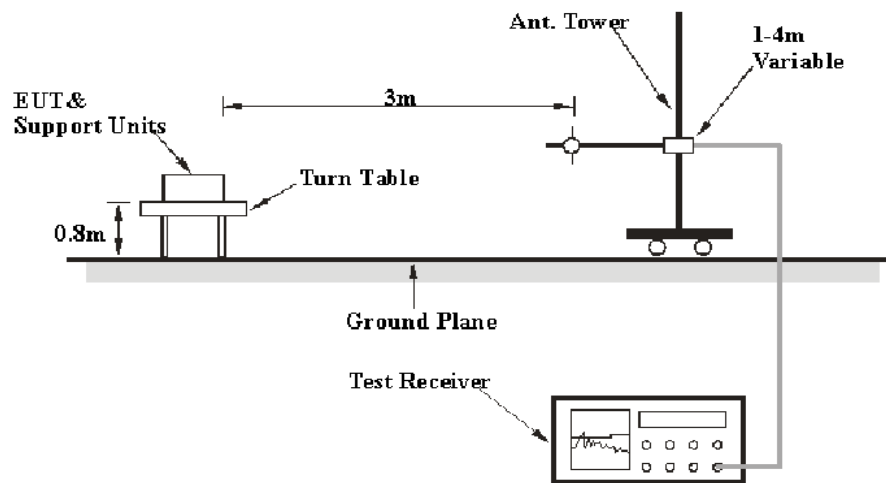
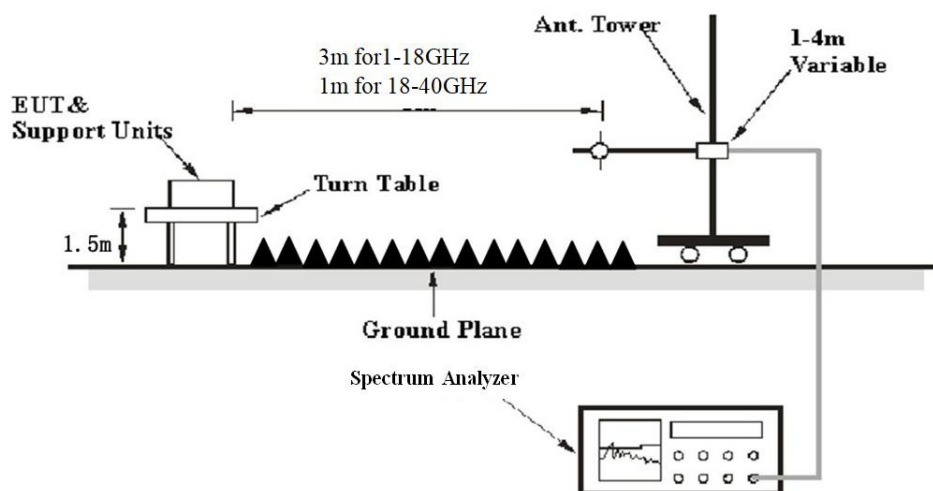
- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

EUT Setup

9 kHz-30MHz:



30MHz-1GHz:**Above 1 GHz:**

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

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

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9 kHz-1GHz:

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

1-40GHz:

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

Radiated Spurious Emission

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

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

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

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

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

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

where

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

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

Factor & 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:

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

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

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

26 dB & 6dB Emission Bandwidth

Applicable Standard

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

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

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

1. Emission Bandwidth (EBW)

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

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

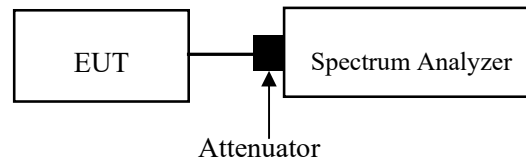
3. 99% Occupied Bandwidth:

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



Conducted Transmitter Output Power

Applicable Standard

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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

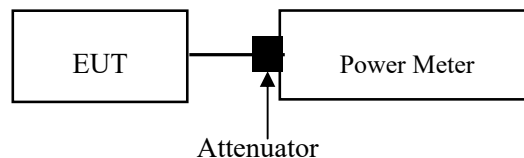
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not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

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method PM-G should be applied

- a. Place the EUT on a bench and set it in transmitting mode.
- b. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.



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 added with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Power Spectral Density

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

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

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

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

Duty cycle $\geq 98\%$

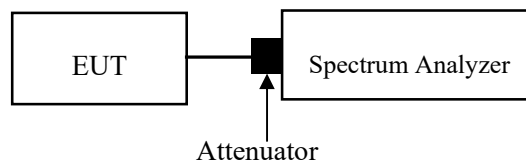
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$

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

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$

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



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 added with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

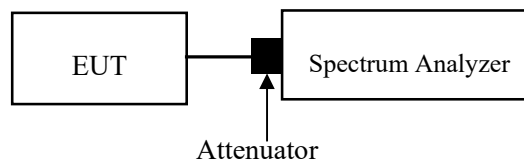
Duty Cycle

Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. 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 $T \leq 16.7 \mu s$.)



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 3.68dBi, fulfill the requirement of this section. Please refer to the EUT photos.

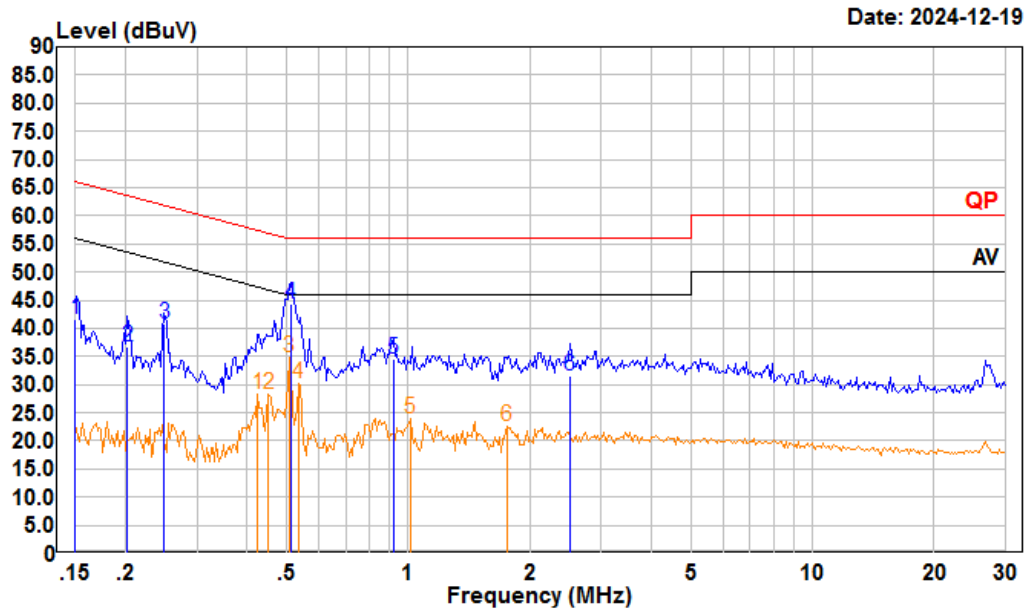
Result: Compliant

TEST DATA AND RESULTS

Conducted Emissions

Temperature (°C)	25	Relative Humidity (%)	63
ATM Pressure (kPa)	101	Test engineer	Macy.shi
Test date	2024/12/19		
EUT operation mode	Transmitting (Maximum output power mode, 802.11n20 5240MHz)		

AC120V 60 Hz, Line

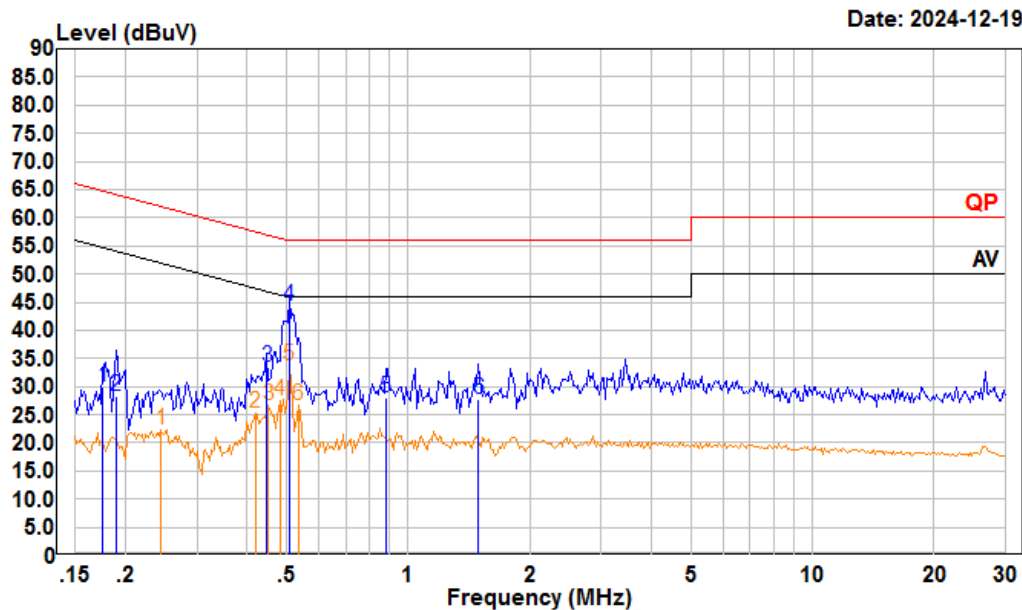


Condition: Line
Project : 2401X47535E-RF
tester : Macy.shi
Note : Transmitting
Detector : RBW:9KHz VBW:Auto SWT:Auto

	Read Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.150	20.70	41.73	10.90	10.13	66.00	-24.27	QP
2	0.202	15.70	36.59	10.80	10.09	63.54	-26.95	QP
3	0.249	20.04	40.85	10.73	10.08	61.78	-20.93	QP
4	0.513	23.80	44.44	10.50	10.14	56.00	-11.56	QP
5	0.918	13.93	34.45	10.42	10.10	56.00	-21.55	QP
6	2.513	11.00	31.67	10.50	10.17	56.00	-24.33	QP
	Read Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.424	7.54	28.20	10.55	10.11	47.37	-19.17	Average
2	0.452	7.58	28.23	10.53	10.12	46.85	-18.62	Average
3	0.507	14.20	34.84	10.50	10.14	46.00	-11.16	Average
4	0.535	9.48	30.11	10.50	10.13	46.00	-15.89	Average
5	1.010	3.48	23.99	10.40	10.11	46.00	-22.01	Average

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
6	1.753	1.94	22.68	10.56	10.18	46.00	-23.32	Average

AC120V 60 Hz, Neutral



Trace: 1

Condition: Neutral

Project : 2401X47535E-RF

tester : Macy.shi

Note : Transmitting

Detector : RBW:9KHz VBW:Auto SWT:Auto

	Read Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.176	9.30	29.89	10.49	10.10	64.68	-34.79	QP
2	0.189	7.80	28.33	10.44	10.09	64.06	-35.73	QP
3	0.447	12.60	33.38	10.66	10.12	56.93	-23.55	QP
4	0.507	23.60	44.44	10.70	10.14	56.00	-11.56	QP
5	0.880	7.20	28.13	10.83	10.10	56.00	-27.87	QP
6	1.495	6.90	27.67	10.61	10.16	56.00	-28.33	QP
	Read Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.244	1.65	22.20	10.47	10.08	51.95	-29.75	Average
2	0.419	4.53	25.28	10.64	10.11	47.46	-22.18	Average
3	0.452	5.85	26.64	10.67	10.12	46.85	-20.21	Average
4	0.481	6.57	27.39	10.69	10.13	46.32	-18.93	Average
5	0.507	12.99	33.83	10.70	10.14	46.00	-12.17	Average

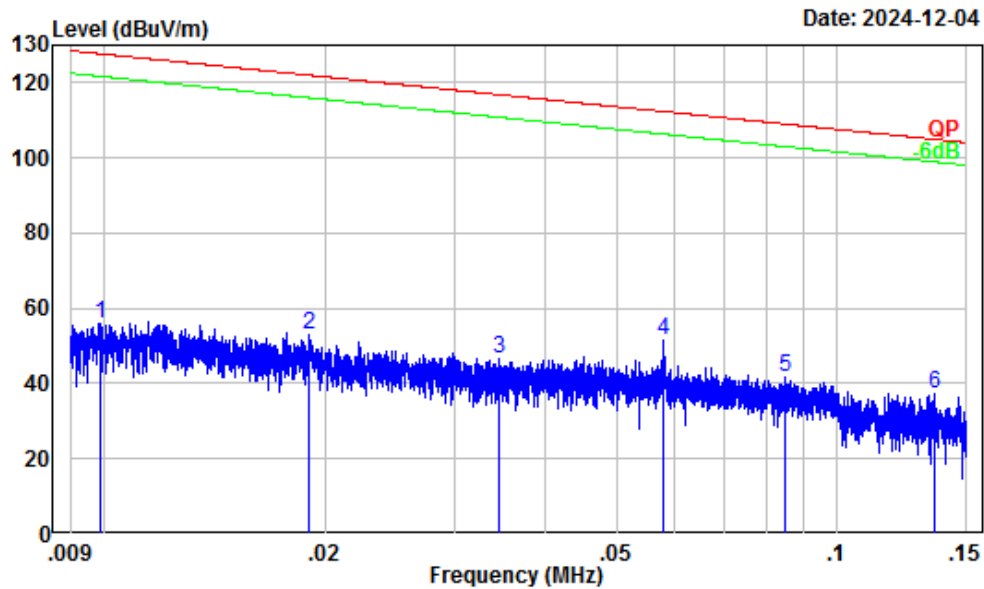
	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
6	0.535	5.78	26.61	10.70	10.13	46.00	-19.39	Average

Undesirable Emission

Temperature (°C)	25	Relative Humidity (%)	50~53
ATM Pressure (kPa):	101	Test engineer:	Carl Zhu&Zeos Qiao
Test date:	2024/11/19~2024/12/04		
EUT operation mode:	Below 1GHz: Transmitting (Maximum output power mode, 802.11n20 5240MHz) 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:

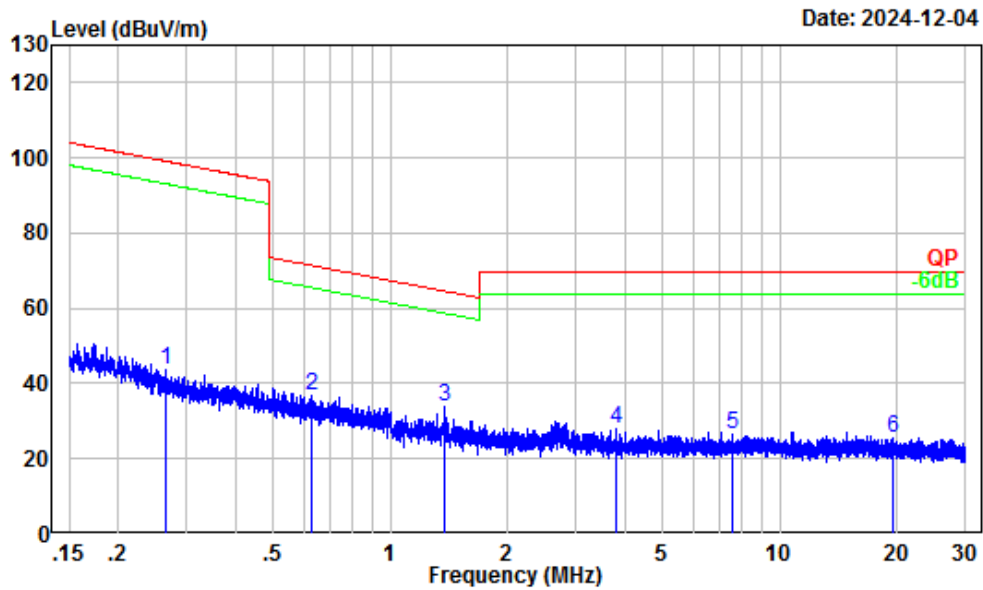
9kHz-150kHz



Site : Chamber A
Condition : 3m
Project Number : 2401X47535E-RF
Test Mode : Transmitting
Detector Peak 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	32.33	23.64	55.97	127.72	-71.75	Peak
2	0.02	30.59	22.37	52.96	122.03	-69.07	Peak
3	0.03	28.02	18.68	46.70	116.84	-70.14	Peak
4	0.06	25.61	25.71	51.32	112.35	-61.03	Peak
5	0.08	23.07	18.81	41.88	109.05	-67.17	Peak
6	0.14	19.88	17.43	37.31	104.93	-67.62	Peak

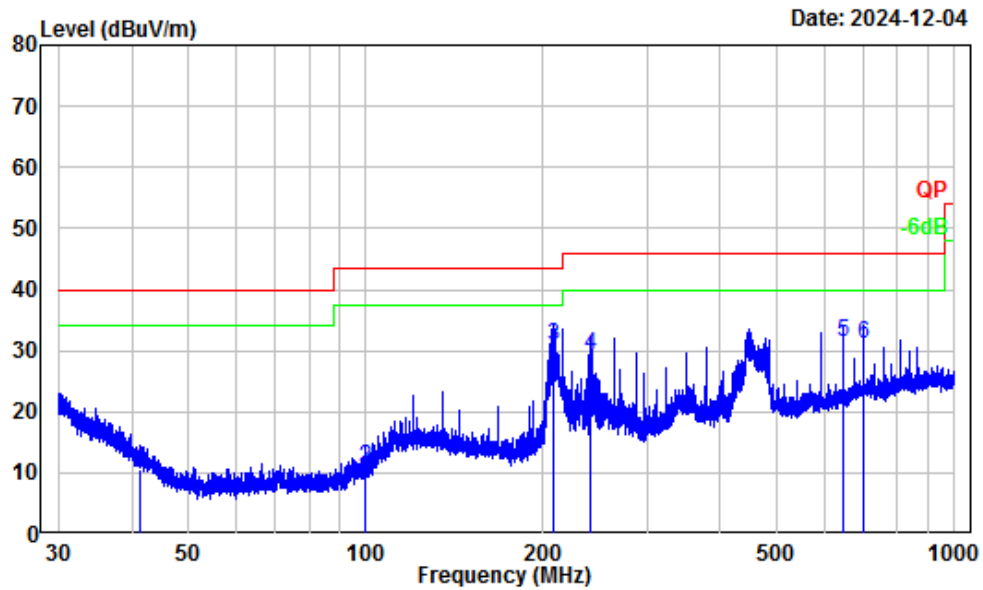
150kHz-30MHz



Site : Chamber A
Condition : 3m
Project Number : 2401X47535E-RF
Test Mode : Transmitting
Detector Peak 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	0.27	12.23	31.60	43.83	99.12	-55.29	Peak
2	0.63	4.85	31.72	36.57	71.63	-35.06	Peak
3	1.38	0.13	33.67	33.80	64.60	-30.80	Peak
4	3.80	-2.59	30.51	27.92	69.54	-41.62	Peak
5	7.55	-2.98	29.35	26.37	69.54	-43.17	Peak
6	19.48	-3.05	28.80	25.75	69.54	-43.79	Peak

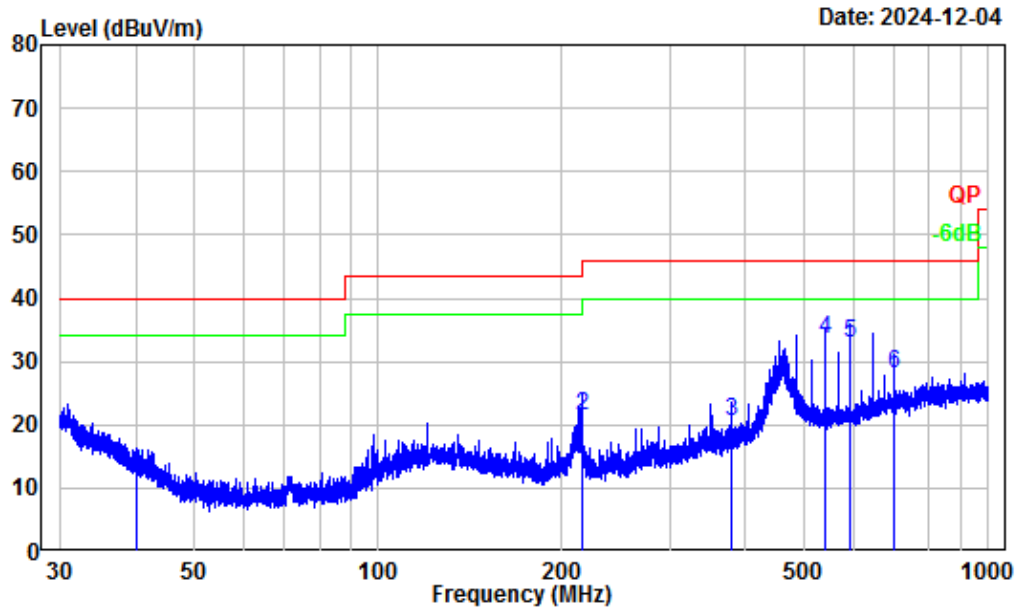
30MHz-1GHz_Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2401X47535E-RF
Test Mode : Transmitting
Detector QP RBW: 120KHz
Tester : Carl Zhu

	Freq		Read		Limit	Over	Remark
	MHz	Factor	Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	41.28	-13.29	23.86	10.57	40.00	-29.43	QP
2	100.01	-15.89	26.80	10.91	43.50	-32.59	QP
3	208.49	-13.85	44.70	30.85	43.50	-12.65	QP
4	240.09	-13.32	42.70	29.38	46.00	-16.62	QP
5	648.24	-4.17	35.49	31.32	46.00	-14.68	QP
6	702.07	-3.48	34.63	31.15	46.00	-14.85	QP

30MHz-1GHz_Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number : 2401X47535E-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	40.06	-12.42	24.70	12.28	40.00	-27.72	QP
2	216.02	-14.20	35.68	21.48	46.00	-24.52	QP
3	378.09	-9.20	29.59	20.39	46.00	-25.61	QP
4	540.19	-5.62	39.01	33.39	46.00	-12.61	QP
5	594.09	-5.27	38.30	33.03	46.00	-12.97	QP
6	702.07	-3.48	31.55	28.07	46.00	-17.93	QP

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

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
802.11a							
Low Channel							
10360	46.84	PK	H	13.07	59.91	68.2	-8.29
10360	46.52	PK	V	13.07	59.59	68.2	-8.61
Middle Channel							
10400	46.43	PK	H	13.12	59.55	68.2	-8.65
10400	46.15	PK	V	13.12	59.27	68.2	-8.93
High Channel							
10480	46.09	PK	H	13.07	59.16	68.2	-9.04
10480	45.78	PK	V	13.07	58.85	68.2	-9.35
802.11n20							
Low Channel							
10360	46.96	PK	H	13.07	60.03	68.2	-8.17
10360	46.68	PK	V	13.07	59.75	68.2	-8.45
Middle Channel							
10400	46.55	PK	H	13.12	59.67	68.2	-8.53
10400	46.27	PK	V	13.12	59.39	68.2	-8.81
High Channel							
10480	46.2	PK	H	13.07	59.27	68.2	-8.93
10480	45.92	PK	V	13.07	58.99	68.2	-9.21
802.11n40							
Low Channel							
10380	45.75	PK	H	13.09	58.84	68.2	-9.36
10380	45.5	PK	V	13.09	58.59	68.2	-9.61
High Channel							
10460	45.36	PK	H	13.09	58.45	68.2	-9.75
10460	45.13	PK	V	13.09	58.22	68.2	-9.98

5250-5350MHz

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
802.11a							
Low Channel							
10520	46.17	PK	H	13.05	59.22	68.2	-8.98
10520	45.9	PK	V	13.05	58.95	68.2	-9.25
Middle Channel							
10560	46.49	PK	H	13.02	59.51	68.2	-8.69
10560	46.24	PK	V	13.02	59.26	68.2	-8.94
High Channel							
10640	46.98	PK	H	13.19	60.17	74	-13.83
10640	33.25	AV	H	13.19	46.44	54	-7.56
10640	46.64	PK	V	13.19	59.83	74	-14.17
10640	32.96	AV	V	13.19	46.15	54	-7.85
802.11n20							
Low Channel							
10520	46.32	PK	H	13.05	59.37	68.2	-8.83
10520	46.09	PK	V	13.05	59.14	68.2	-9.06
Middle Channel							
10560	46.66	PK	H	13.02	59.68	68.2	-8.52
10560	46.41	PK	V	13.02	59.43	68.2	-8.77
High Channel							
10640	47.07	PK	H	13.19	60.26	74	-13.74
10640	33.16	AV	H	13.19	46.35	54	-7.65
10640	46.75	PK	V	13.19	59.94	74	-14.06
10640	32.93	AV	V	13.19	46.12	54	-7.88
802.11n40							
Low Channel							
10540	45.96	PK	H	13.03	58.99	68.2	-9.21
10540	45.71	PK	V	13.03	58.74	68.2	-9.46
High Channel							
10620	46.64	PK	H	13.09	59.73	74	-14.27
10620	32.78	AV	H	13.09	45.87	54	-8.13
10620	46.32	PK	V	13.09	59.41	74	-14.59
10620	32.57	AV	V	13.09	45.66	54	-8.34

5470-5725MHz

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
802.11a							
Low Channel							
11000	46.35	PK	H	13.98	60.33	74	-13.67
11000	32.42	AV	H	13.98	46.4	54	-7.6
11000	45.89	PK	V	13.98	59.87	74	-14.13
11000	32.13	AV	V	13.98	46.11	54	-7.89
Middle Channel							
11160	47.07	PK	H	13.62	60.69	74	-13.31
11160	33.14	AV	H	13.62	46.76	54	-7.24
11160	46.53	PK	V	13.62	60.15	74	-13.85
11160	32.85	AV	V	13.62	46.47	54	-7.53
High Channel							
11400	47.74	PK	H	14.08	61.82	74	-12.18
11400	33.81	AV	H	14.08	47.89	54	-6.11
11400	47.18	PK	V	14.08	61.26	74	-12.74
11400	33.46	AV	V	14.08	47.54	54	-6.46
Cross Channel							
11440	46.89	PK	H	14.08	60.97	74	-13.03
11440	32.97	AV	H	14.08	47.05	54	-6.95
11440	46.41	PK	V	14.08	60.49	74	-13.51
11440	32.65	AV	V	14.08	46.73	54	-7.27

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							
11000	46.47	PK	H	13.98	60.45	74	-13.55
11000	32.35	AV	H	13.98	46.33	54	-7.67
11000	45.94	PK	V	13.98	59.92	74	-14.08
11000	32.06	AV	V	13.98	46.04	54	-7.96
Middle Channel							
11160	47.16	PK	H	13.62	60.78	74	-13.22
11160	33.08	AV	H	13.62	46.7	54	-7.3
11160	46.63	PK	V	13.62	60.25	74	-13.75
11160	32.77	AV	V	13.62	46.39	54	-7.61
High Channel							
11400	47.82	PK	H	14.08	61.9	74	-12.1
11400	33.73	AV	H	14.08	47.81	54	-6.19
11400	47.29	PK	V	14.08	61.37	74	-12.63
11400	33.38	AV	V	14.08	47.46	54	-6.54
Cross Channel							
11440	47.01	PK	H	14.08	61.09	74	-12.91
11440	32.89	AV	H	14.08	46.97	54	-7.03
11440	46.54	PK	V	14.08	60.62	74	-13.38
11440	32.62	AV	V	14.08	46.70	54	-7.30

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
802.11n40							
Low Channel							
11020	45.55	PK	H	13.89	59.44	74	-14.56
11020	31.21	AV	H	13.89	45.1	54	-8.9
11020	45.17	PK	V	13.89	59.06	74	-14.94
11020	31.02	AV	V	13.89	44.91	54	-9.09
Middle Channel							
11100	46.24	PK	H	13.53	59.77	74	-14.23
11100	31.83	AV	H	13.53	45.36	54	-8.64
11100	45.91	PK	V	13.53	59.44	74	-14.56
11100	31.65	AV	V	13.53	45.18	54	-8.82
High Channel							
11340	46.89	PK	H	13.99	60.88	74	-13.12
11340	32.48	AV	H	13.99	46.47	54	-7.53
11340	46.54	PK	V	13.99	60.53	74	-13.47
11340	32.3	AV	V	13.99	46.29	54	-7.71
Cross Channel							
11420	46.05	PK	H	14.08	60.13	74	-13.87
11420	31.70	AV	H	14.08	45.78	54	-8.22
11420	45.68	PK	V	14.08	59.76	74	-14.24
11420	31.52	AV	V	14.08	45.60	54	-8.40

5725-5850MHz

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
802.11a							
Low Channel							
11490	46.15	PK	H	14.31	60.46	74	-13.54
11490	33.54	AV	H	14.31	47.85	54	-6.15
11490	45.66	PK	V	14.31	59.97	74	-14.03
11490	33.17	AV	V	14.31	47.48	54	-6.52
Middle Channel							
11570	46.78	PK	H	14.05	60.83	74	-13.17
11570	34.07	AV	H	14.05	48.12	54	-5.88
11570	46.32	PK	V	14.05	60.37	74	-13.63
11570	33.8	AV	V	14.05	47.85	54	-6.15
High Channel							
11650	47.39	PK	H	13.83	61.22	74	-12.78
11650	34.62	AV	H	13.83	48.45	54	-5.55
11650	46.84	PK	V	13.83	60.67	74	-13.33
11650	34.28	AV	V	13.83	48.11	54	-5.89
802.11n20							
Low Channel							
11490	46.3	PK	H	14.31	60.61	74	-13.39
11490	33.61	AV	H	14.31	47.92	54	-6.08
11490	45.79	PK	V	14.31	60.1	74	-13.9
11490	33.28	AV	V	14.31	47.59	54	-6.41
Middle Channel							
11570	46.82	PK	H	14.05	60.87	74	-13.13
11570	34.03	AV	H	14.05	48.08	54	-5.92
11570	46.36	PK	V	14.05	60.41	74	-13.59
11570	33.71	AV	V	14.05	47.76	54	-6.24
High Channel							
11650	47.27	PK	H	13.83	61.1	74	-12.9
11650	34.44	AV	H	13.83	48.27	54	-5.73
11650	46.75	PK	V	13.83	60.58	74	-13.42
11650	34.13	AV	V	13.83	47.96	54	-6.04

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/Ave					
802.11n40							
Low Channel							
11510	45.76	PK	H	14.29	60.05	74	-13.95
11510	31.88	AV	H	14.29	46.17	54	-7.83
11510	45.27	PK	V	14.29	59.56	74	-14.44
11510	31.54	AV	V	14.29	45.83	54	-8.17
High Channel							
11590	46.85	PK	H	13.97	60.82	74	-13.18
11590	33.19	AV	H	13.97	47.16	54	-6.84
11590	46.33	PK	V	13.97	60.3	74	-13.7
11590	32.9	AV	V	13.97	46.87	54	-7.13

Note:

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

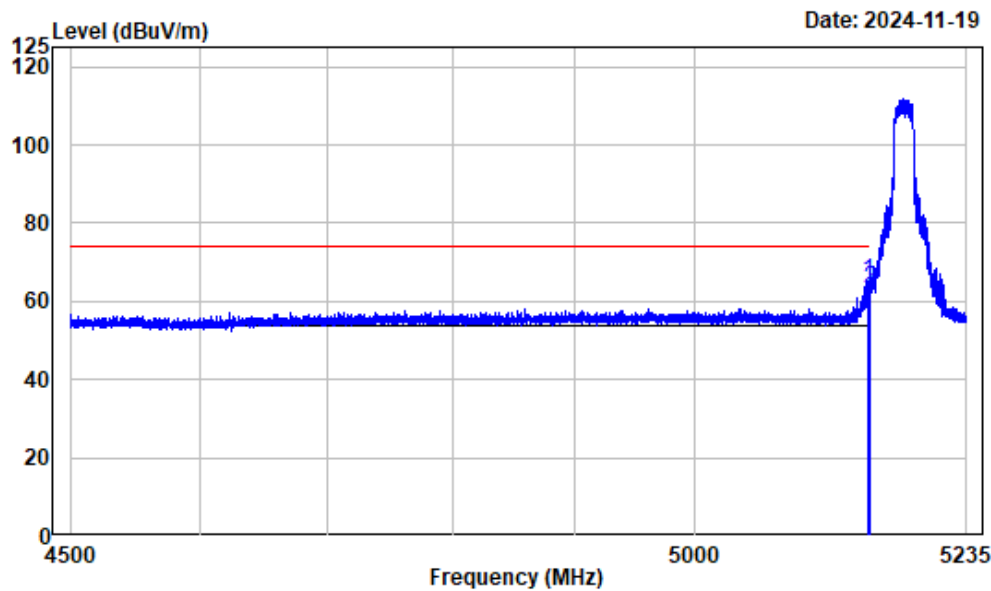
Corrected Amplitude = Factor + Reading

Margin = Corrected. Amplitude - Limit

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

Test plots:

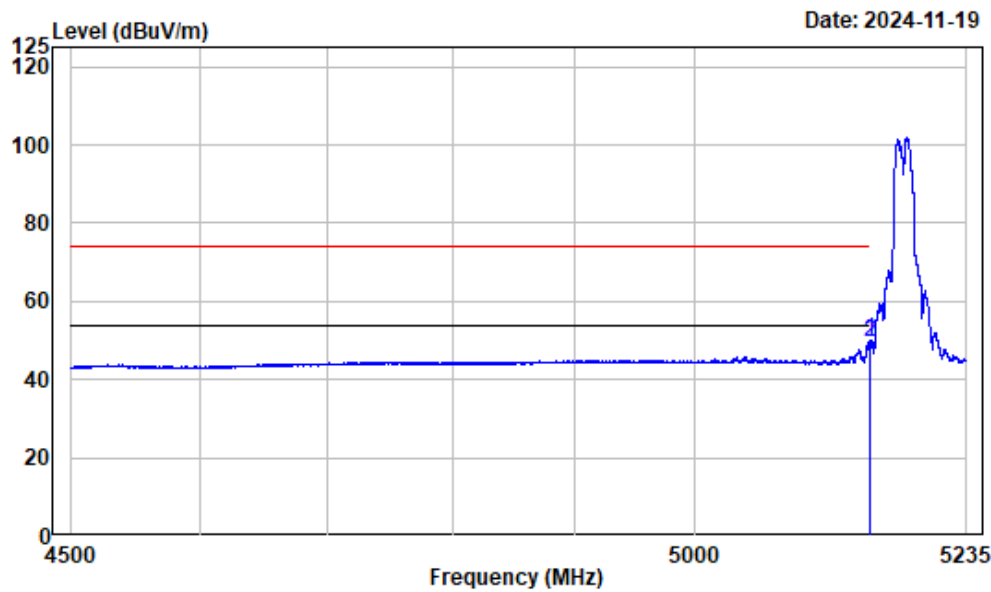
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.178	2.71	62.44	65.15	74.00	-8.85 Peak
2	5150.000	2.71	60.48	63.19	74.00	-10.81 Peak

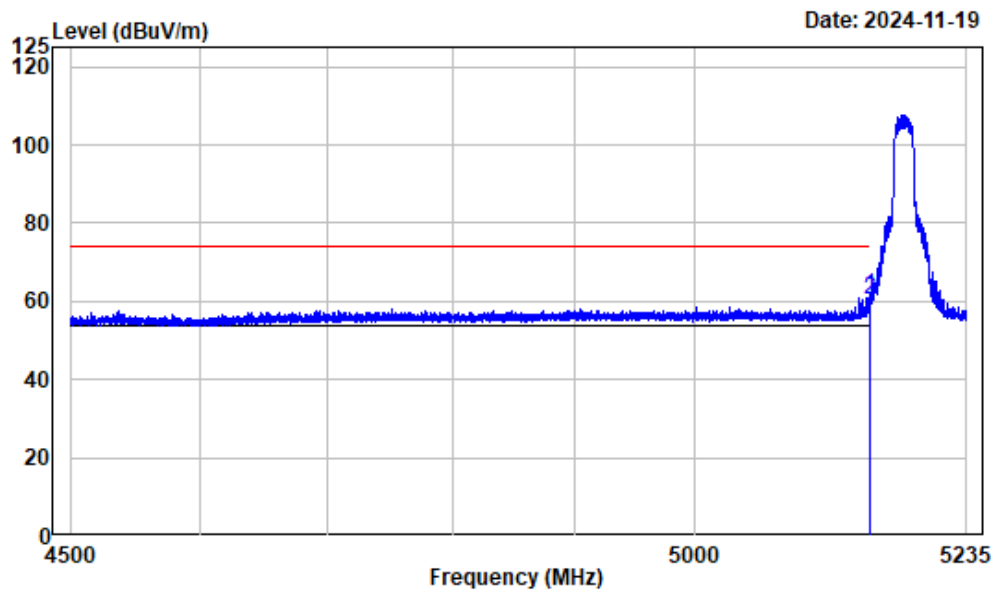
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.821	2.71	47.45	50.16	54.00	-3.84	Average
2	5150.000	2.71	46.80	49.51	54.00	-4.49	Average

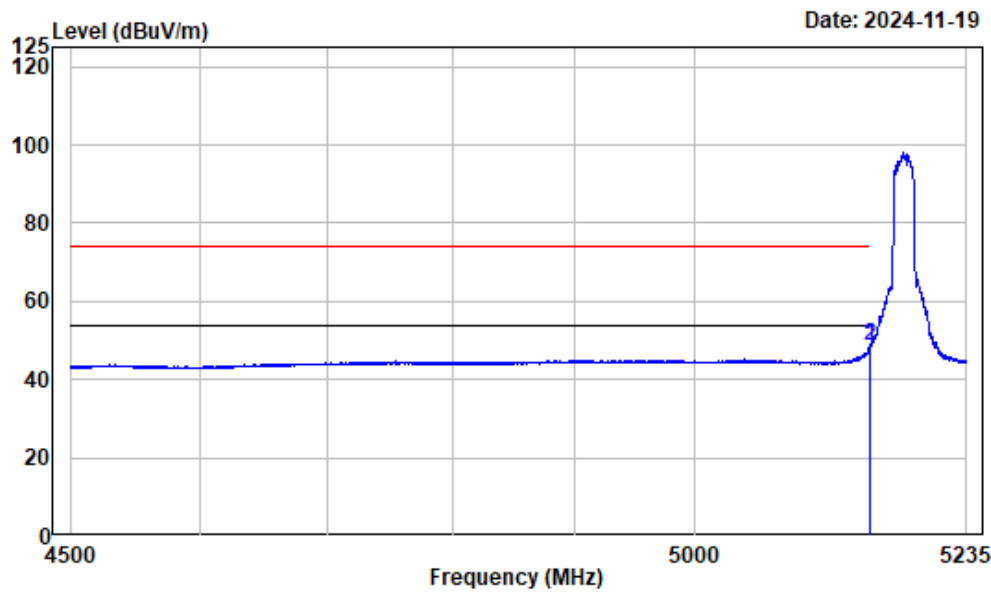
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.729	2.71	58.46	61.17	74.00	-12.83	Peak
2	5150.000	2.71	57.66	60.37	74.00	-13.63	Peak

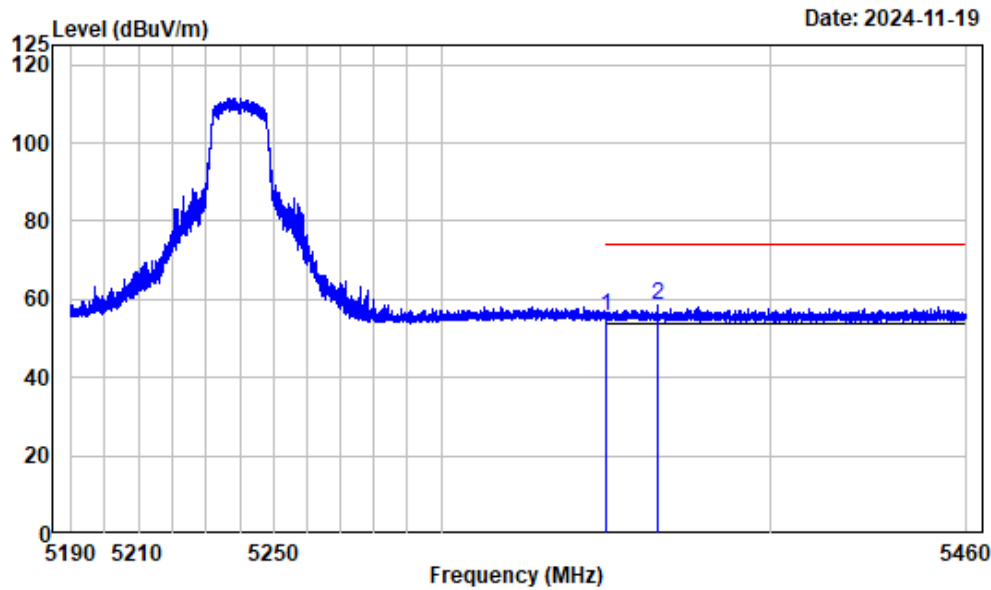
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.890	2.71	45.87	48.58	54.00	-5.42	Average
2	5150.000	2.71	45.76	48.47	54.00	-5.53	Average

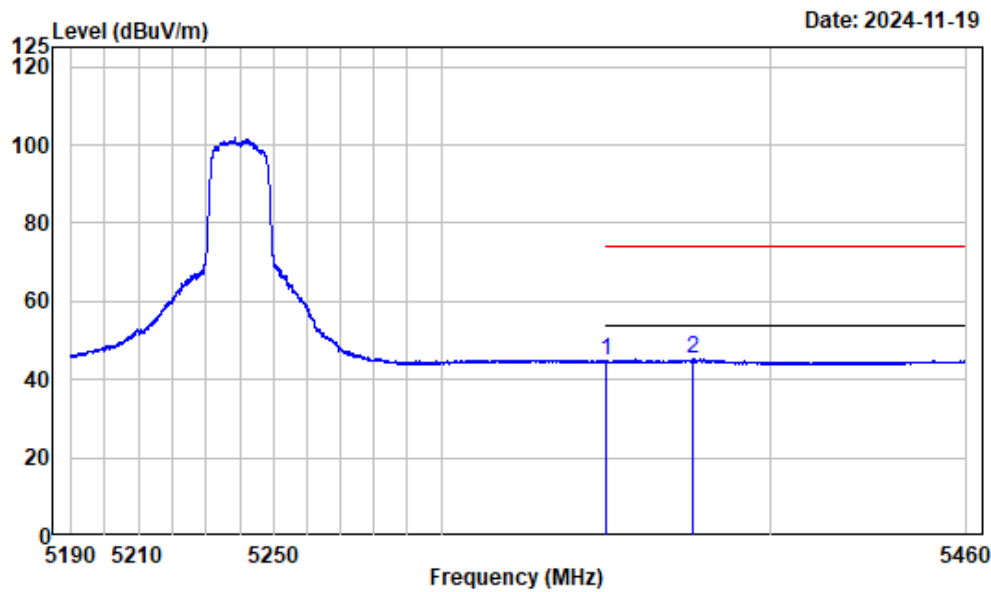
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.53	55.43	74.00	-18.57	Peak
2	5365.387	2.93	55.45	58.38	74.00	-15.62	Peak

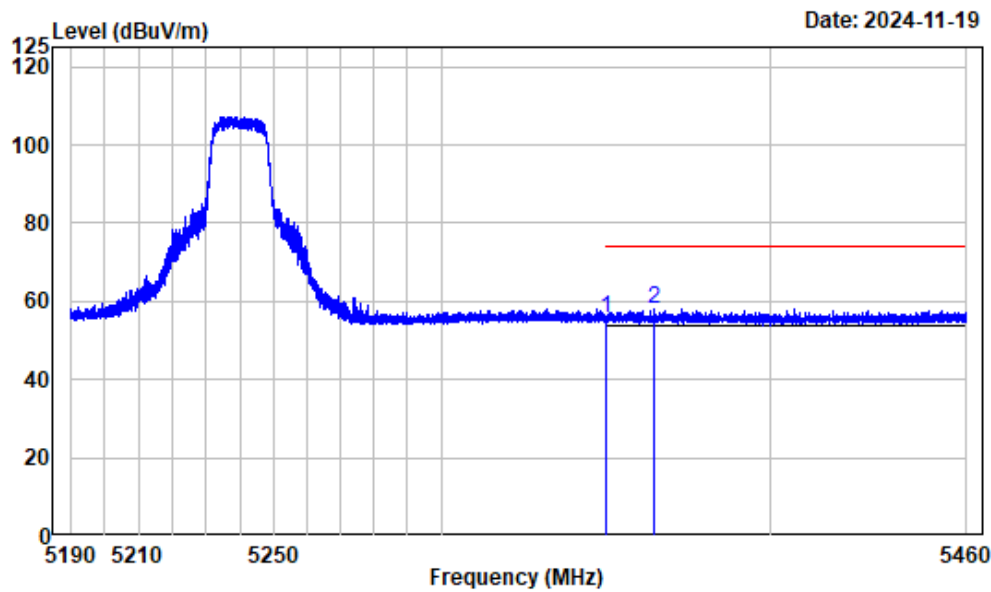
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.71	44.61	54.00	-9.39	Average
2	5376.020	2.95	42.31	45.26	54.00	-8.74	Average

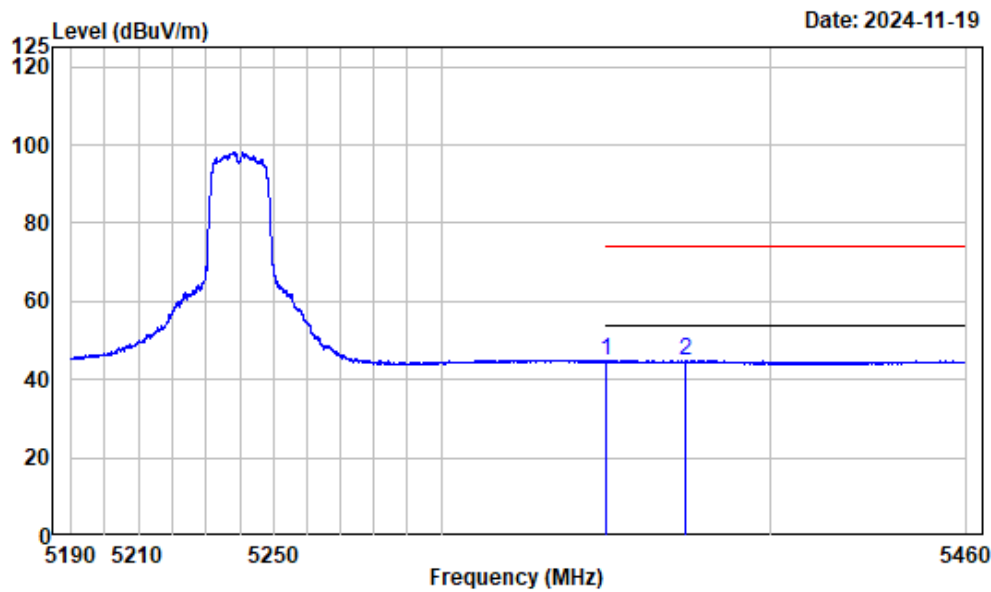
Right Band edge_Veritical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.90	55.80	74.00	-18.20	Peak
2	5364.070	2.93	55.07	58.00	74.00	-16.00	Peak

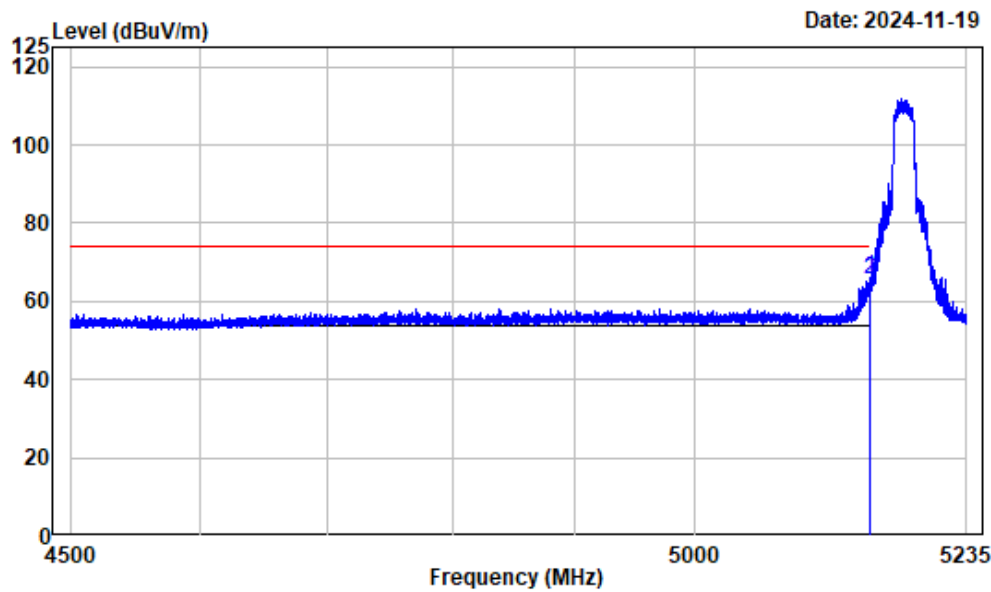
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.80	44.70	54.00	-9.30	Average
2	5373.927	2.95	41.97	44.92	54.00	-9.08	Average

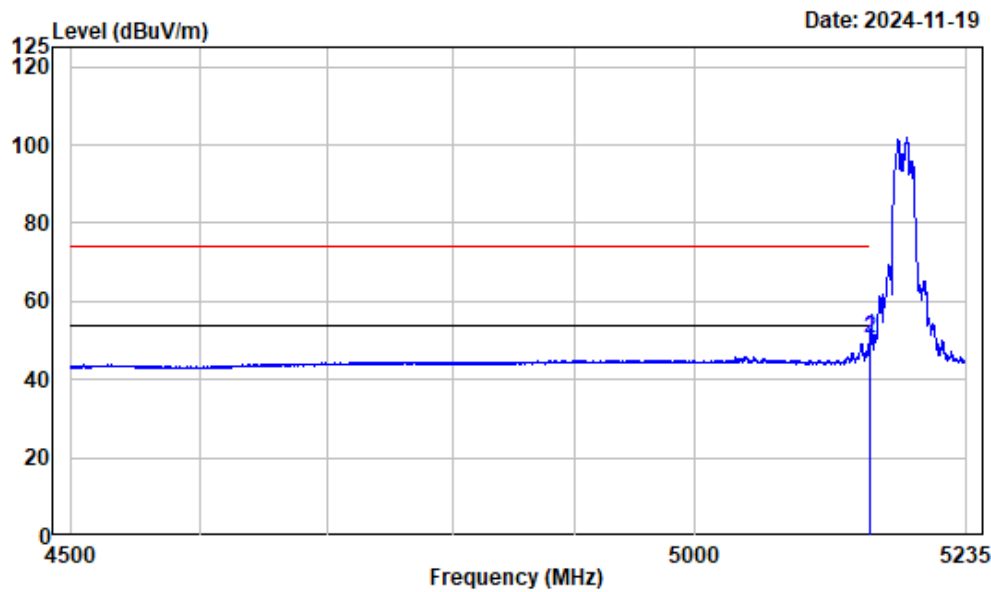
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.821	2.71	63.26	65.97	74.00	-8.03	Peak
2	5150.000	2.71	62.72	65.43	74.00	-8.57	Peak

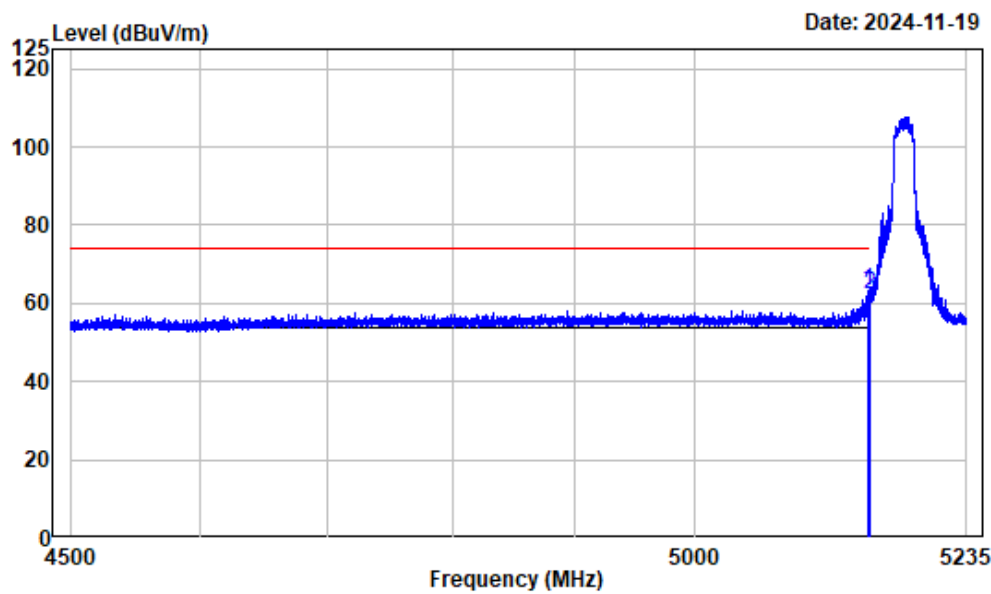
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.821	2.71	48.00	50.71	54.00	-3.29	Average
2	5150.000	2.71	47.73	50.44	54.00	-3.56	Average

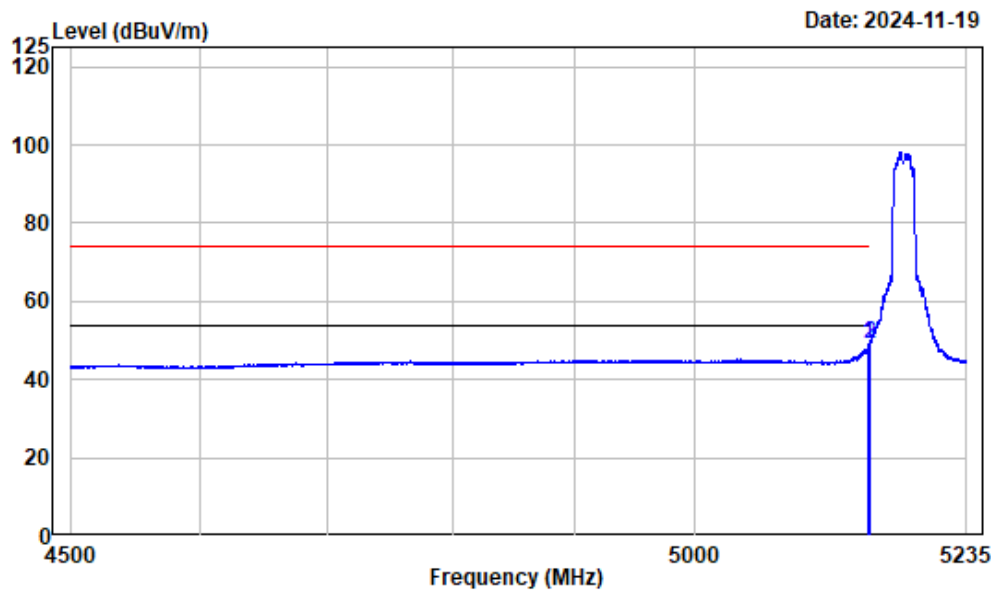
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.454	2.71	60.29	63.00	74.00	-11.00	Peak
2	5150.000	2.71	59.72	62.43	74.00	-11.57	Peak

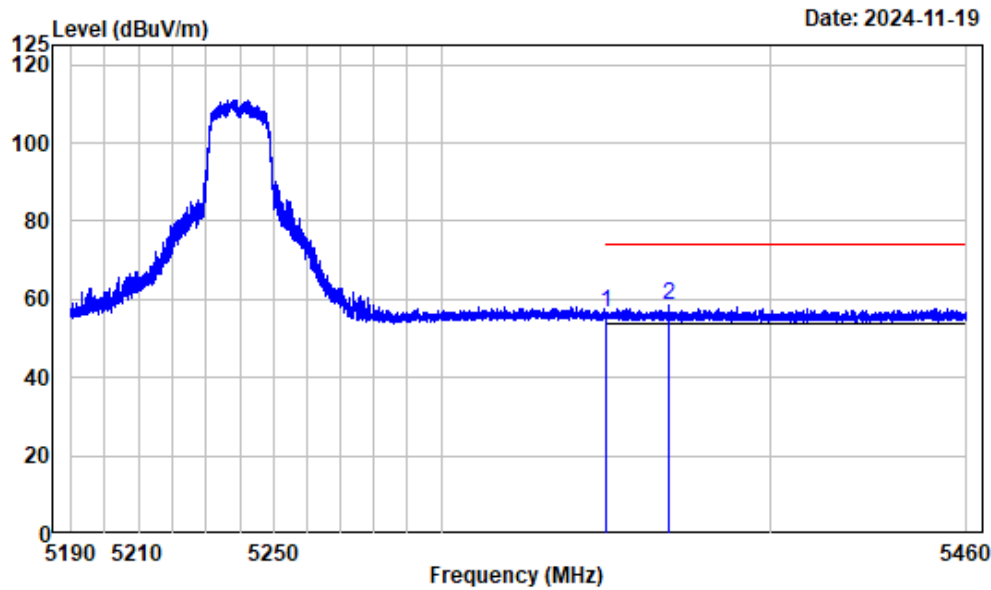
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.178	2.71	46.53	49.24	54.00	-4.76	Average
2	5150.000	2.71	46.26	48.97	54.00	-5.03	Average

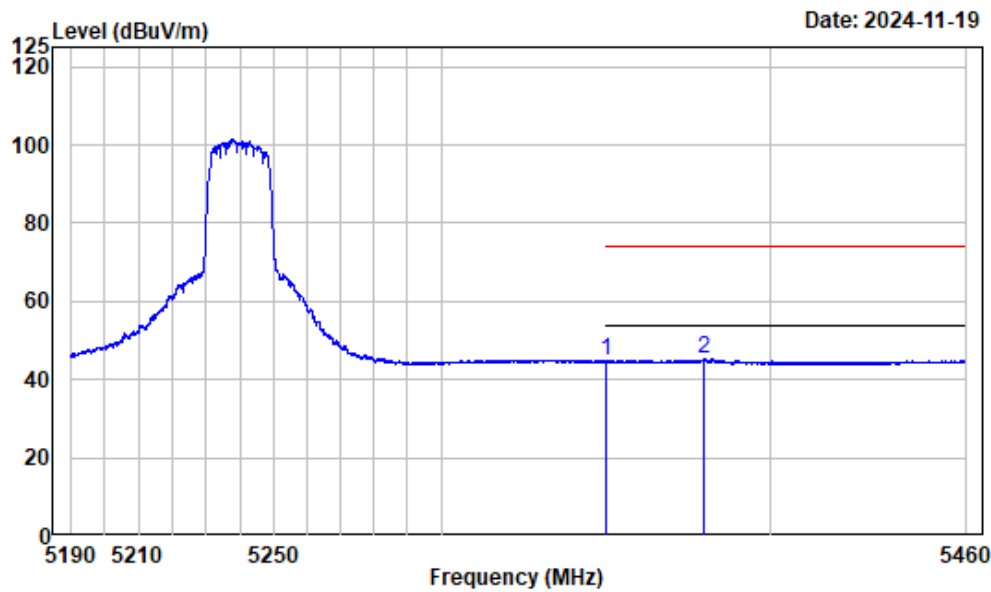
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.59	56.49	74.00	-17.51	Peak
2	5368.594	2.94	55.74	58.68	74.00	-15.32	Peak

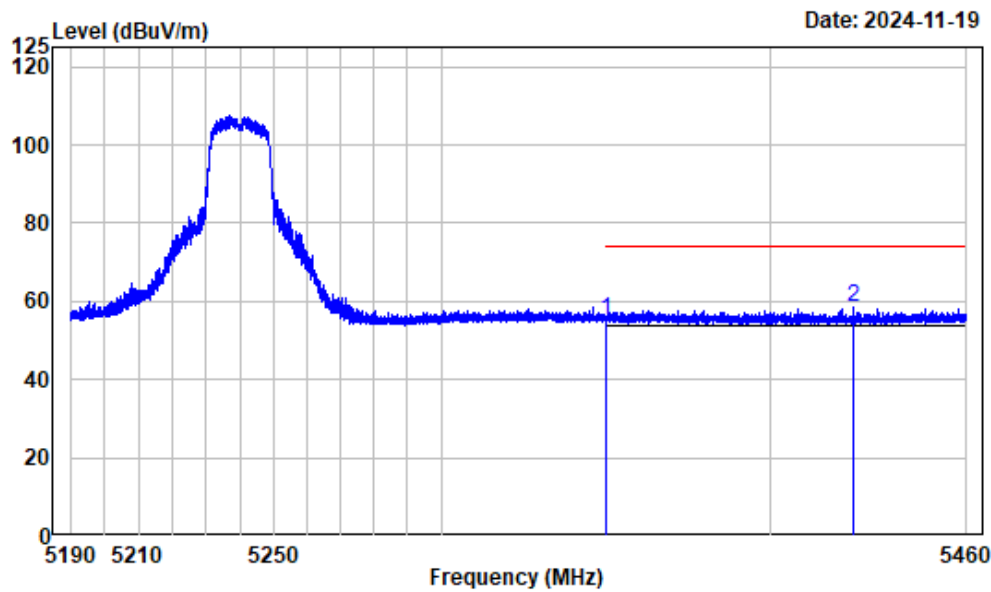
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.76	44.66	54.00	-9.34	Average
2	5379.563	2.95	42.34	45.29	54.00	-8.71	Average

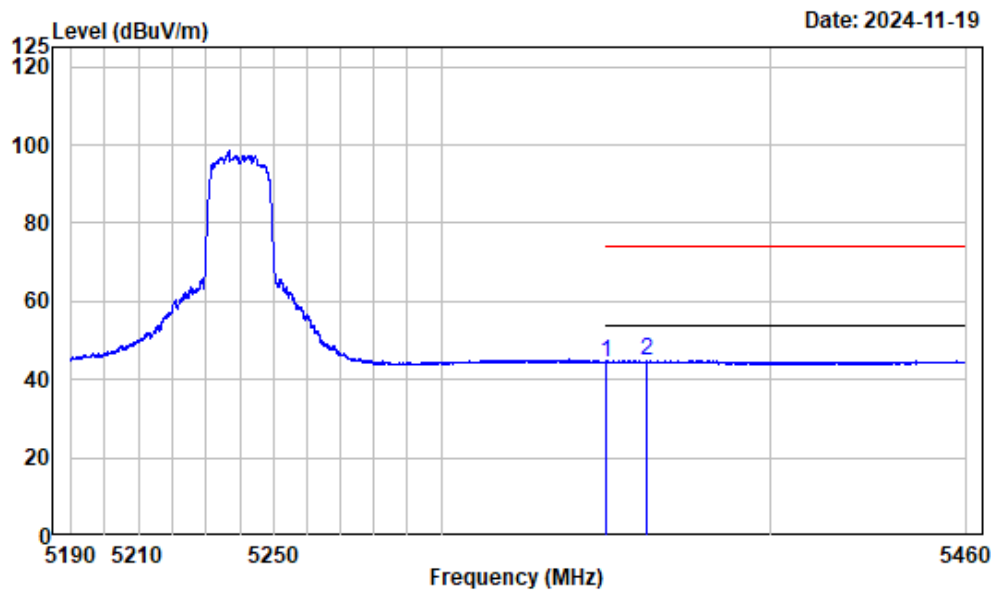
Right Band edge_Veritical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.40	55.30	74.00	-18.70	Peak
2	5425.402	3.02	55.38	58.40	74.00	-15.60	Peak

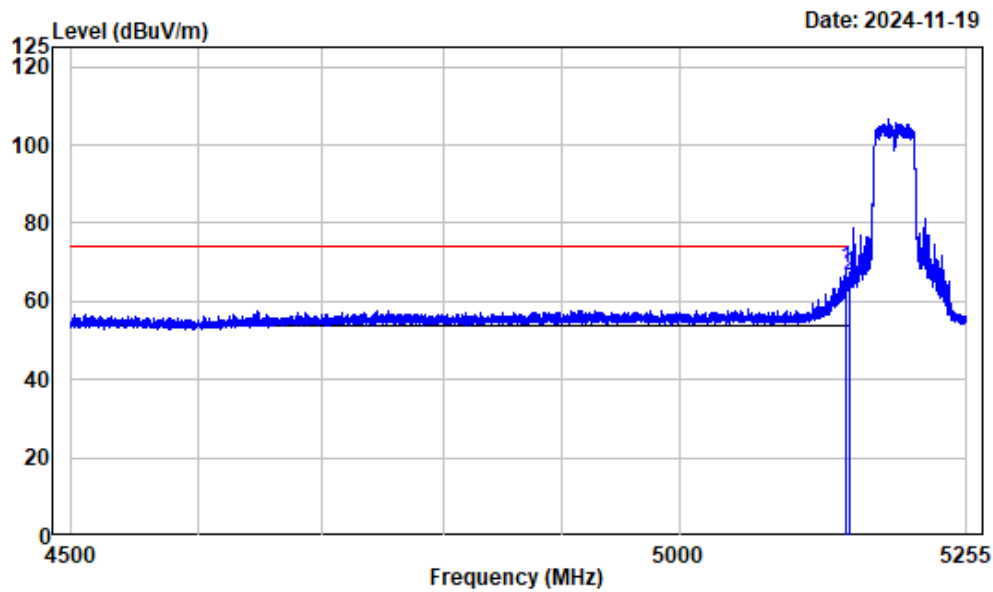
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.55	44.45	54.00	-9.55	Average
2	5362.045	2.92	41.84	44.76	54.00	-9.24	Average

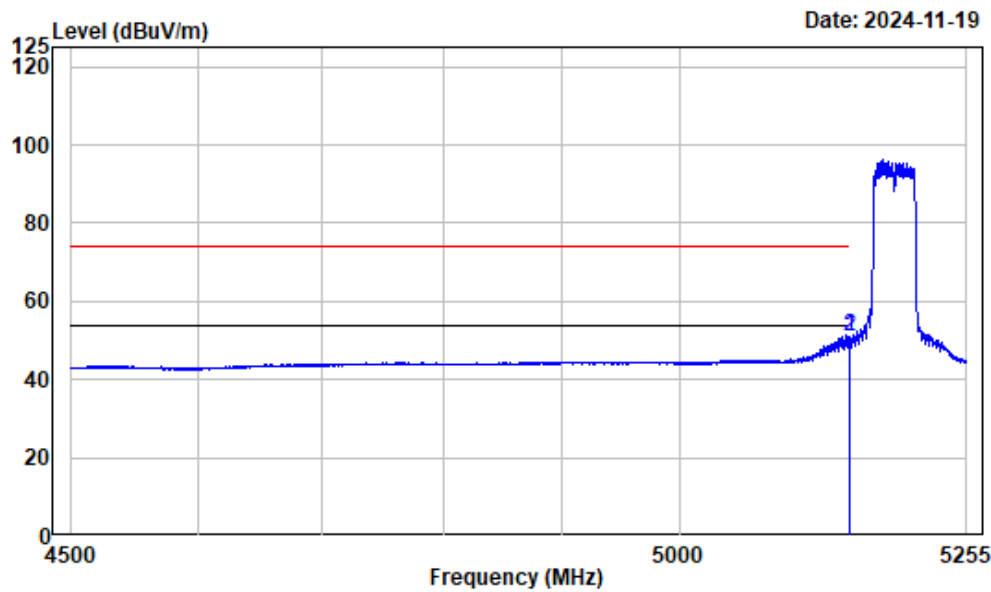
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5147.210	2.70	65.47	68.17	74.00	-5.83	Peak
2	5150.000	2.71	63.85	66.56	74.00	-7.44	Peak

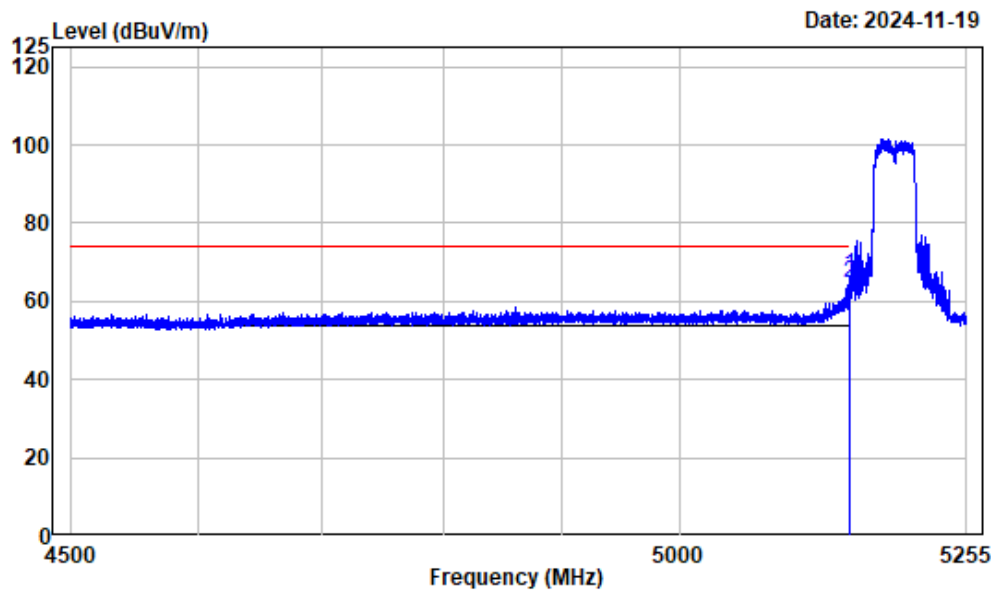
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	2.71	48.19	50.90	54.00	-3.10	Average
2	5150.000	2.71	48.02	50.73	54.00	-3.27	Average

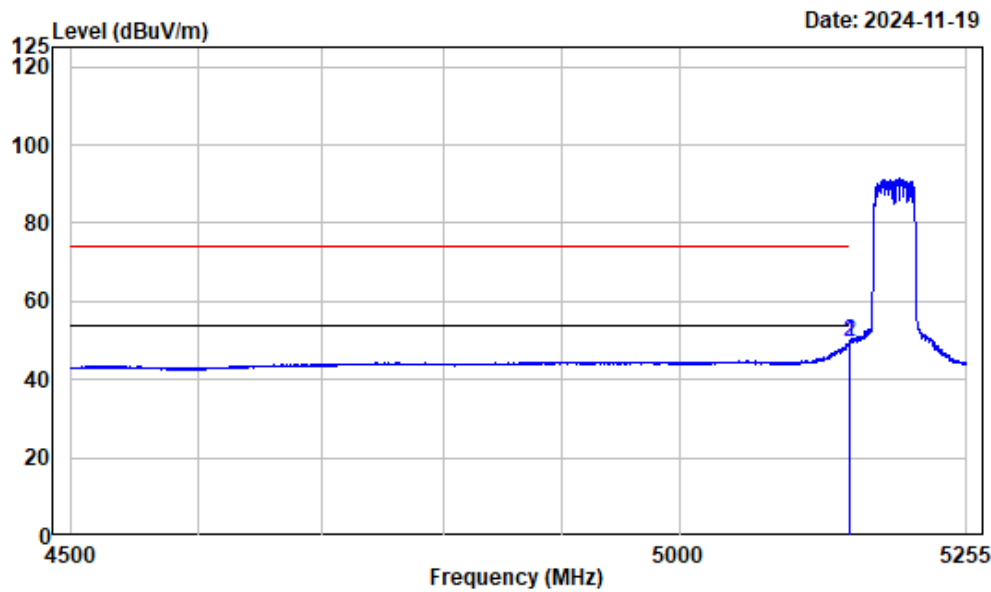
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
1	2	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.570	2.71	63.79	66.50	74.00	-7.50	Peak
2	5150.000	2.71	61.69	64.40	74.00	-9.60	Peak

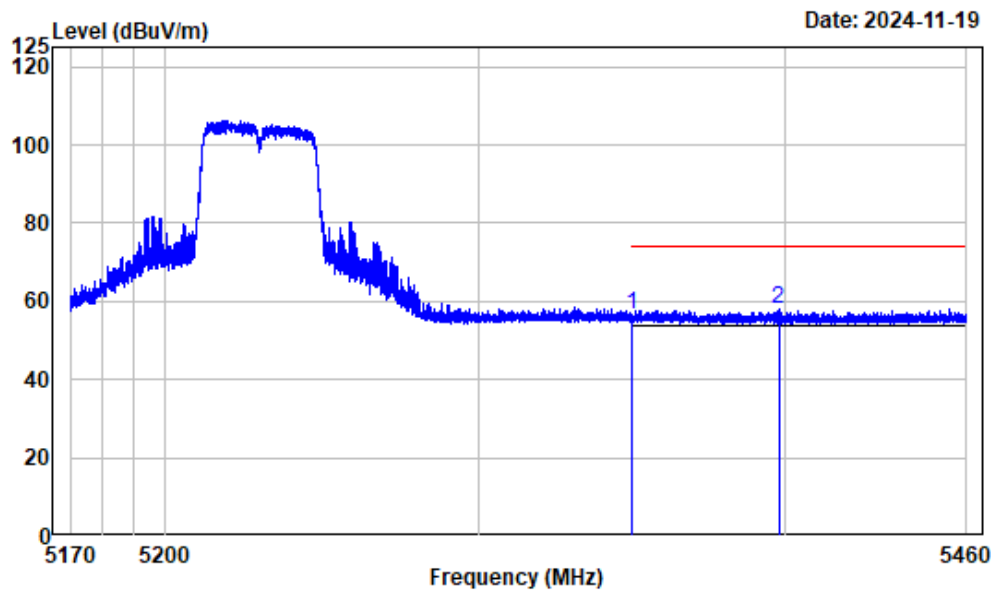
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.853	2.71	47.01	49.72	54.00	-4.28	Average
2	5150.000	2.71	46.86	49.57	54.00	-4.43	Average

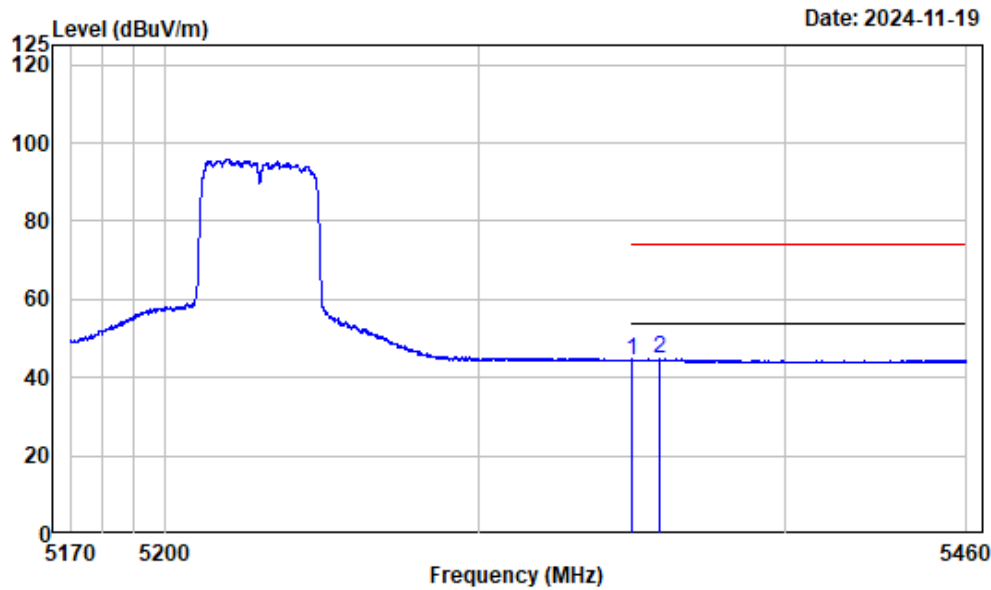
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.48	56.38	74.00	-17.62	Peak
2	5397.896	2.98	55.12	58.10	74.00	-15.90	Peak

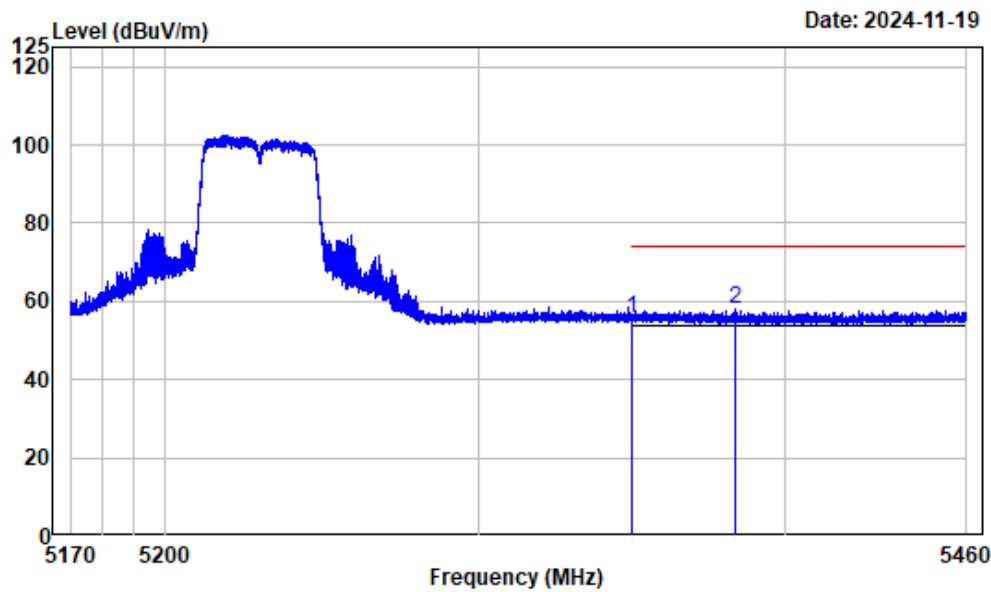
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.51	44.41	54.00	-9.59	Average
2	5358.741	2.93	41.73	44.66	54.00	-9.34	Average

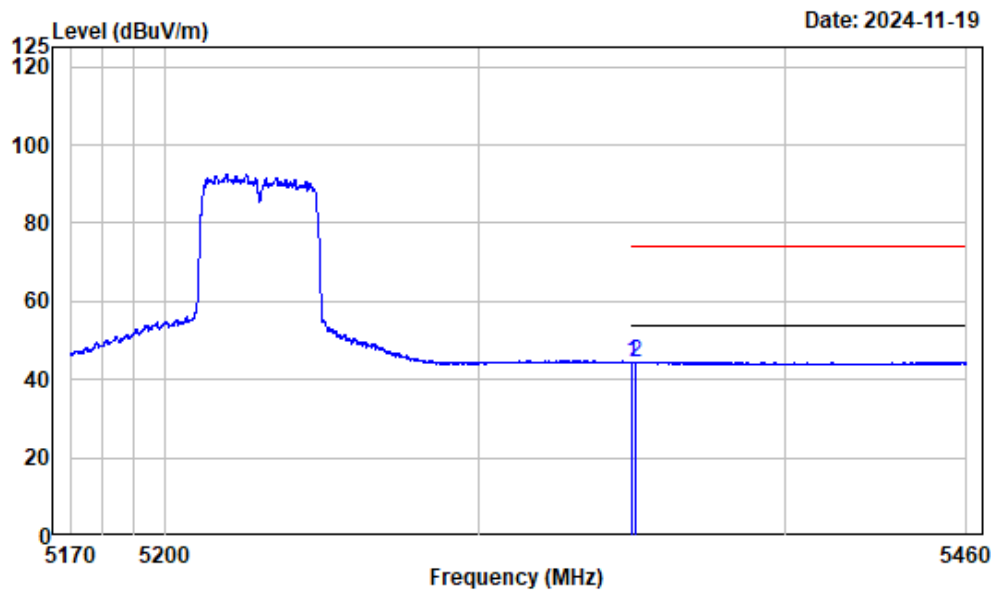
Right Band edge_Veritical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.75	55.65	74.00	-18.35	Peak
2	5383.503	2.97	54.96	57.93	74.00	-16.07	Peak

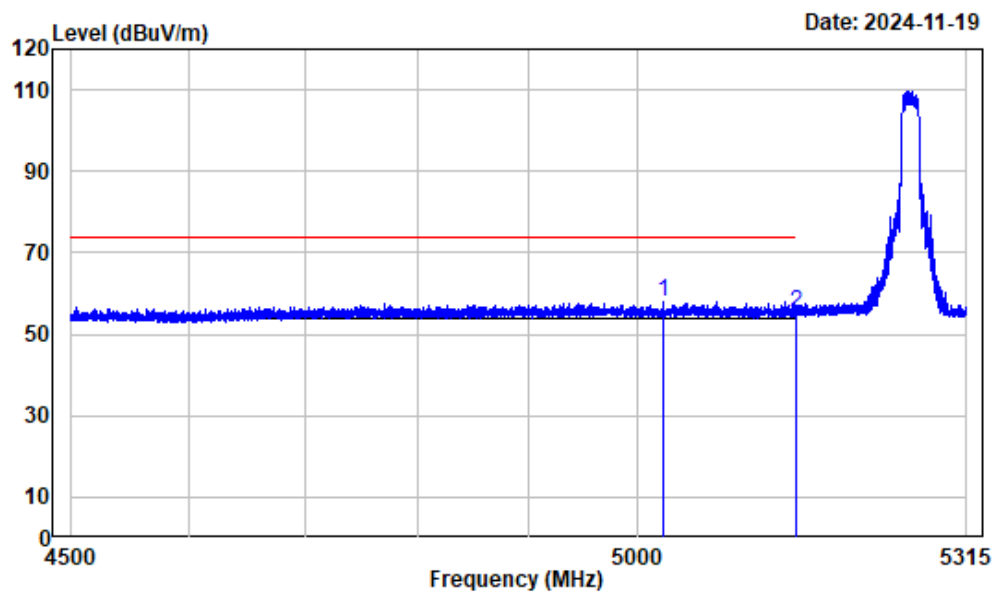
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.42	44.32	54.00	-9.68	Average
2	5350.874	2.90	41.60	44.50	54.00	-9.50	Average

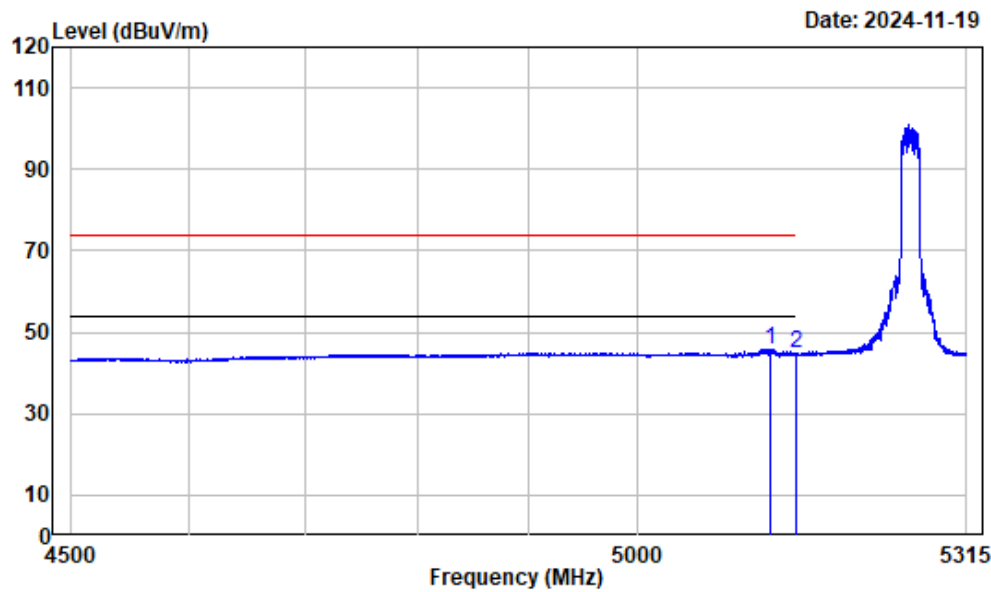
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5260

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5024.212	2.96	55.10	58.06	74.00	-15.94	Peak
2	5150.000	2.71	52.69	55.40	74.00	-18.60	Peak

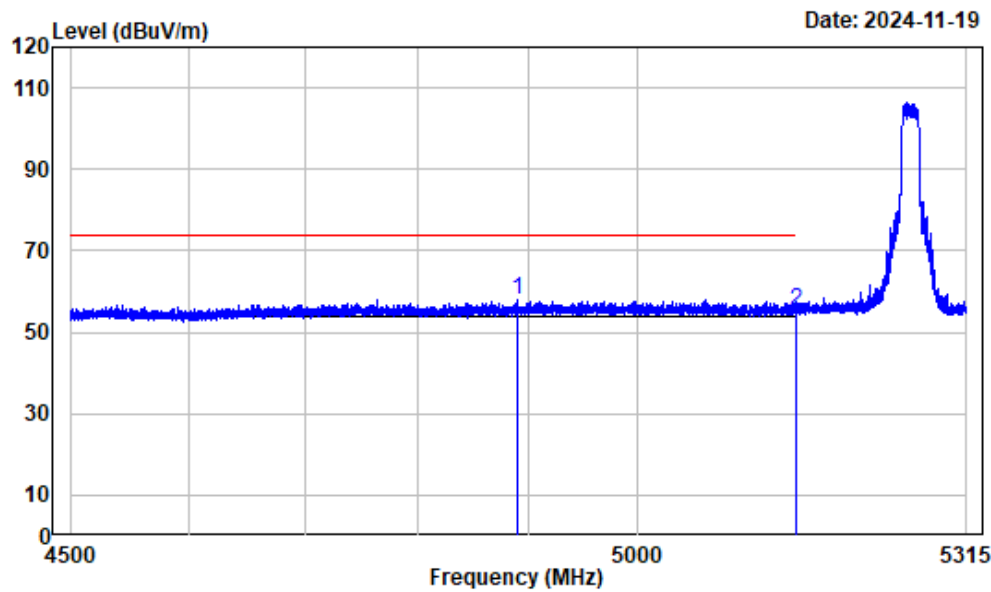
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5260

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5125.692	2.71	43.18	45.89	54.00	-8.11	Average
2	5150.000	2.71	42.02	44.73	54.00	-9.27	Average

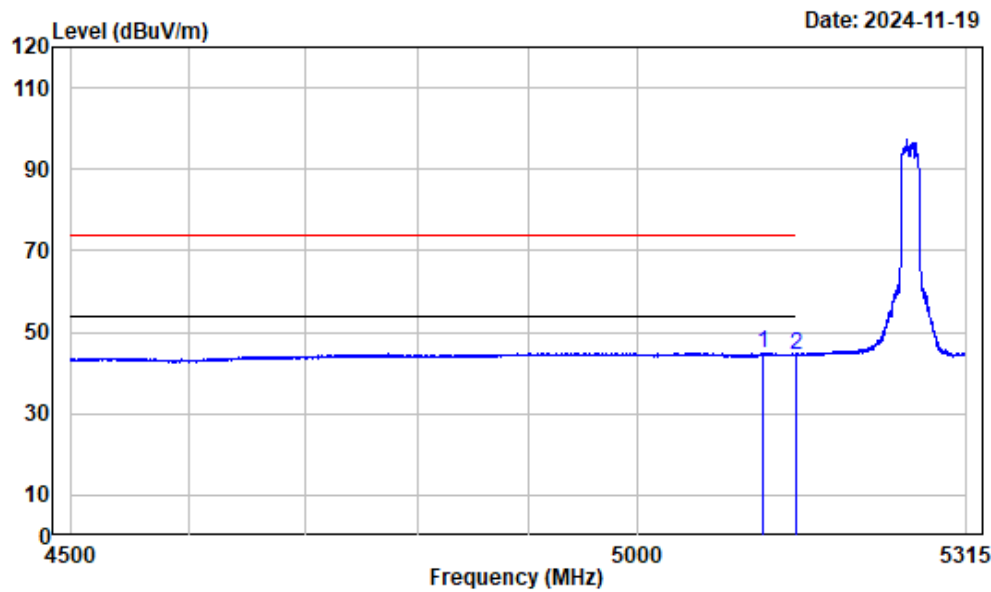
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5260

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4890.026	2.61	55.41	58.02	74.00	-15.98	Peak
2	5150.000	2.71	52.31	55.02	74.00	-18.98	Peak

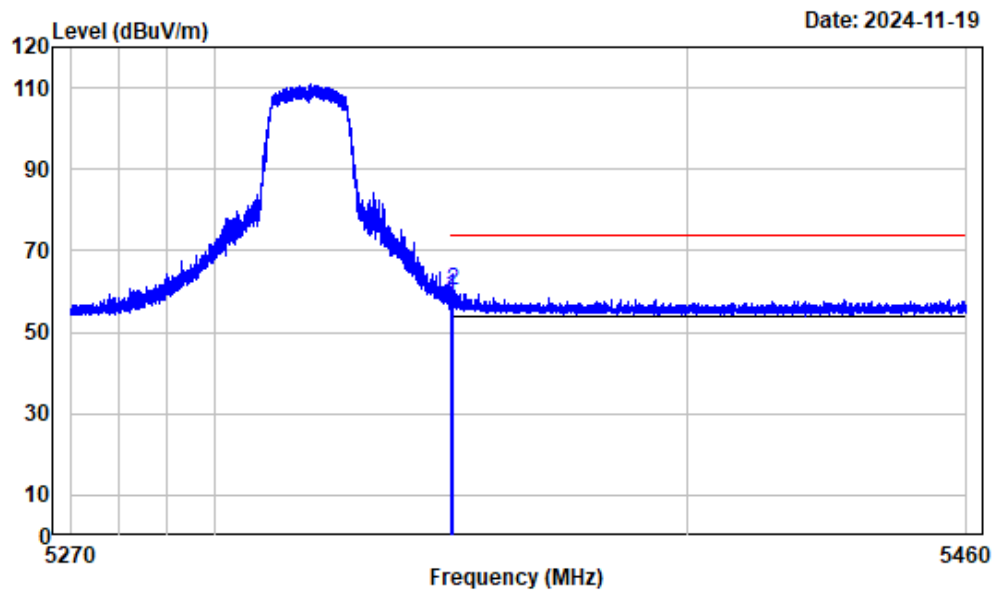
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5260

		Read		Limit	Over	Remark
Freq		Factor	Level	Level	Line	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	5118.561	2.72	42.30	45.02	54.00	-8.98 Average
2	5150.000	2.71	41.67	44.38	54.00	-9.62 Average

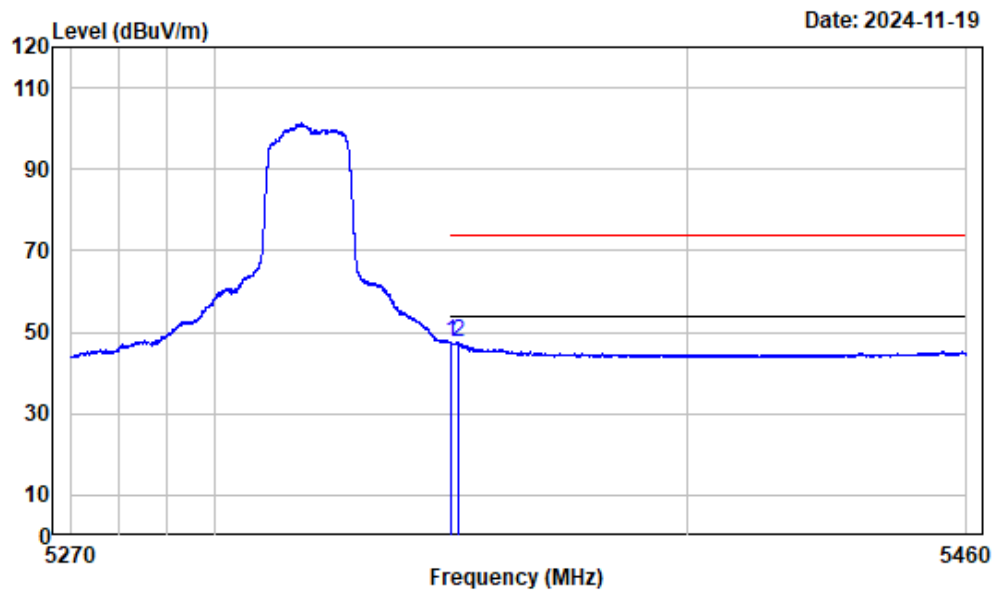
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	55.78	58.68	74.00	-15.32	Peak
2	5350.143	2.90	57.28	60.18	74.00	-13.82	Peak

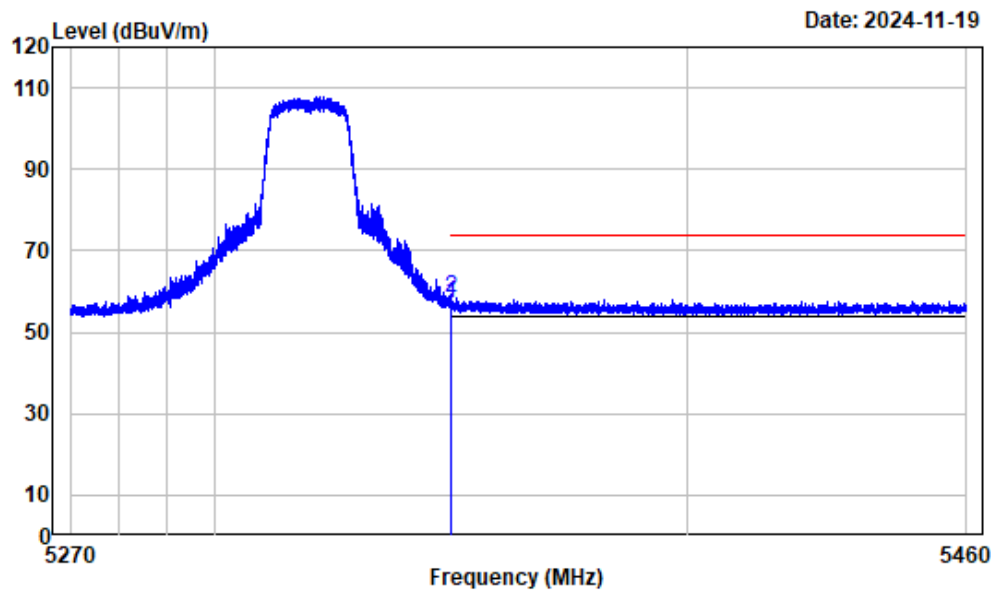
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	44.54	47.44	54.00	-6.56	Average
2	5351.283	2.90	44.62	47.52	54.00	-6.48	Average

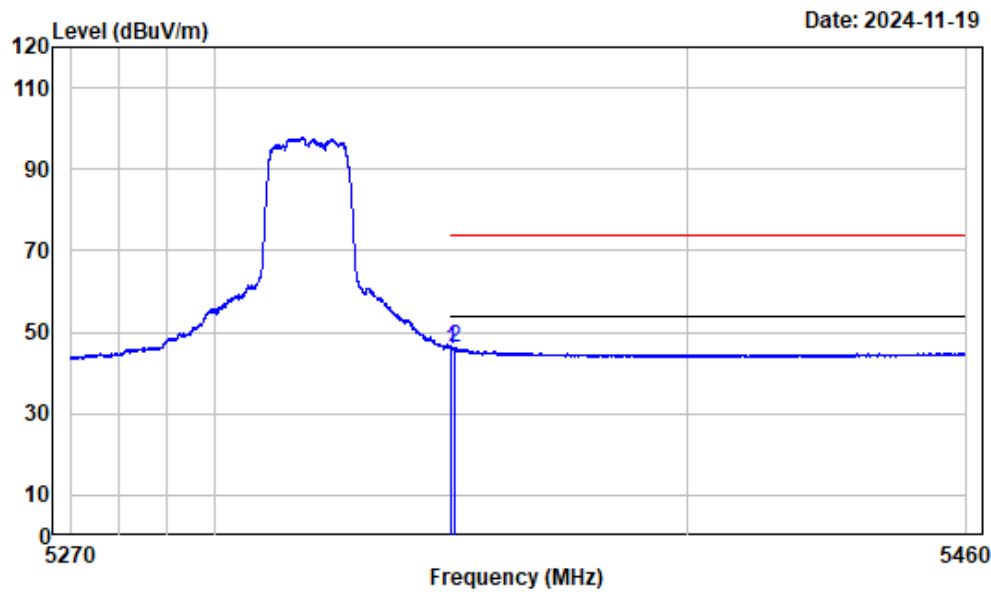
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

	Freq	Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	54.04	56.94	74.00	-17.06	Peak
2	5350.047	2.90	55.71	58.61	74.00	-15.39	Peak

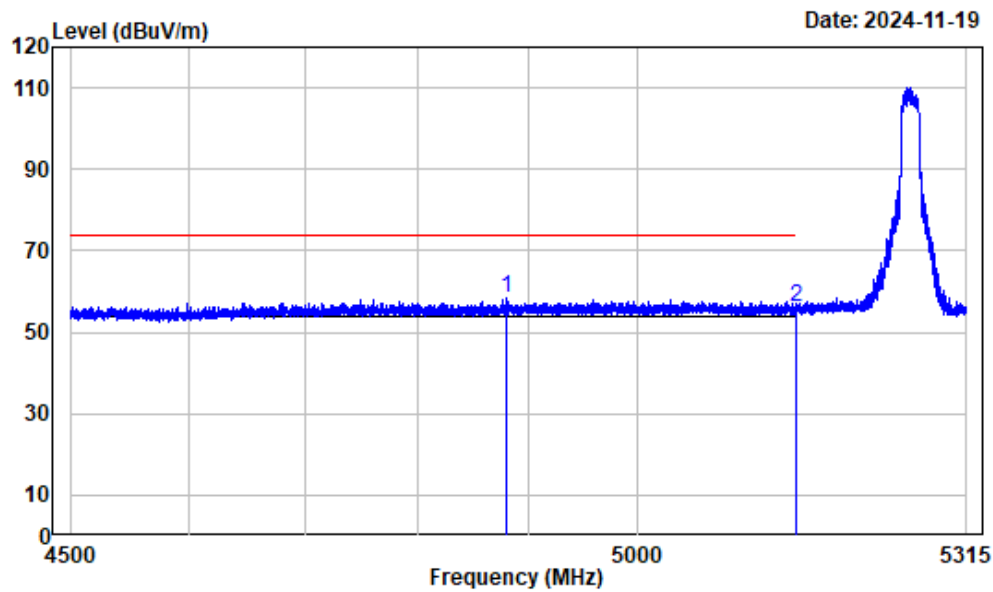
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	42.95	45.85	54.00	-8.15	Average
2	5350.522	2.90	43.39	46.29	54.00	-7.71	Average

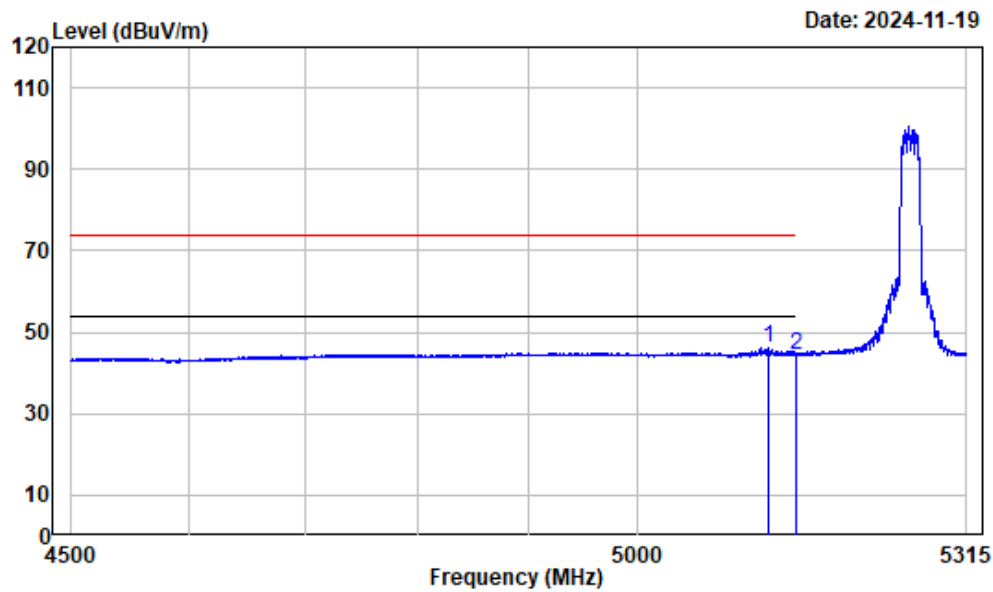
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5260

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4880.347	2.58	55.71	58.29	74.00	-15.71	Peak
2	5150.000	2.71	53.32	56.03	74.00	-17.97	Peak

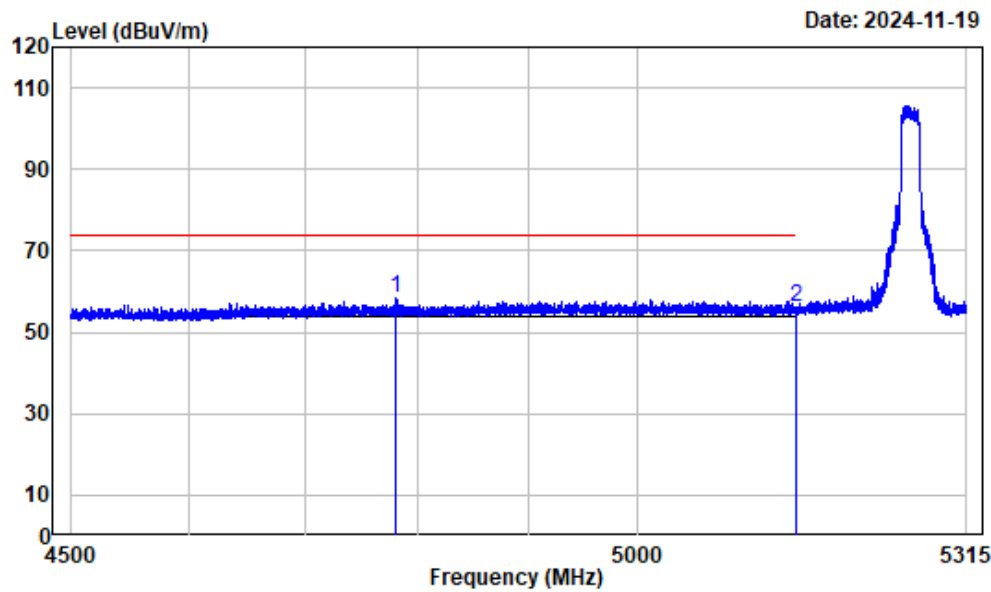
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5260

		Read		Limit	Over	Remark
Freq		Factor	Level	Level	Line	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	5122.738	2.71	43.29	46.00	54.00	-8.00 Average
2	5150.000	2.71	41.61	44.32	54.00	-9.68 Average

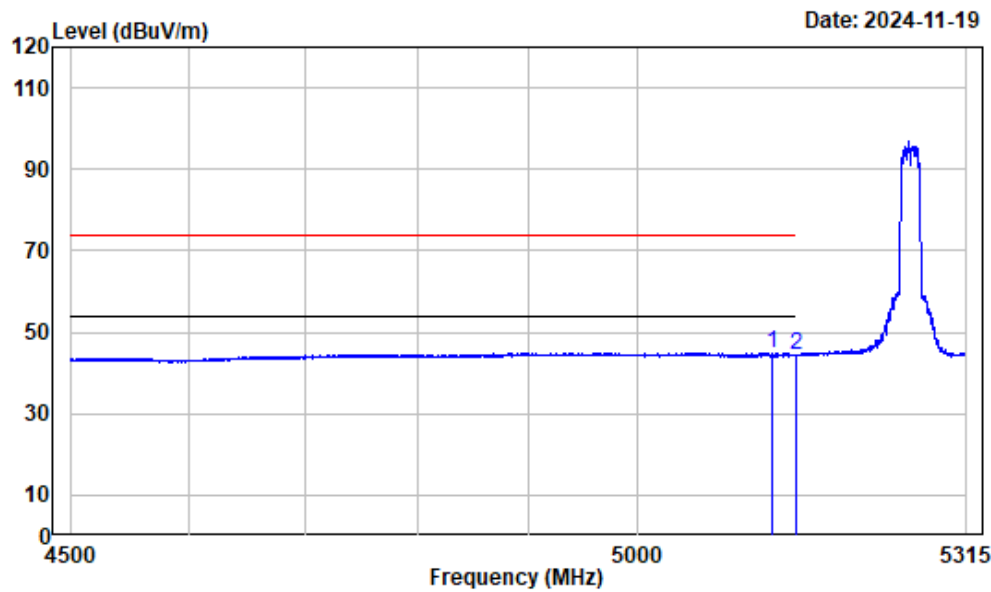
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5260

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4779.784	2.44	55.75	58.19	74.00	-15.81	Peak
2	5150.000	2.71	53.57	56.28	74.00	-17.72	Peak

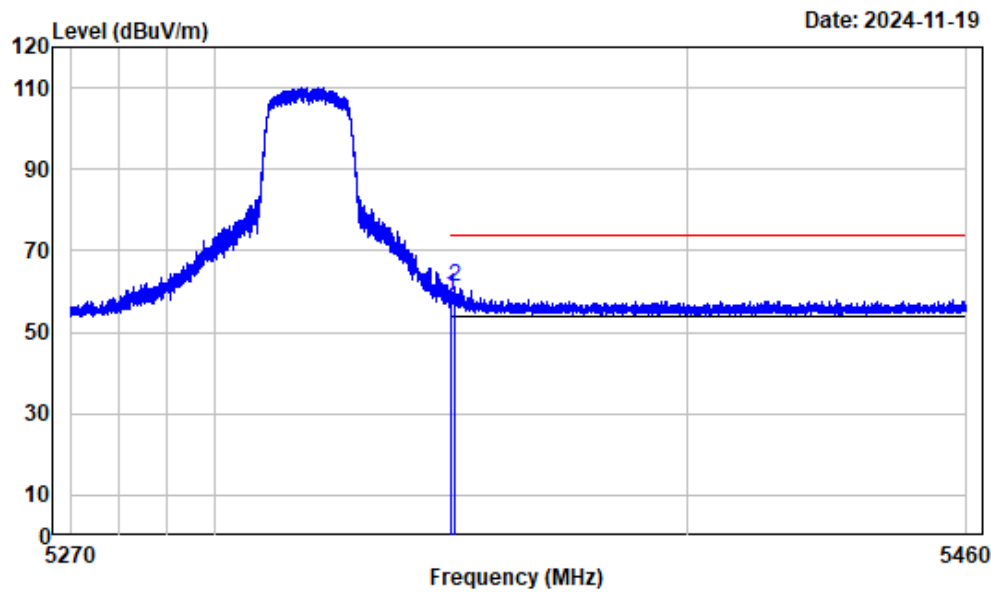
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5260

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5127.221	2.71	42.21	44.92	54.00	-9.08	Average
2	5150.000	2.71	41.63	44.34	54.00	-9.66	Average

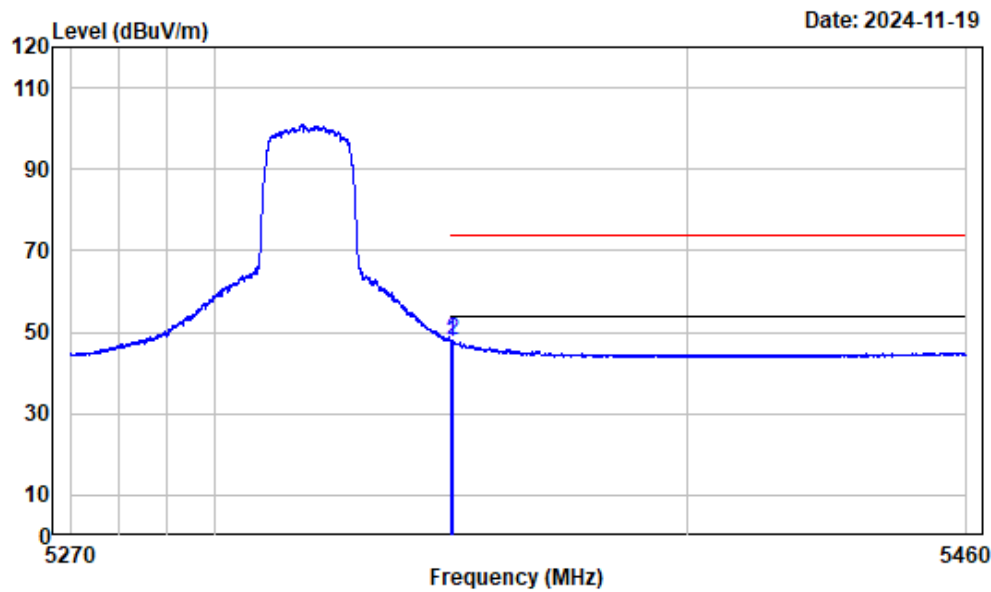
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	55.93	58.83	74.00	-15.17	Peak
2	5350.546	2.90	58.11	61.01	74.00	-12.99	Peak

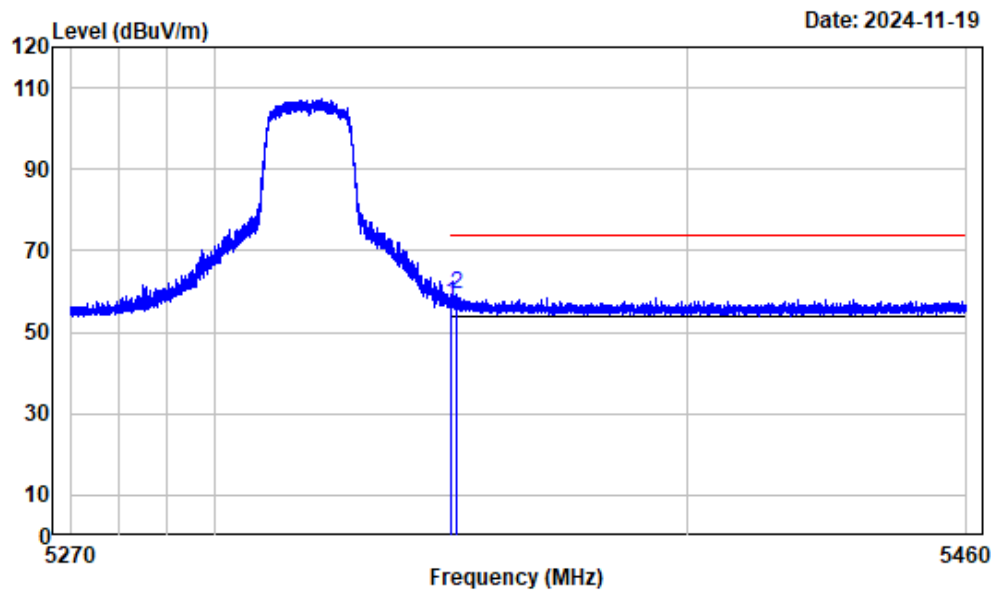
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	44.73	47.63	54.00	-6.37	Average
2	5350.119	2.90	44.94	47.84	54.00	-6.16	Average

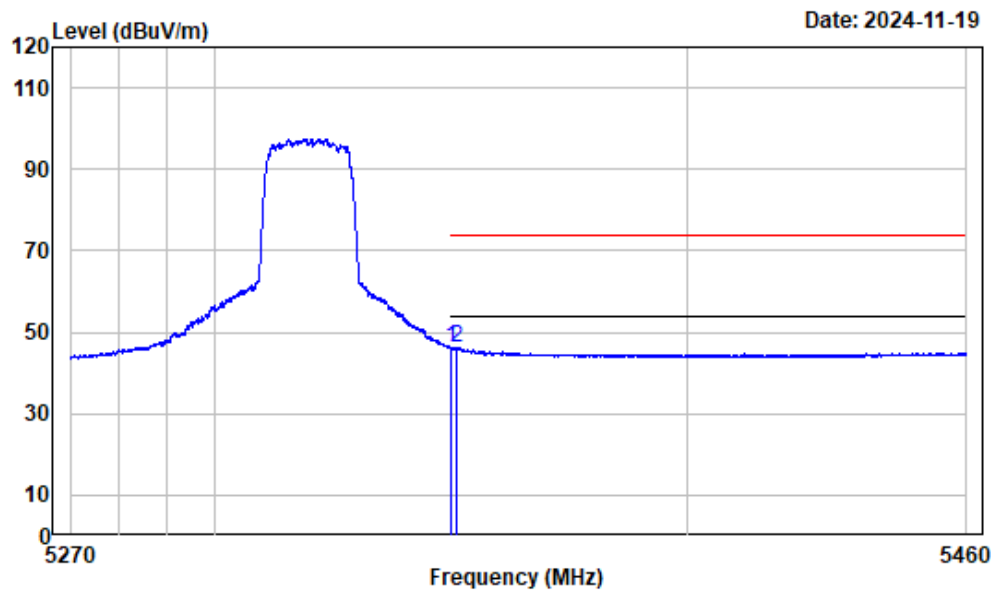
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	54.05	56.95	74.00	-17.05	Peak
2	5351.188	2.90	56.30	59.20	74.00	-14.80	Peak

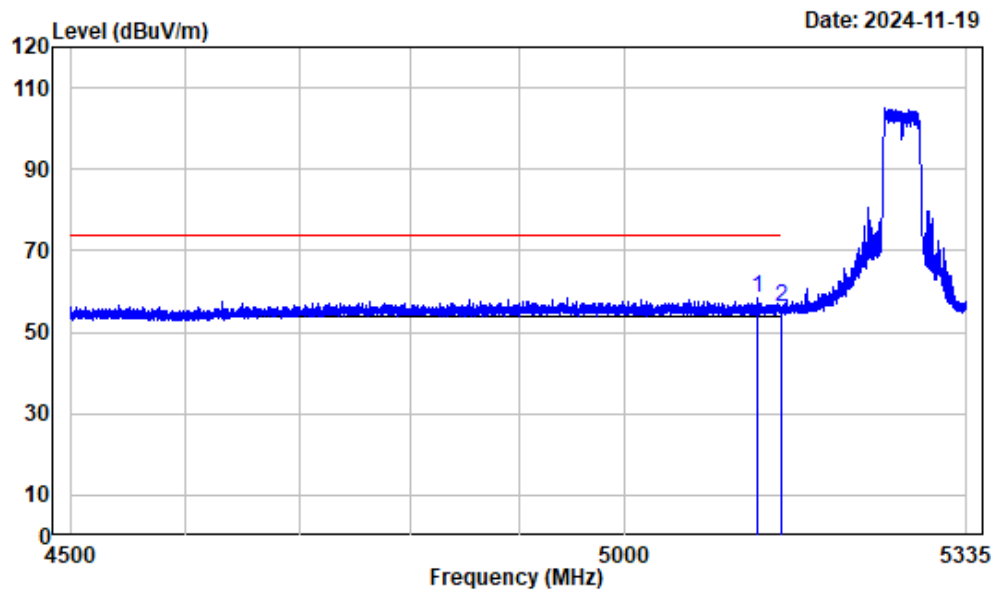
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	43.16	46.06	54.00	-7.94	Average
2	5350.950	2.90	43.38	46.28	54.00	-7.72	Average

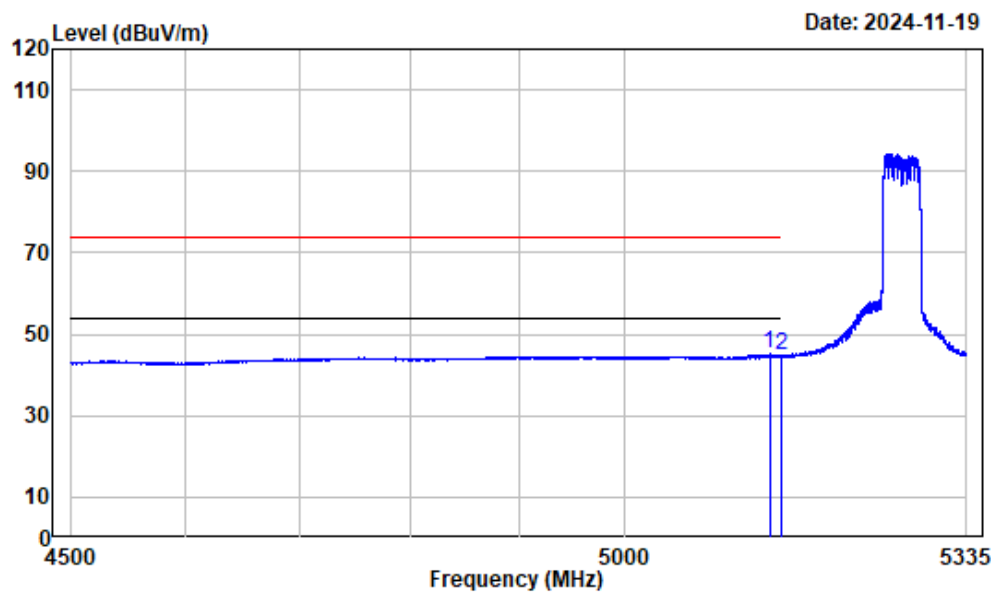
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5270

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5127.268	2.71	55.66	58.37	74.00	-15.63	Peak
2	5150.000	2.71	53.48	56.19	74.00	-17.81	Peak

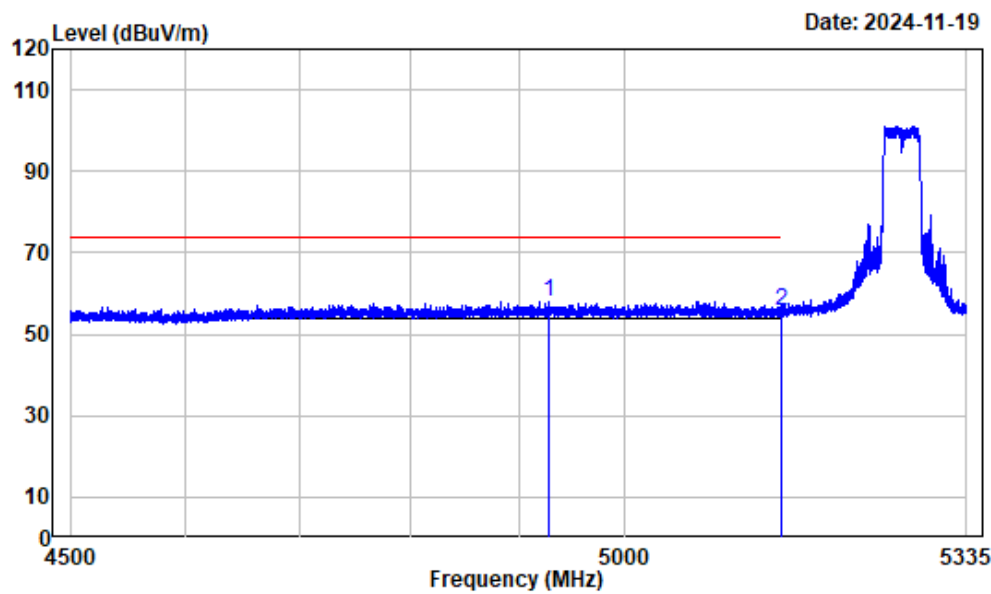
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5270

		Read		Limit	Over	Remark
Freq		Factor	Level	Level	Line	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	5139.063	2.71	42.38	45.09	54.00	-8.91 Average
2	5150.000	2.71	42.01	44.72	54.00	-9.28 Average

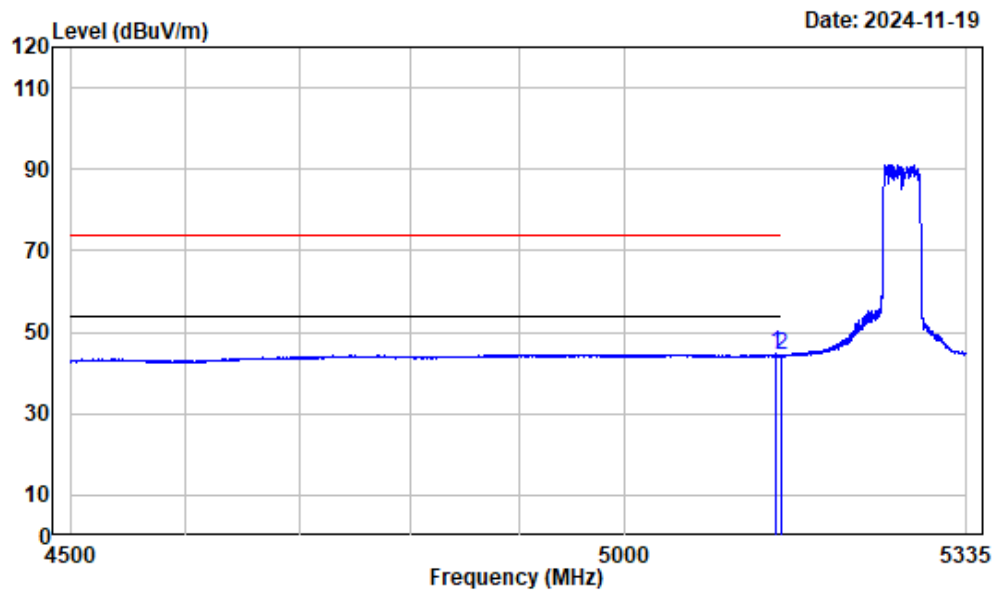
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5270

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4928.409	2.62	55.48	58.10	74.00	-15.90	Peak
2	5150.000	2.71	53.20	55.91	74.00	-18.09	Peak

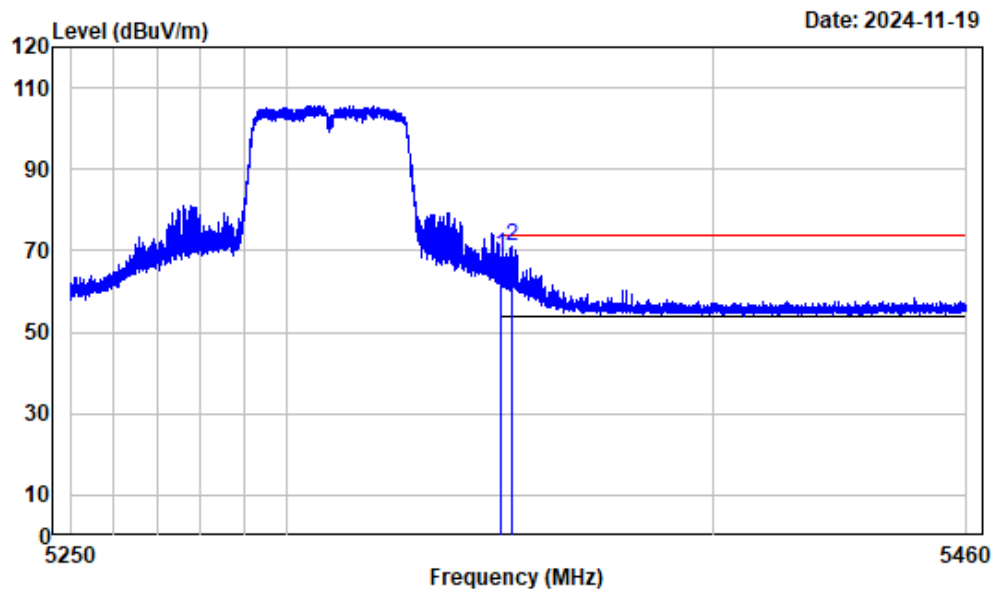
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5270

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5146.058	2.70	41.93	44.63	54.00	-9.37	Average
2	5150.000	2.71	41.63	44.34	54.00	-9.66	Average

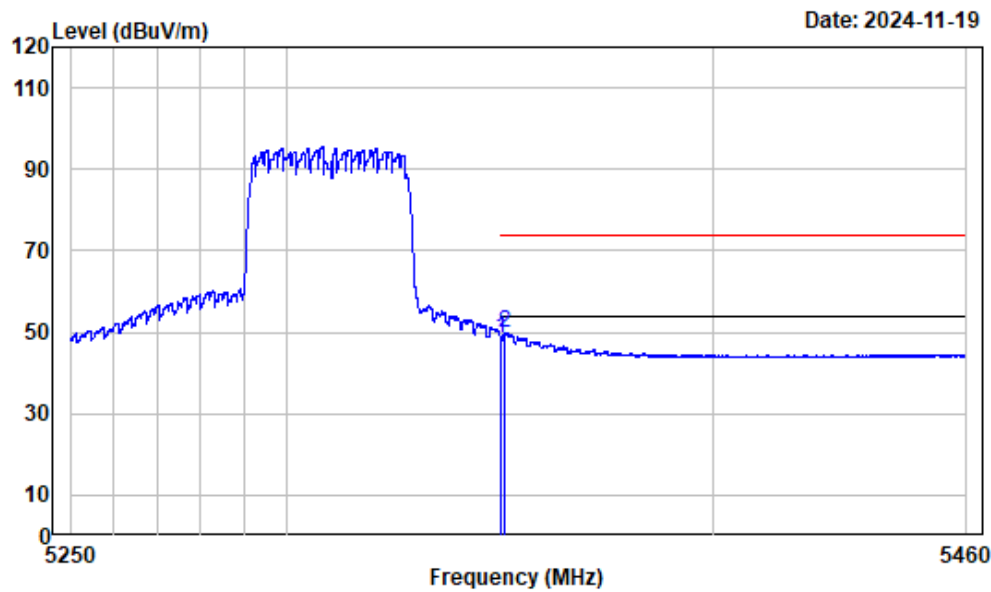
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	66.10	69.00	74.00	-5.00	Peak
2	5352.467	2.91	68.03	70.94	74.00	-3.06	Peak

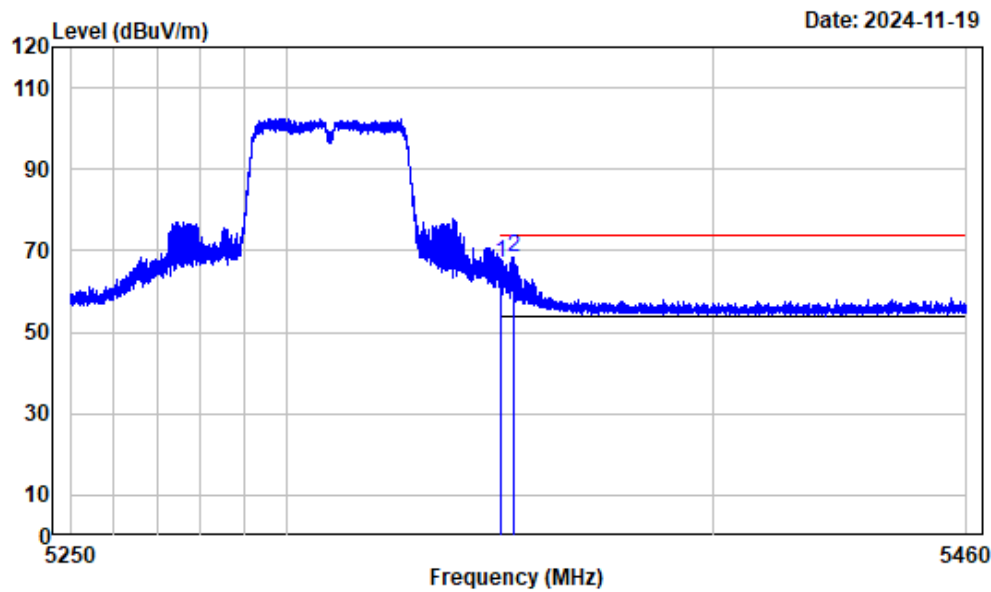
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	45.46	48.36	54.00	-5.64	Average
2	5350.839	2.90	46.99	49.89	54.00	-4.11	Average

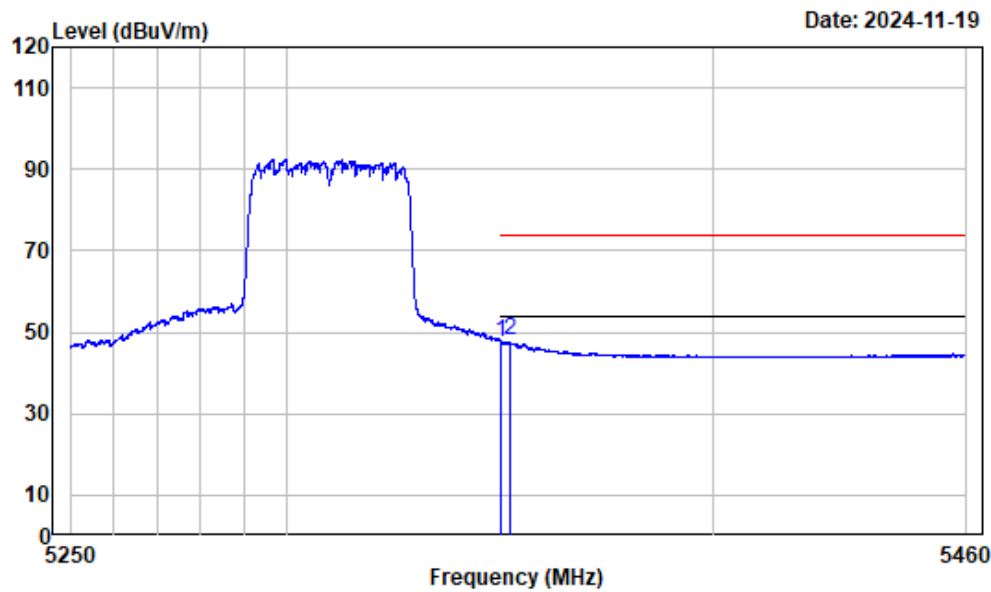
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	64.29	67.19	74.00	-6.81	Peak
2	5352.808	2.92	65.66	68.58	74.00	-5.42	Peak

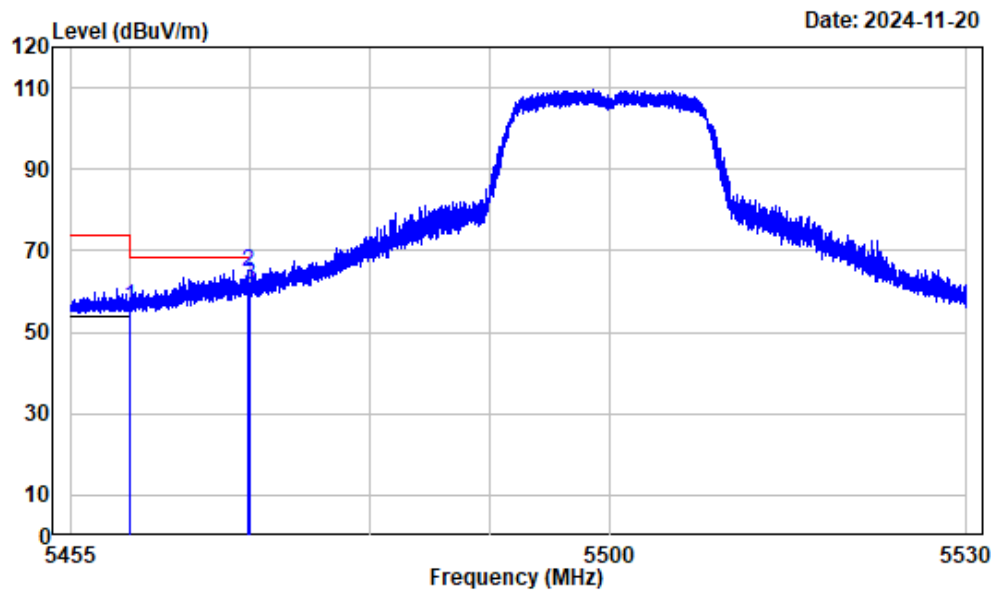
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	44.75	47.65	54.00	-6.35	Average
2	5351.863	2.91	44.89	47.80	54.00	-6.20	Average

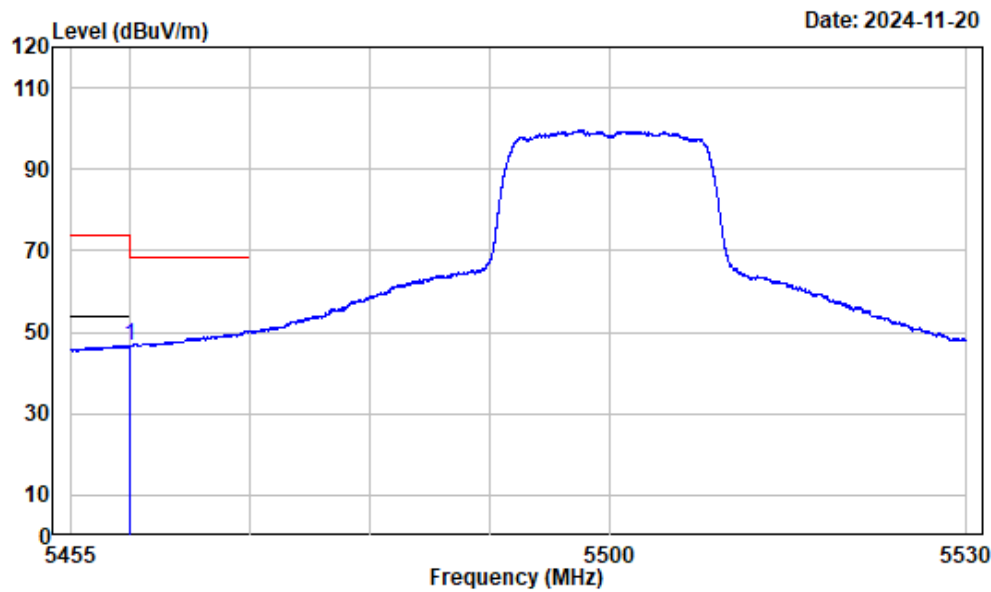
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5500

	Freq	Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	52.92	55.97	74.00	-18.03	Peak
2	5469.842	3.05	61.71	64.76	68.20	-3.44	Peak
3	5470.000	3.05	58.55	61.60	68.20	-6.60	Peak

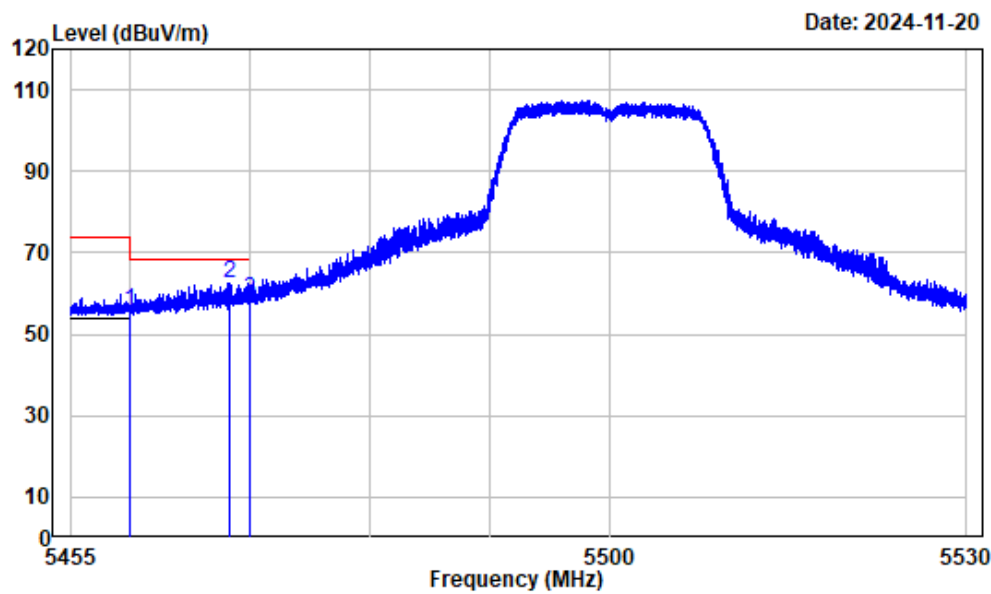
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5500

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	43.48	46.53	54.00	-7.47	Average

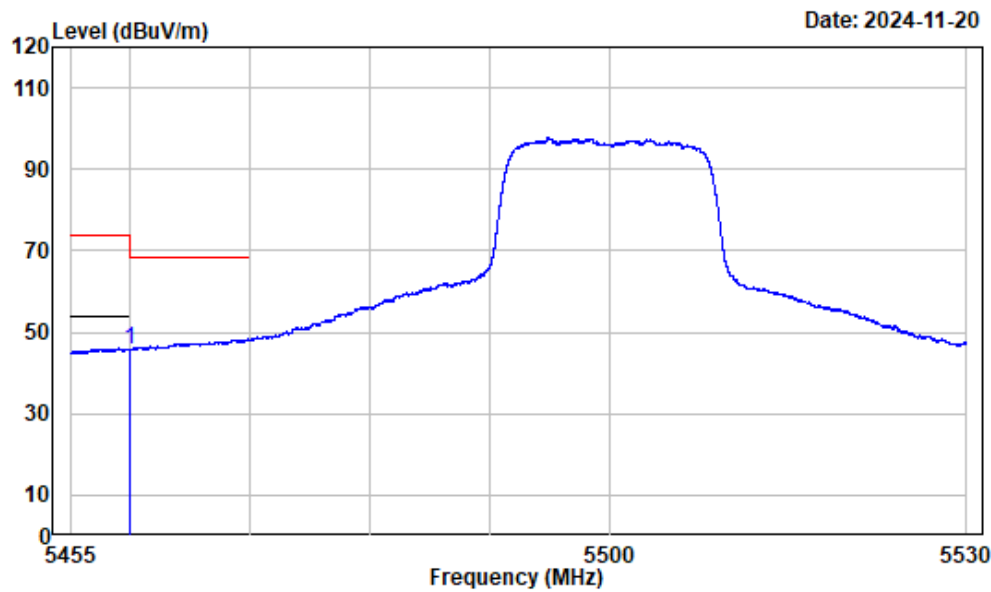
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5500

	Freq	Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	52.81	55.86	74.00	-18.14	Peak
2	5468.183	3.05	59.51	62.56	68.20	-5.64	Peak
3	5470.000	3.05	55.54	58.59	68.20	-9.61	Peak

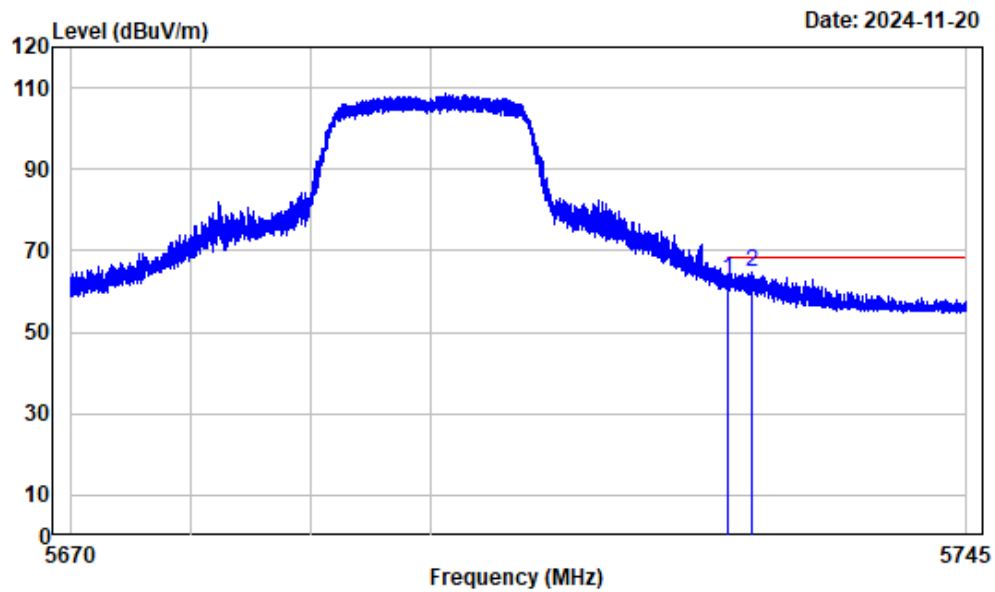
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5500

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	42.52	45.57	54.00	-8.43	Average

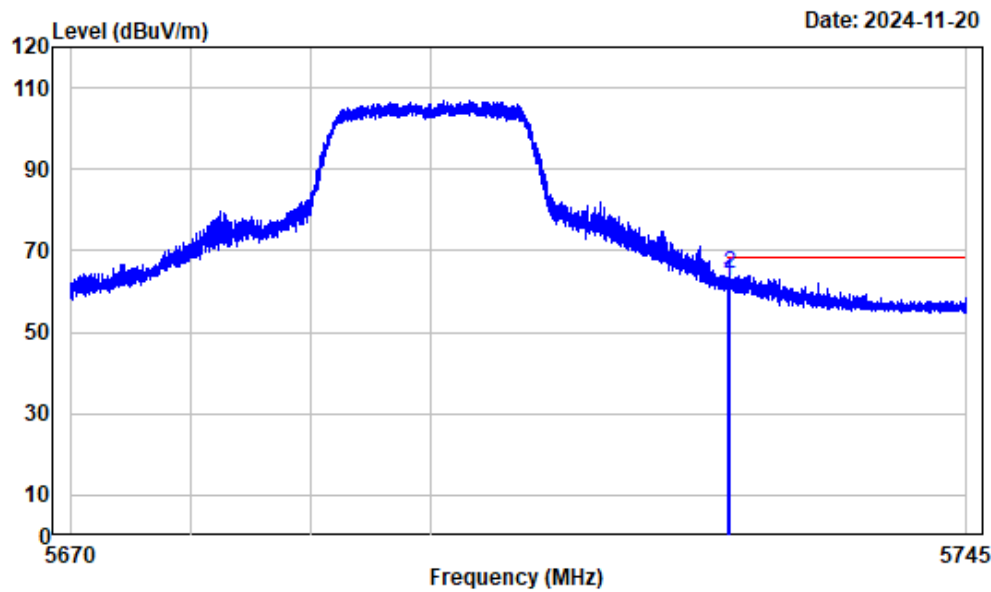
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	3.48	59.66	63.14	68.20	-5.06	Peak
2	5726.998	3.49	61.05	64.54	68.20	-3.66	Peak

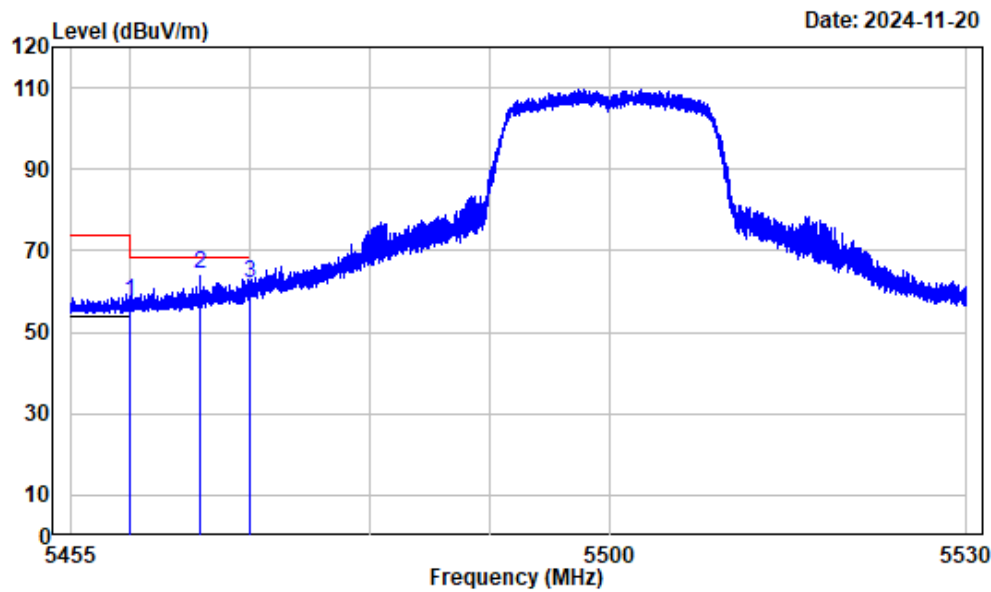
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	3.48	58.80	62.28	68.20	-5.92	Peak
2	5725.113	3.48	60.76	64.24	68.20	-3.96	Peak

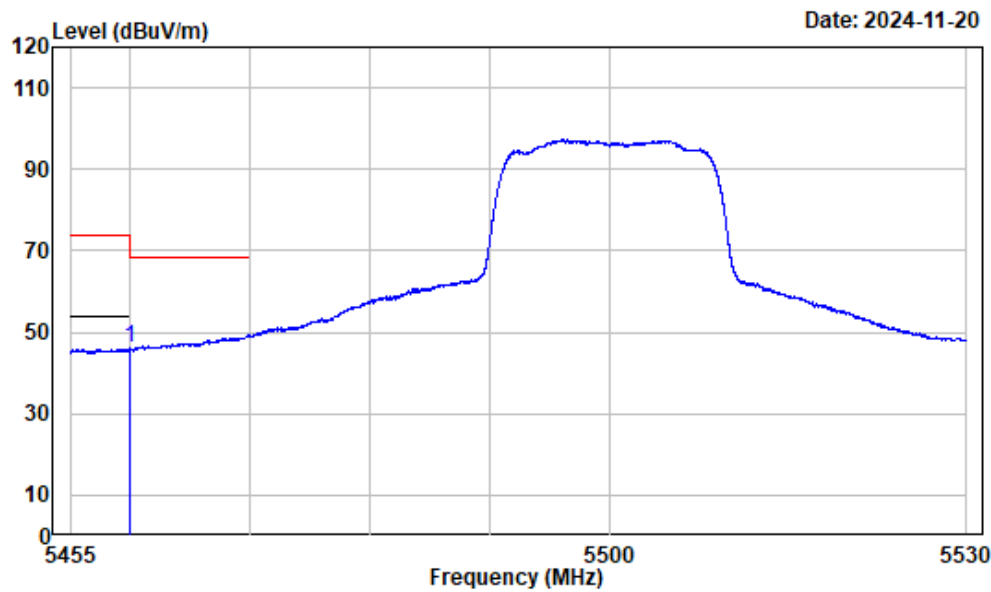
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5500

	Freq	Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	54.65	57.70	74.00	-16.30	Peak
2	5465.801	3.06	61.22	64.28	68.20	-3.92	Peak
3	5470.000	3.05	59.14	62.19	68.20	-6.01	Peak

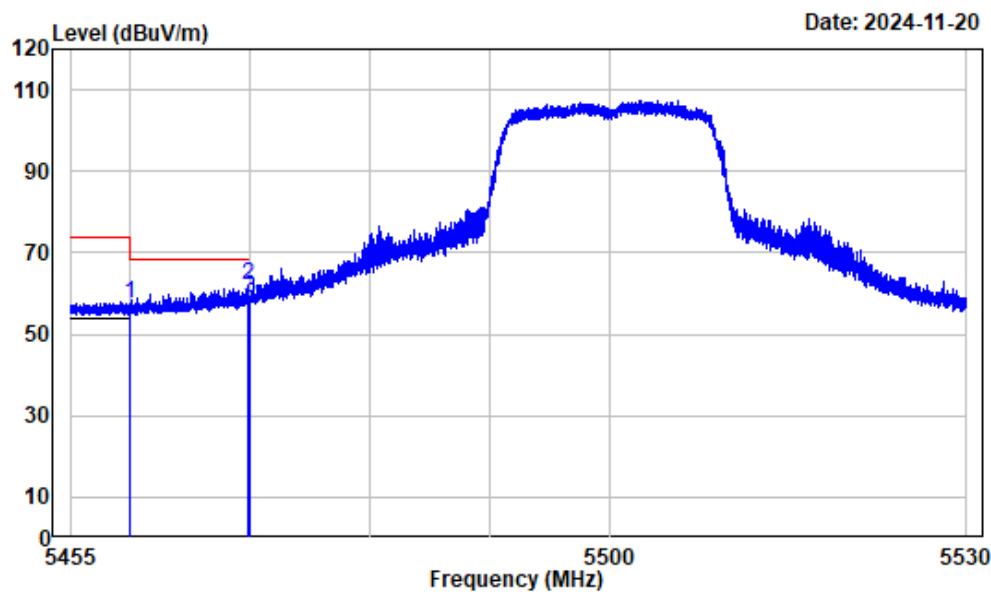
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5500

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	42.92	45.97	54.00	-8.03	Average

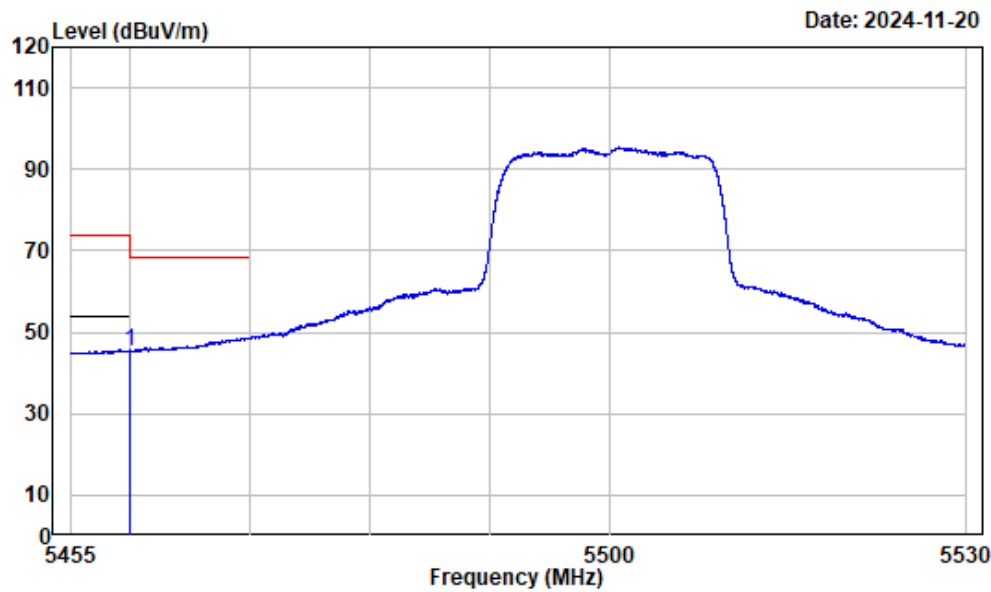
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5500

	Freq	Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	54.32	57.37	74.00	-16.63	Peak
2	5469.777	3.05	58.84	61.89	68.20	-6.31	Peak
3	5470.000	3.05	55.76	58.81	68.20	-9.39	Peak

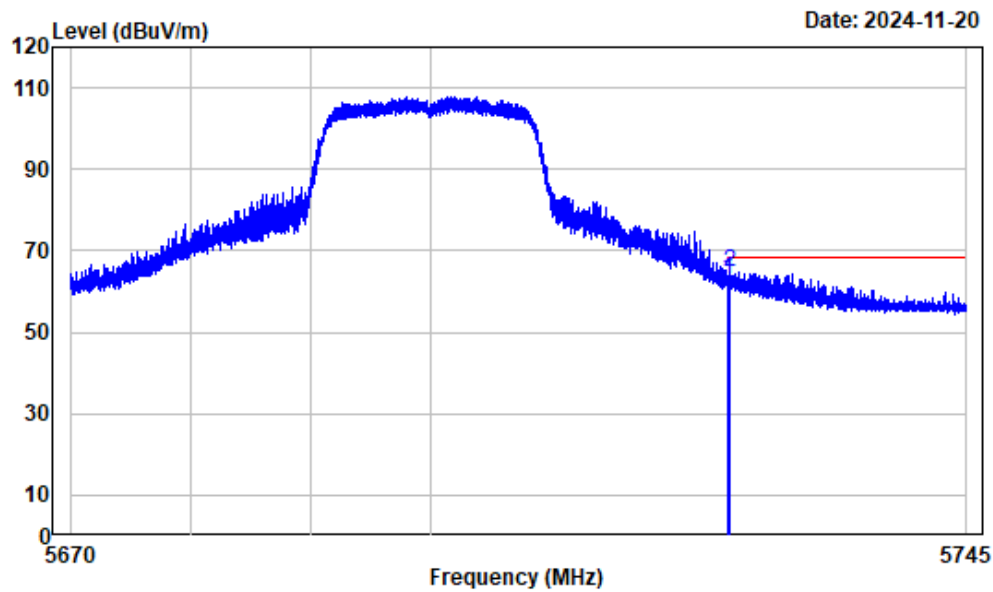
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5500

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	42.10	45.15	54.00	-8.85	Average

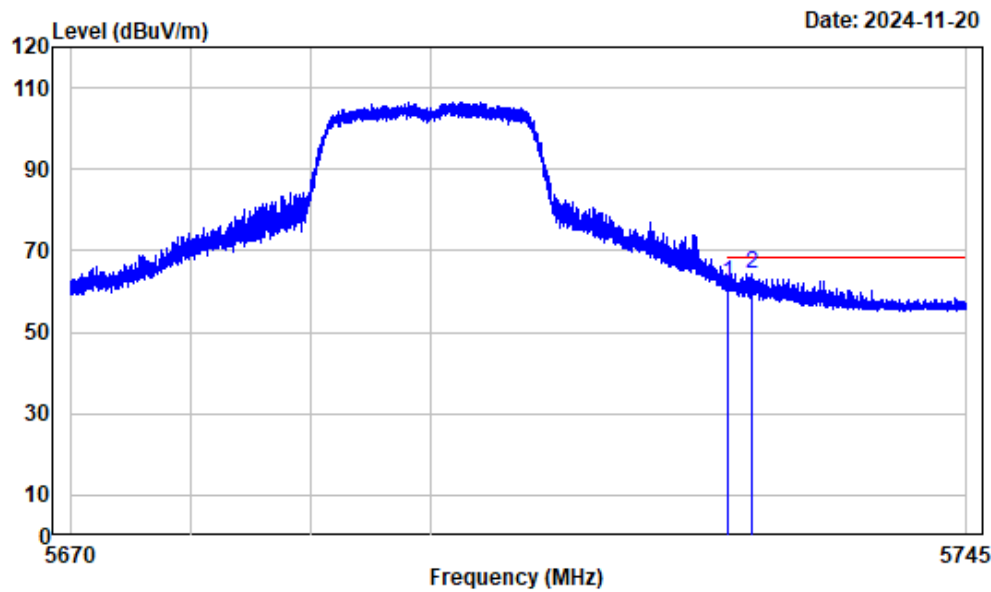
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	3.48	59.40	62.88	68.20	-5.32	Peak
2	5725.029	3.48	61.22	64.70	68.20	-3.50	Peak

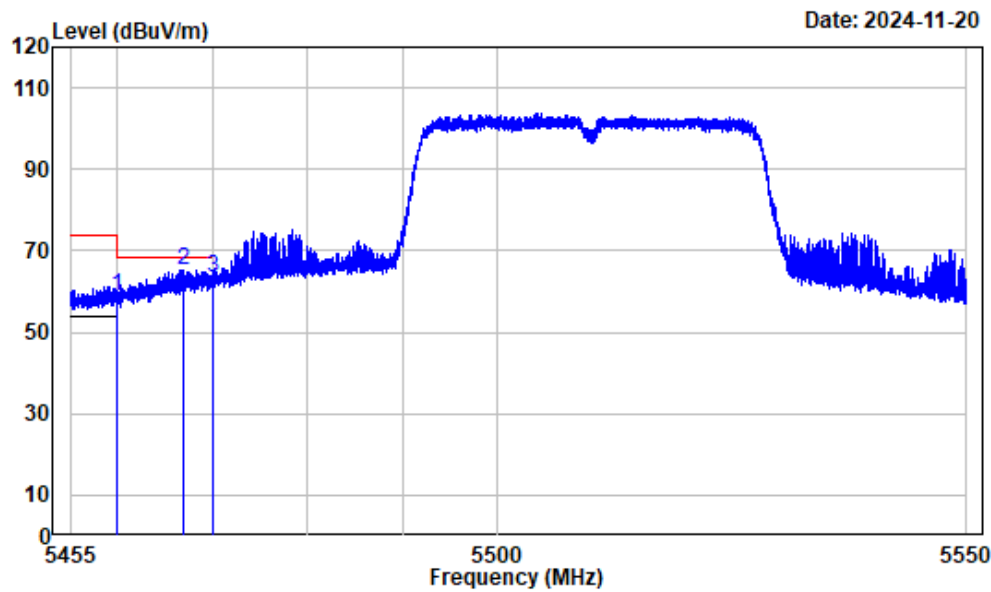
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	3.48	58.66	62.14	68.20	-6.06	Peak
2	5727.017	3.49	60.80	64.29	68.20	-3.91	Peak

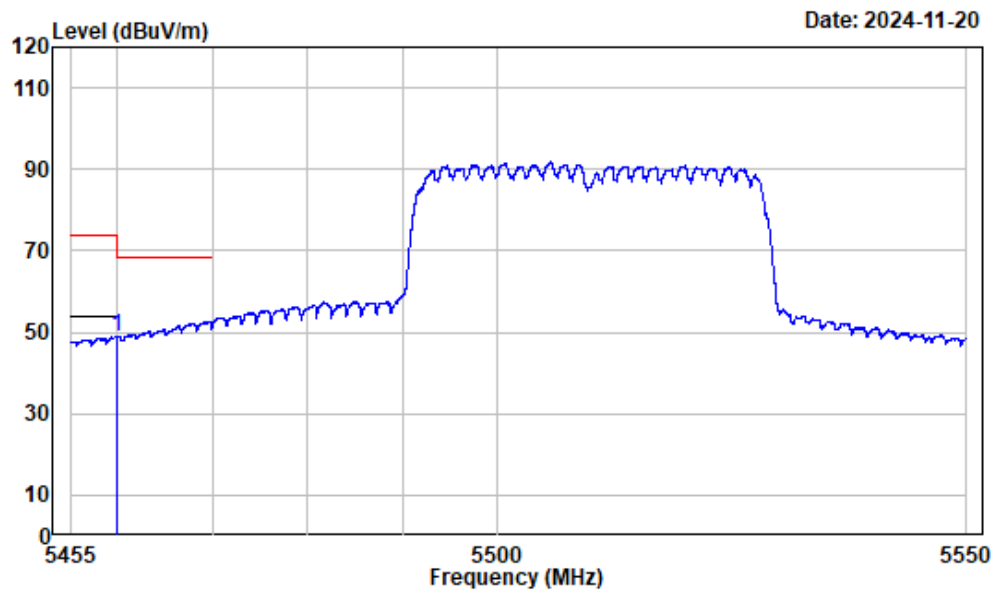
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5510

	Freq	Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	55.86	58.91	74.00	-15.09	Peak
2	5466.983	3.06	62.07	65.13	68.20	-3.07	Peak
3	5470.000	3.05	60.27	63.32	68.20	-4.88	Peak

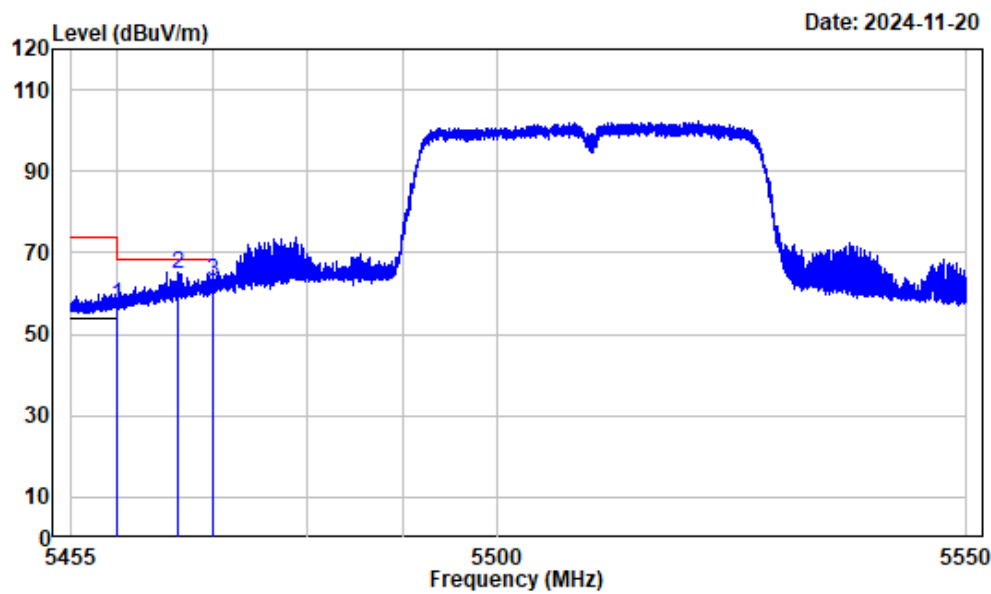
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5510

Freq		Factor	Read Level	Level	Limit	Over	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	45.72	48.77	54.00	-5.23	Average

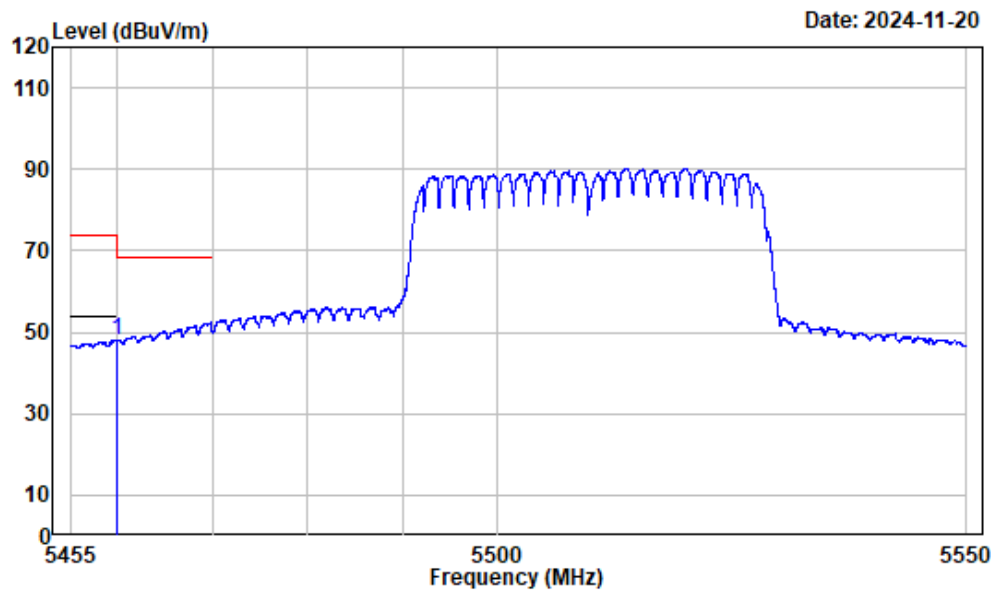
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5510

	Freq	Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	54.13	57.18	74.00	-16.82	Peak
2	5466.318	3.06	61.53	64.59	68.20	-3.61	Peak
3	5470.000	3.05	59.80	62.85	68.20	-5.35	Peak

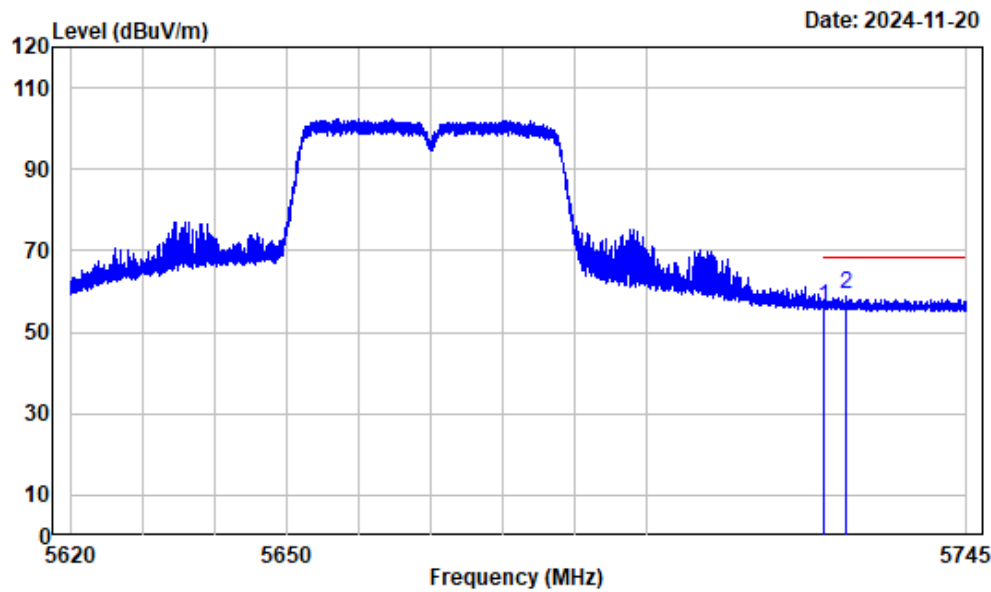
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5510

Freq		Factor	Read Level	Level	Limit	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5460.000	3.05	44.97	48.02	54.00	-5.98	Average

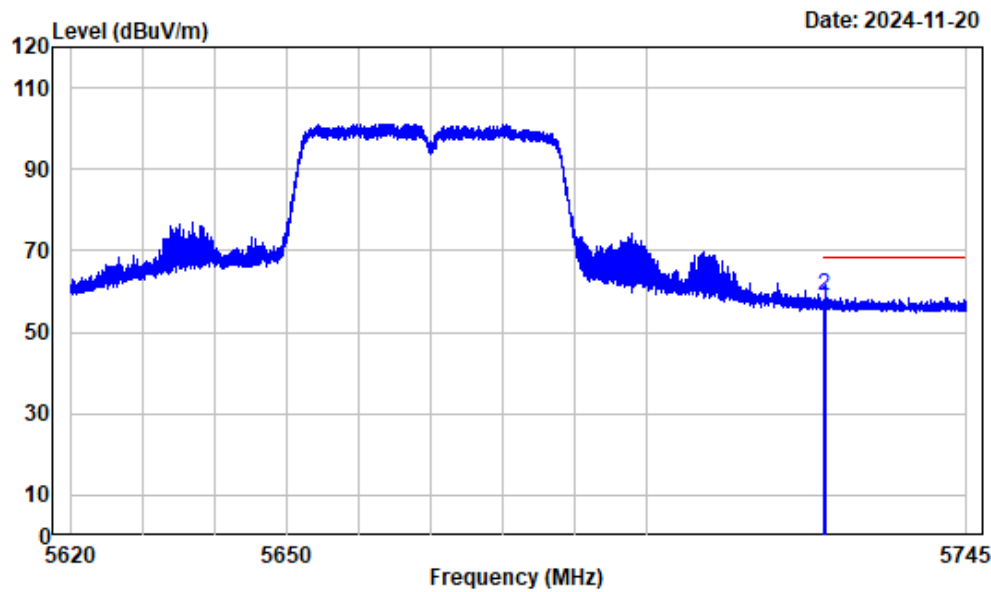
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	3.48	52.87	56.35	68.20	-11.85	Peak
2	5727.936	3.50	55.77	59.27	68.20	-8.93	Peak

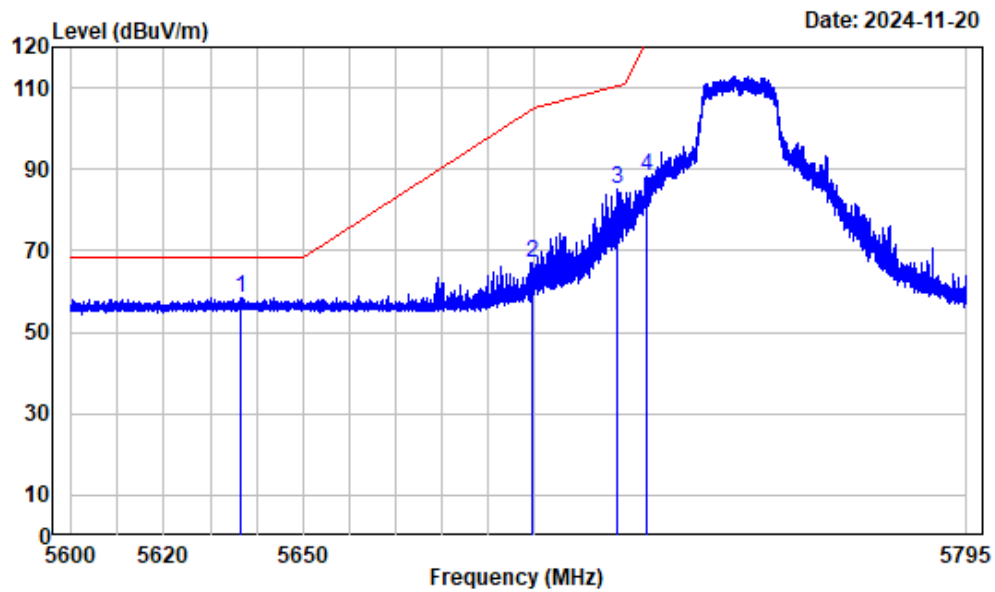
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	3.48	52.65	56.13	68.20	-12.07	Peak
2	5725.060	3.48	55.56	59.04	68.20	-9.16	Peak

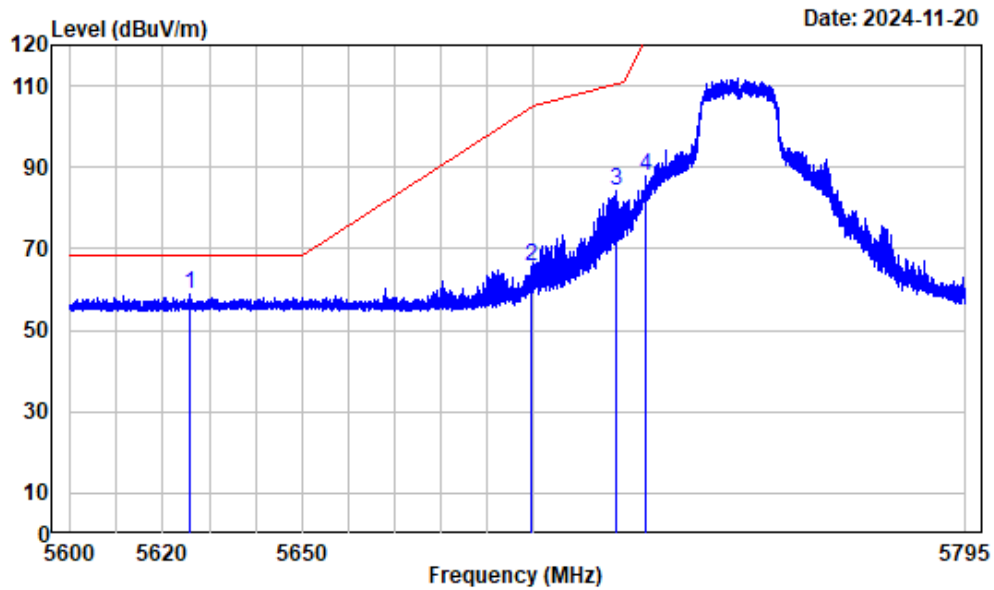
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5636.665	3.17	55.16	58.33	68.20	-9.87	Peak
2	5699.853	3.45	63.52	66.97	105.09	-38.12	Peak
3	5718.380	3.48	81.51	84.99	110.35	-25.36	Peak
4	5724.694	3.48	84.81	88.29	121.50	-33.21	Peak

Left Band edge_Vertical_Peak



Condition : Vertical

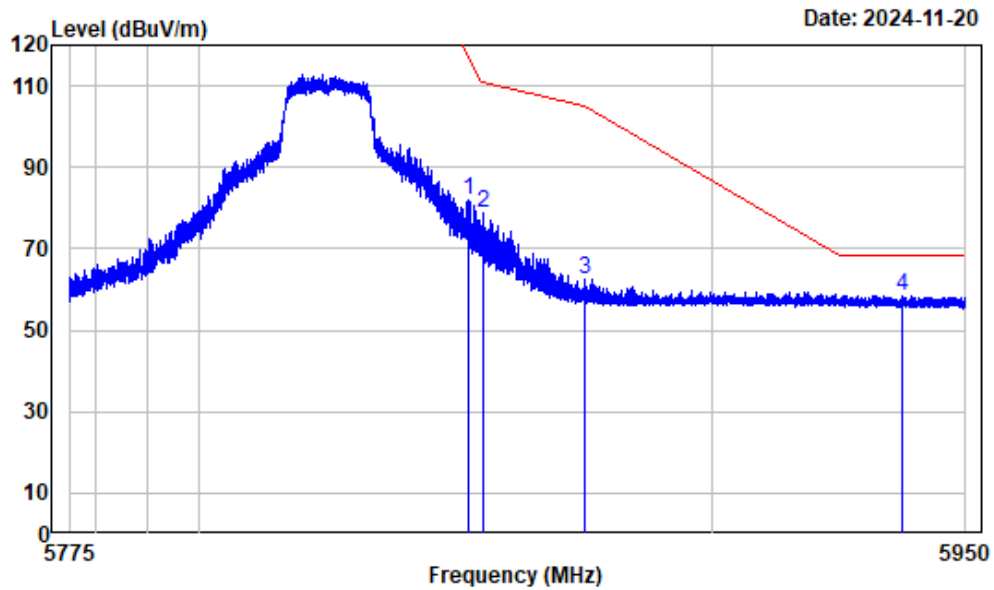
Project No.: 2401X47535E-RF

Tester : Zenos Qiao

Note : 5GWiFi-Band4-A-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5625.914	3.09	55.68	58.77	68.20	-9.43	Peak
2	5699.877	3.45	62.14	65.59	105.11	-39.52	Peak
3	5718.380	3.48	80.58	84.06	110.35	-26.29	Peak
4	5724.523	3.48	84.43	87.91	121.11	-33.20	Peak

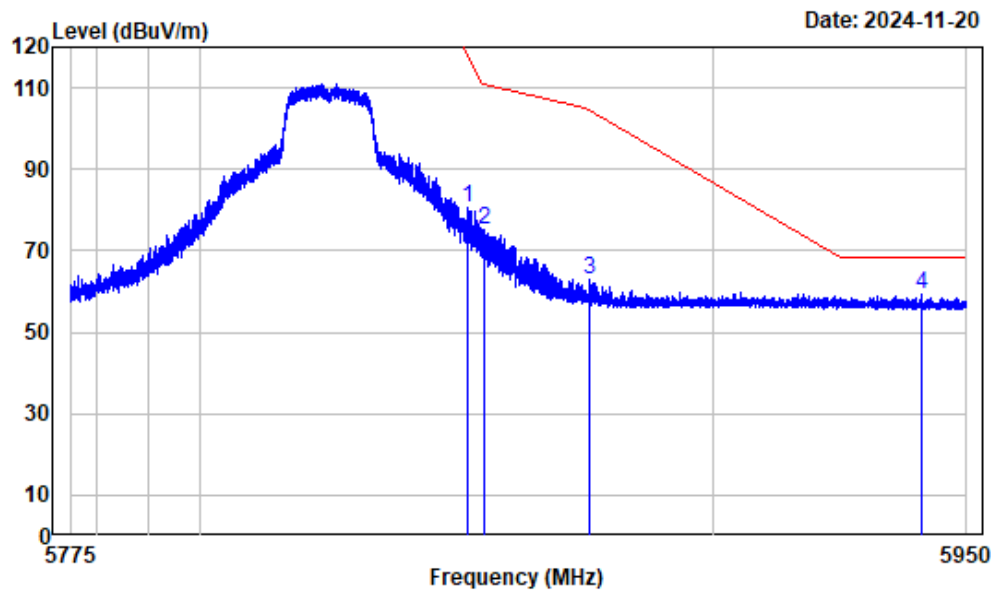
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5852.425	3.69	78.25	81.94	116.67	-34.73	Peak
2	5855.094	3.70	74.90	78.60	110.77	-32.17	Peak
3	5875.091	3.77	58.94	62.71	105.13	-42.42	Peak
4	5937.617	3.76	54.77	58.53	68.20	-9.67	Peak

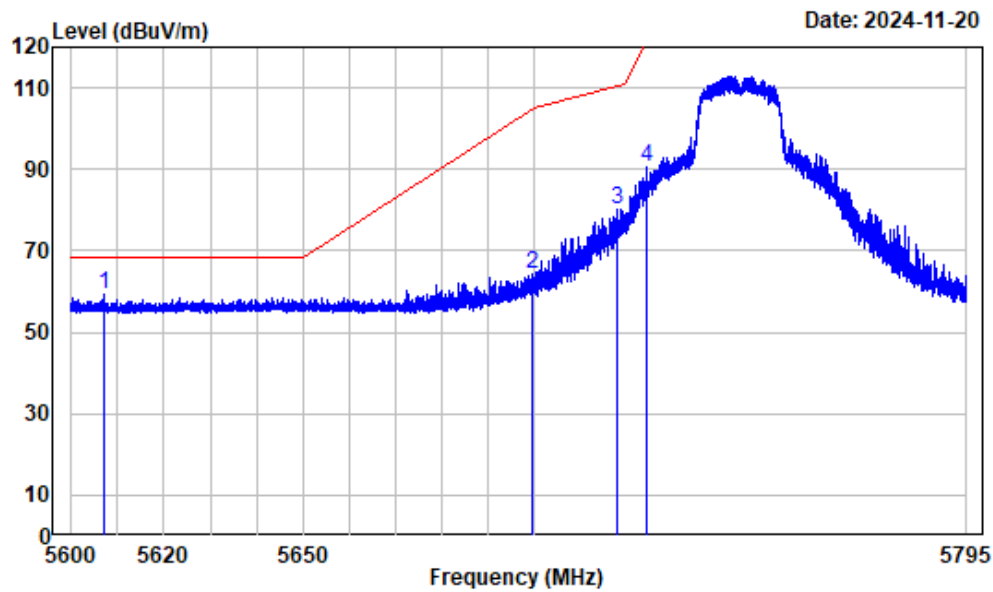
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5851.922	3.69	76.89	80.58	117.82	-37.24	Peak
2	5855.116	3.70	71.60	75.30	110.77	-35.47	Peak
3	5875.660	3.77	59.12	62.89	104.71	-41.82	Peak
4	5941.074	3.75	55.78	59.53	68.20	-8.67	Peak

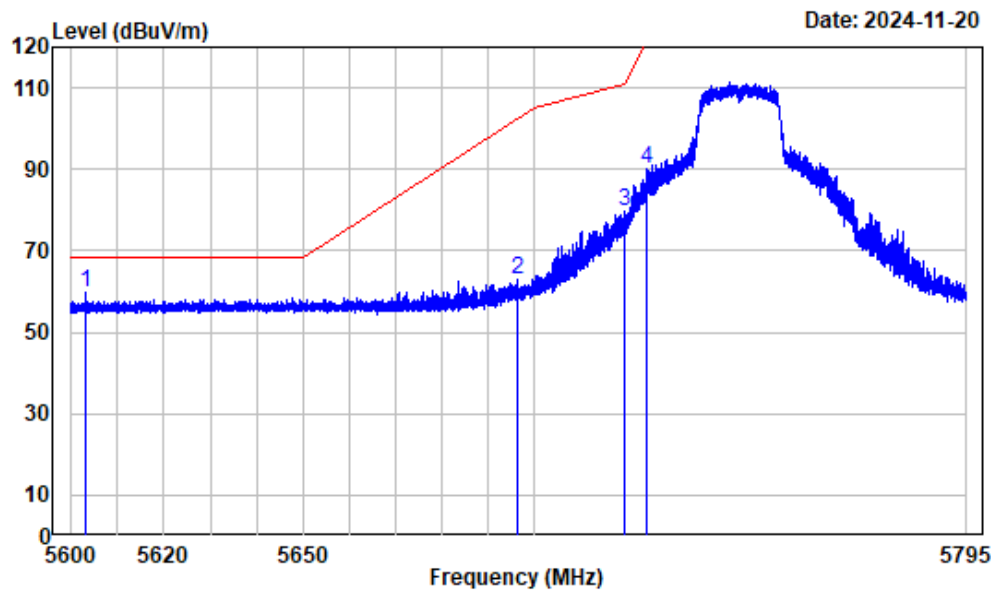
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5607.045	2.95	56.33	59.28	68.20	-8.92	Peak
2	5699.755	3.45	60.89	64.34	105.02	-40.68	Peak
3	5718.355	3.48	76.61	80.09	110.34	-30.25	Peak
4	5724.669	3.48	87.21	90.69	121.45	-30.76	Peak

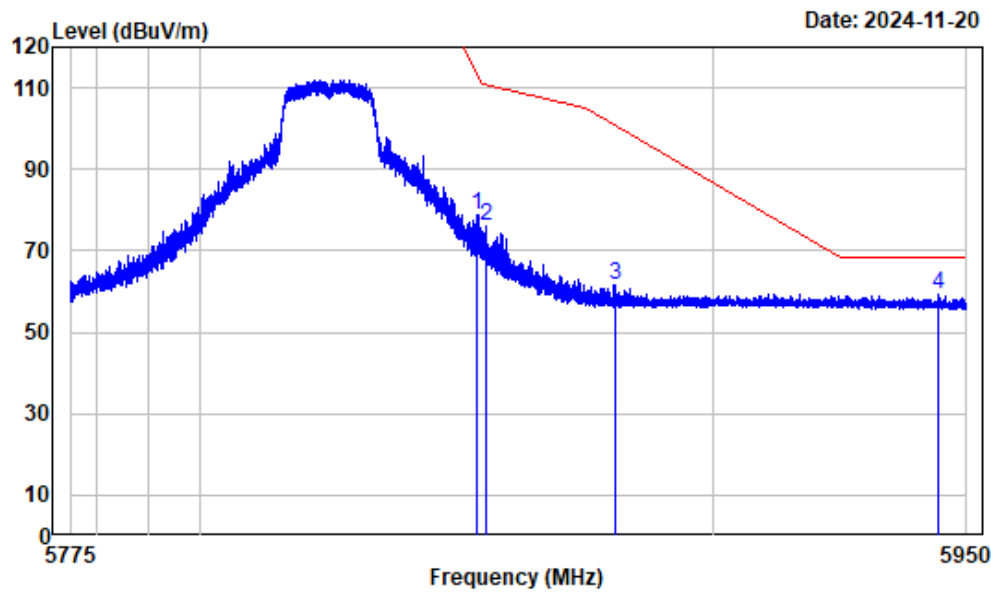
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5603.291	2.93	56.77	59.70	68.20	-8.50	Peak
2	5696.610	3.44	59.54	62.98	102.70	-39.72	Peak
3	5719.647	3.48	76.19	79.67	110.70	-31.03	Peak
4	5724.840	3.48	86.59	90.07	121.83	-31.76	Peak

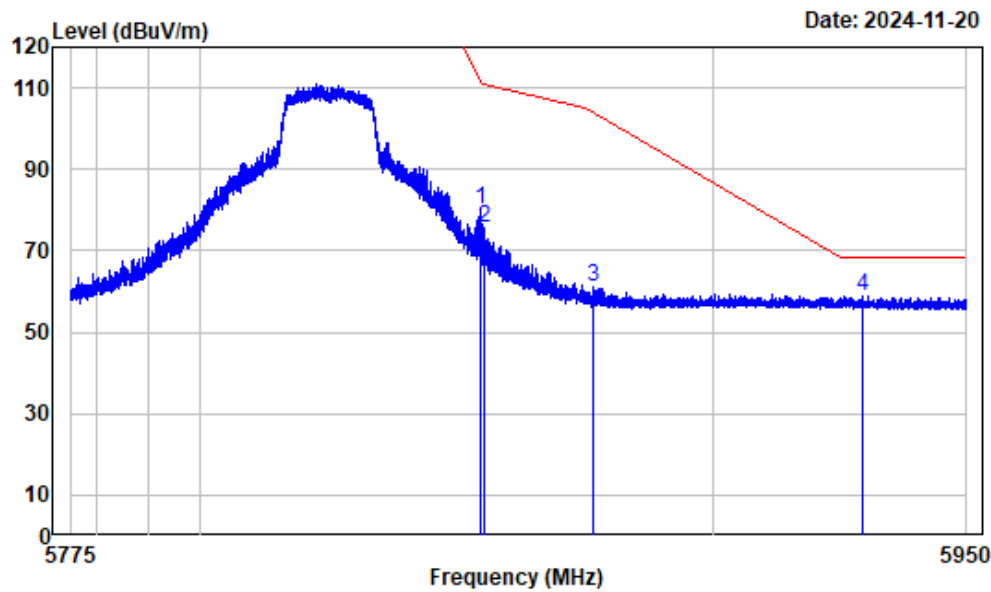
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5853.650	3.69	75.32	79.01	113.88	-34.87	Peak
2	5855.576	3.70	72.23	75.93	110.64	-34.71	Peak
3	5880.801	3.78	57.97	61.75	100.89	-39.14	Peak
4	5944.552	3.74	55.40	59.14	68.20	-9.06	Peak

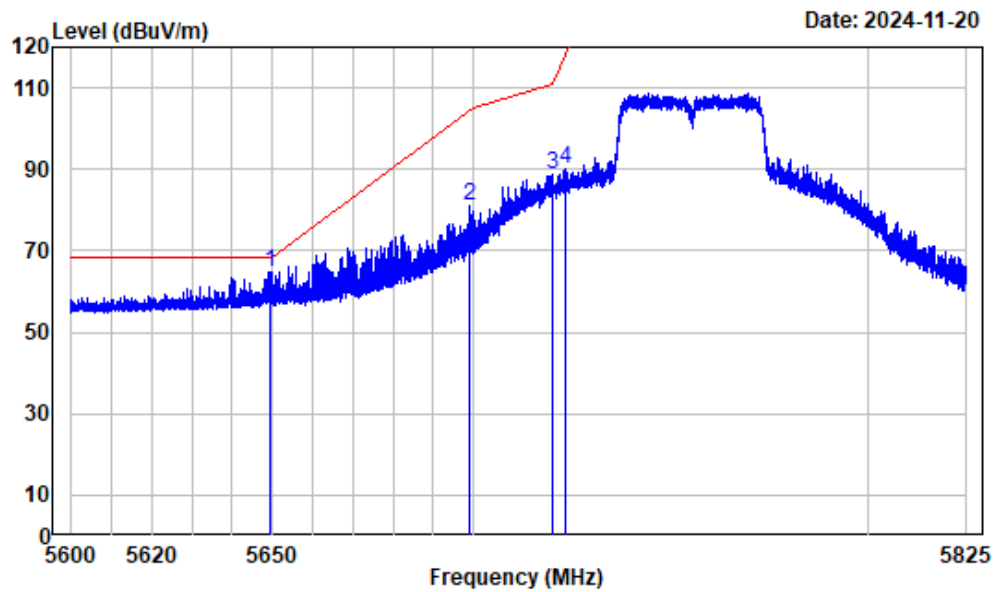
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5854.591	3.70	76.36	80.06	111.73	-31.67	Peak
2	5855.292	3.70	71.89	75.59	110.72	-35.13	Peak
3	5876.403	3.78	57.27	61.05	104.16	-43.11	Peak
4	5929.435	3.78	55.20	58.98	68.20	-9.22	Peak

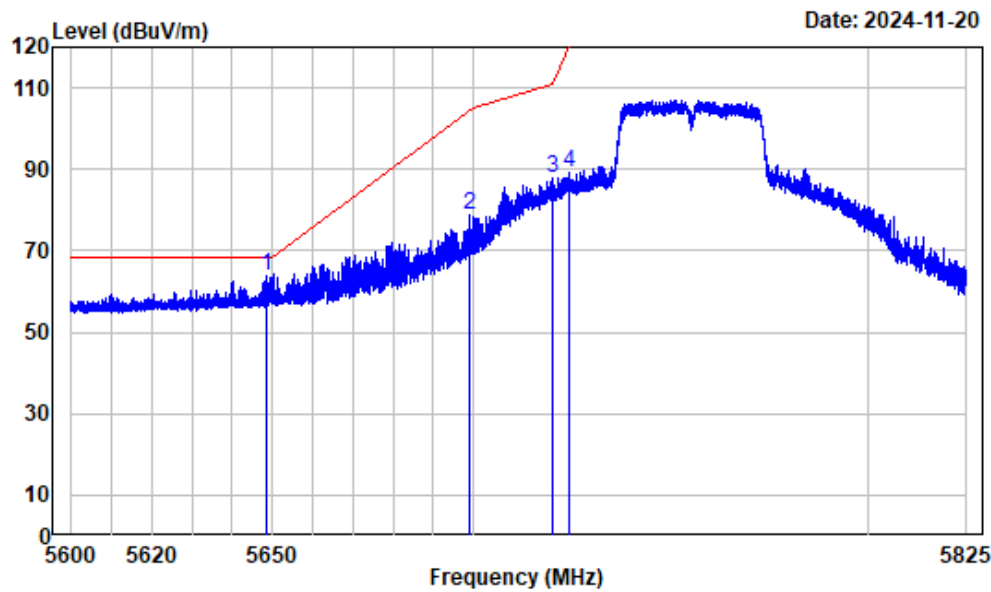
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5649.590	3.28	61.69	64.97	68.20	-3.23	Peak
2	5699.181	3.45	77.44	80.89	104.60	-23.71	Peak
3	5719.771	3.48	85.15	88.63	110.74	-22.11	Peak
4	5723.203	3.48	86.73	90.21	118.10	-27.89	Peak

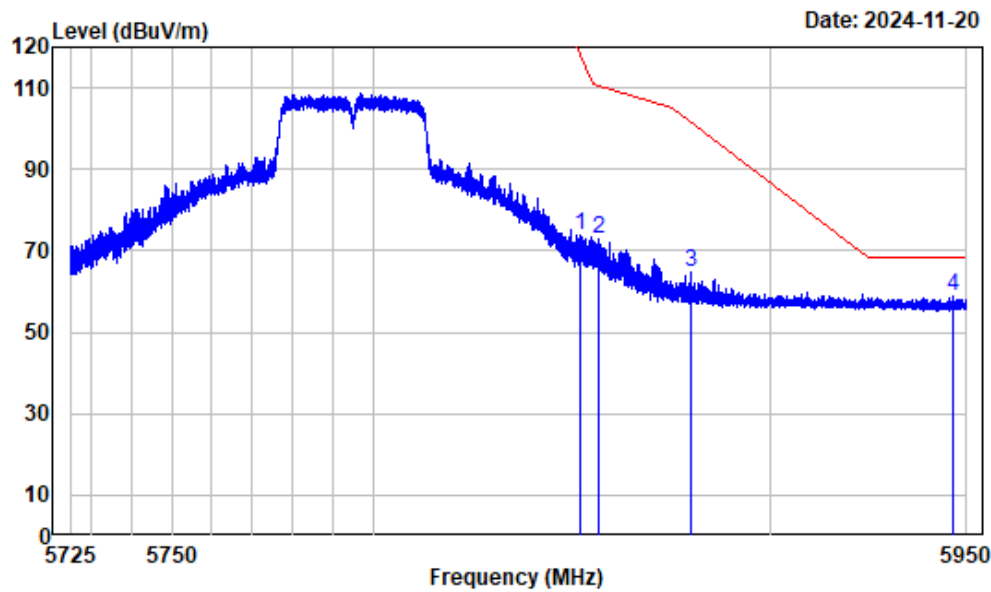
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5648.494	3.27	60.53	63.80	68.20	-4.40	Peak
2	5698.984	3.45	75.33	78.78	104.45	-25.67	Peak
3	5719.912	3.48	84.37	87.85	110.78	-22.93	Peak
4	5724.328	3.48	85.55	89.03	120.67	-31.64	Peak

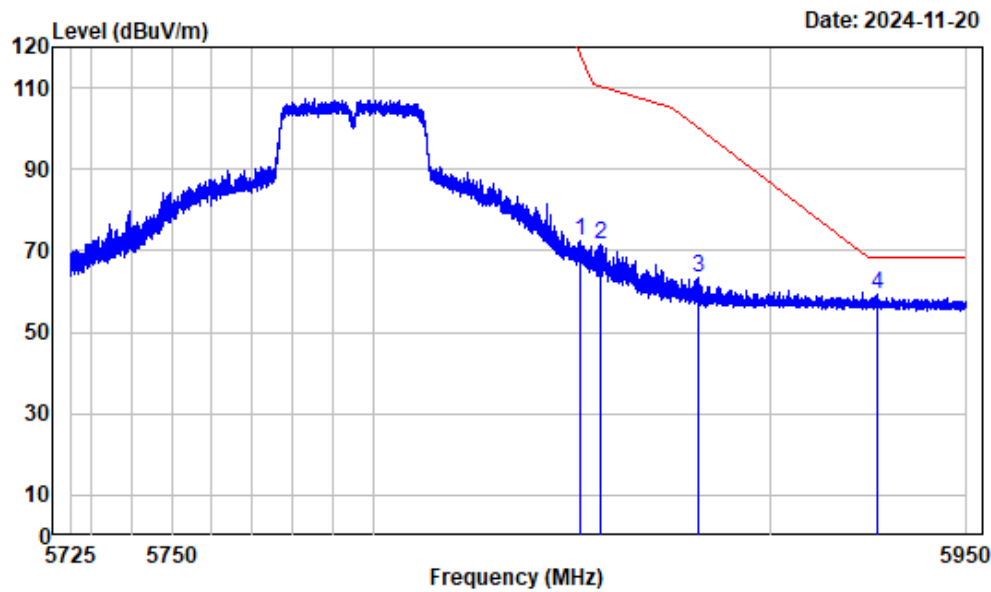
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5852.084	3.69	70.01	73.70	117.45	-43.75	Peak
2	5856.529	3.71	69.06	72.77	110.37	-37.60	Peak
3	5879.875	3.78	60.82	64.60	101.58	-36.98	Peak
4	5946.512	3.75	54.90	58.65	68.20	-9.55	Peak

Right Band edge_Veritical_Peak

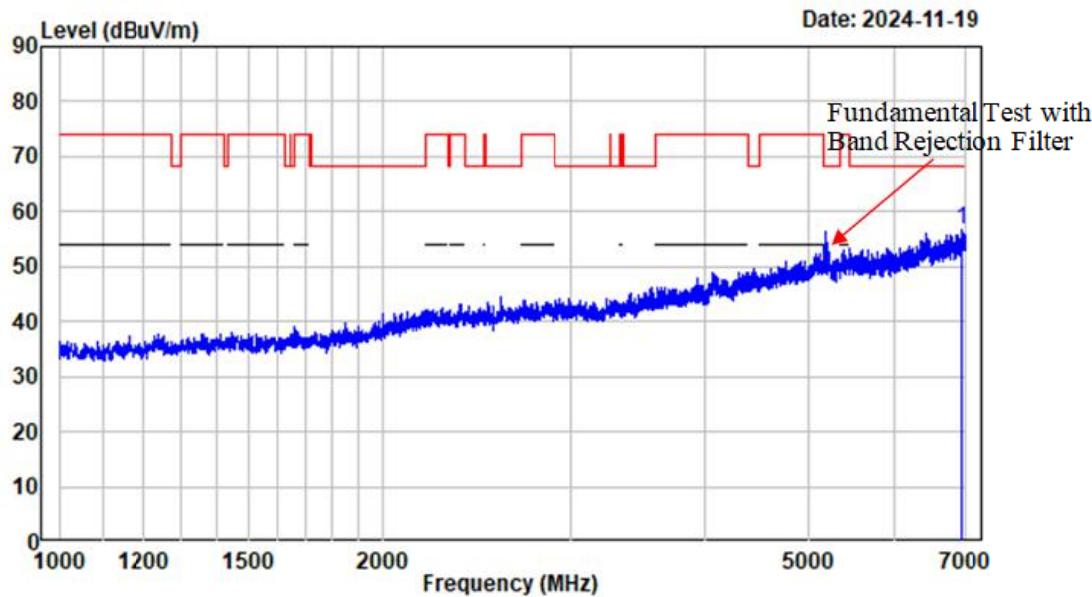


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5852.141	3.69	68.89	72.58	117.32	-44.74	Peak
2	5857.289	3.71	67.76	71.47	110.16	-38.69	Peak
3	5881.789	3.79	59.43	63.22	100.16	-36.94	Peak
4	5927.329	3.79	55.36	59.15	68.20	-9.05	Peak

1-18GHz (Listed with the worst harmonic margin test plot):

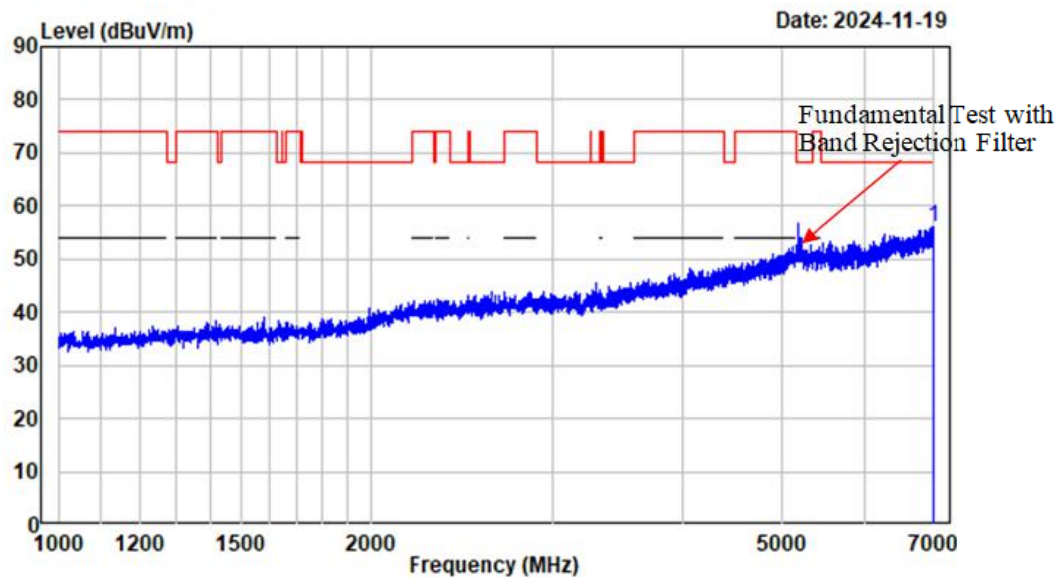
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

Freq Factor		Read Level	Limit Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 6933.242	8.49	48.06	56.55	68.20	-11.65	Peak

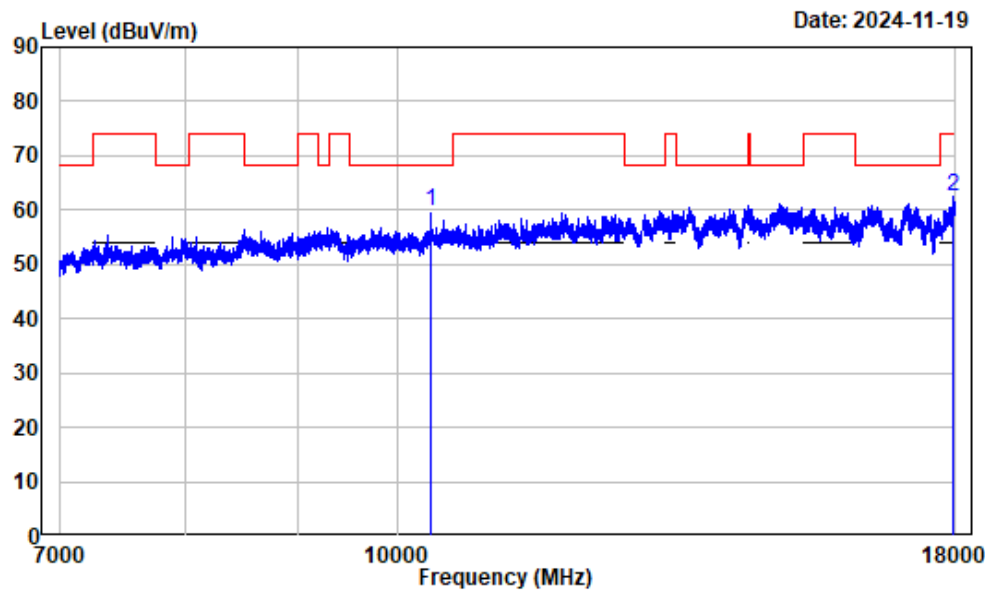
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

Freq		Factor	Read Level	Level	Limit	Over	Remark
			dBuV	dBuV/m	dBuV/m	Limit	
		dB/m				dB	
1	6987.249	8.63	47.46	56.09	68.20	-12.11	Peak

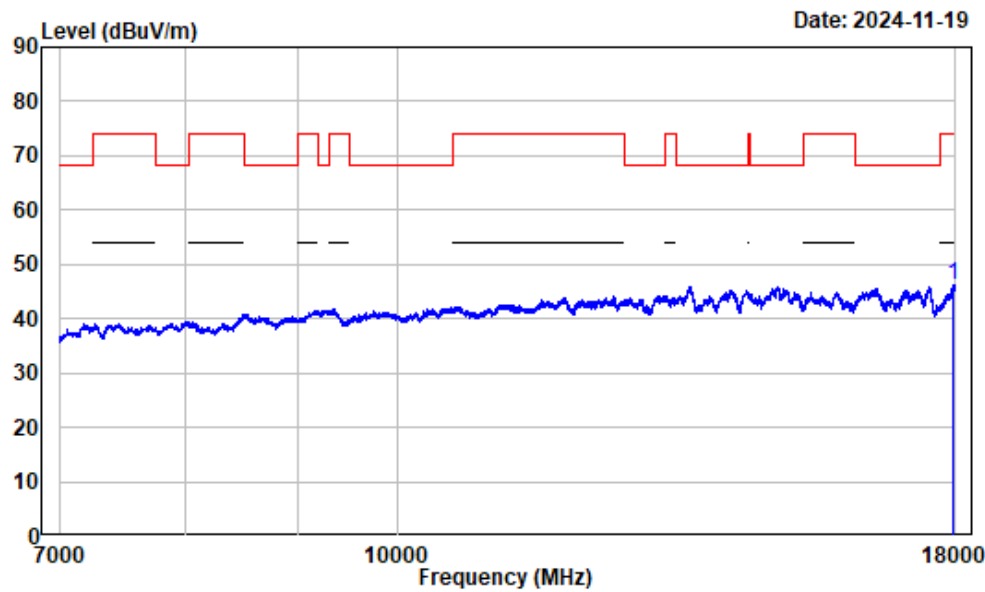
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

Freq		Factor	Read Level	Level	Limit	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	13.07	46.84	59.91	68.20	-8.29	Peak
2	17960.120	24.34	38.12	62.46	74.00	-11.54	Peak

7-18GHz_Horizontal_Average

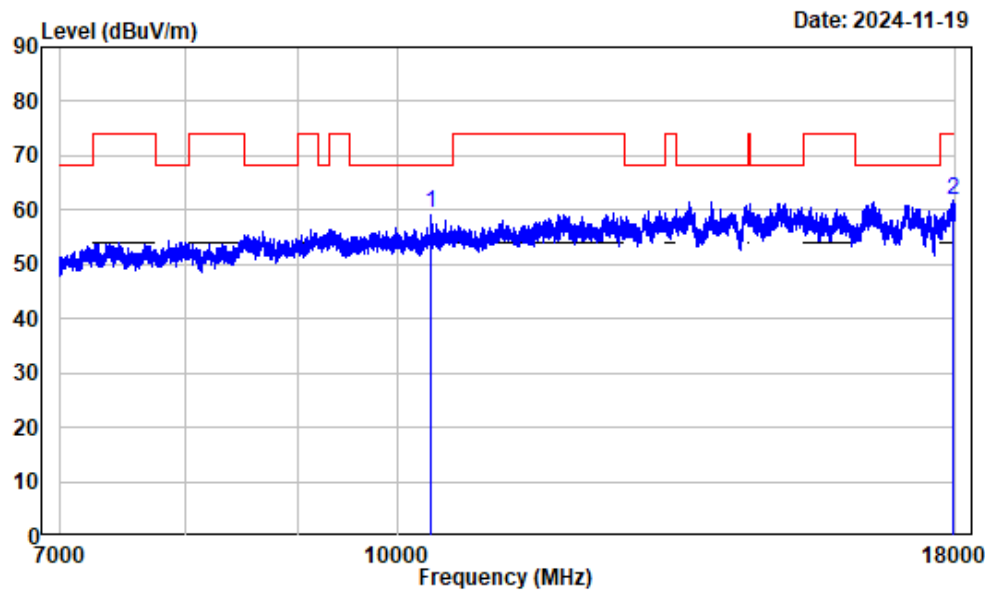


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17957.370	24.32	22.02	46.34	54.00	-7.66	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

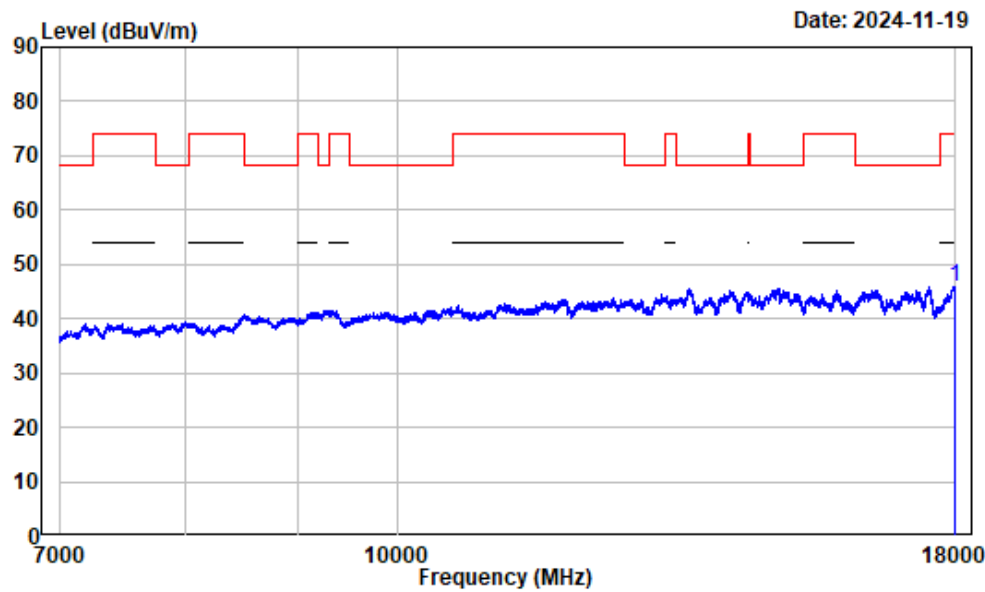
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	13.07	46.52	59.59	68.20	-8.61	Peak
2	17942.240	24.21	37.48	61.69	74.00	-12.31	Peak

7-18GHz_Vertical_Average

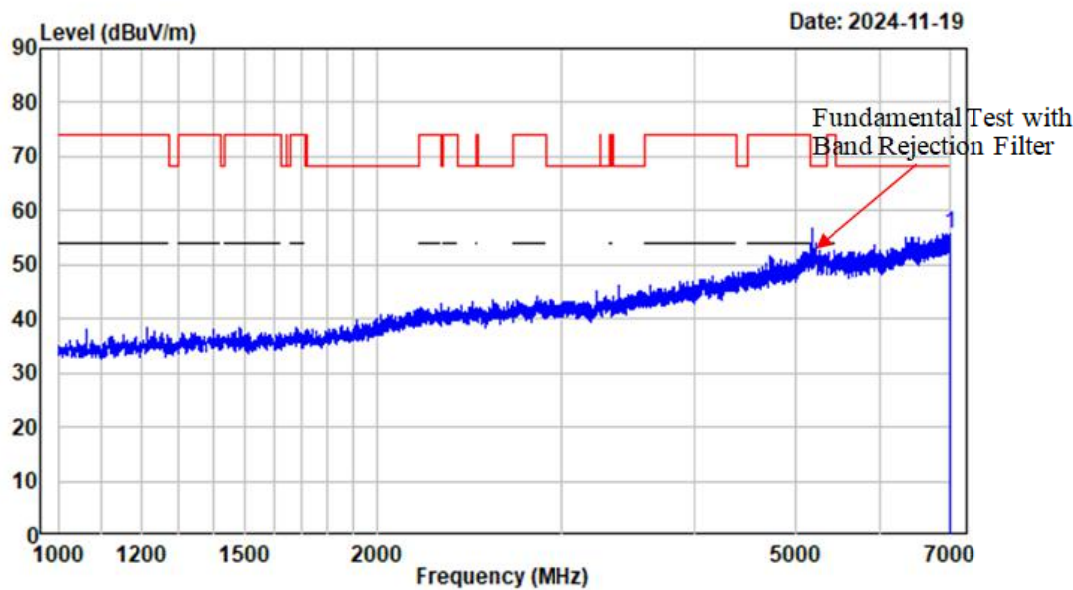


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17975.250	24.44	21.53	45.97	54.00	-8.03	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

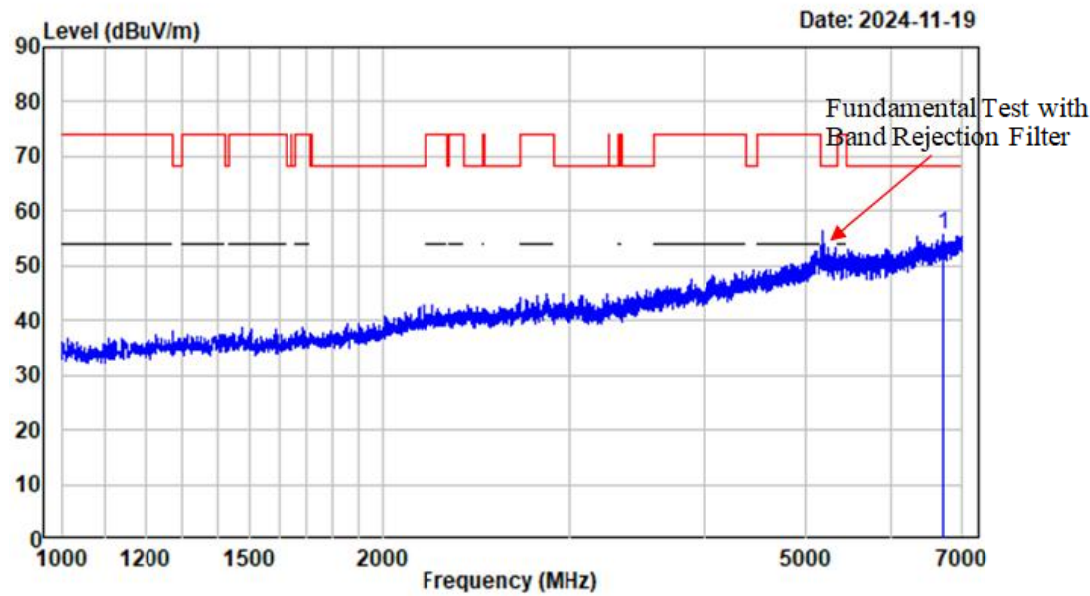
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

		Read		Limit	Over	Remark
Freq Factor		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 6998.500	8.62	47.05	55.67	68.20	-12.53	Peak

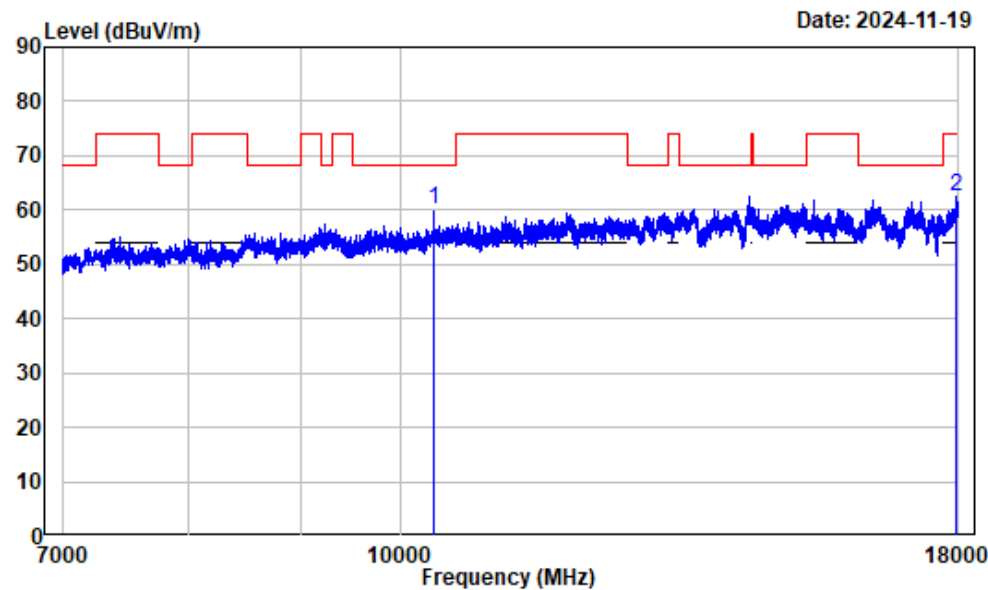
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6714.964	7.12	48.49	55.61	68.20	-12.59 Peak

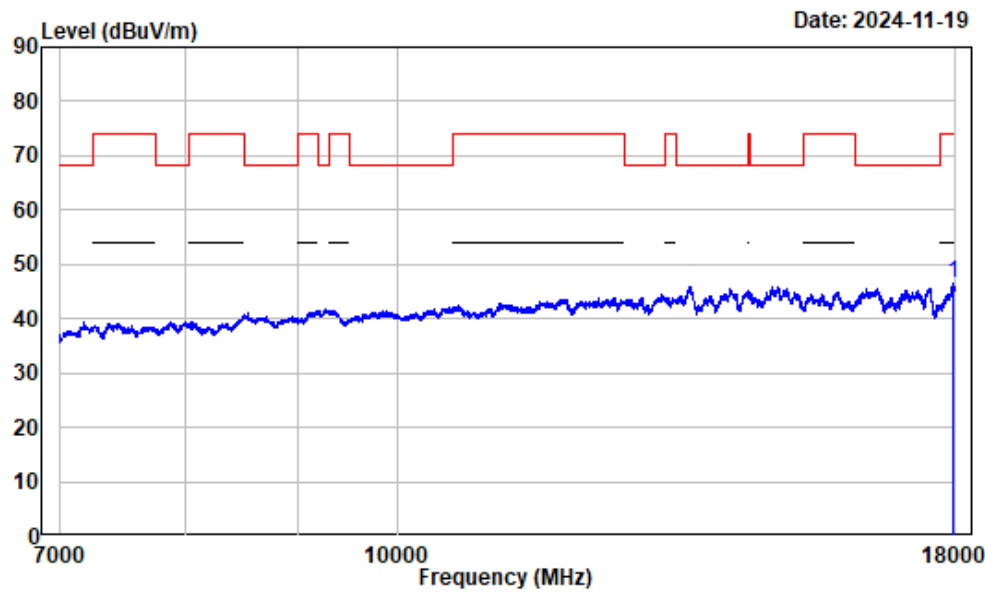
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

Freq		Factor	Read Level	Level	Limit	Over	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	13.07	46.96	60.03	68.20	-8.17	Peak
2	17955.990	24.31	38.11	62.42	74.00	-11.58	Peak

7-18GHz_Horizontal_Average

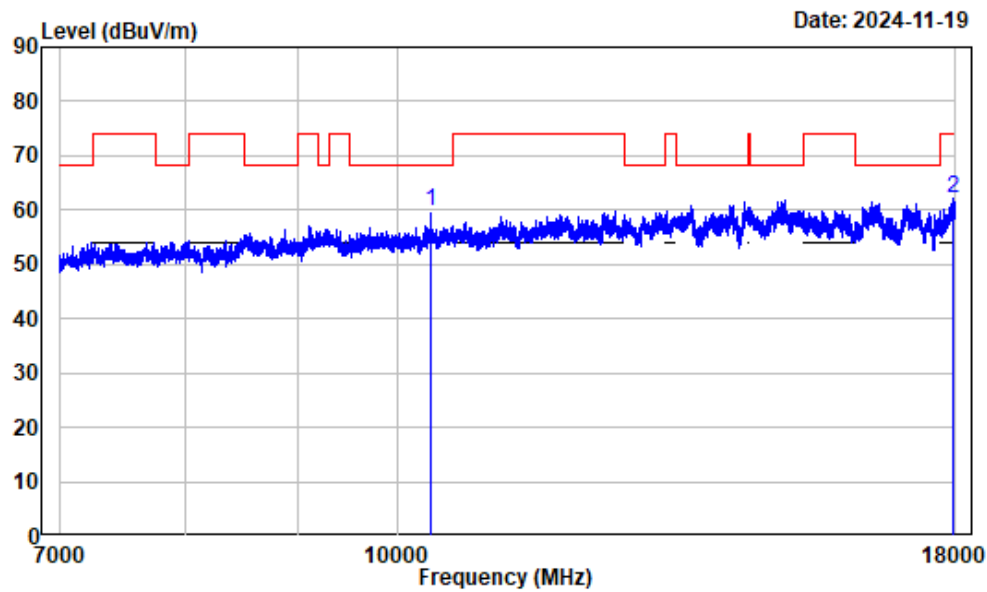


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17955.990	24.31	22.22	46.53	54.00	-7.47	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

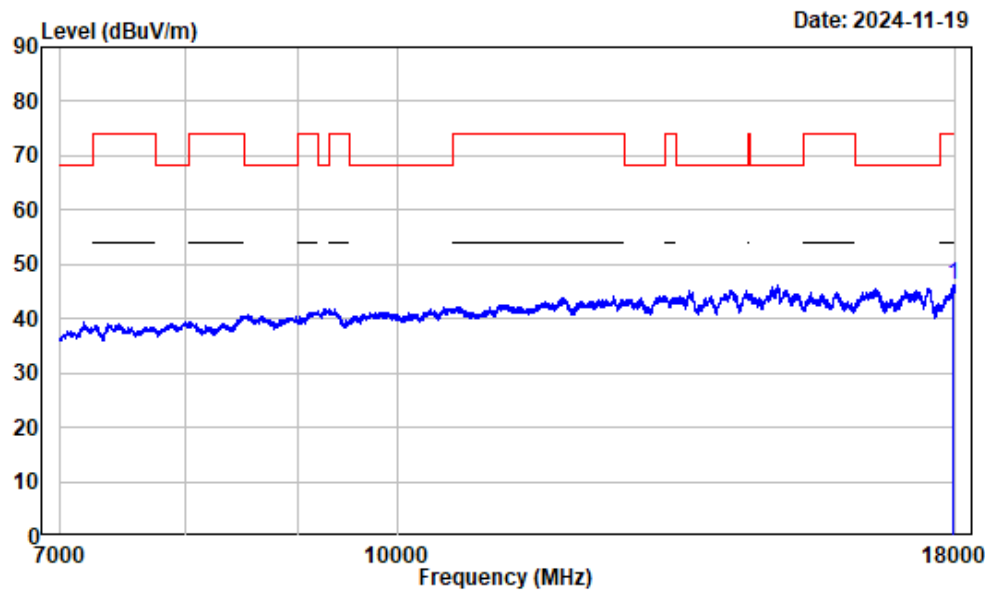
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

Freq		Factor	Read Level	Level	Limit	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	13.07	46.68	59.75	68.20	-8.45	Peak
2	17964.250	24.37	37.66	62.03	74.00	-11.97	Peak

7-18GHz_Vertical_Average

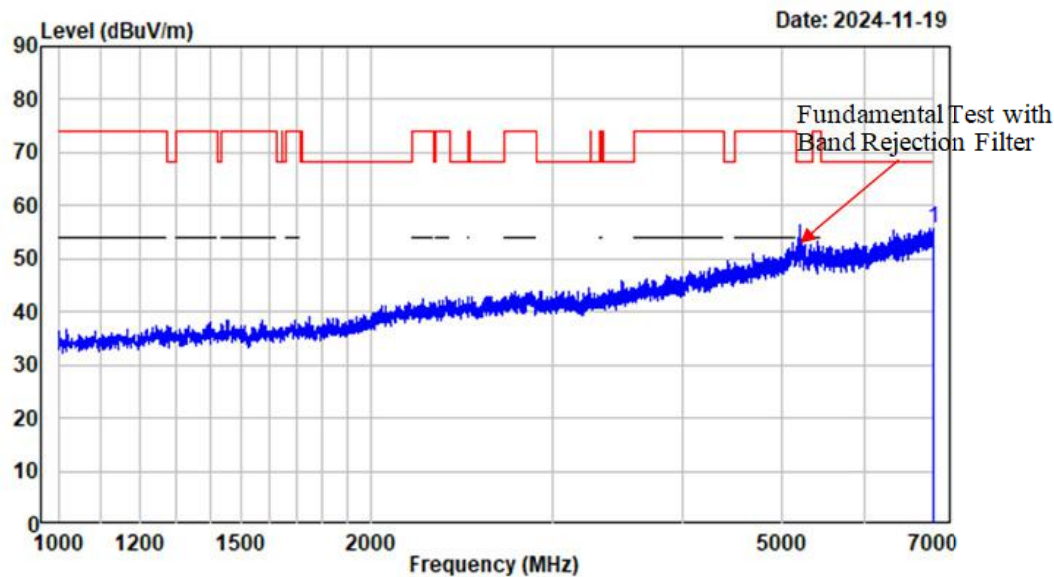


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N20-5180

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17954.620	24.30	21.90	46.20	54.00	-7.80	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

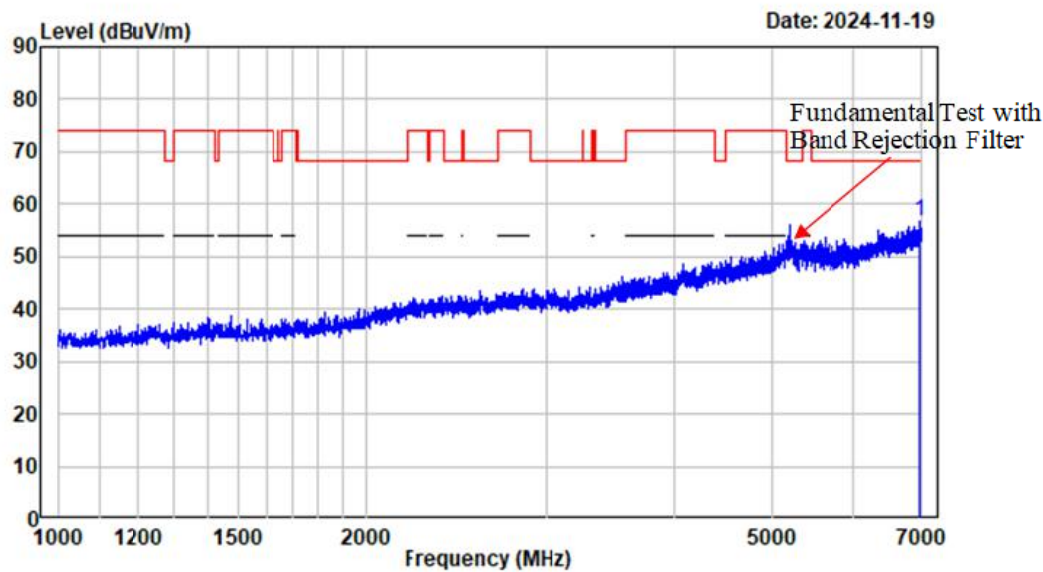
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6998.500	8.62	47.02	55.64	68.20	-12.56 Peak

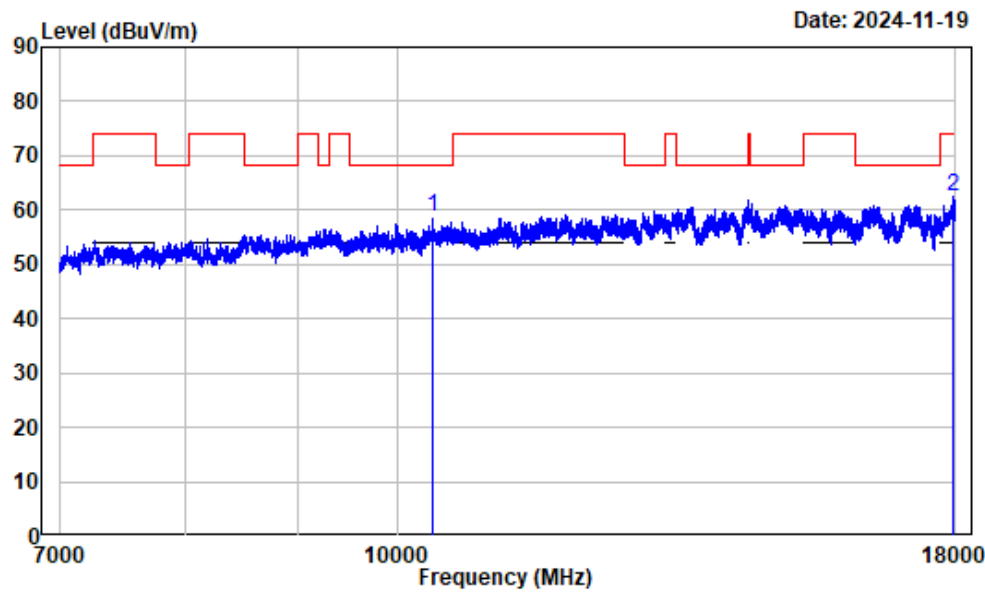
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6951.244	8.70	48.08	56.78	68.20	-11.42	Peak

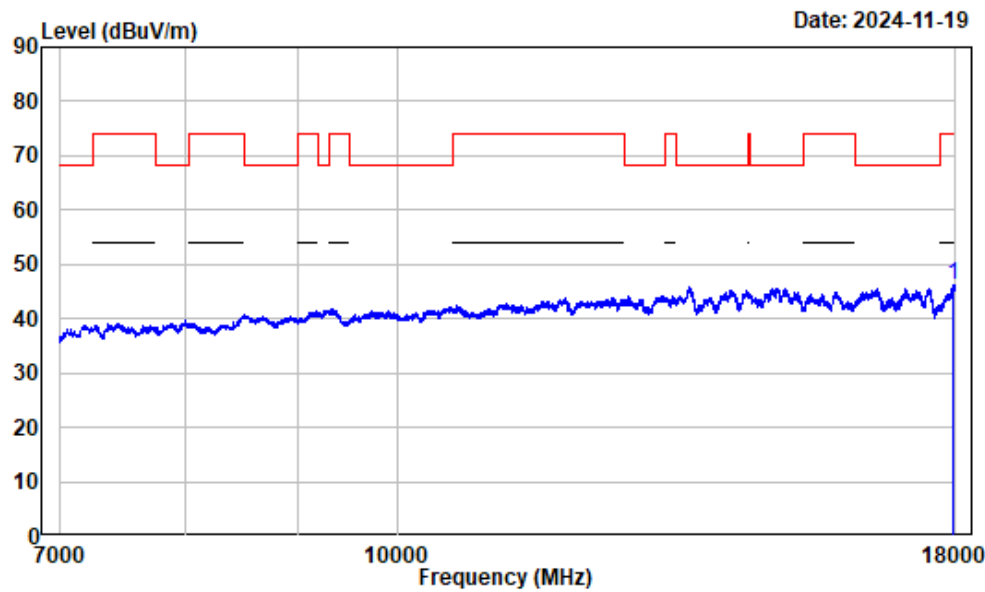
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

Freq		Factor	Read Level	Level	Limit	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 10380.000		13.09	45.75	58.84	68.20	-9.36	Peak
2 17961.500		24.35	37.99	62.34	74.00	-11.66	Peak

7-18GHz_Horizontal_Average

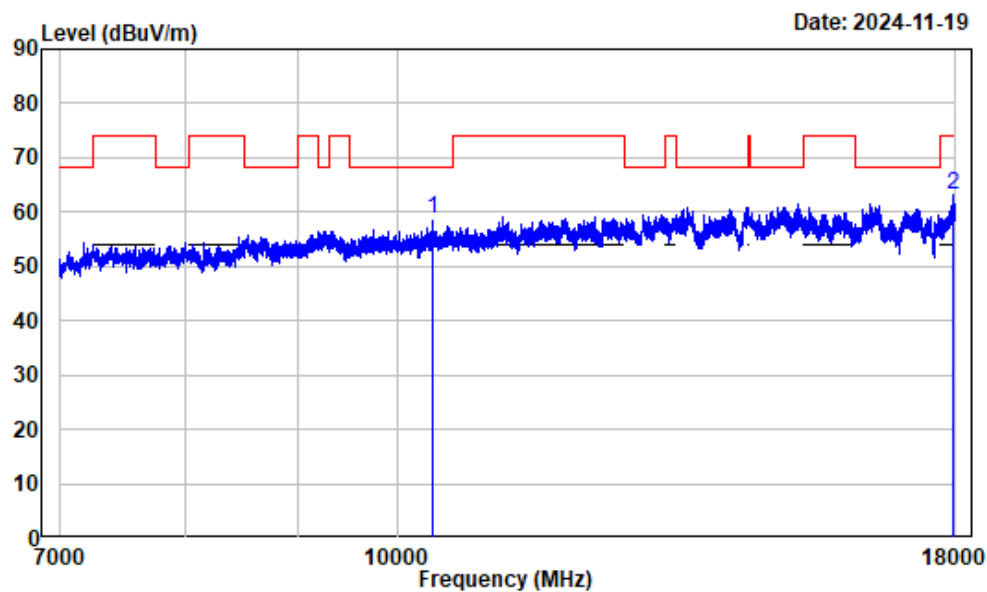


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17953.240		24.29	21.96	46.25	54.00	-7.75	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

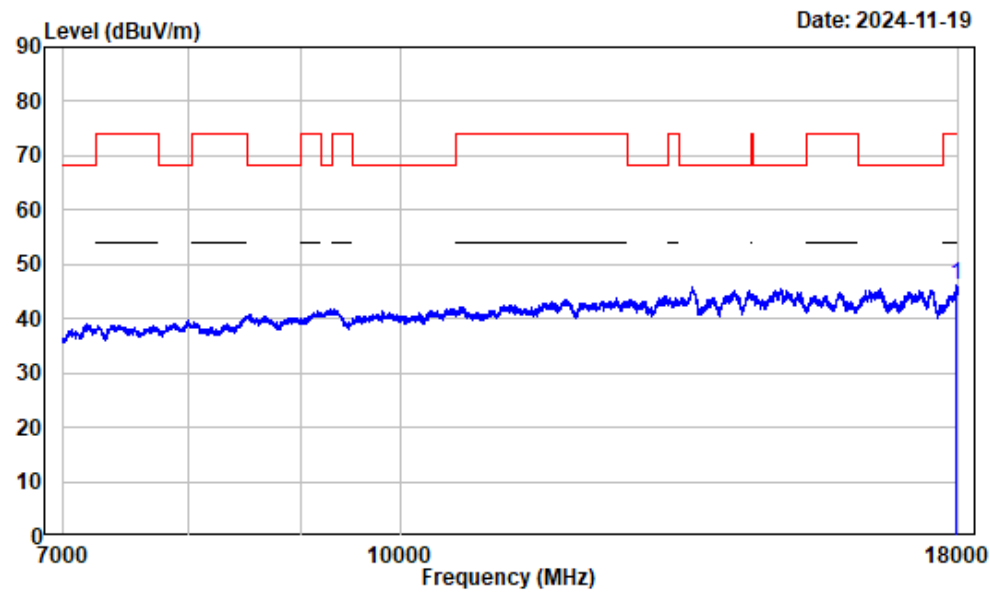
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10380.000	13.09	45.50	58.59	68.20	-9.61	Peak
2	17957.370	24.32	38.82	63.14	74.00	-10.86	Peak

7-18GHz_Vertical_Average

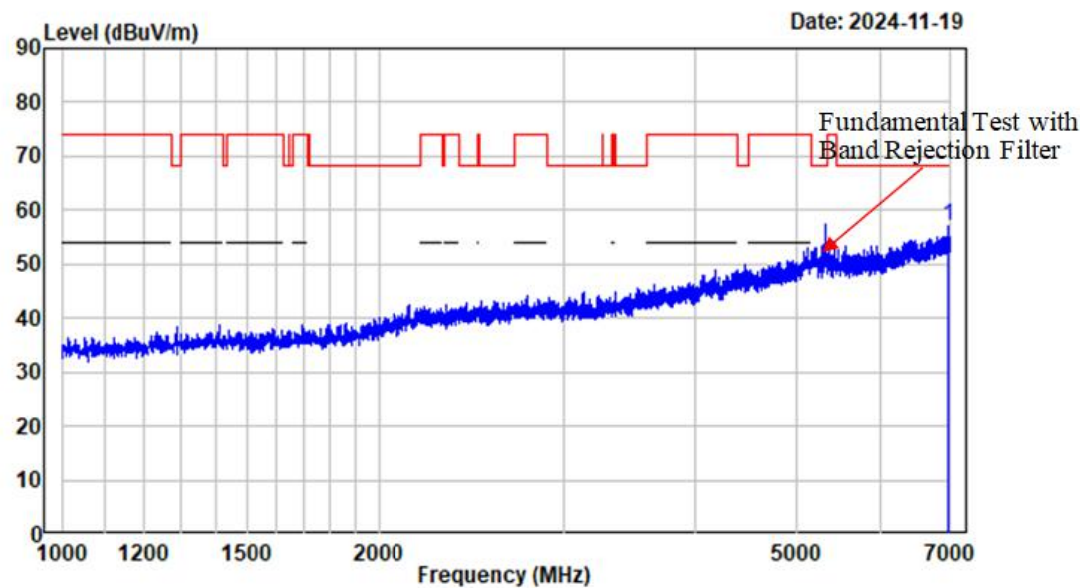


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-N40-5190

Freq	Factor	Read		Limit	Over	Remark
		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 17951.870	24.28	21.87	46.15	54.00	-7.85	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

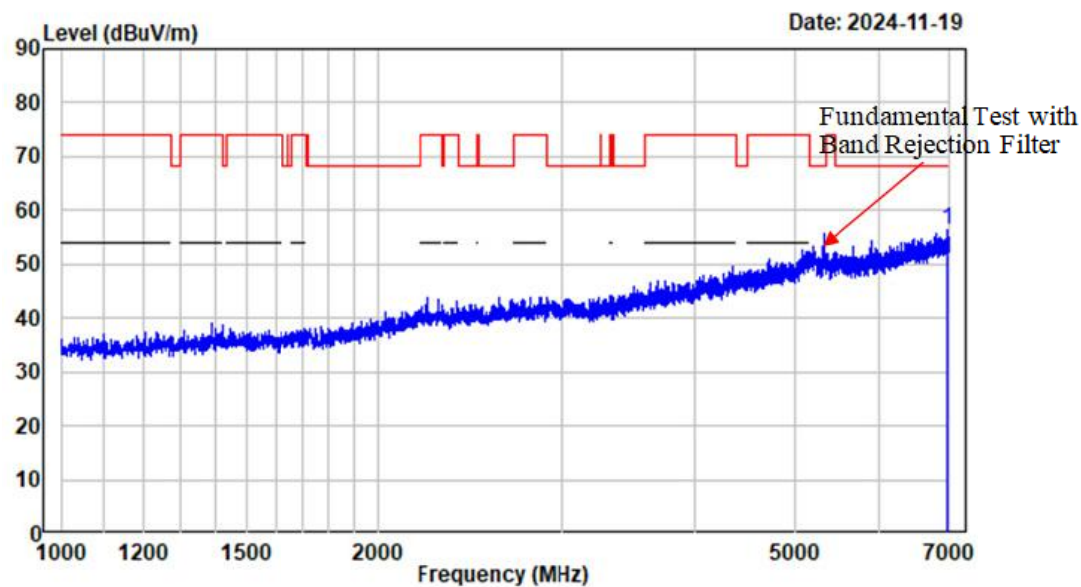
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

Freq Factor		Read Level		Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6951.244	8.70	48.47	57.17	68.20	-11.03 Peak

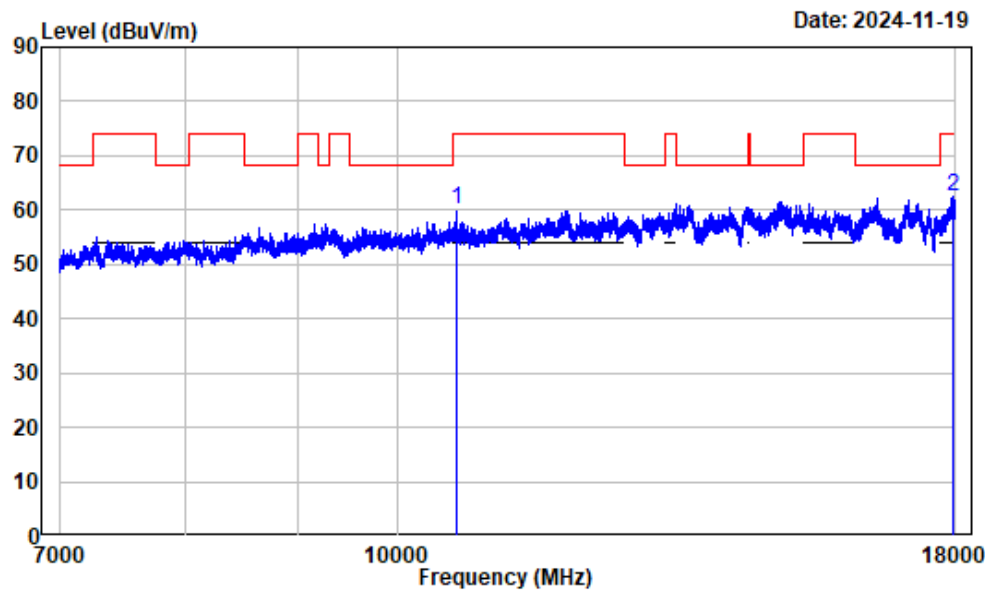
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6952.744	8.69	47.68	56.37	68.20	-11.83 Peak

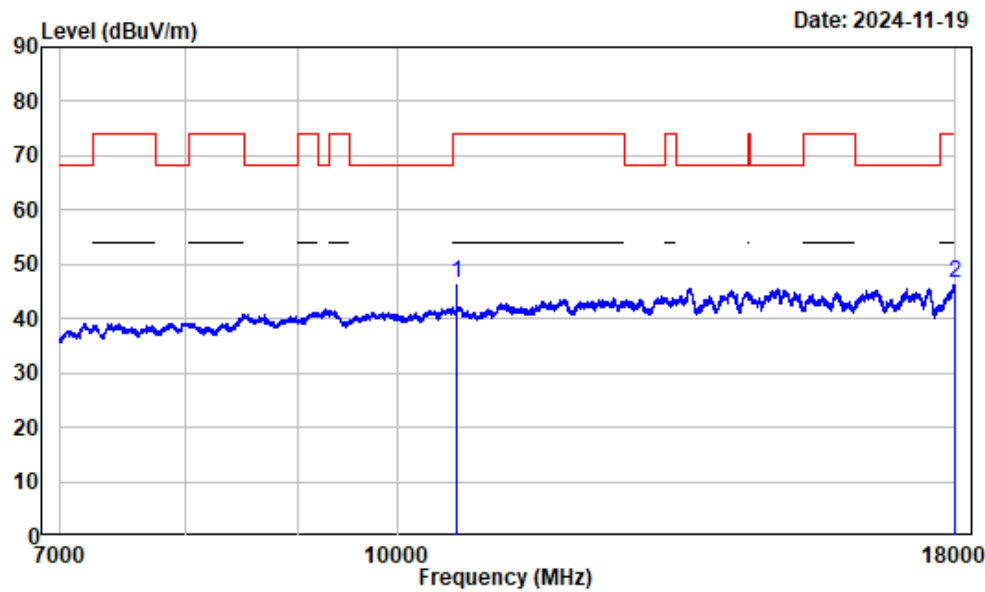
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	46.98	60.17	74.00	-13.83	Peak
2	17955.990	24.31	38.29	62.60	74.00	-11.40	Peak

7-18GHz_Horizontal_Average

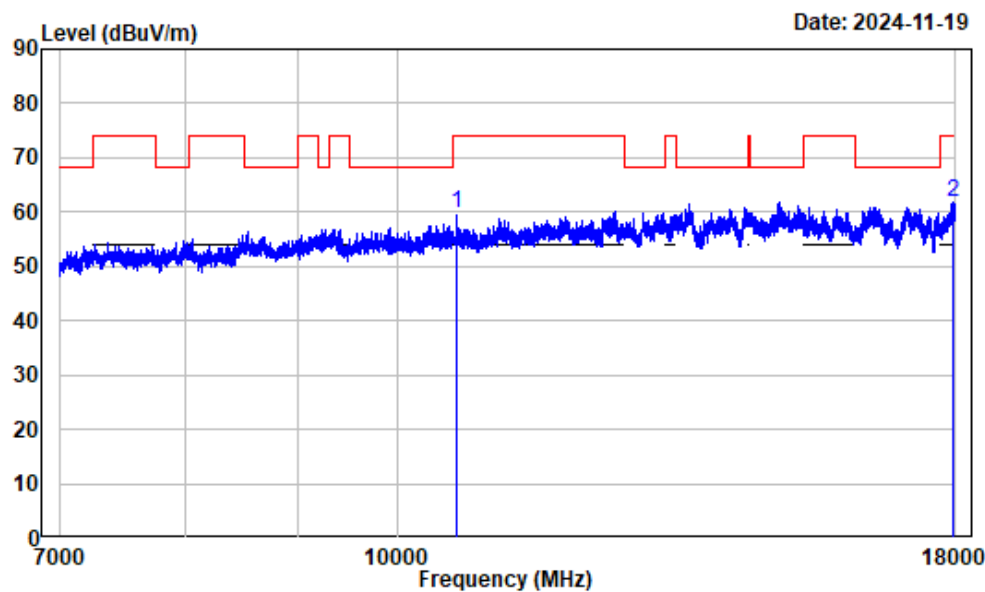


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 10640.000	13.19	33.25	46.44	54.00	-7.56	Average
2 17975.250	24.44	22.06	46.50	54.00	-7.50	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

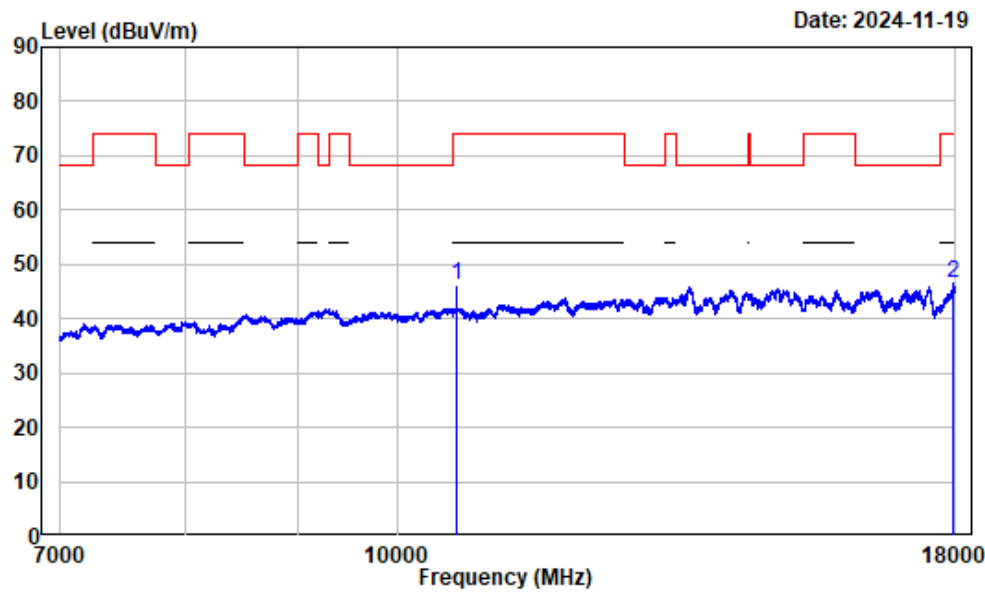
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	46.64	59.83	74.00	-14.17	Peak
2	17953.240	24.29	37.66	61.95	74.00	-12.05	Peak

7-18GHz_Vertical_Average

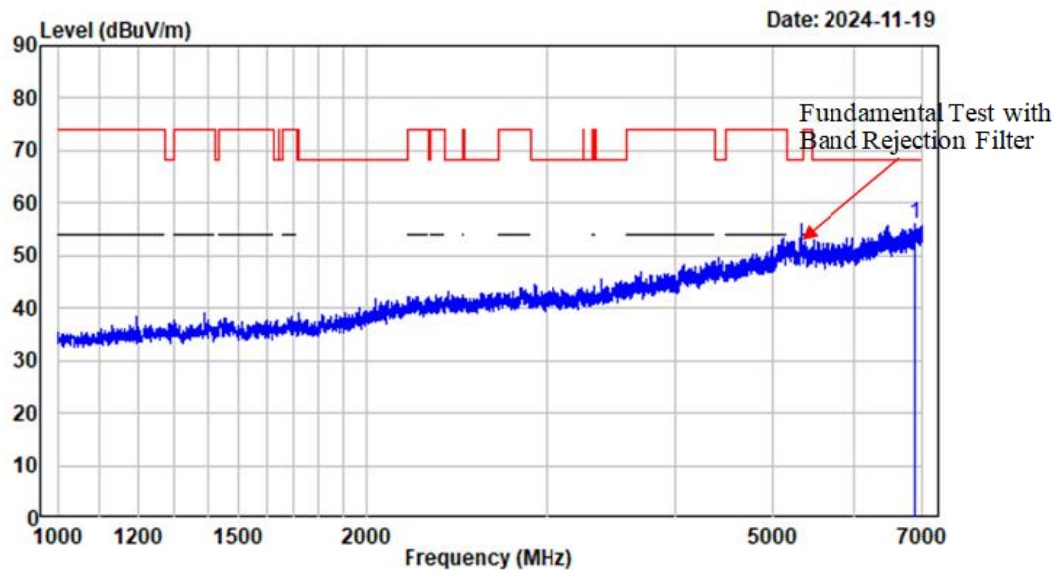


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-A-5320

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	32.96	46.15	54.00	-7.85	Average
2	17958.740	24.33	22.05	46.38	54.00	-7.62	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

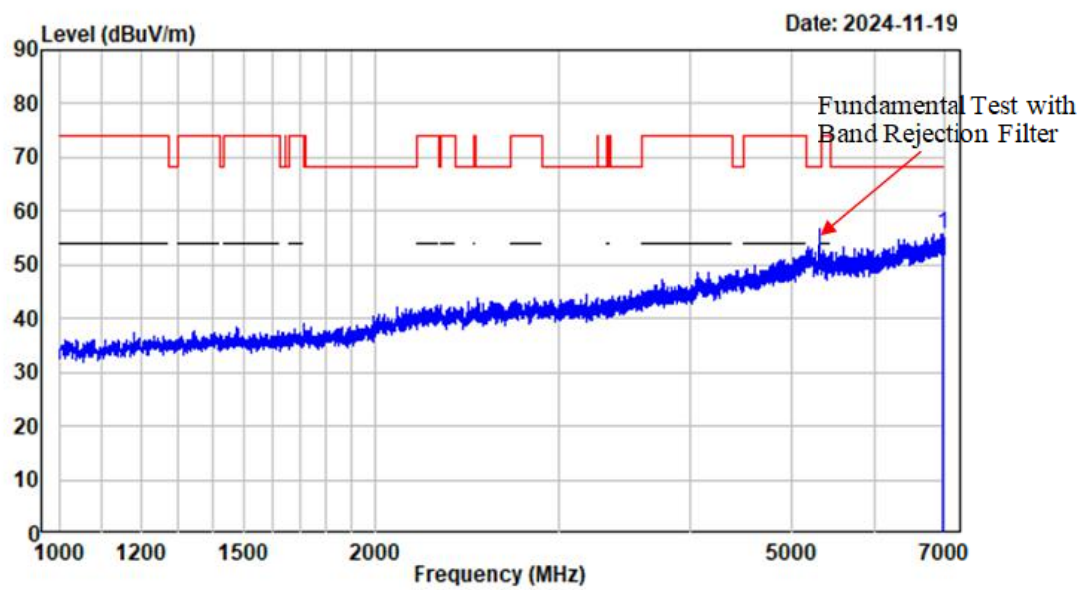
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6886.736	8.02	47.92	55.94	68.20	-12.26	Peak

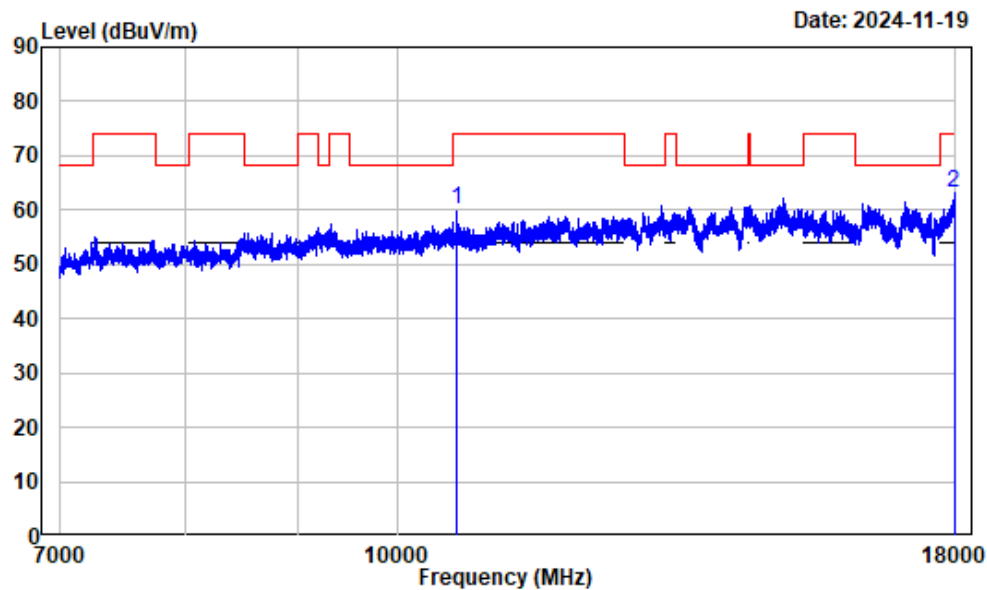
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6957.995	8.68	47.00	55.68	68.20	-12.52 Peak

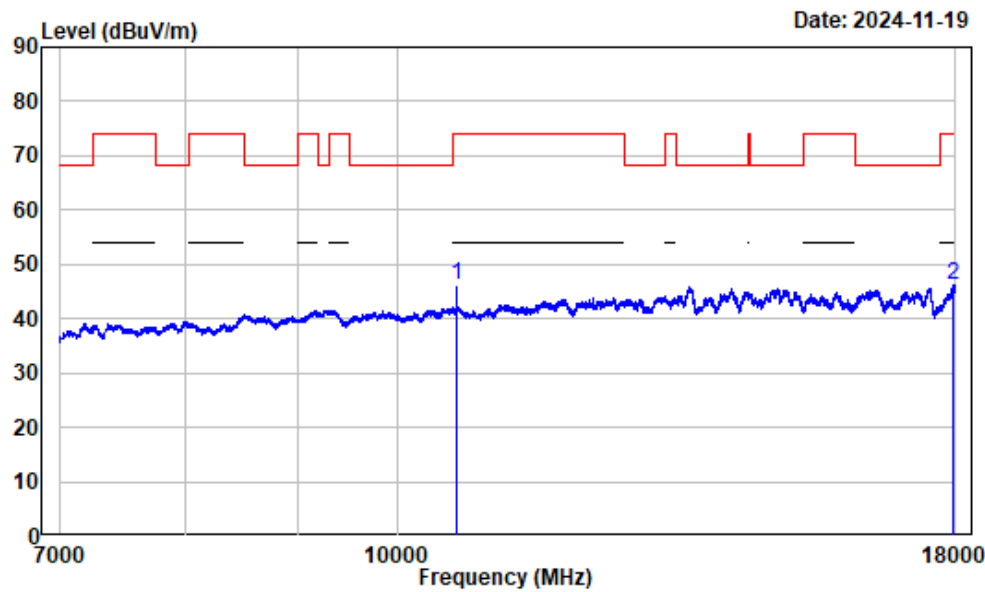
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

Freq		Factor	Read Level	Level	Limit	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	47.07	60.26	74.00	-13.74	Peak
2	17972.500	24.43	38.58	63.01	74.00	-10.99	Peak

7-18GHz_Horizontal_Average

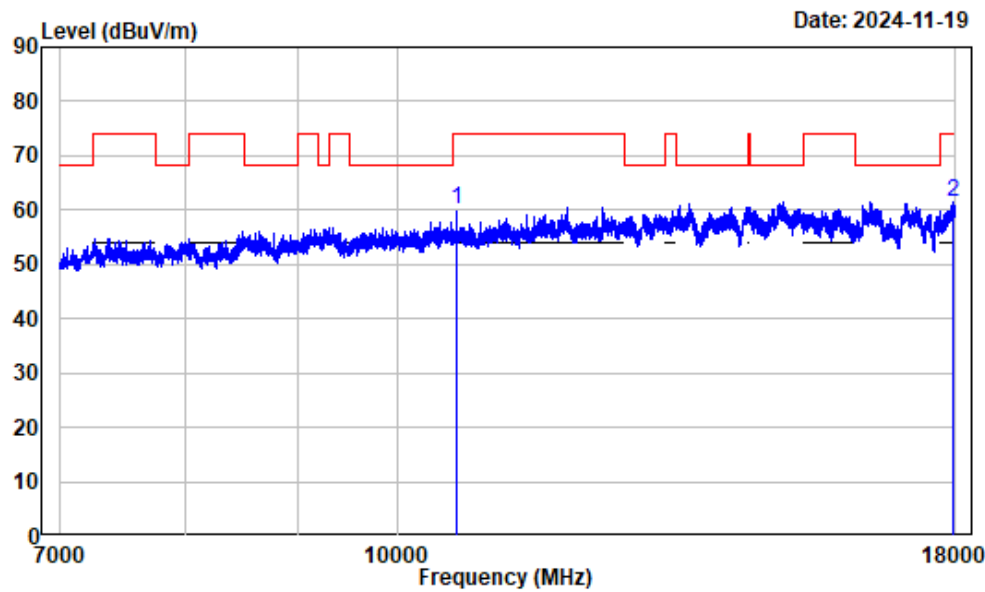


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 10640.000	13.19	33.16	46.35	54.00	-7.65	Average
2 17958.740	24.33	21.83	46.16	54.00	-7.84	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

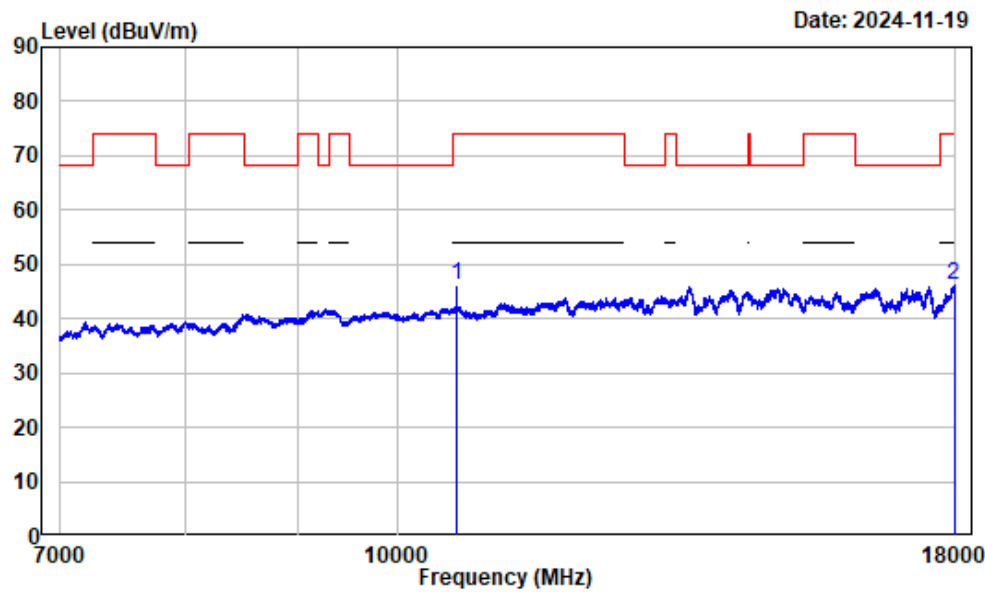
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	46.75	59.94	74.00	-14.06	Peak
2	17962.870	24.36	37.21	61.57	74.00	-12.43	Peak

7-18GHz_Vertical_Average

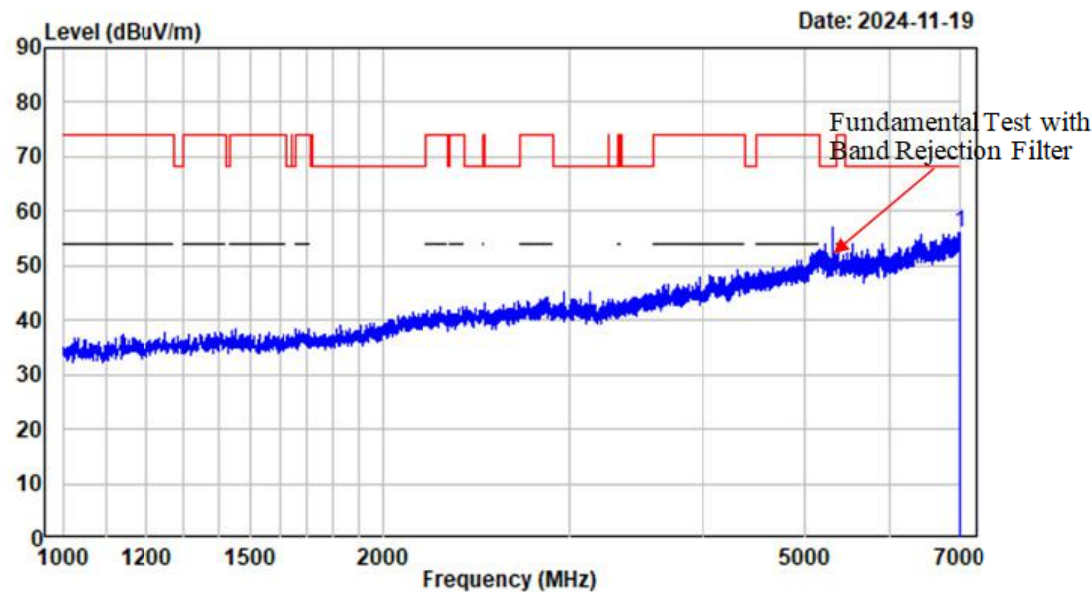


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N20-5320

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	32.93	46.12	54.00	-7.88	Average
2	17972.500	24.43	21.74	46.17	54.00	-7.83	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

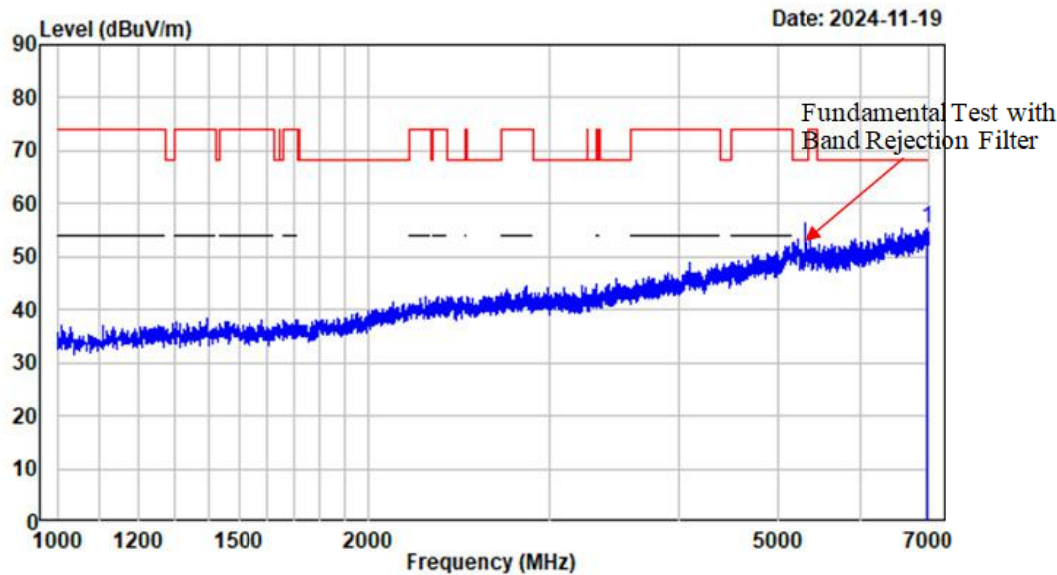
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6985.748	8.64	47.55	56.19	68.20	-12.01 Peak

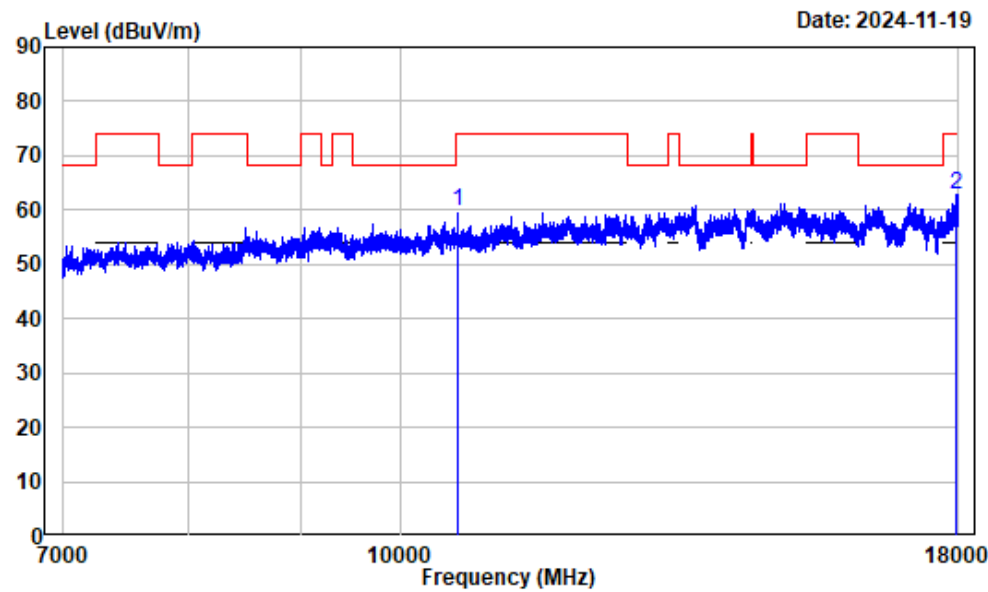
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6956.495	8.68	46.69	55.37	68.20	-12.83 Peak

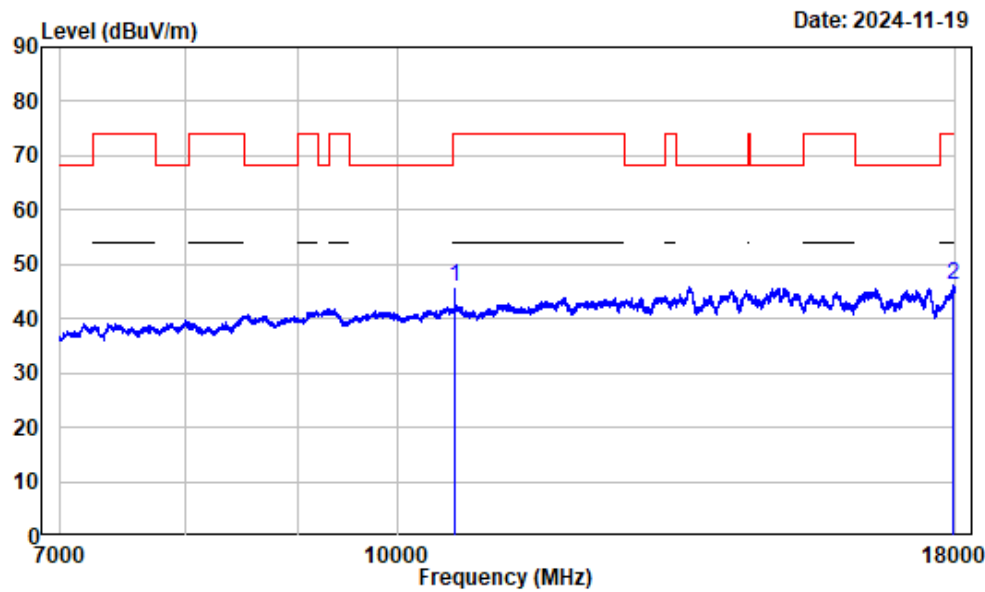
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 10620.000	13.09	46.64	59.73	74.00	-14.27	Peak
2 17953.240	24.29	38.47	62.76	74.00	-11.24	Peak

7-18GHz_Horizontal_Average

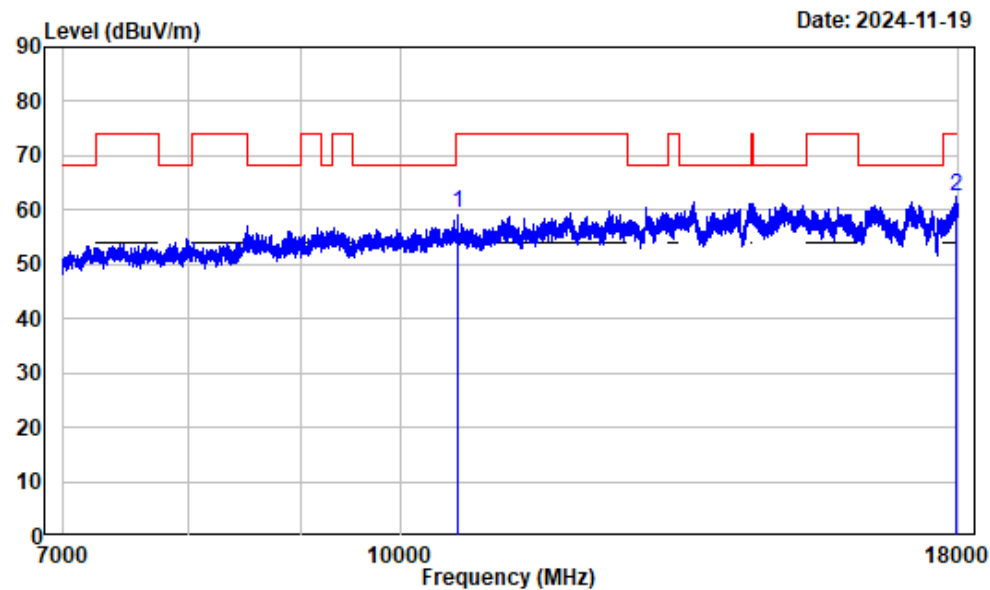


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 10620.000	13.09	32.78	45.87	54.00	-8.13	Average
2 17946.370	24.23	21.94	46.17	54.00	-7.83	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

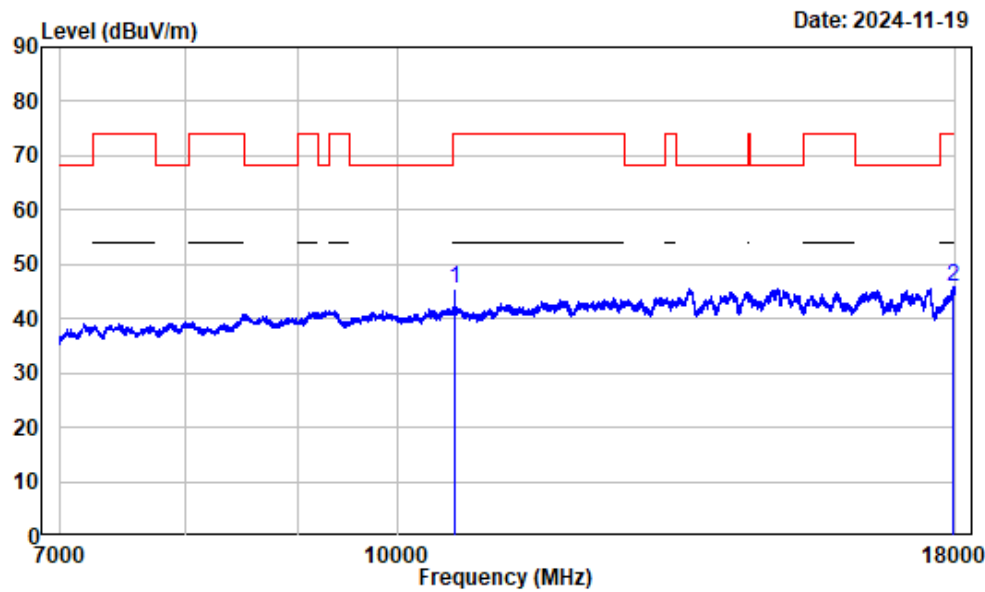
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

Freq		Factor	Read Level	Level	Limit	Over	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10620.000	13.09	46.32	59.41	74.00	-14.59	Peak
2	17951.870	24.28	38.33	62.61	74.00	-11.39	Peak

7-18GHz_Vertical_Average

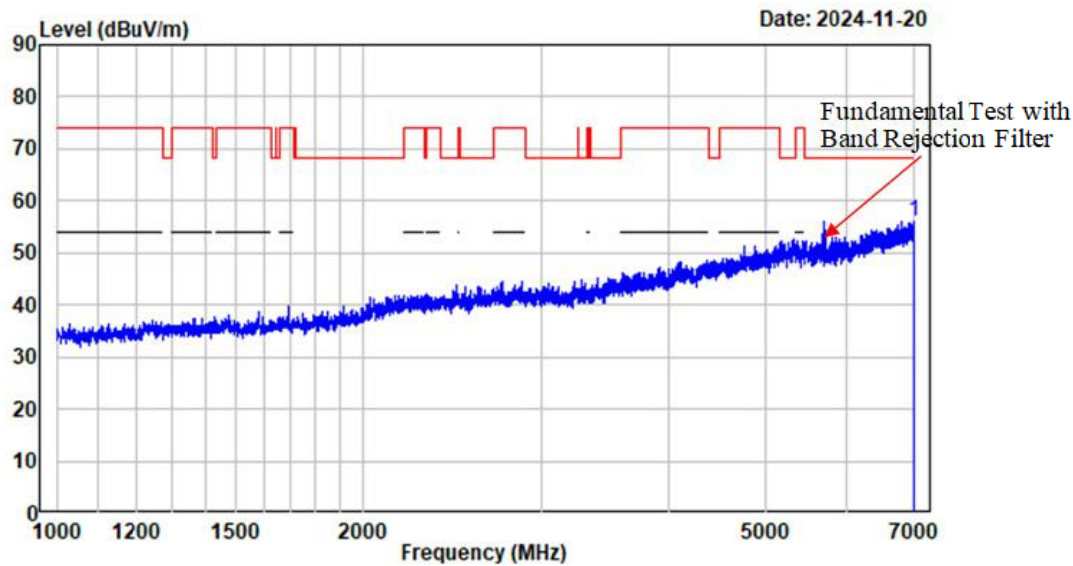


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band2-N40-5310

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 10620.000	13.09	32.57	45.66	54.00	-8.34	Average
2 17965.620	24.38	21.58	45.96	54.00	-8.04	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

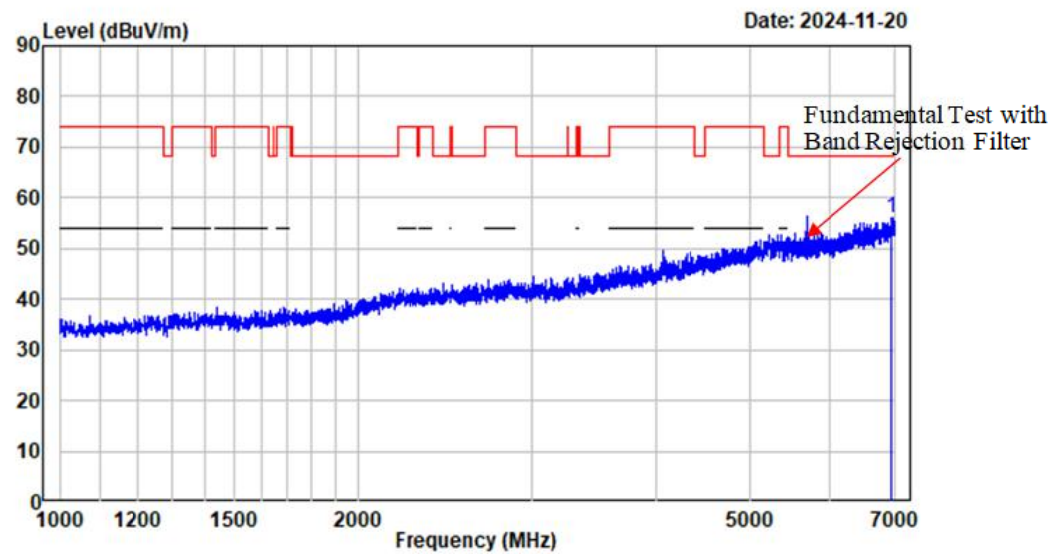
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6992.499	8.62	47.54	56.16	68.20	-12.04	Peak

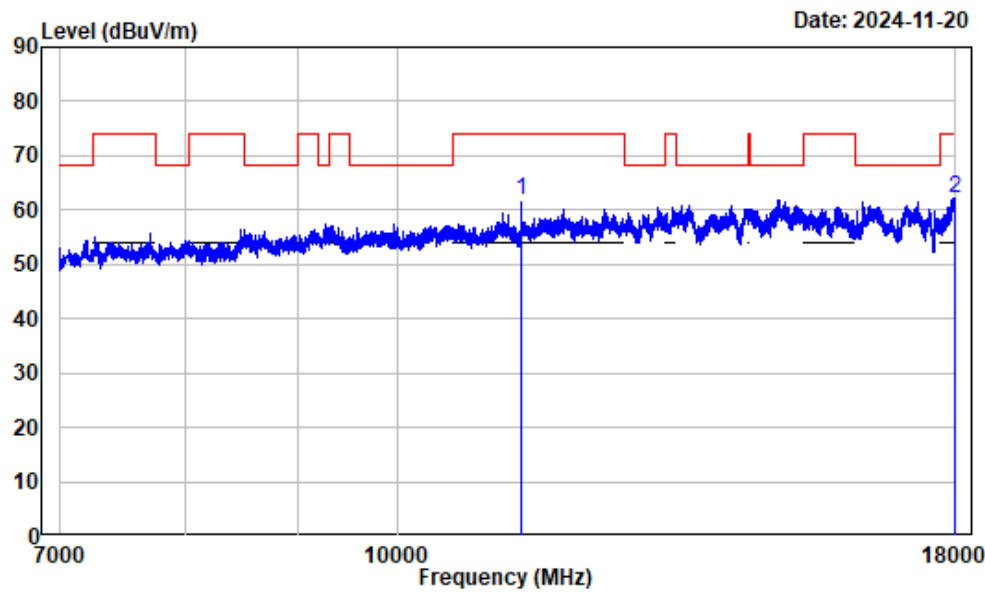
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6928.741	8.44	47.64	56.08	68.20	-12.12	Peak

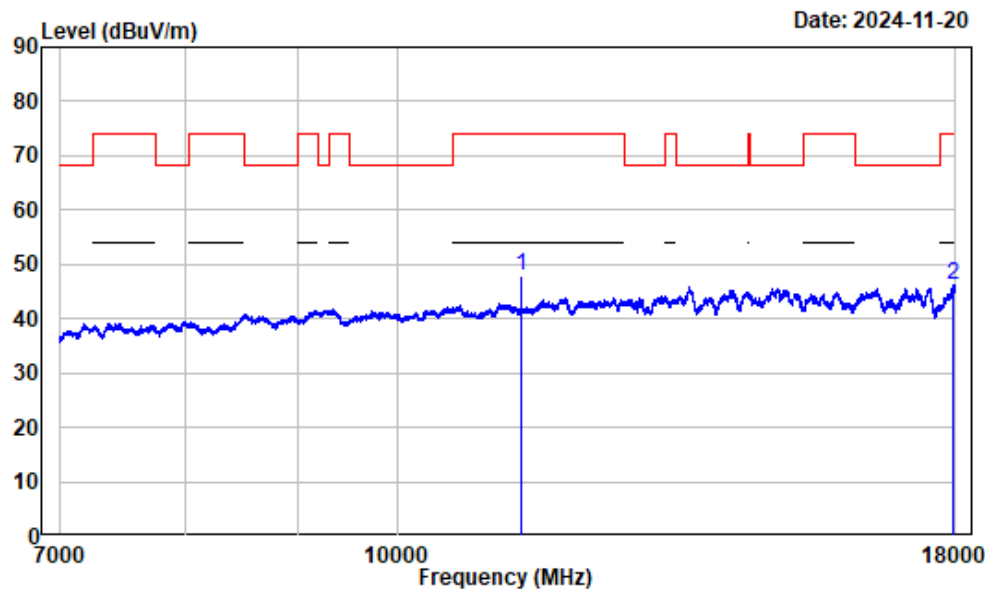
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11400.000	14.08	47.74	61.82	74.00	-12.18	Peak
2	17976.620	24.45	37.60	62.05	74.00	-11.95	Peak

7-18GHz_Horizontal_Average

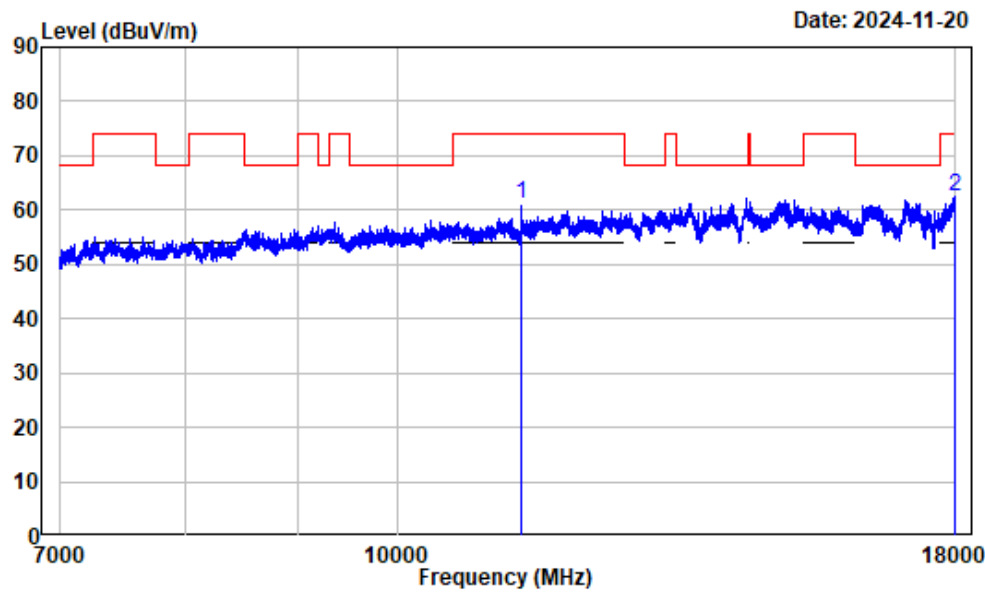


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

Freq		Factor	Read Level	Level	Limit	Over	Remark
					Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11400.000	14.08	33.81	47.89	54.00	-6.11	Average
2	17955.990	24.31	21.87	46.18	54.00	-7.82	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

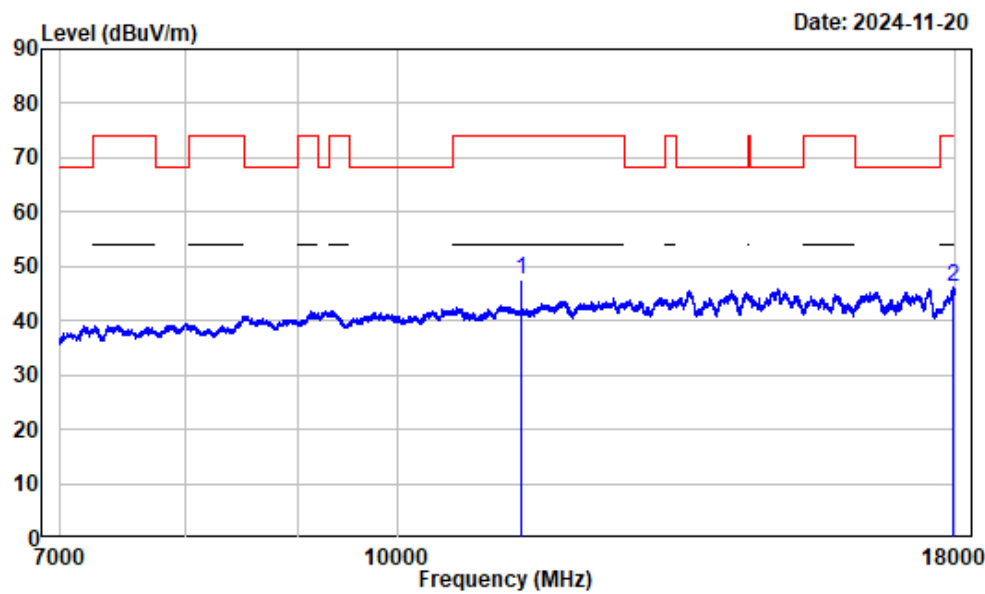
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11400.000	14.08	47.18	61.26	74.00	-12.74	Peak
2	17975.250	24.44	38.06	62.50	74.00	-11.50	Peak

7-18GHz_Vertical_Average

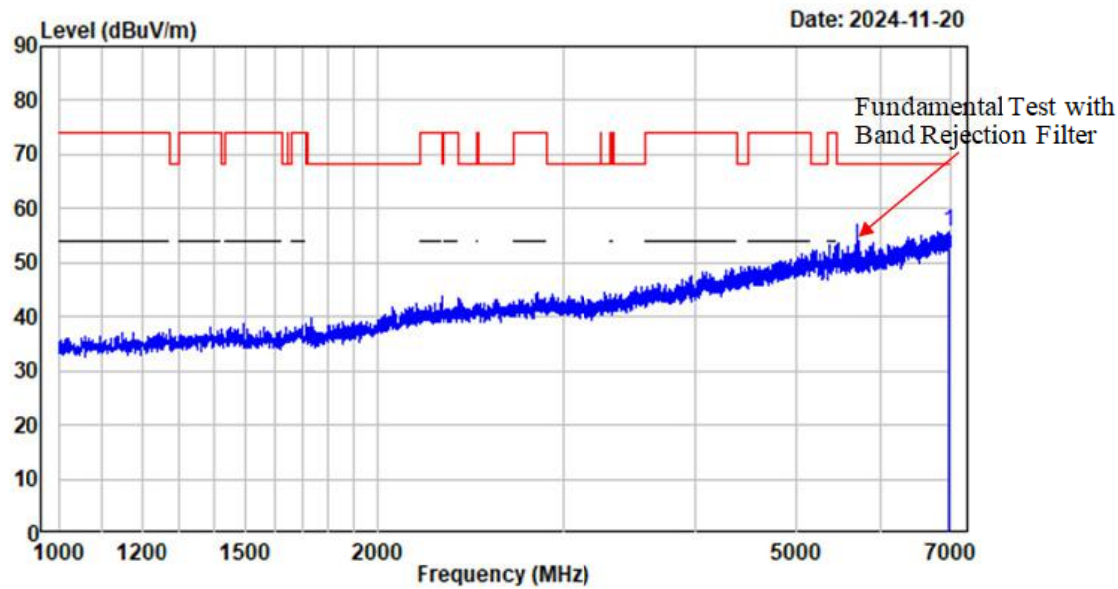


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-A-5700

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11400.000	14.08	33.46	47.54	54.00	-6.46	Average
2 17958.740	24.33	21.87	46.20	54.00	-7.80	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

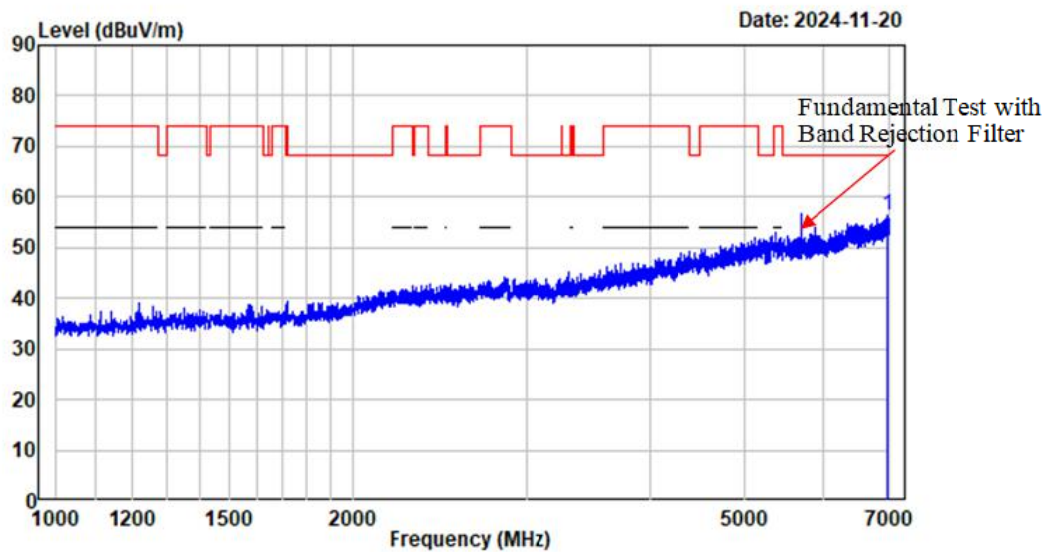
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6961.745	8.68	47.00	55.68	68.20	-12.52	Peak

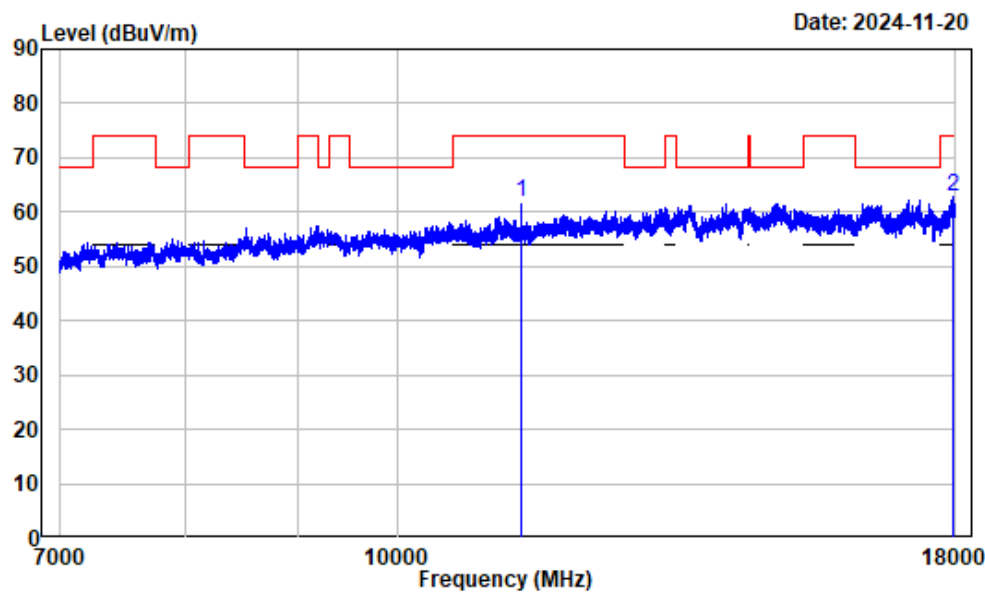
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

Freq Factor		Read Level	Level	Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6958.745	8.68	47.54	56.22	68.20	-11.98 Peak

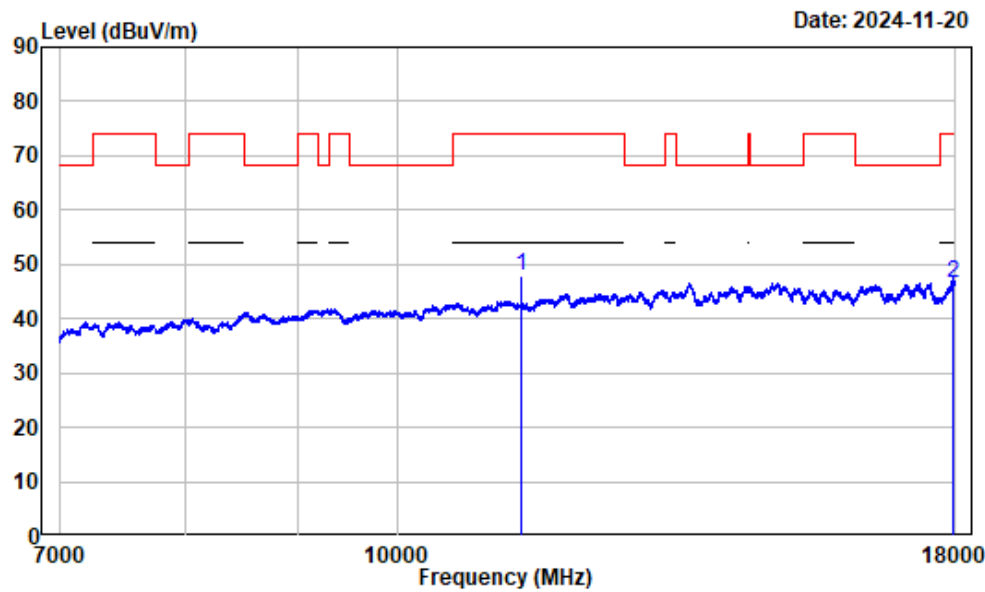
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

Freq		Factor	Read Level	Level	Limit	Over	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11400.000	14.08	47.82	61.90	74.00	-12.10	Peak
2	17951.870	24.28	38.64	62.92	74.00	-11.08	Peak

7-18GHz_Horizontal_Average

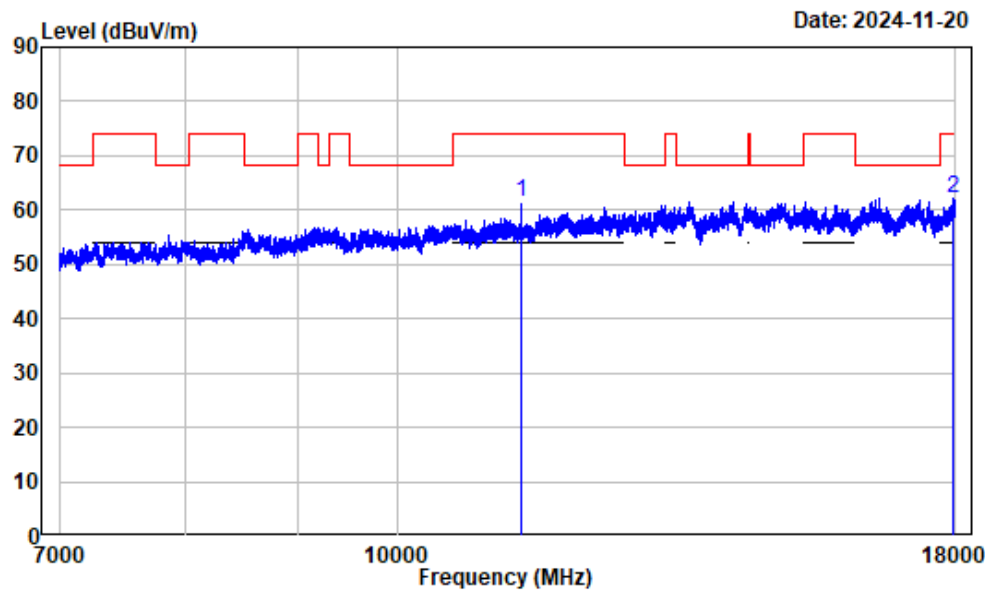


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11400.000	14.08	33.73	47.81	54.00	-6.19	Average
2 17962.870	24.36	22.19	46.55	54.00	-7.45	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

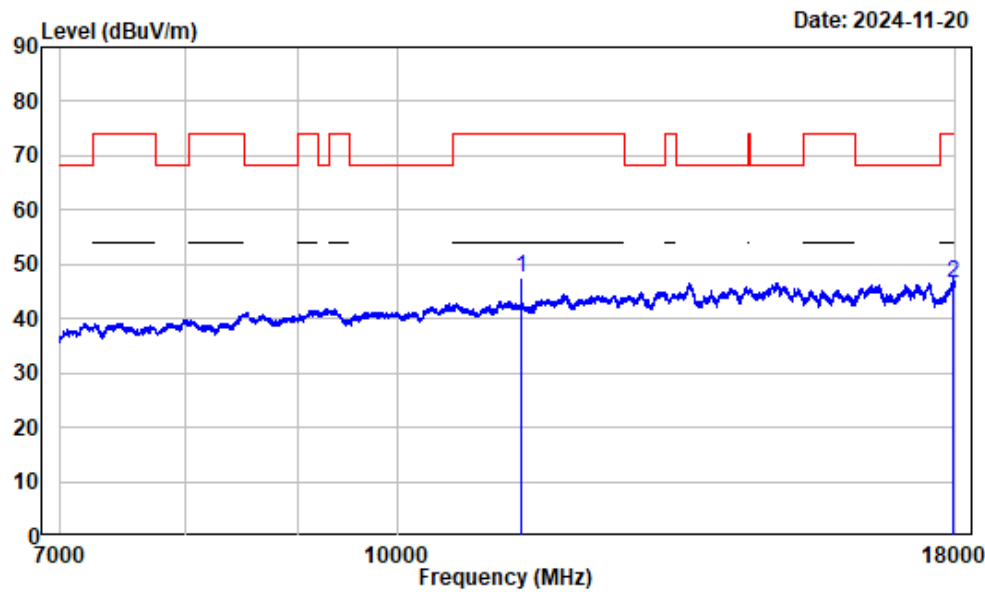
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

		Read		Limit	Over	Remark
Freq		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11400.000	14.08	47.29	61.37	74.00	-12.63	Peak
2 17969.750	24.41	37.78	62.19	74.00	-11.81	Peak

7-18GHz_Vertical_Average

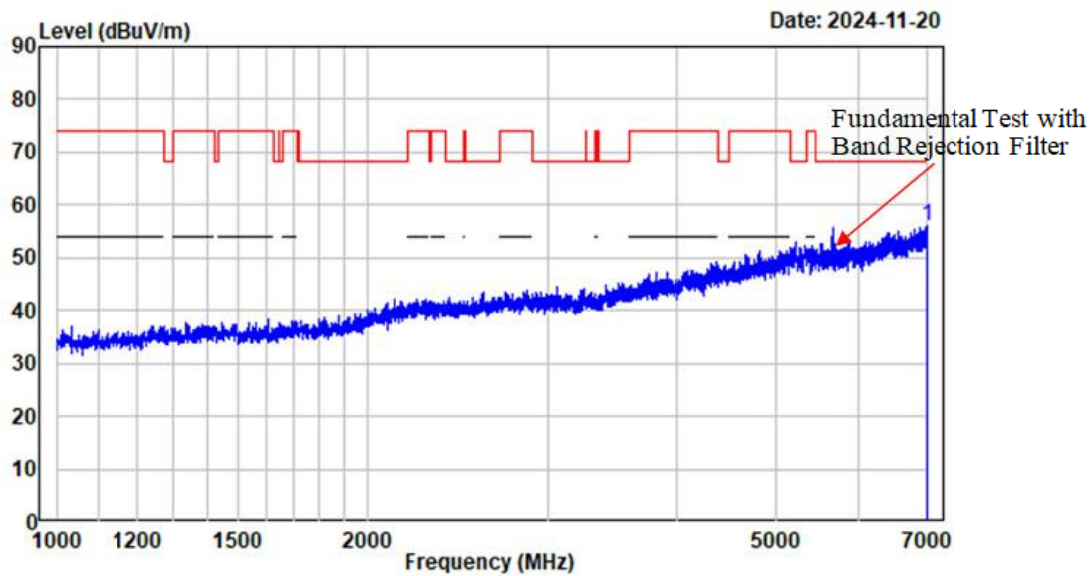


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N20-5700

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11400.000	14.08	33.38	47.46	54.00	-6.54	Average
2 17962.870	24.36	22.16	46.52	54.00	-7.48	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

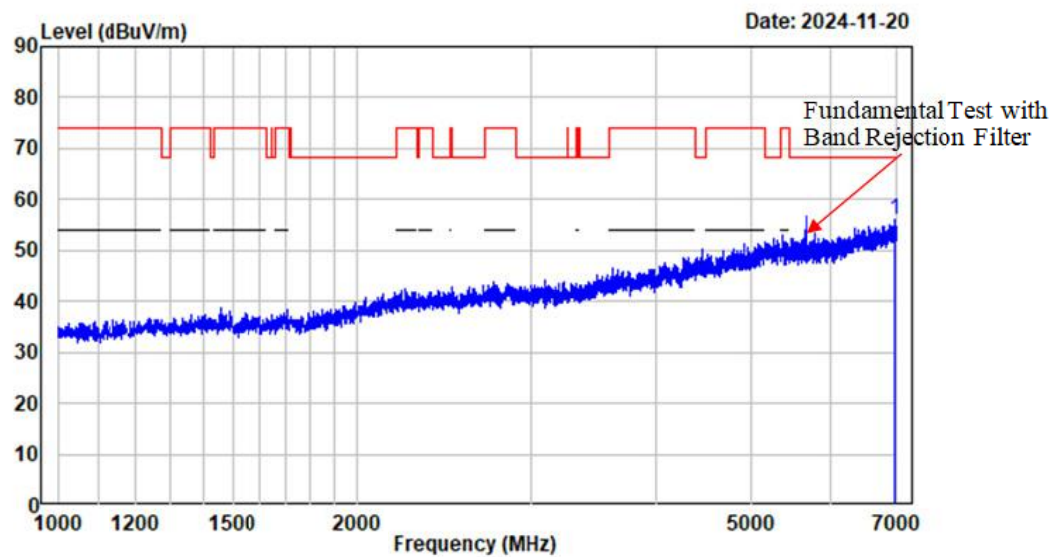
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

	Freq Factor		Read	Level	Limit	Over	Remark
	MHz	dB/m	Level	dBuV/m	Line	Limit	
1	6999.250	8.61	47.43	56.04	68.20	-12.16	Peak

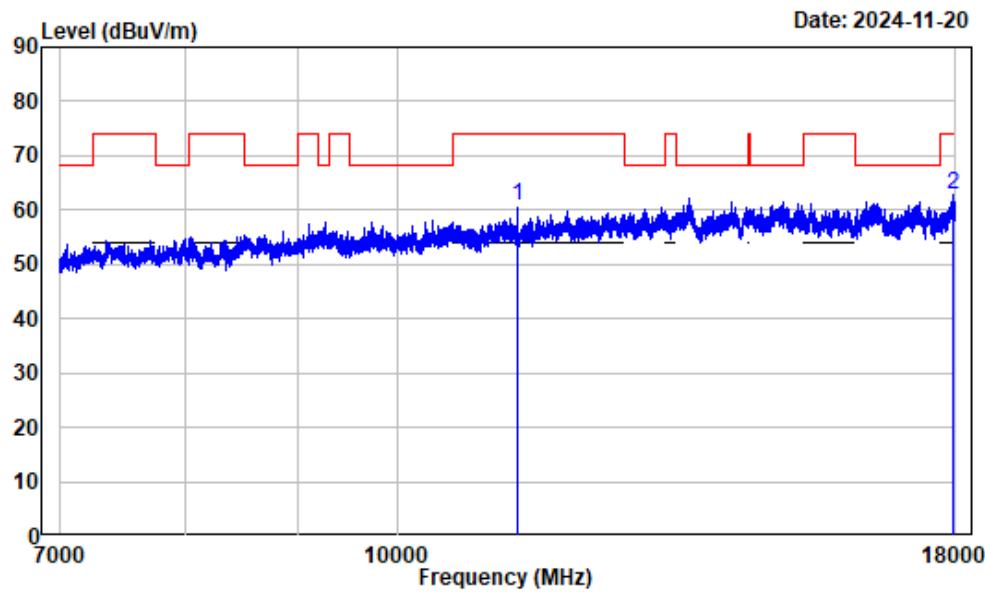
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6969.996	8.66	47.34	56.00	68.20	-12.20 Peak

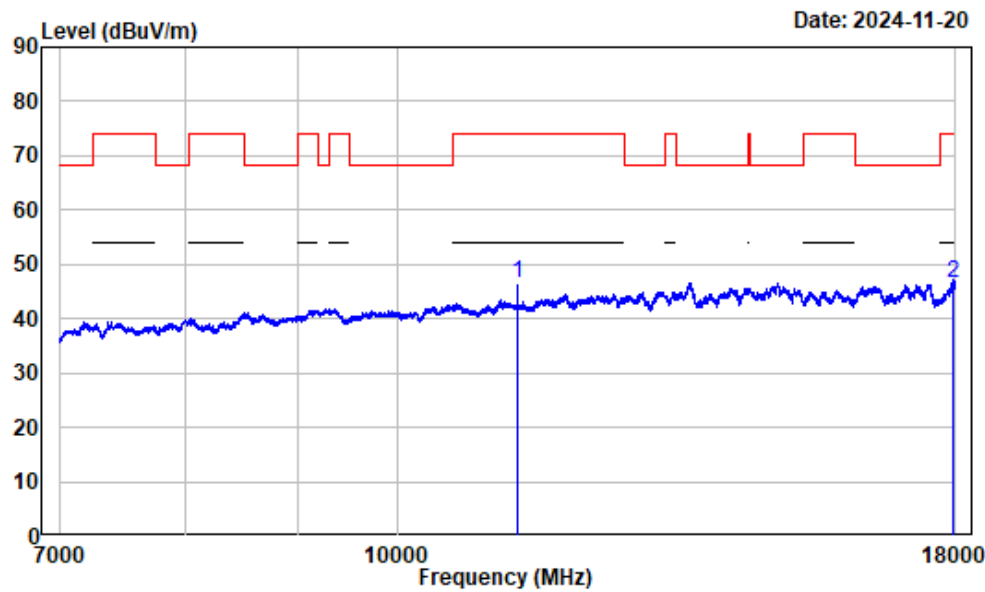
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

Freq		Factor	Read Level	Level	Limit	Over	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11340.000	13.99	46.89	60.88	74.00	-13.12	Peak
2	17965.620	24.38	38.39	62.77	74.00	-11.23	Peak

7-18GHz_Horizontal_Average

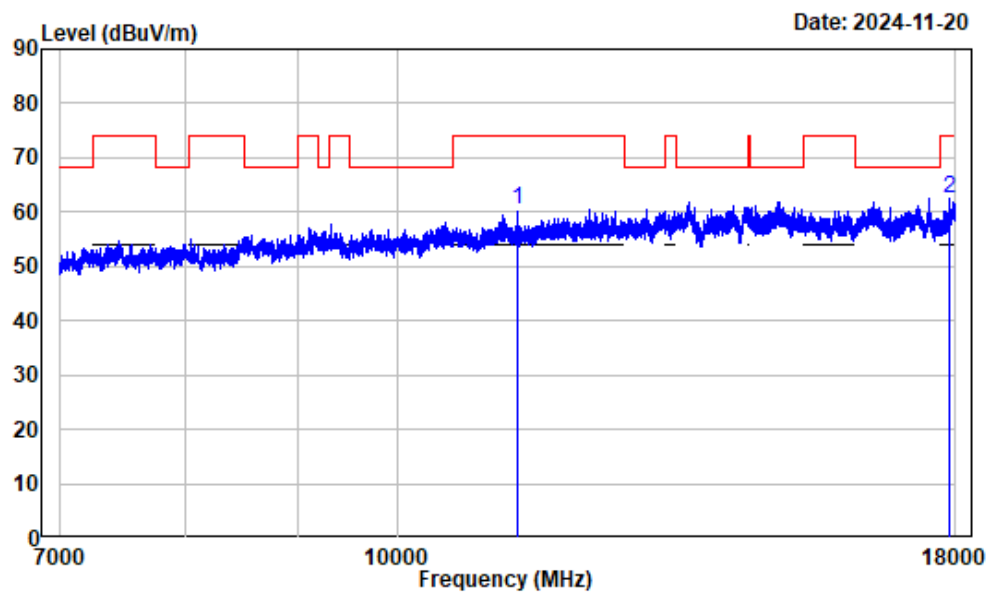


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11340.000	13.99	32.48	46.47	54.00	-7.53	Average
2 17962.870	24.36	22.28	46.64	54.00	-7.36	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

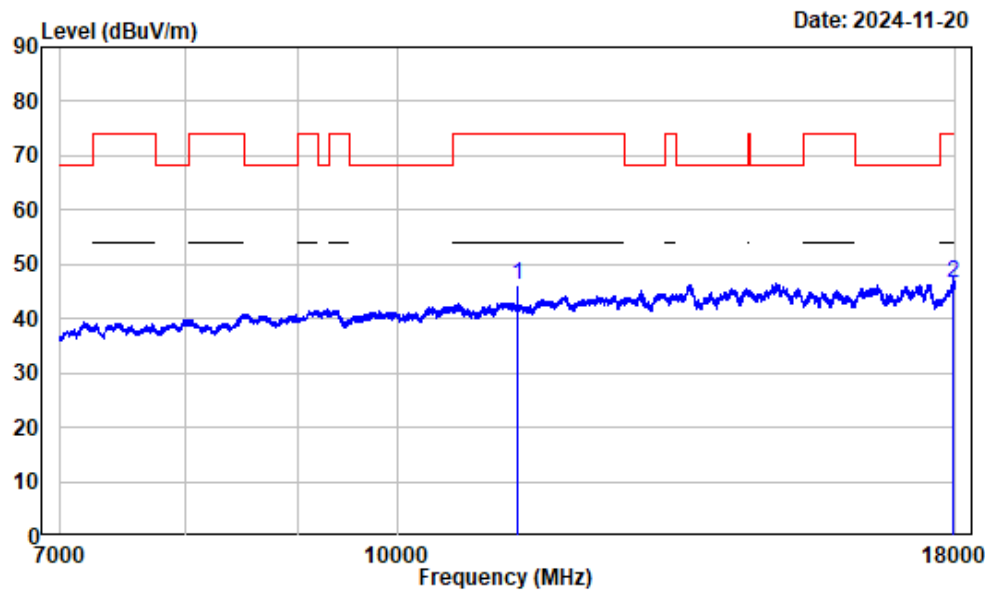
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11340.000	13.99	46.54	60.53	74.00	-13.47	Peak
2	17887.240	23.71	38.90	62.61	74.00	-11.39	Peak

7-18GHz_Vertical_Average

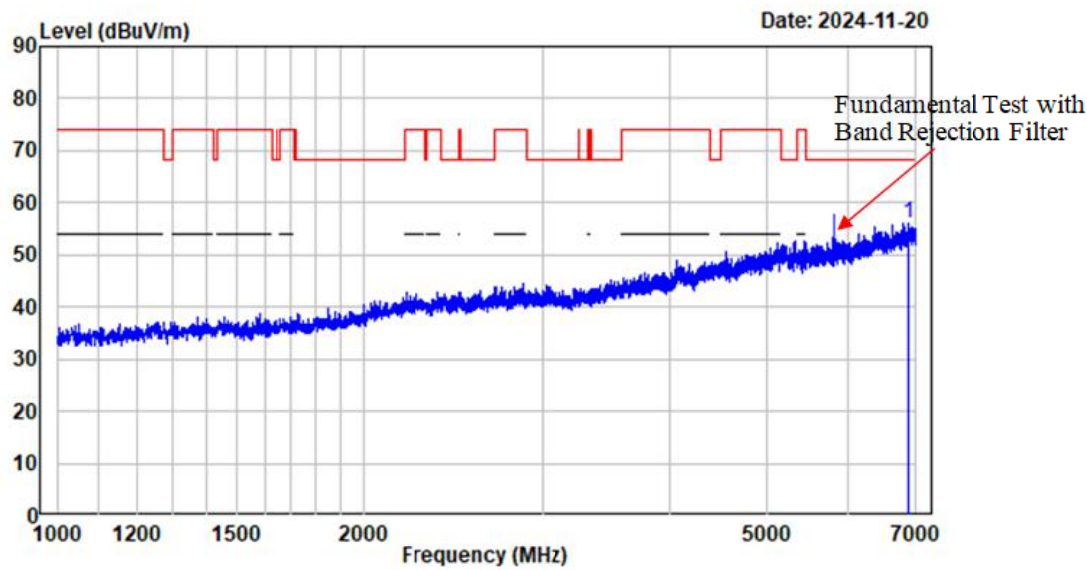


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band3-N40-5670

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11340.000	13.99	32.30	46.29	54.00	-7.71	Average
2 17967.000	24.39	22.00	46.39	54.00	-7.61	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

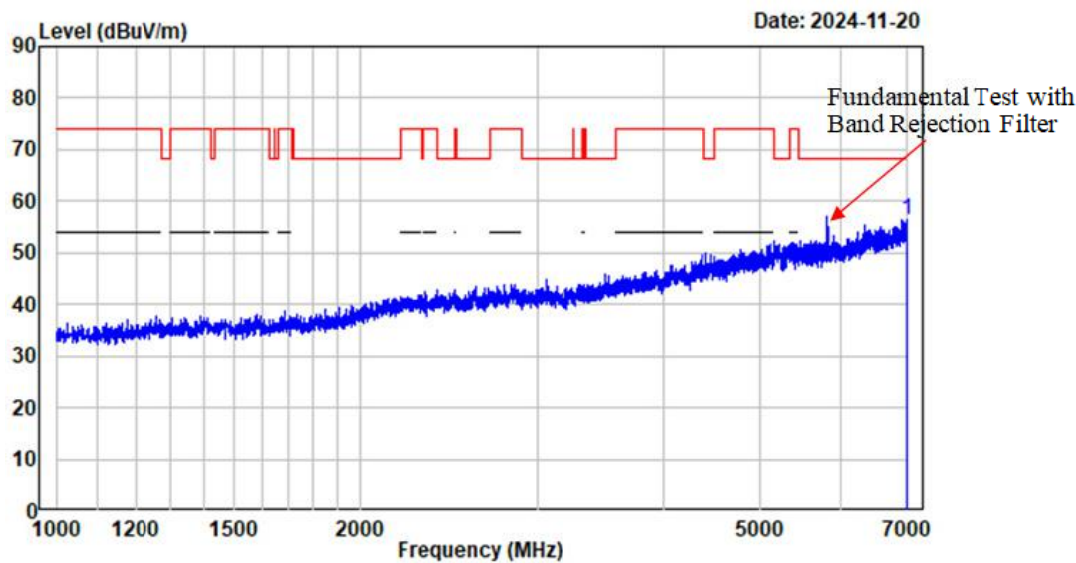
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6873.984	7.97	48.18	56.15	68.20	-12.05 Peak

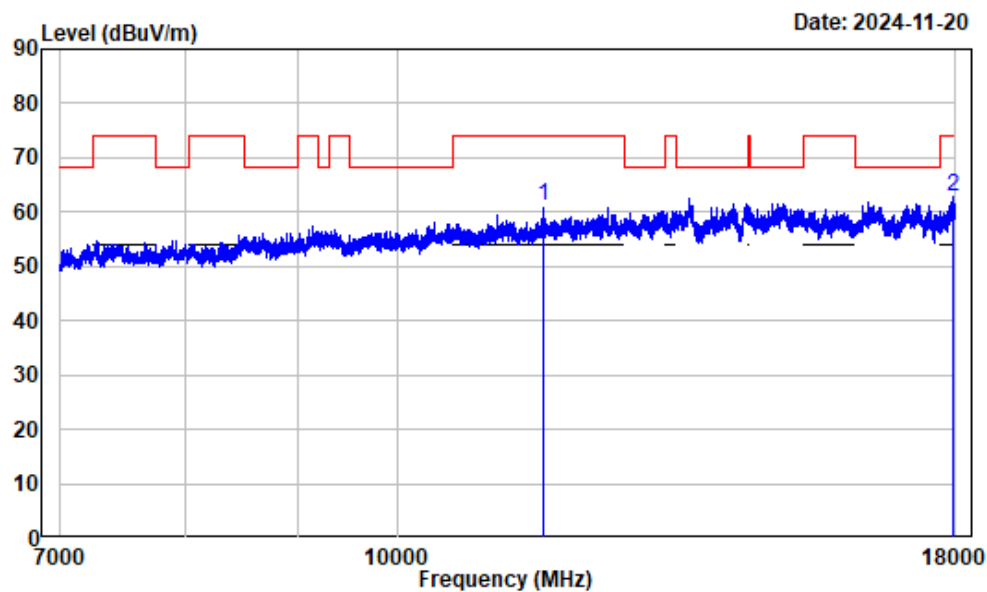
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 6990.999	8.63	47.87	56.50	68.20	-11.70	Peak

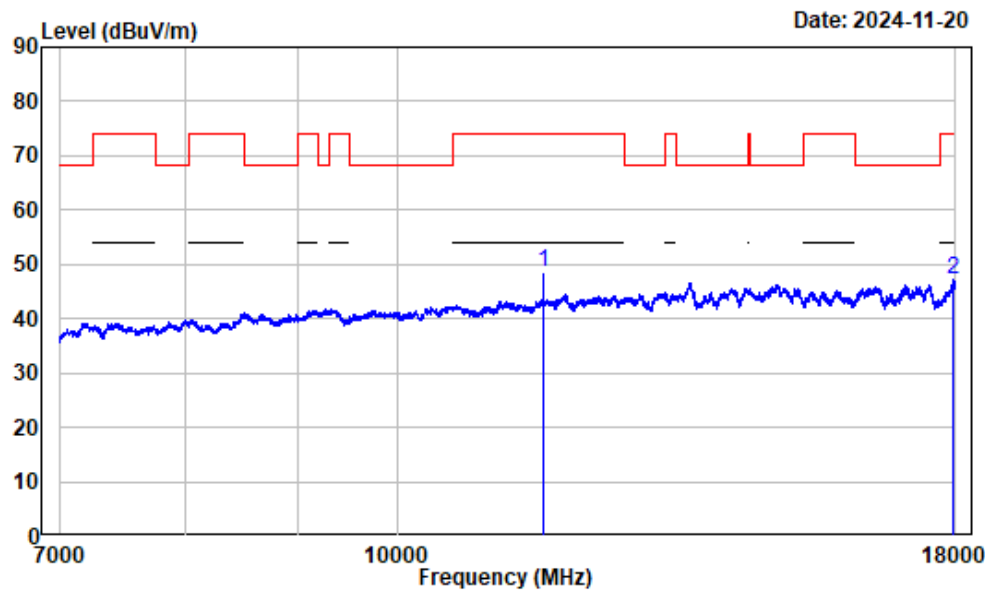
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	47.39	61.22	74.00	-12.78	Peak
2	17953.240	24.29	38.67	62.96	74.00	-11.04	Peak

7-18GHz_Horizontal_Average

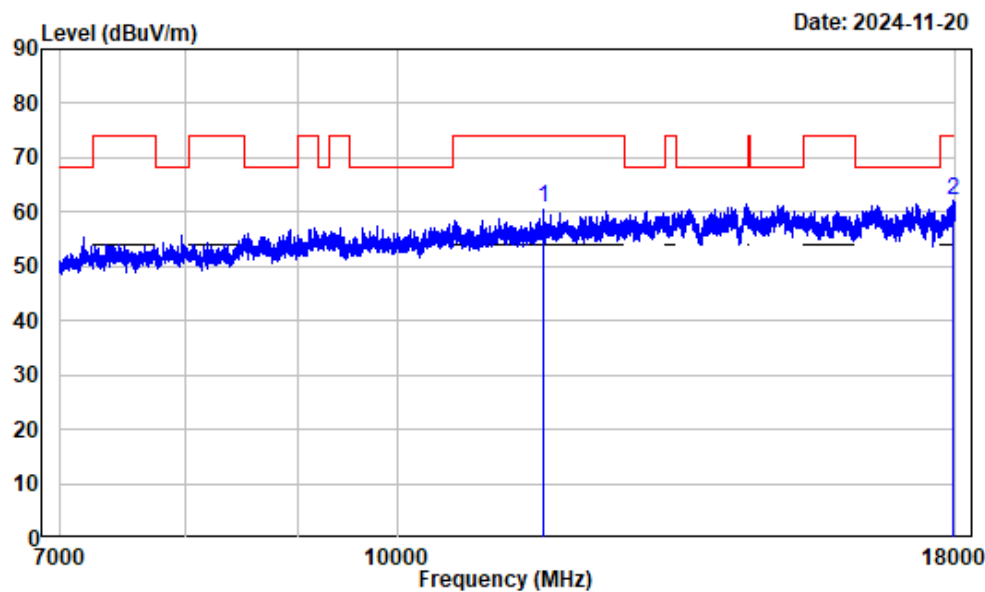


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11650.000	13.83	34.62	48.45	54.00	-5.55	Average
2 17964.250	24.37	22.74	47.11	54.00	-6.89	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

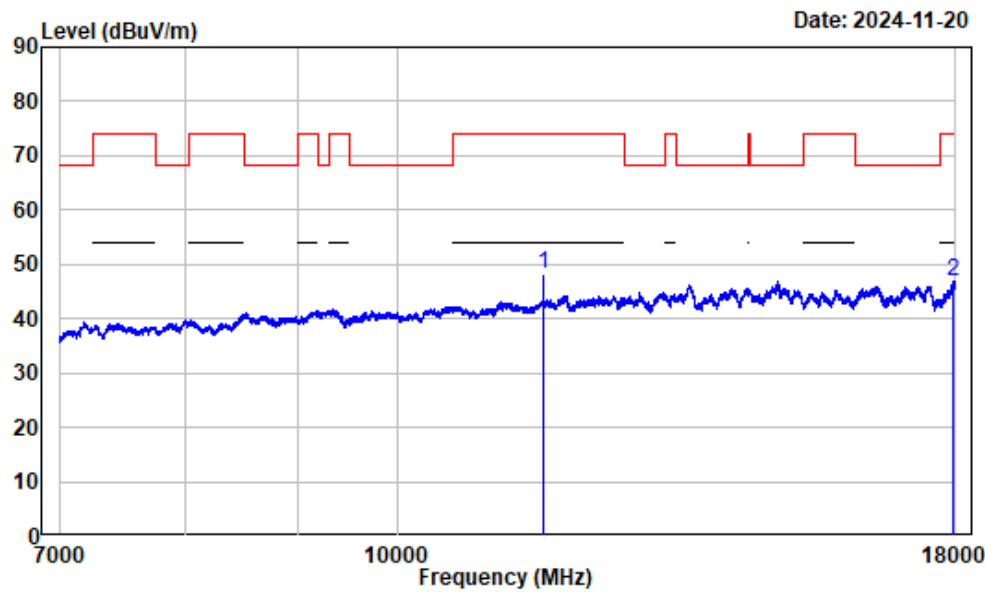
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	46.84	60.67	74.00	-13.33	Peak
2	17943.620	24.22	37.98	62.20	74.00	-11.80	Peak

7-18GHz_Vertical_Average

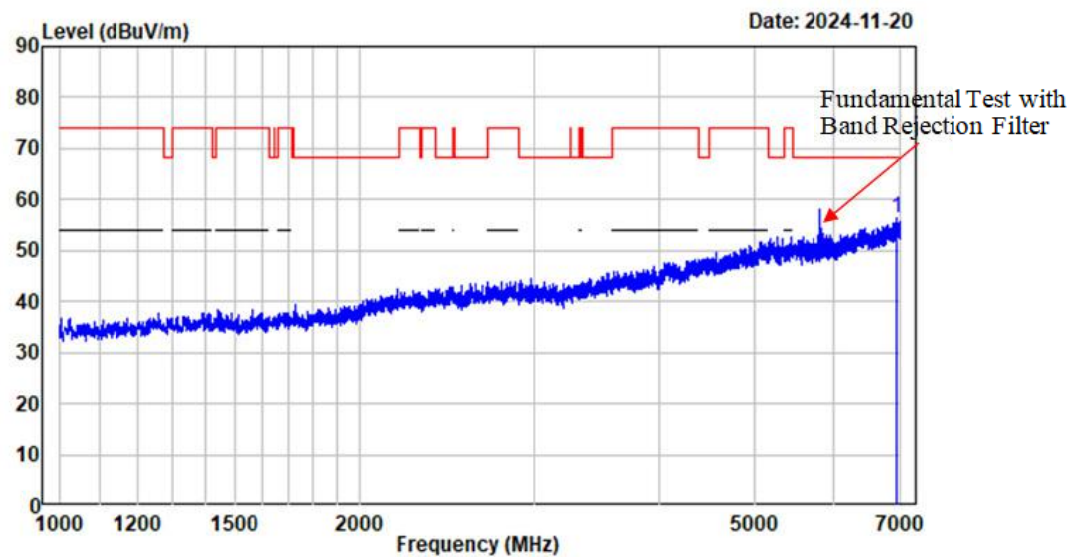


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

Freq		Factor	Read Level	Level	Limit	Over	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	34.28	48.11	54.00	-5.89	Average
2	17958.740	24.33	22.65	46.98	54.00	-7.02	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

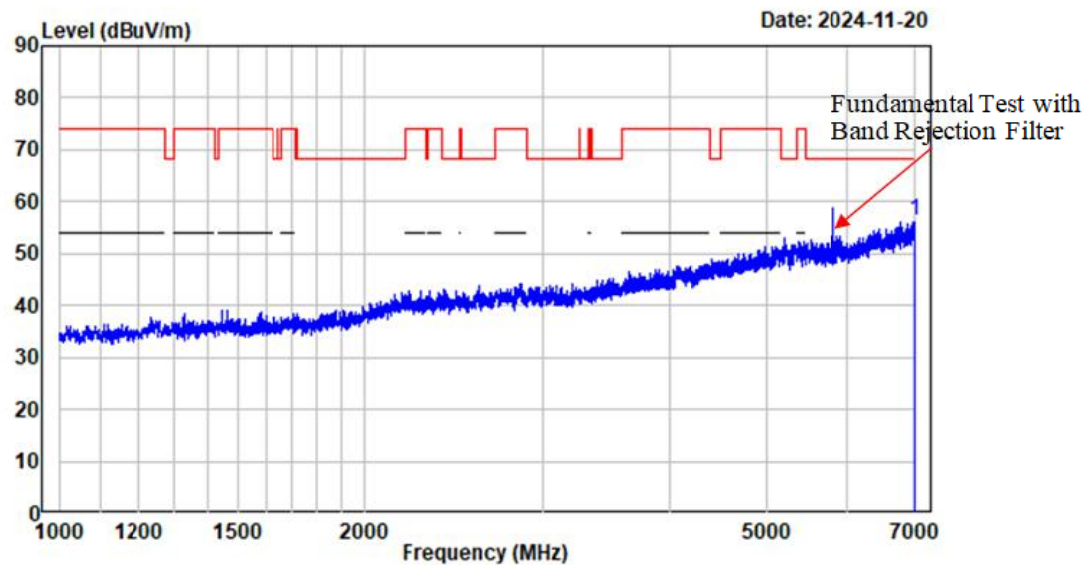
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

	Freq Factor		Read	Level	Limit	Over	Remark
	MHz	dB/m	Level	Level	Line	Limit	
1	6927.991	8.43	48.07	56.50	68.20	-11.70	Peak

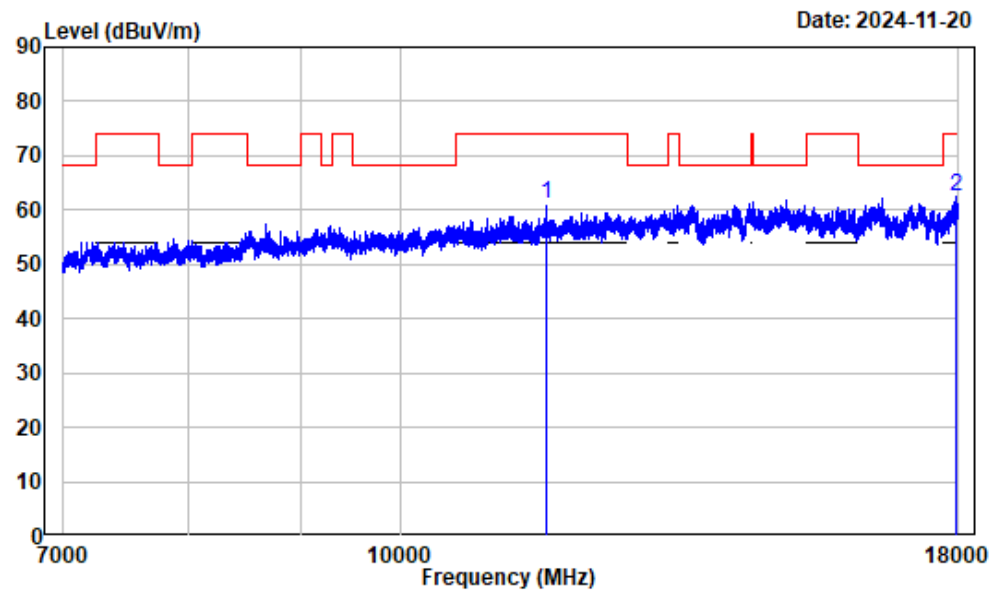
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6993.577	8.61	47.71	56.32	68.20	-11.88	Peak

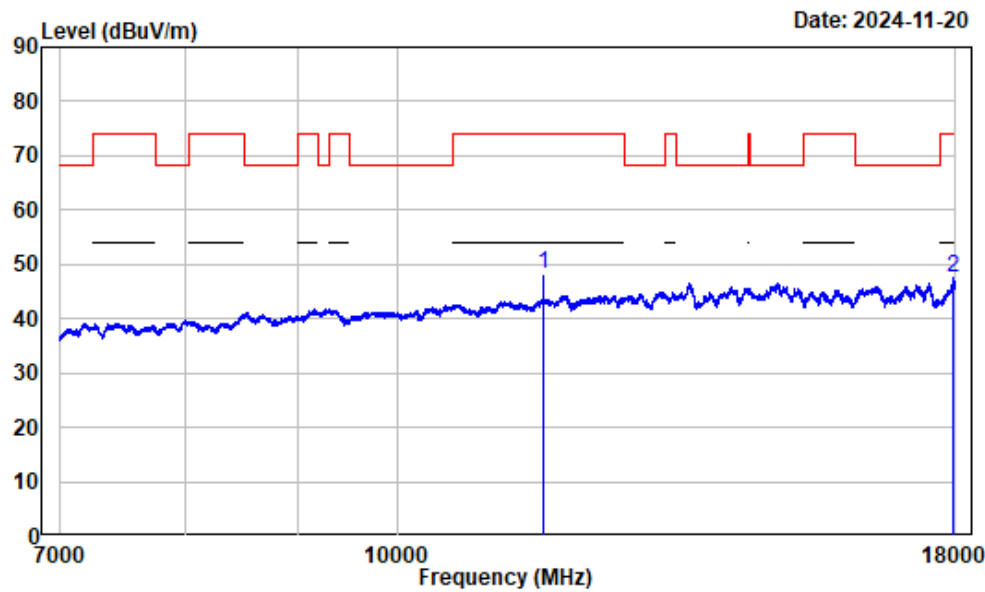
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11650.000	13.83	47.27	61.10	74.00	-12.90	Peak
2 17949.120	24.25	38.08	62.33	74.00	-11.67	Peak

7-18GHz_Horizontal_Average

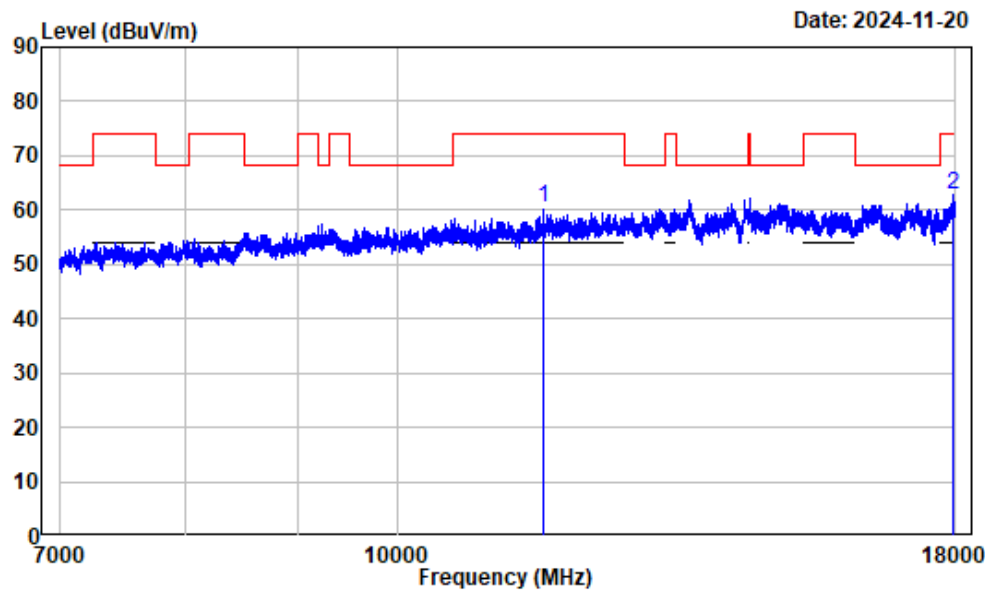


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11650.000	13.83	34.44	48.27	54.00	-5.73	Average
2 17971.120	24.42	23.04	47.46	54.00	-6.54	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

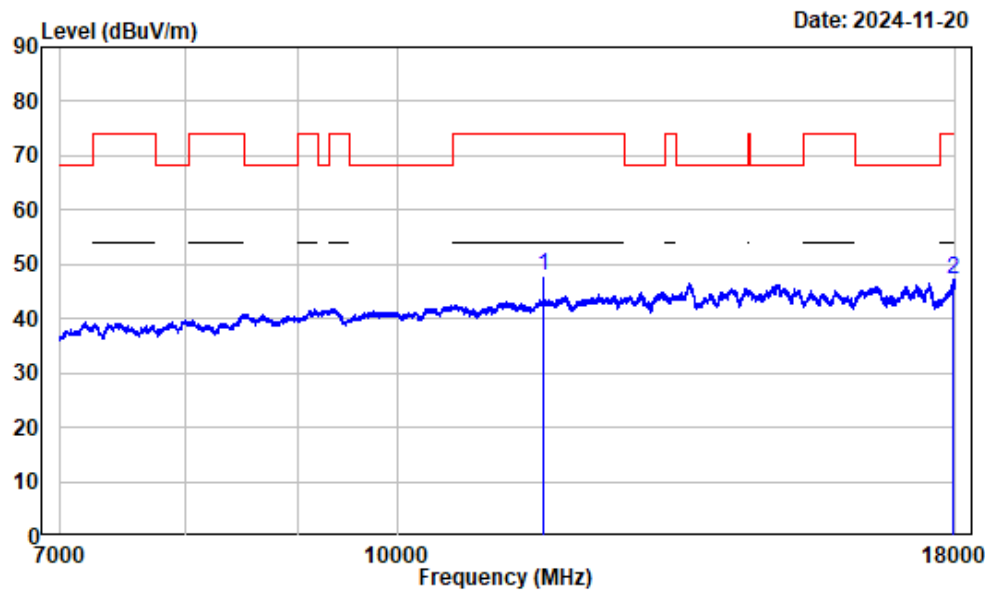
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	46.75	60.58	74.00	-13.42	Peak
2	17960.120	24.34	38.49	62.83	74.00	-11.17	Peak

7-18GHz_Vertical_Average

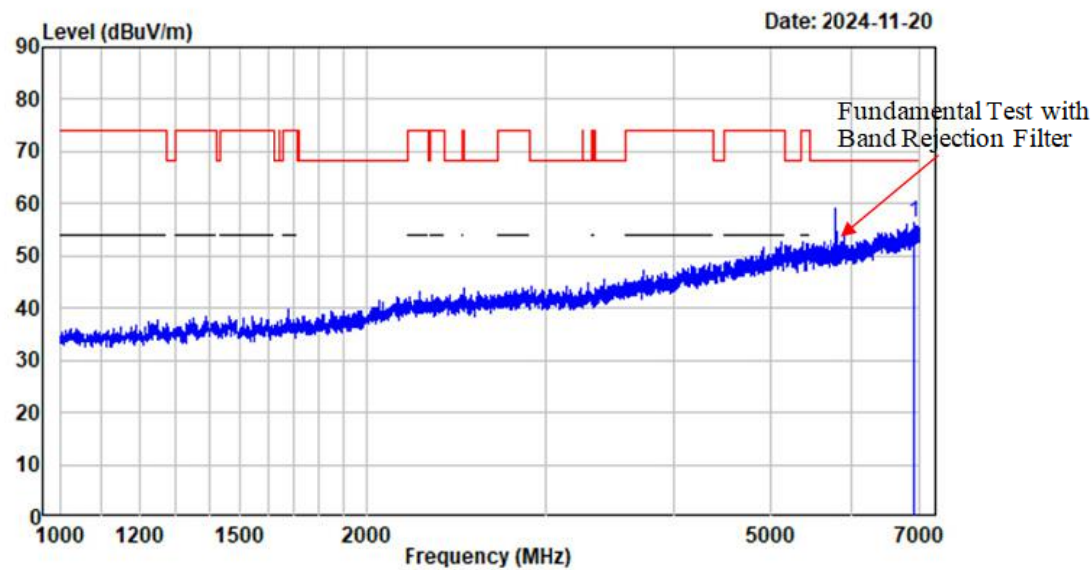


Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N20-5825

Freq		Factor	Read Level	Level	Limit	Over	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	34.13	47.96	54.00	-6.04	Average
2	17958.740	24.33	22.92	47.25	54.00	-6.75	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

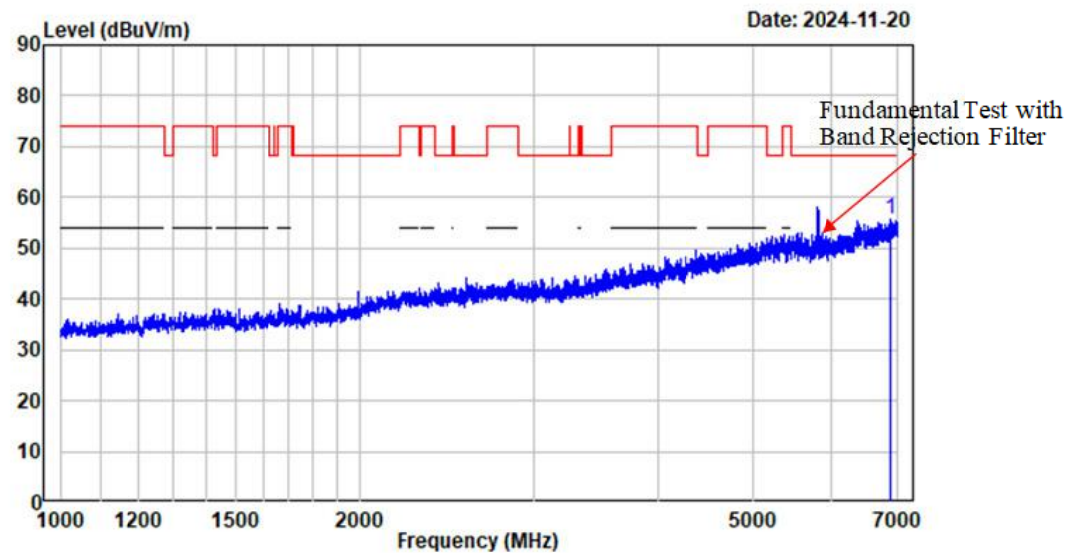
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6903.238	8.12	48.19	56.31	68.20	-11.89	Peak

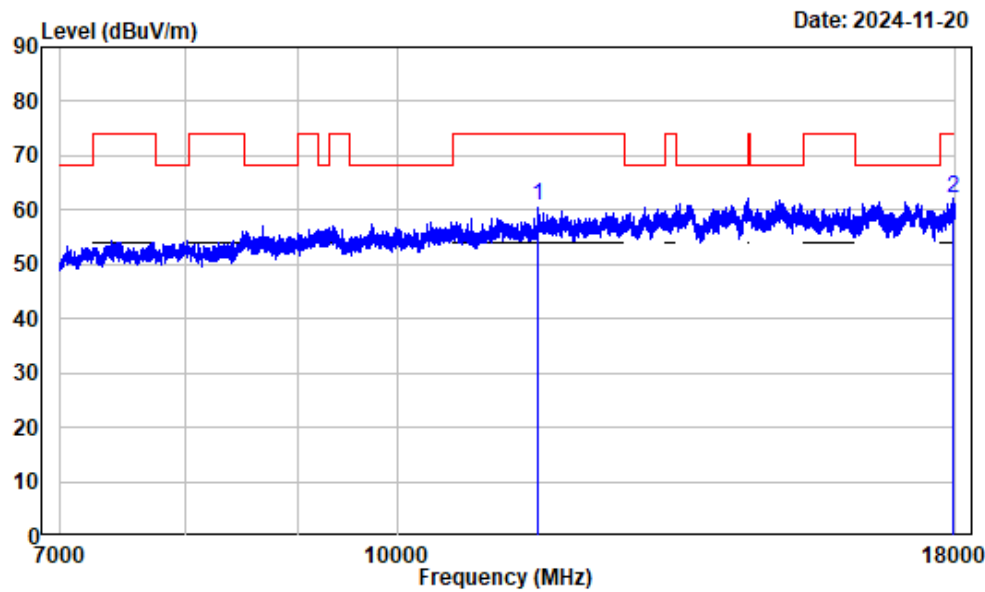
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6890.486	8.05	47.77	55.82	68.20	-12.38 Peak

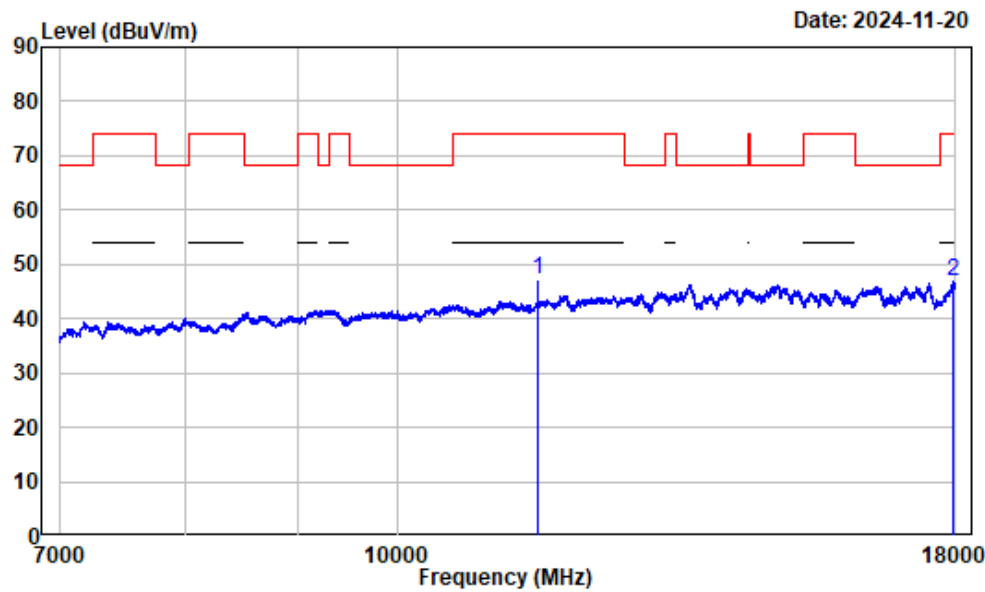
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11590.000	13.97	46.85	60.82	74.00	-13.18	Peak
2 17968.370	24.40	37.73	62.13	74.00	-11.87	Peak

7-18GHz_Horizontal_Average

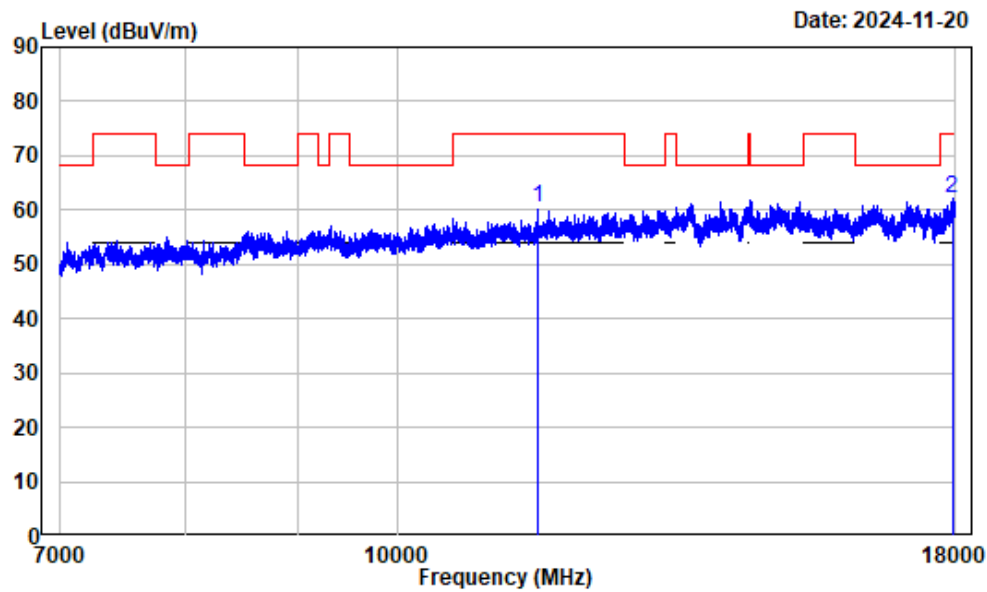


Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

		Read		Limit	Over	Remark
Freq		Factor	Level	Level	Line	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	11590.000	13.97	33.19	47.16	54.00	-6.84 Average
2	17962.870	24.36	22.65	47.01	54.00	-6.99 Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

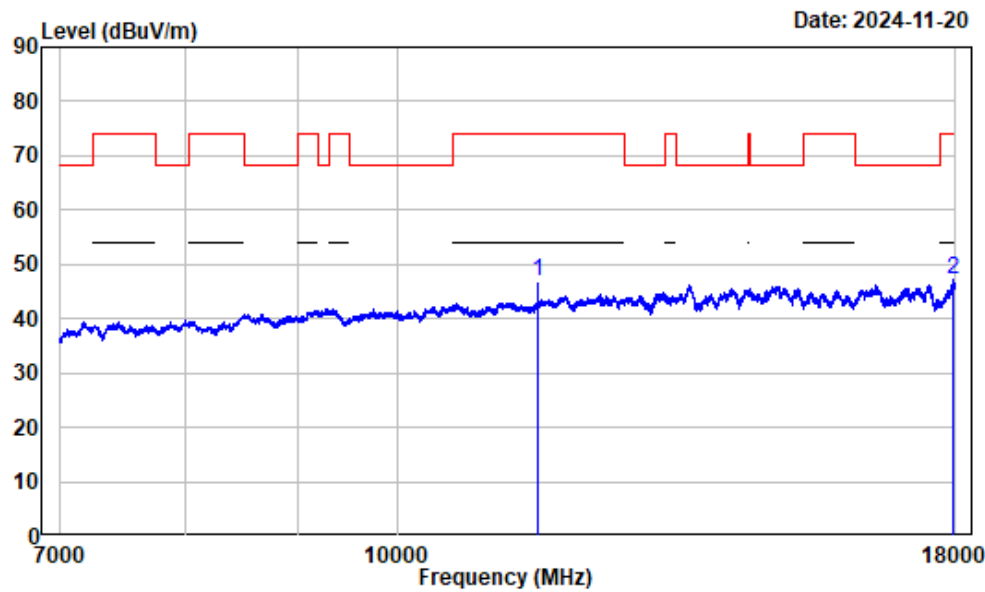
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

Freq		Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz		dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	46.33	60.30	74.00	-13.70	Peak
2	17938.120	24.18	37.95	62.13	74.00	-11.87	Peak

7-18GHz_Vertical_Average



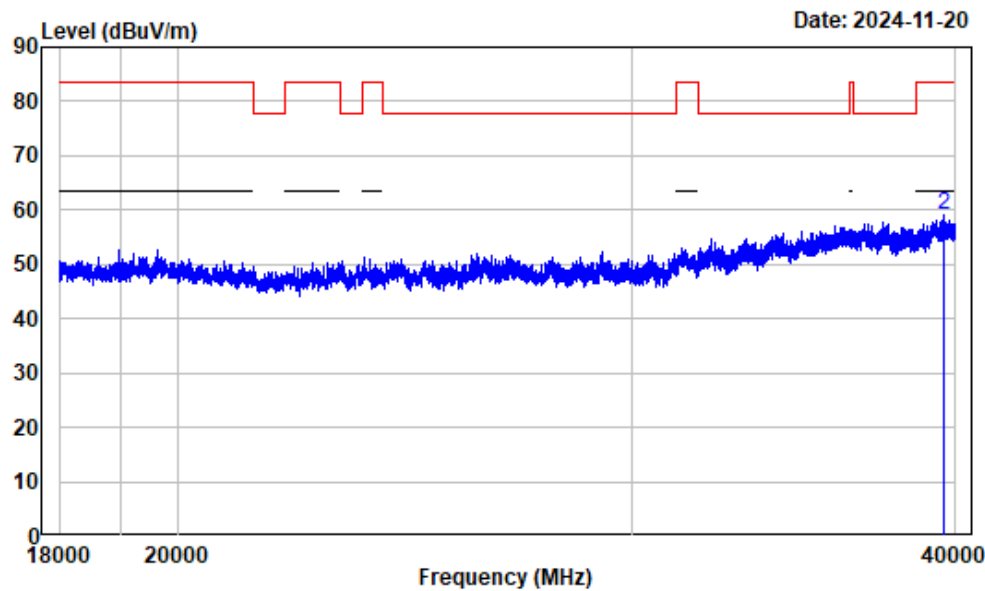
Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-N40-5795

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 11590.000	13.97	32.90	46.87	54.00	-7.13	Average
2 17961.500	24.35	22.78	47.13	54.00	-6.87	Average

Note: Spectrum analyzer setting: RBW=1 MHz, VBW=5 kHz

18-40GHz (only test with the worst harmonic margin):

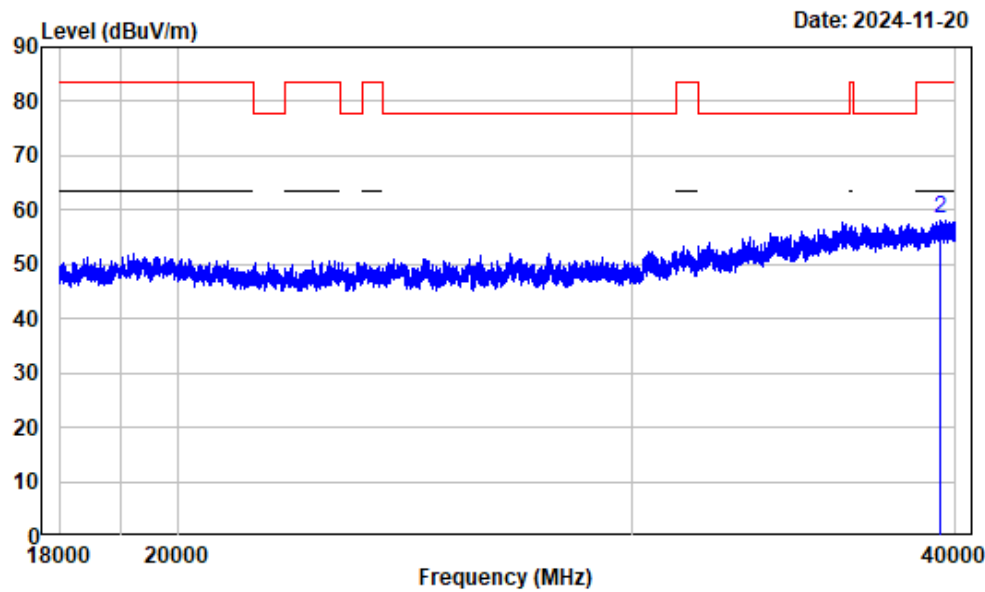
18-40GHz_Horizontal



Condition : Horizontal
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39620.450	22.75	30.88	53.63	63.50	-9.87	Average
2	39620.450	22.75	36.27	59.02	83.50	-24.48	Peak

18-40GHz_Vertical



Condition : Vertical
Project No.: 2401X47535E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 39488.440	22.60	30.62	53.22	63.50	-10.28	Average
2 39488.440	22.60	35.98	58.58	83.50	-24.92	Peak

RF Conducted data

Emission Bandwidth

Test Information:

Sample No.:	2SAD-1	Test Date:	2024/12/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Allen Bai	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	24.3	Relative Humidity: (%)	35	ATM Pressure: (kPa)	101
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Test Data:
26dB Emission Bandwidth
5150-5250MHz

Mode	Test Frequency(MHz)	Result(MHz)
802.11a	5180	28.880
	5200	25.102
	5240	24.121
802.11n20	5180	28.647
	5200	28.501
	5240	26.544
802.11n40	5190	72.267
	5230	72.997

5250-5350MHz

Mode	Test Frequency(MHz)	Result(MHz)
802.11a	5260	26.682
	5280	19.688
	5320	22.711
802.11n20	5260	23.857
	5280	19.813
	5320	25.347
802.11n40	5270	71.840
	5310	72.188

5470-5725MHz

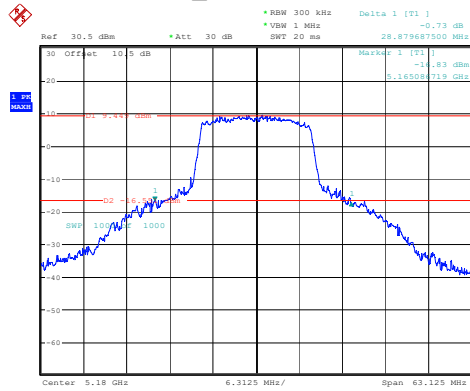
Mode	Test Frequency(MHz)	Result(MHz)
802.11a	5500	29.891
	5580	26.374
	5700	29.944
	5720	27.967
802.11n20	5500	24.670
	5580	29.321
	5700	28.645
	5720	29.949
802.11n40	5510	72.871
	5550	74.214
	5670	67.827
	5710	72.444

6dB Emission Bandwidth**5725-5850MHz**

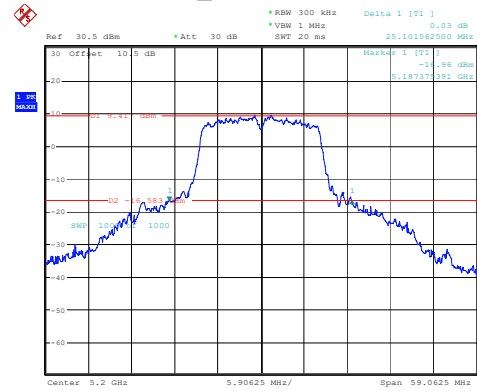
Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	15.875	0.5	Pass
	5785	15.813	0.5	Pass
	5825	15.813	0.5	Pass
802.11n20	5745	16.125	0.5	Pass
	5785	15.813	0.5	Pass
	5825	15.500	0.5	Pass
802.11n40	5755	35.375	0.5	Pass
	5795	35.625	0.5	Pass

5150-5250MHz

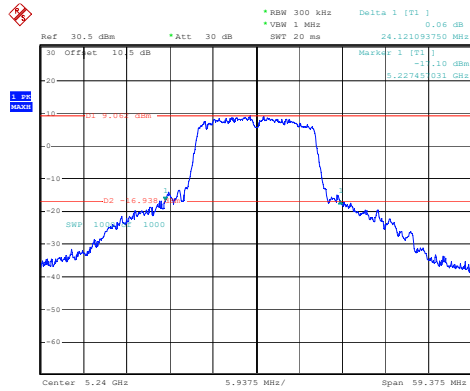
802.11a_5180MHz 28.880MHz

ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:09:23

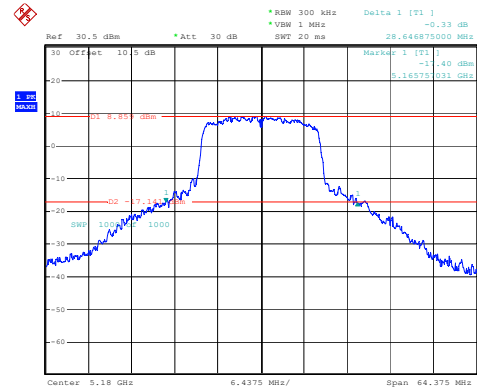
802.11a_5200MHz 25.102MHz

ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 13:57:07

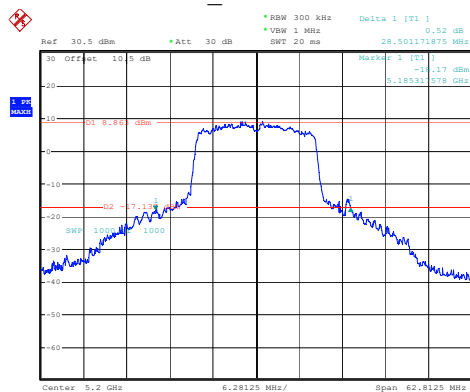
802.11a_5240MHz 24.121MHz

ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 13:59:11

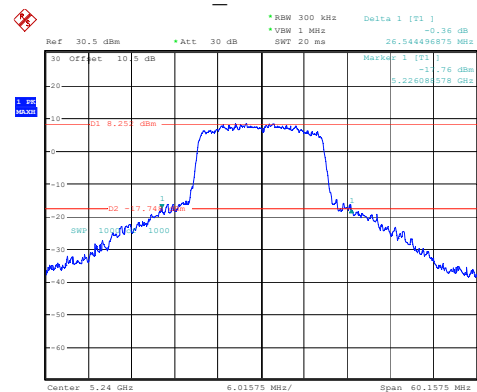
802.11n20_5180MHz 28.647MHz

ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 14:02:40

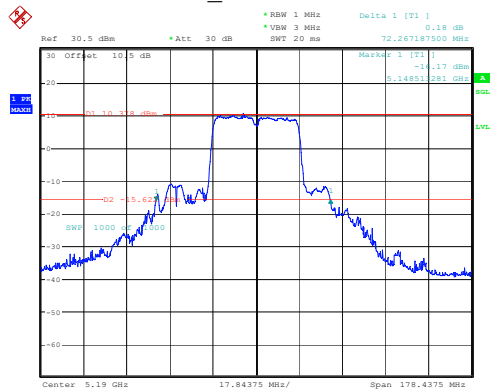
802.11n20_5200MHz 28.501MHz

ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 14:04:46

802.11n20_5240MHz 26.544MHz

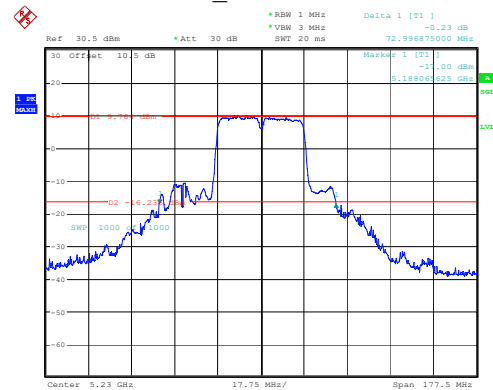
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 14:06:39

802.11n40_5190MHz 72.267MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 14:10:24

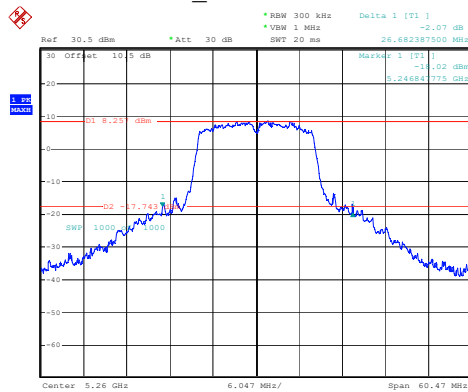
802.11n40_5230MHz 72.997MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 14:13:25

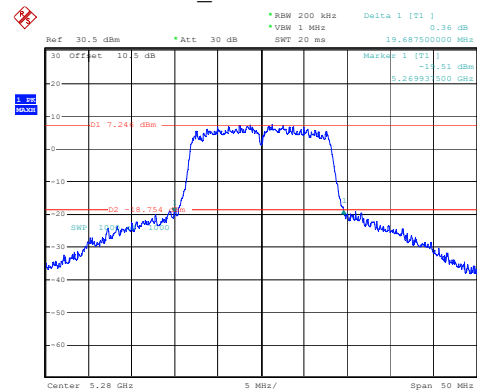
5250-5350MHz

802.11a_5260MHz 26.682MHz



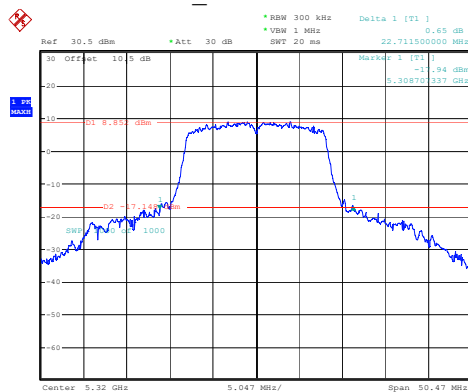
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Date: 26.DEC.2024 14:15:18

802.11a_5280MHz 19.688MHz



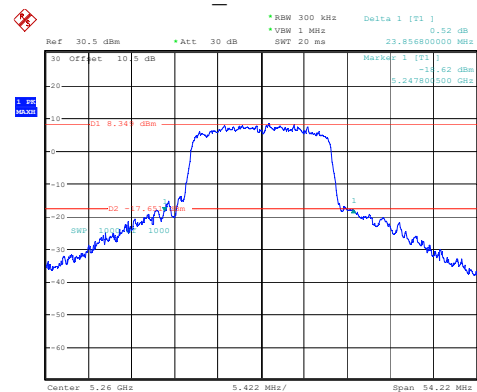
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Date: 26.DEC.2024 14:16:45

802.11a_5320MHz 22.711MHz



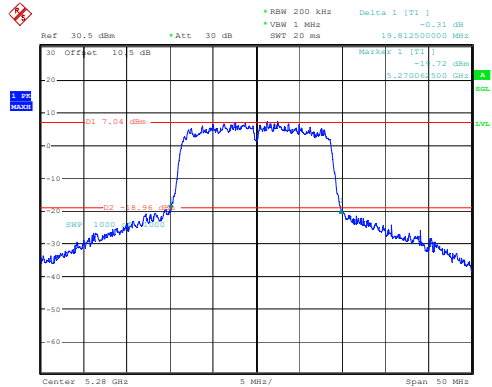
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Date: 26.DEC.2024 14:18:26

802.11n20_5260MHz 23.857MHz



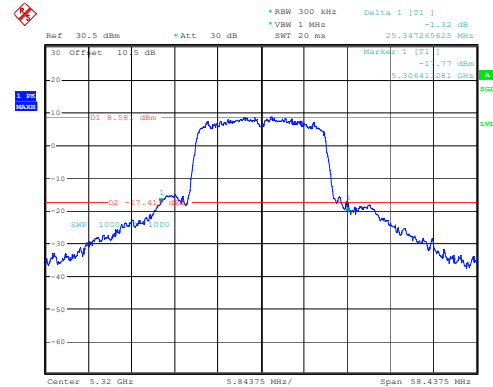
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Date: 26.DEC.2024 14:20:12

802.11n20_5280MHz 19.813MHz



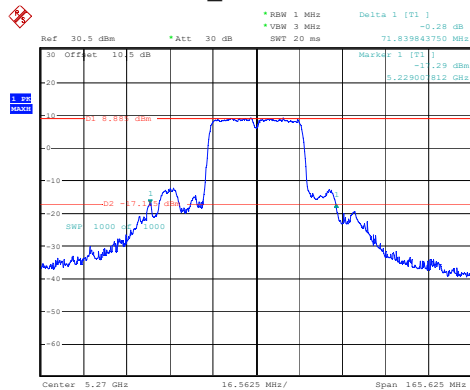
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802.11n20_5320MHz 25.347MHz



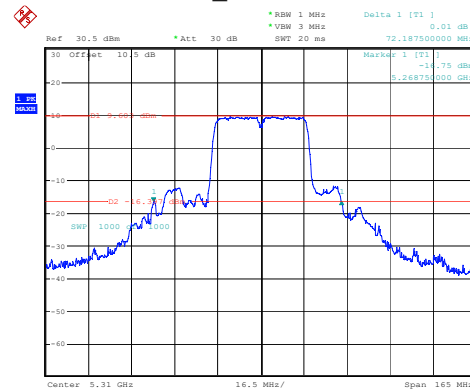
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 14:22:55

802.11n40_5270MHz 71.840MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:16:04

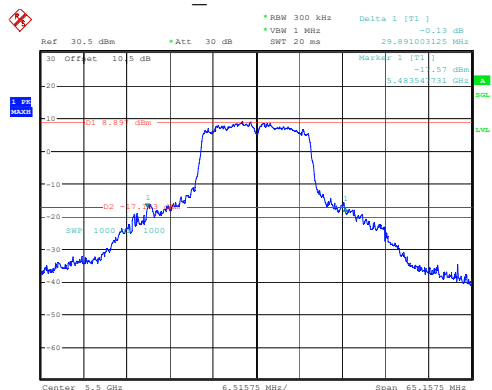
802.11n40_5310MHz 72.188MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 14:30:07

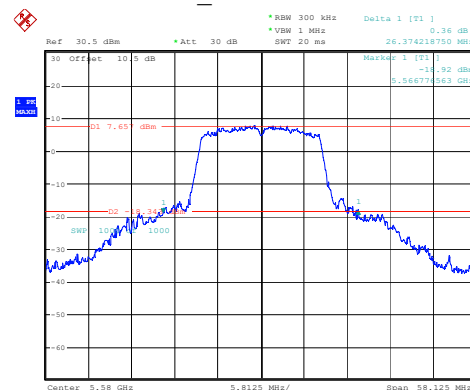
5470-5725MHz

802.11a_5500MHz 29.891MHz



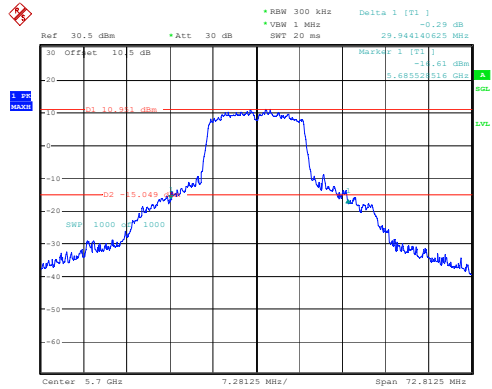
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802.11a_5580MHz 26.374MHz



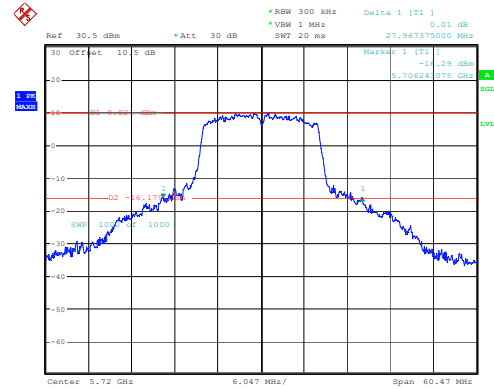
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Date: 26.DEC.2024 14:48:56

802.11a_5700MHz 29.944MHz



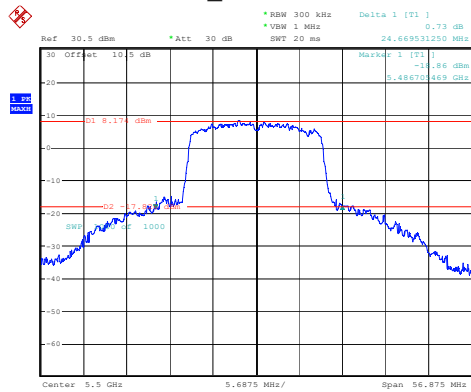
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802.11a_5720MHz 27.967MHz



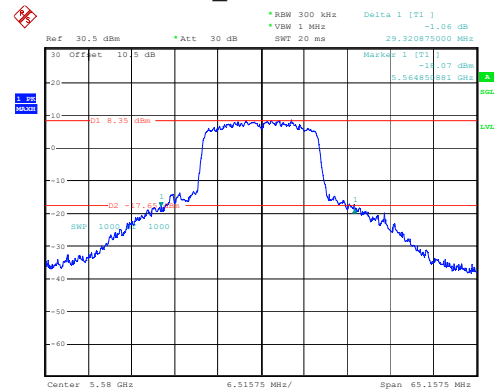
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802.11n20_5500MHz 24.670MHz



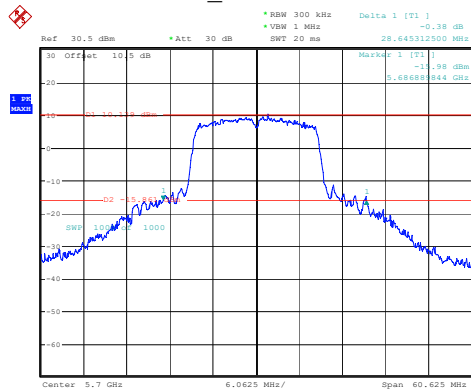
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Date: 26.DEC.2024 15:02:16

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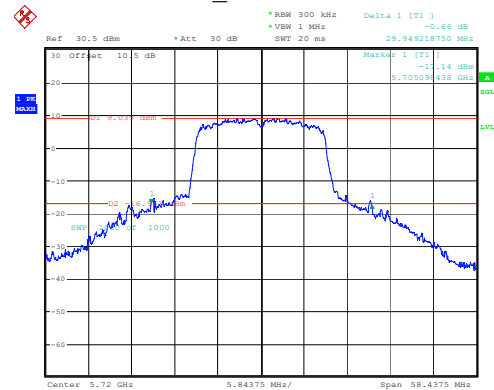
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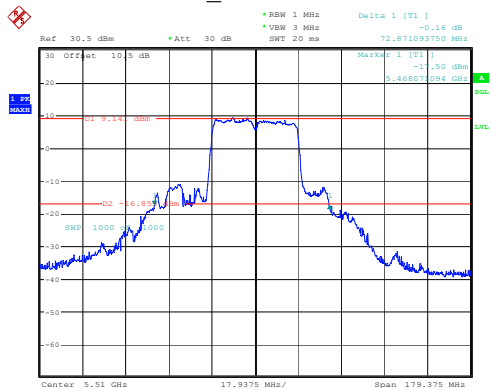
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802.11n20_5720MHz 29.949MHz



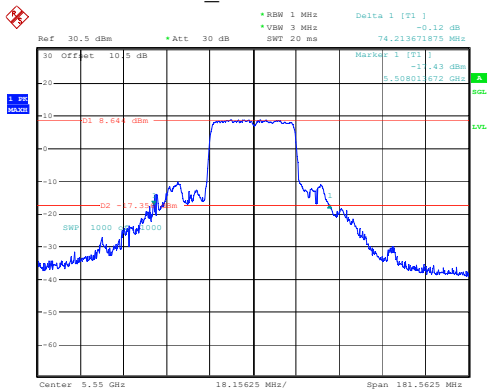
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Date: 26.DEC.2024 15:23:09

802.11n40_5510MHz 72.871MHz



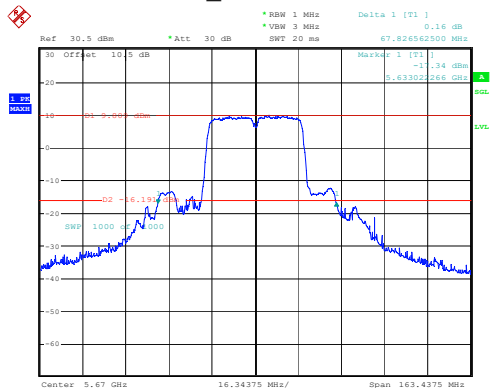
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Date: 26.DEC.2024 15:27:55

802.11n40_5550MHz 74.214MHz



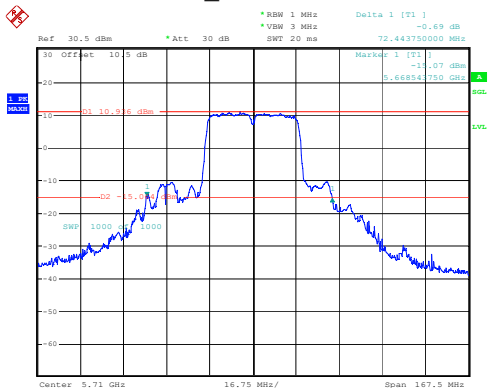
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:31:12

802.11n40_5670MHz 67.827MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:47:17

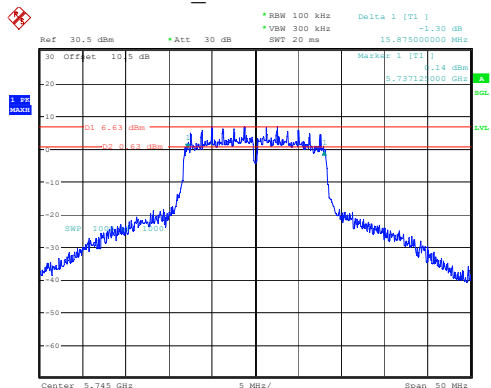
802.11n40_5710MHz 72.444MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
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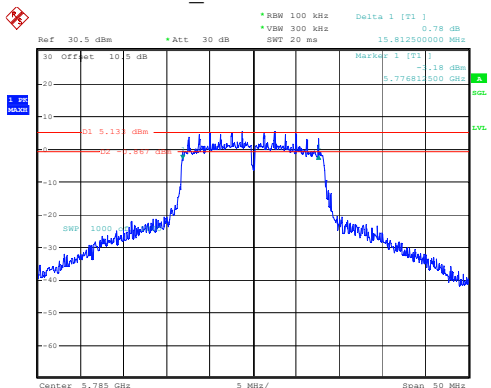
5725-5850MHz

802.11a_5745MHz 15.875MHz



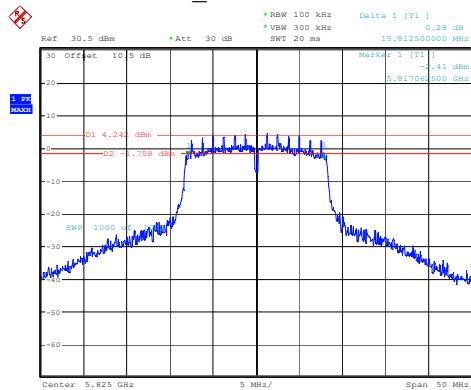
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Date: 26.DEC.2024 15:33:02

802.11a_5785MHz 15.813MHz



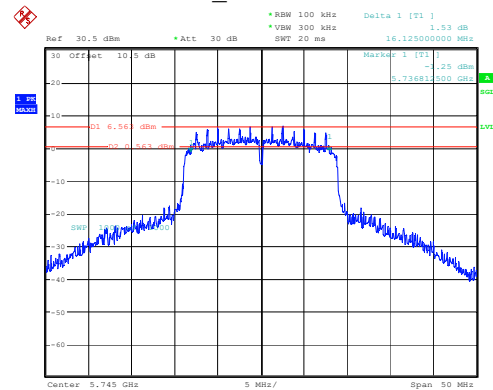
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Date: 26.DEC.2024 15:34:02

802.11a_5825MHz 15.813MHz



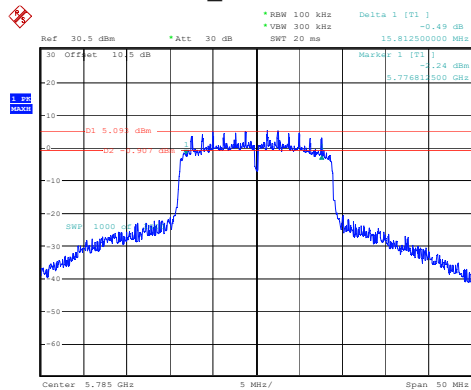
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Date: 26.DEC.2024 15:35:31

802.11n20_5745MHz 16.125MHz



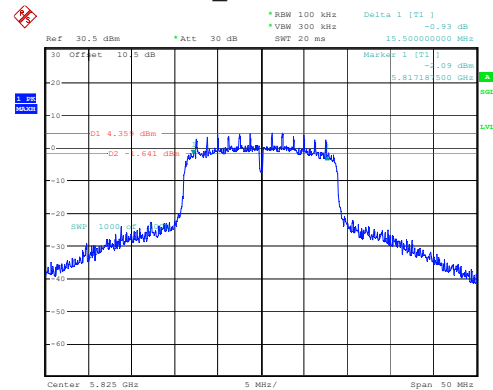
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:36:38

802.11n20_5785MHz 15.813MHz



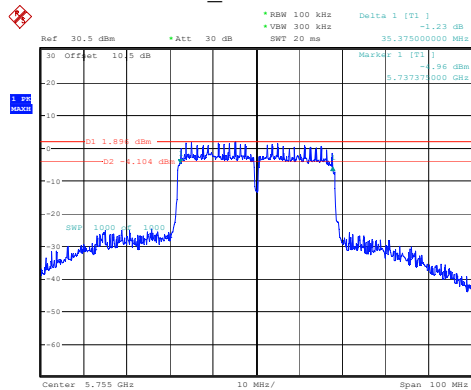
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:37:42

802.11n20_5825MHz 15.500MHz



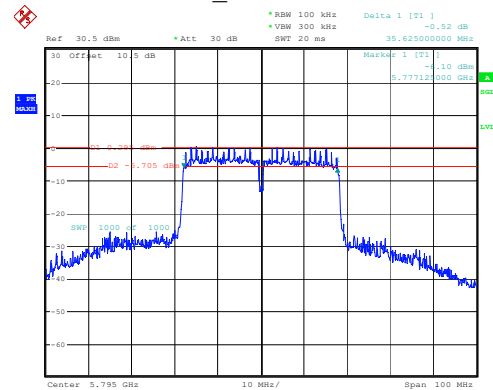
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:38:39

802.11n40_5755MHz 35.375MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:41:00

802.11n40_5795MHz 35.625MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 26.DEC.2024 15:42:42

99% Occupied Bandwidth

Test Information:

Sample No.:	2SAD-1	Test Date:	2024/12/23
Test Site:	RF	Test Mode:	Transmitting
Tester:	Allen Bai	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	24.3	Relative Humidity: (%)	35	ATM Pressure: (kPa)	101
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Test Data
5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.563
	5200	16.500
	5240	16.563
802.11n20	5180	17.500
	5200	17.438
	5240	17.438
802.11n40	5190	36.250
	5230	36.250

Note:

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

5250-5350MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5260	16.563
	5280	16.500
	5320	16.563
802.11n20	5260	17.500
	5280	17.500
	5320	17.500
802.11n40	5270	36.250
	5310	36.250

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.813
	5580	16.750
	5700	16.688
	5720	16.563
802.11n20	5500	17.750
	5580	17.563
	5700	17.563
	5720	17.500
802.11n40	5510	36.625
	5550	36.625
	5670	36.375
	5710	36.500

5725-5850MHz

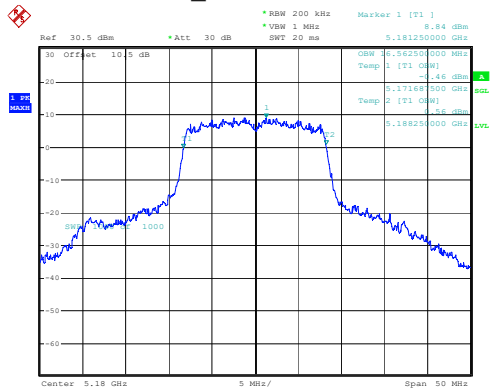
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.625
	5785	16.563
	5825	16.625
802.11n20	5745	17.500
	5785	17.500
	5825	17.500
802.11n40	5755	36.250
	5795	36.375

Note:

The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

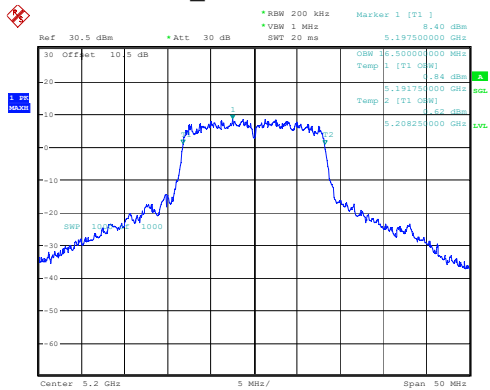
5150-5250MHz

802.11a_5180MHz 16.563MHz



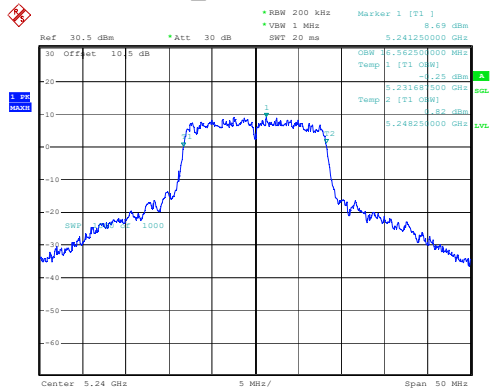
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802.11a_5200MHz 16.500MHz



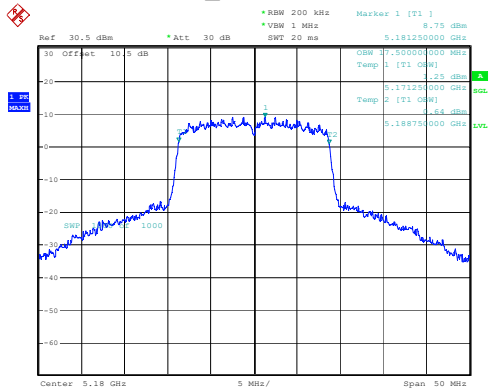
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802.11a_5240MHz 16.563MHz



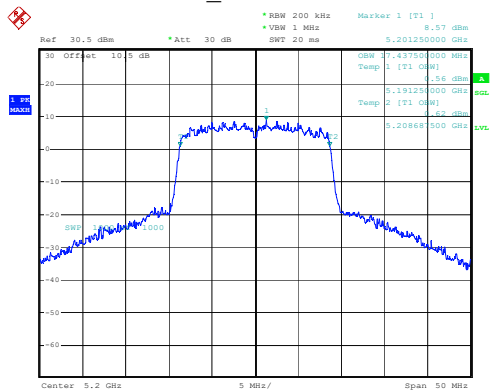
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:24:17

802.11n20_5180MHz 17.500MHz



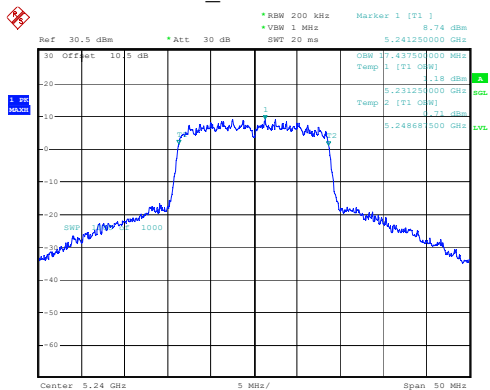
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Date: 23.DEC.2024 14:25:19

802.11n20_5200MHz 17.438MHz

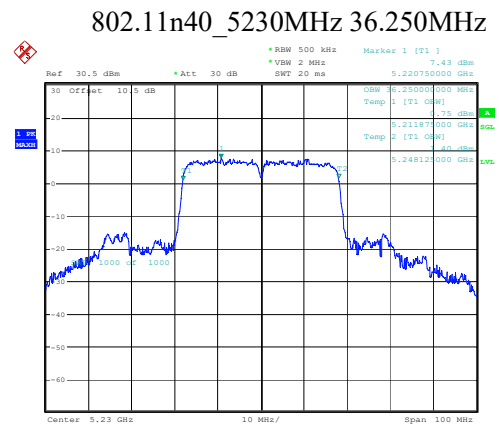


ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:26:20

802.11n20_5240MHz 17.438MHz

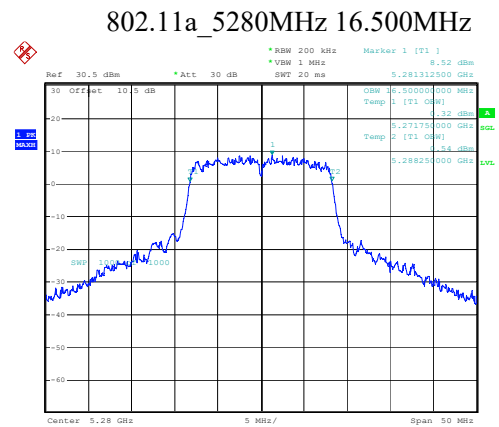


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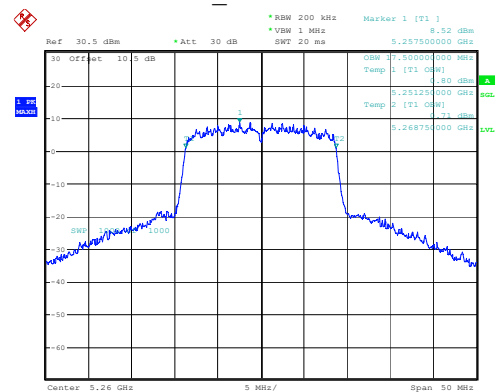
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Date: 23.DEC.2024 14:32:10

802.11a_5260MHz 16.563MHz



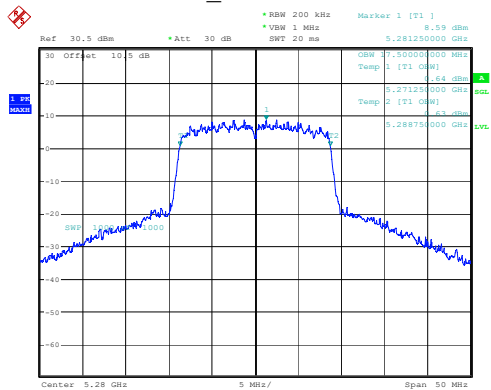
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Date: 23.DEC.2024 14:35:21

802.11n20 5260MHz 17.500MHz



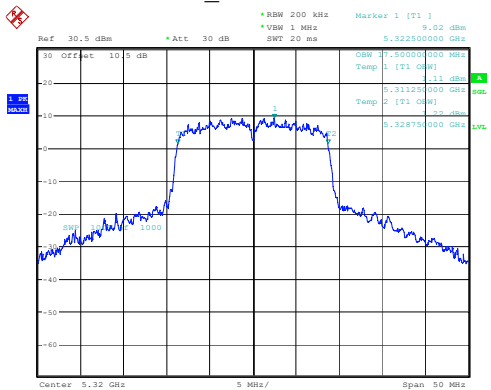
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Date: 23.DEC.2024 14:37:48

802.11n20_5280MHz 17.500MHz



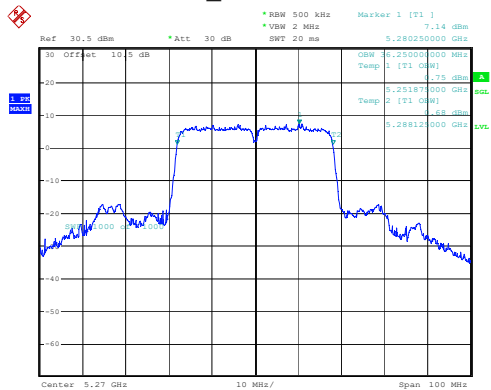
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:38:48

802.11n20_5320MHz 17.500MHz



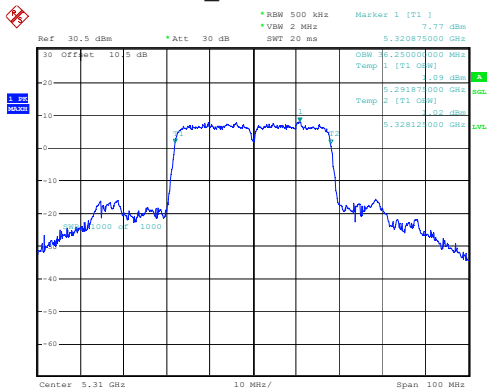
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:39:54

802.11n40_5270MHz 36.250MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:41:45

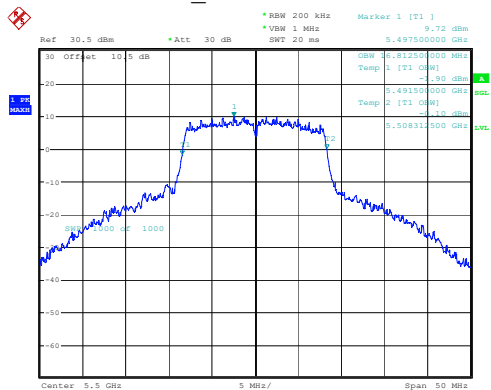
802.11n40_5310MHz 36.250MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:43:38

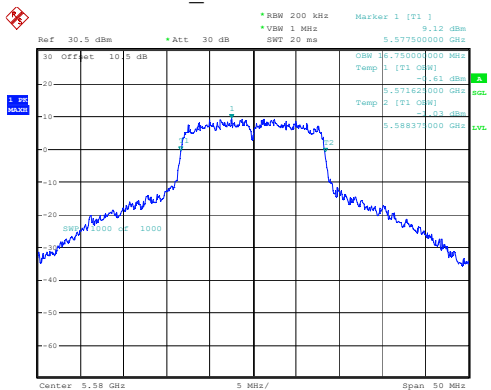
5470-5725MHz

802.11a_5500MHz 16.813MHz

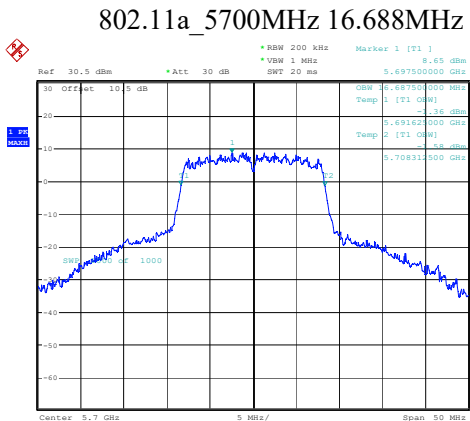


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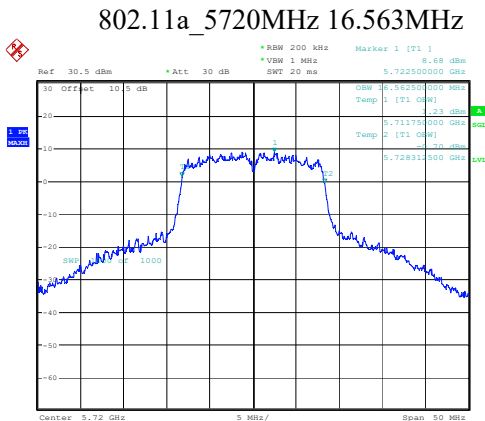
802.11a_5580MHz 16.750MHz



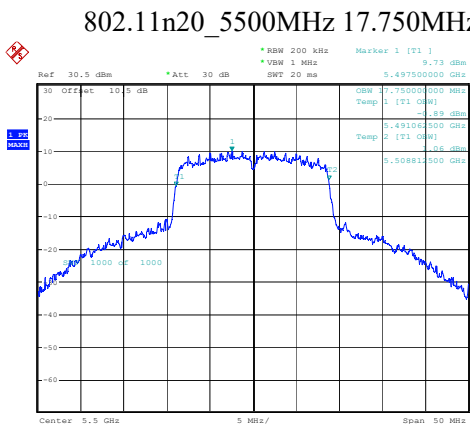
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:47:04



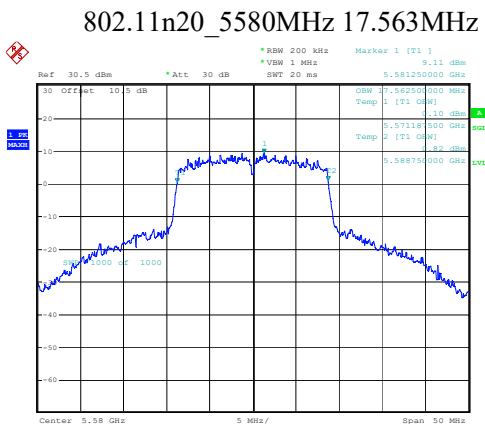
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:48:14



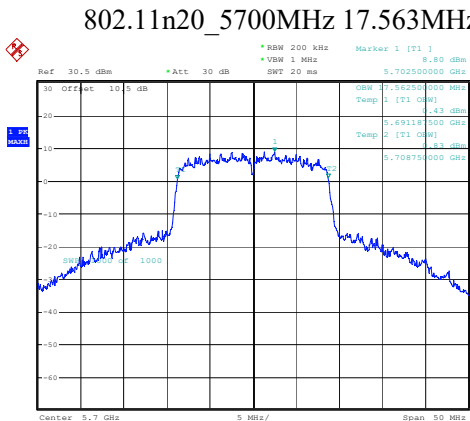
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Date: 23.DEC.2024 14:50:00



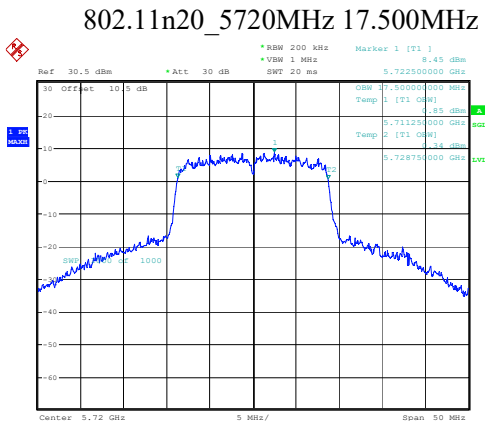
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:51:47



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:52:51

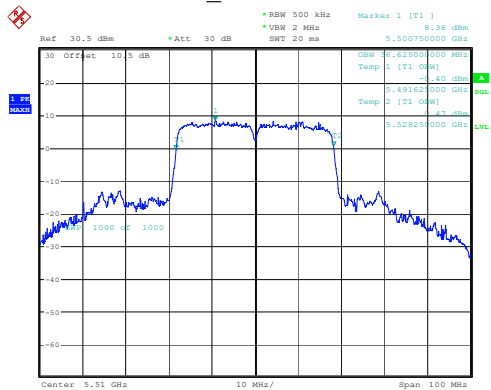


ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 14:54:07



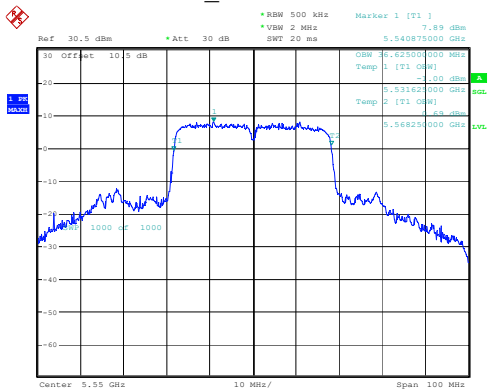
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Date: 23.DEC.2024 14:55:15

802.11n40_5510MHz 36.625MHz



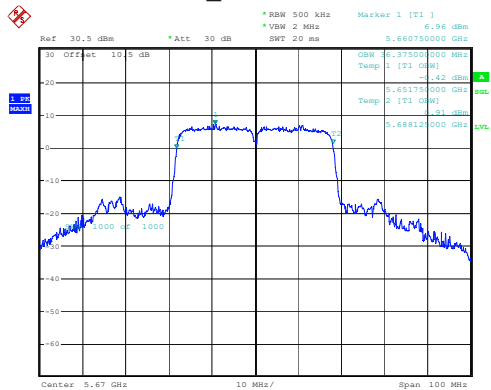
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Date: 23.DEC.2024 14:57:07

802.11n40_5550MHz 36.625MHz



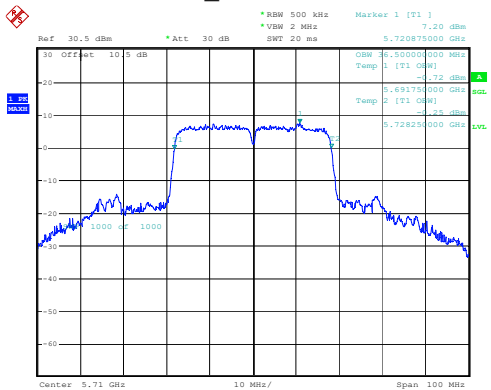
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Date: 23.DEC.2024 14:59:12

802.11n40_5670MHz 36.375MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 15:01:15

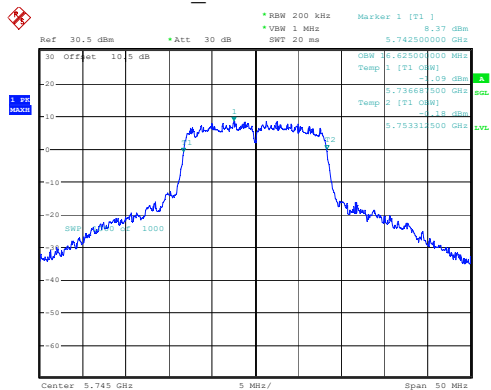
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ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 15:03:17

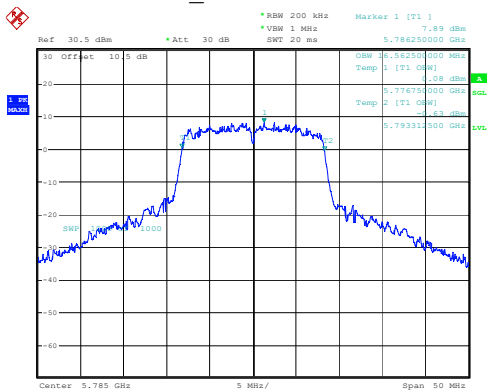
5725-5850MHz

802.11a_5745MHz 16.625MHz

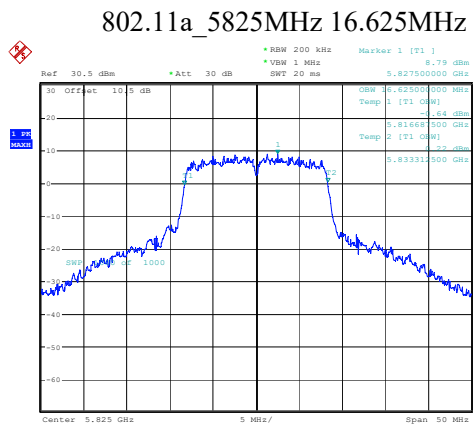


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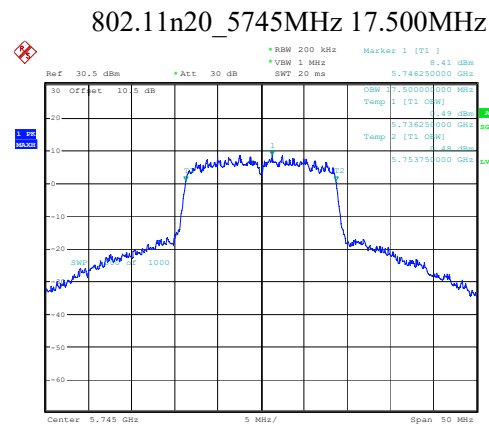
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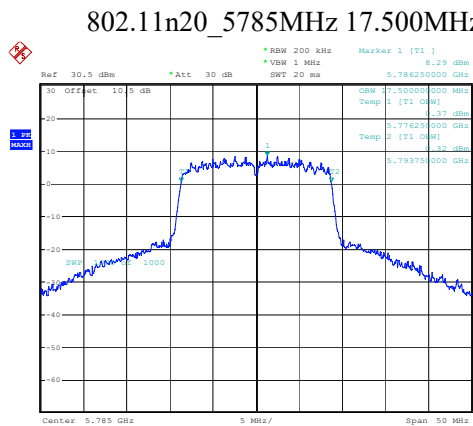
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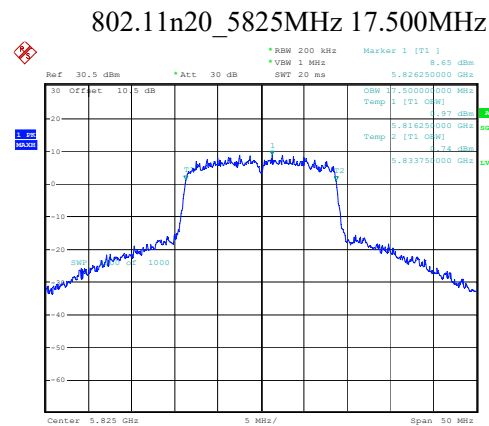
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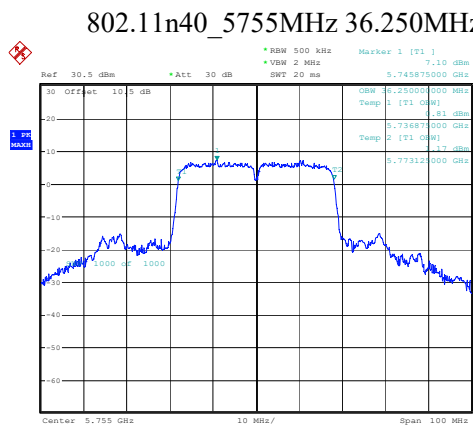
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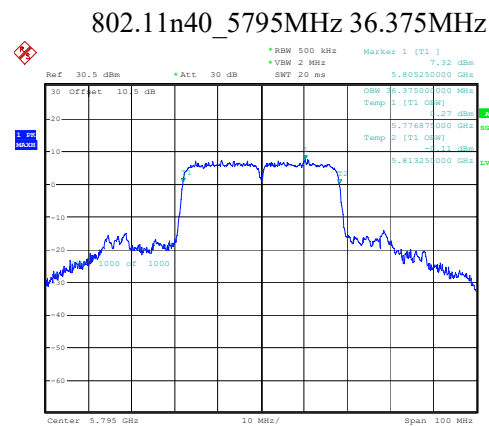
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ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 15:11:37



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 15:14:42



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 23.DEC.2024 15:16:44

Maximum Conducted Output Power

Test Information:

Sample No.:	2SAD-1	Test Date:	2024/10/18~2024/10/21
Test Site:	RF	Test Mode:	Transmitting
Tester:	Allen Bai	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	23-26	Relative Humidity: (%)	44-48	ATM Pressure: (kPa)	101
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Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5180	16.99	24	Pass
	5200	17.05	24	Pass
	5240	17.22	24	Pass
802.11n20	5180	17.04	24	Pass
	5200	17.02	24	Pass
	5240	17.67	24	Pass
802.11n40	5190	14.01	24	Pass
	5230	14.61	24	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5260	17.37	24	Pass
	5280	17.24	24	Pass
	5320	17.29	24	Pass
802.11n20	5260	17.15	24	Pass
	5280	16.87	24	Pass
	5320	16.84	24	Pass
802.11n40	5270	14.17	24	Pass
	5310	14.67	24	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5500	16.80	24	Pass
	5580	17.61	24	Pass
	5700	16.83	24	Pass
	5720	16.49	24	Pass
802.11n20	5500	16.58	24	Pass
	5580	17.61	24	Pass
	5700	16.66	24	Pass
	5720	16.43	24	Pass
802.11n40	5510	13.97	24	Pass
	5550	14.34	24	Pass
	5670	13.87	24	Pass
	5710	13.63	24	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5745	16.27	30	Pass
	5785	15.82	30	Pass
	5825	16.04	30	Pass
802.11n20	5745	16.24	30	Pass
	5785	15.96	30	Pass
	5825	15.92	30	Pass
802.11n40	5755	13.09	30	Pass
	5795	13.28	30	Pass

Note:

The EUT is a client device.

Power Spectral Density

Test Information:

Sample No.:	2SAD-1	Test Date:	2024/10/18~2025/01/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Allen Bai	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	24.3-26.1	Relative Humidity: (%)	35-43	ATM Pressure: (kPa)	101
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Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	-0.50	7.10	6.60	11	Pass
	5200	0.45	7.10	7.55	11	Pass
	5240	0.67	7.10	7.77	11	Pass
802.11n20	5180	-0.61	7.18	6.57	11	Pass
	5200	-0.27	7.18	6.91	11	Pass
	5240	0.93	7.18	8.11	11	Pass
802.11n40	5190	-2.01	3.22	1.21	11	Pass
	5230	-2.85	3.22	0.37	11	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5260	0.37	7.10	7.47	11	Pass
	5280	-0.15	7.10	6.95	11	Pass
	5320	0.24	7.10	7.34	11	Pass
802.11n20	5260	0.24	7.18	7.42	11	Pass
	5280	-0.14	7.18	7.04	11	Pass
	5320	-0.33	7.18	6.85	11	Pass
802.11n40	5270	-3.19	3.22	0.03	11	Pass
	5310	-2.76	3.22	0.46	11	Pass

5470-5725MHz

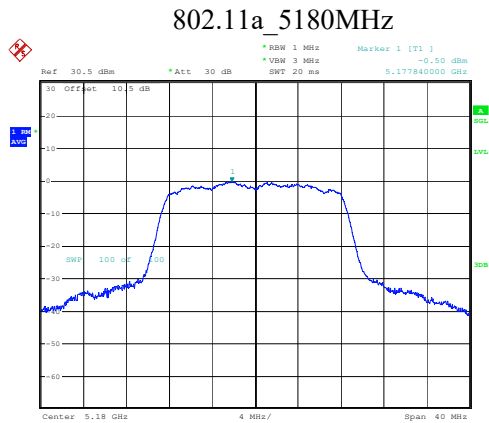
Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5500	0.12	7.10	7.22	11	Pass
	5580	1.18	7.10	8.28	11	Pass
	5700	-0.39	7.10	6.71	11	Pass
	5720	-0.65	7.10	6.45	11	Pass
802.11n20	5500	-0.97	7.18	6.21	11	Pass
	5580	0.11	7.18	7.29	11	Pass
	5700	-0.67	7.18	6.51	11	Pass
	5720	-0.10	7.18	7.08	11	Pass
802.11n40	5510	-3.39	3.22	-0.17	11	Pass
	5550	-3.04	3.22	0.18	11	Pass
	5670	-3.29	3.22	-0.07	11	Pass
	5710	-3.53	3.22	-0.31	11	Pass

5725-5850MHz

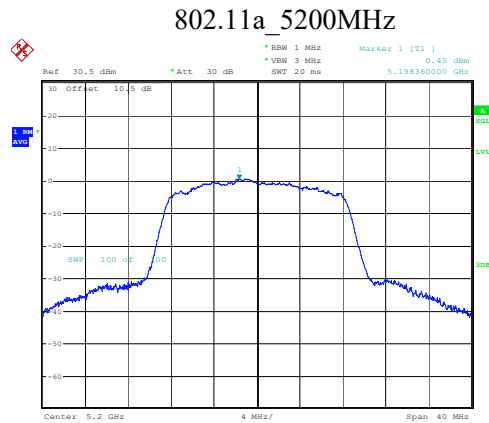
Mode	Test Frequency (MHz)	Reading(dBm /500kHz)	Duty Cycle Factor(dB)	Result(dBm /500kHz)	Limit(dBm /500kHz)	Verdict
802.11a	5745	-4.08	7.10	3.02	30	Pass
	5785	-4.38	7.10	2.72	30	Pass
	5825	-4.27	7.10	2.83	30	Pass
802.11n20	5745	-4.58	7.18	2.60	30	Pass
	5785	-4.50	7.18	2.68	30	Pass
	5825	-4.21	7.18	2.97	30	Pass
802.11n40	5755	-7.38	3.22	-4.16	30	Pass
	5795	-6.79	3.22	-3.57	30	Pass

Result = Reading + Duty Cycle Factor

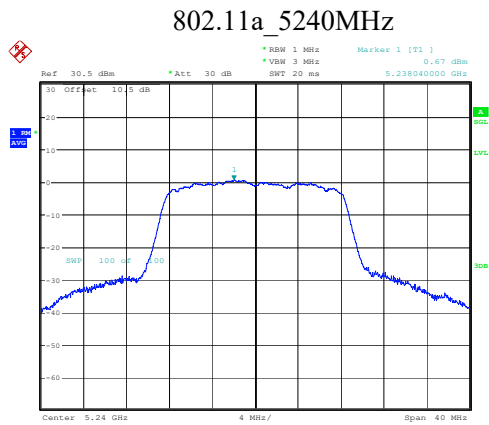
5150-5250MHz



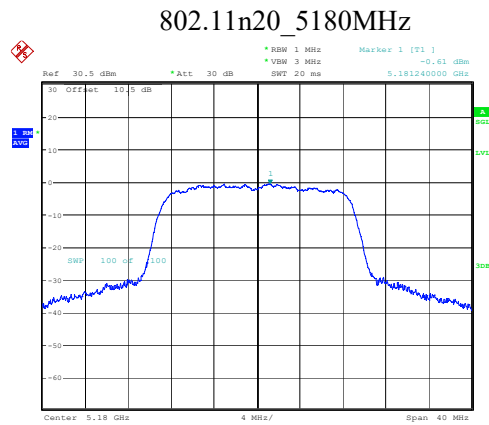
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 18.OCT.2024 23:27:04



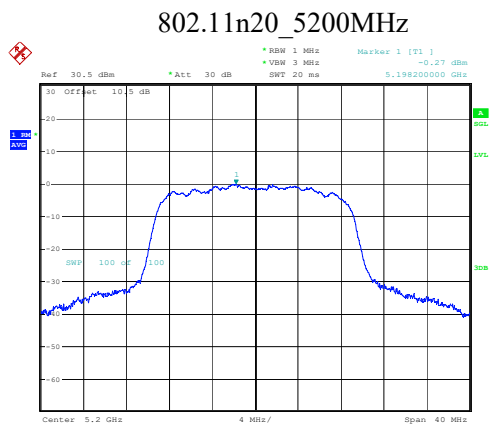
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Date: 18.OCT.2024 23:28:24



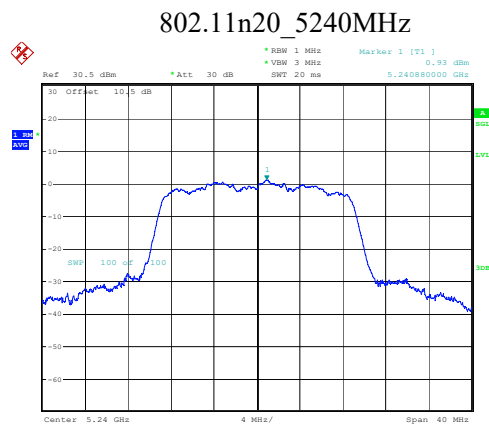
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ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 19.OCT.2024 00:23:27

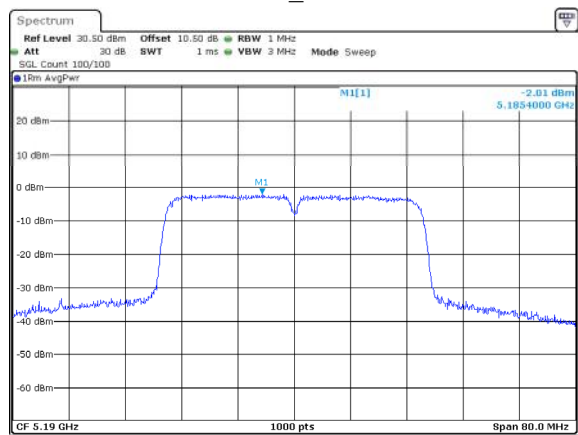


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Date: 19.OCT.2024 00:23:46

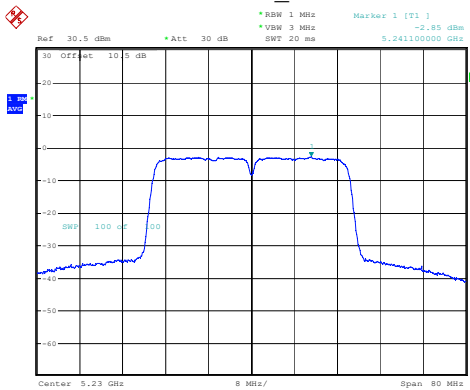


ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 19.OCT.2024 00:24:05

802.11n40_5190MHz

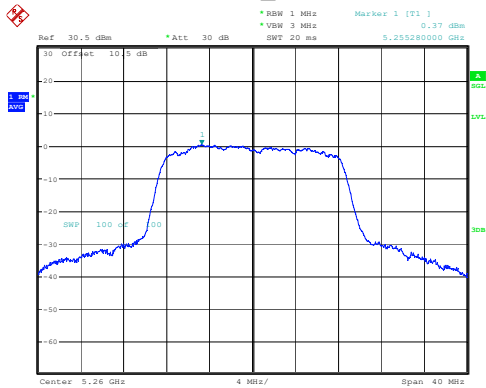


802.11n40_5230MHz

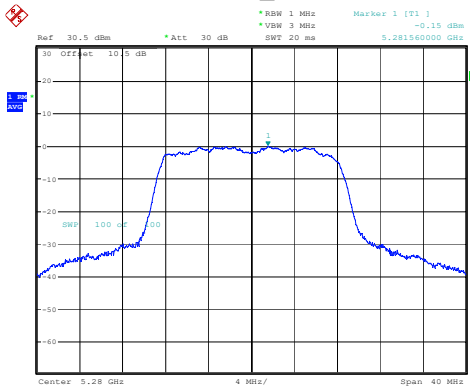


5250-5350MHz

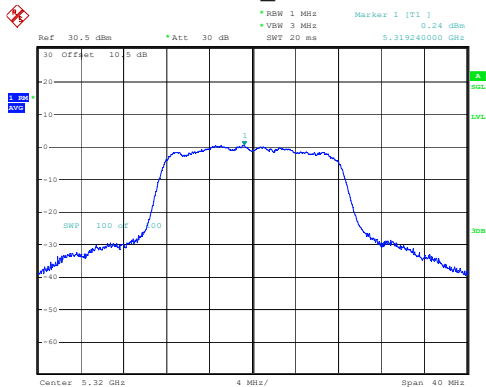
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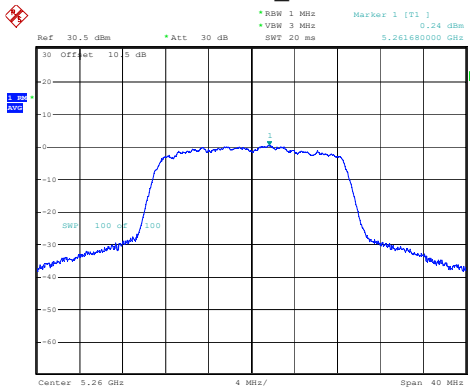
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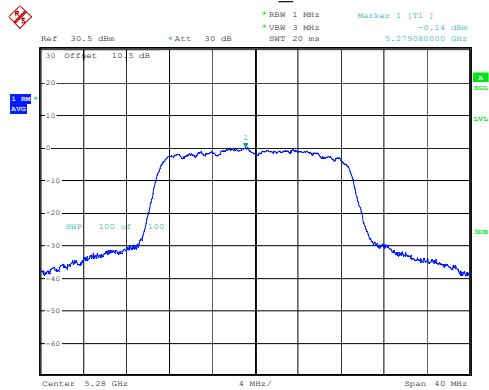
802.11a_5320MHz



802.11n20_5260MHz

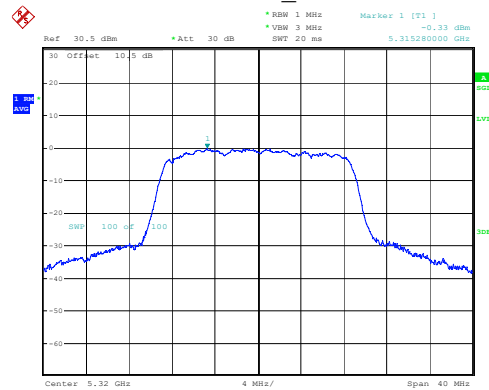


802.11n20_5280MHz



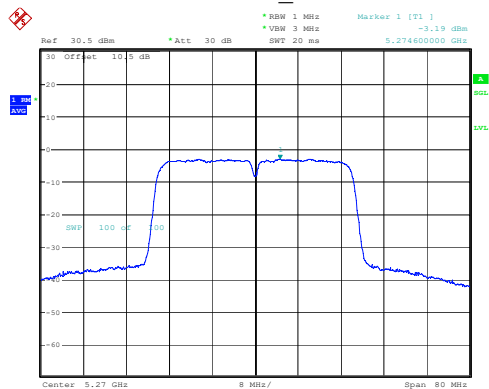
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802.11n20_5320MHz



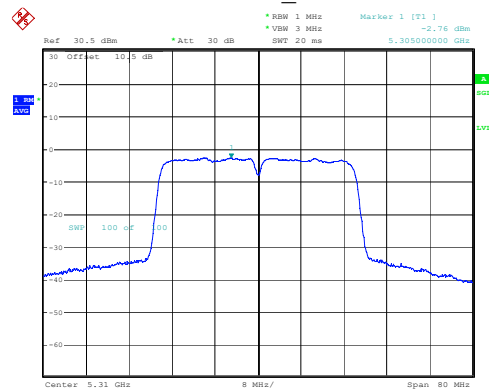
ProjectNo.:2401X47535E-RF Tester:Allen Bai
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802.11n40_5270MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 21.OCT.2024 23:21:09

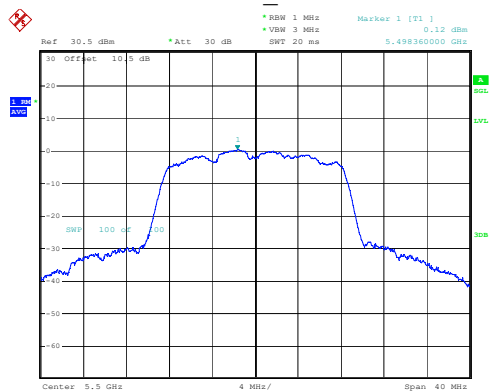
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ProjectNo.:2401X47535E-RF Tester:Allen Bai
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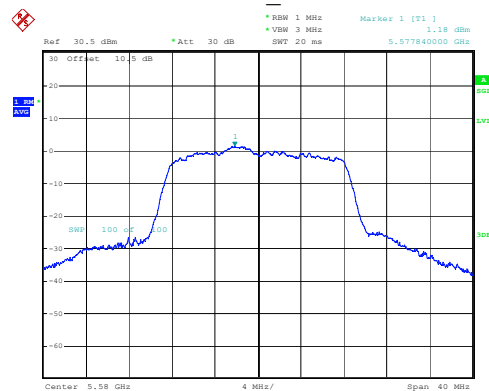
5470-5725MHz

802.11a_5500MHz



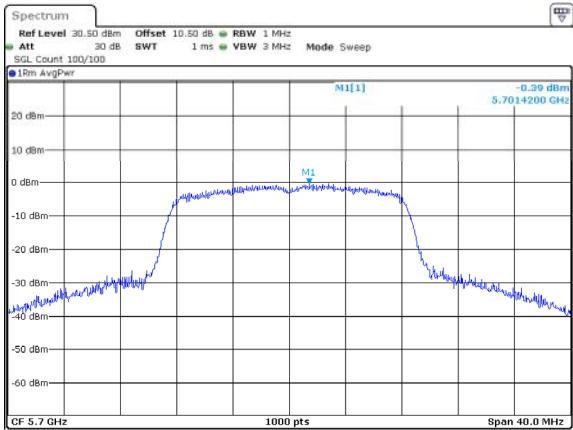
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802.11a_5580MHz



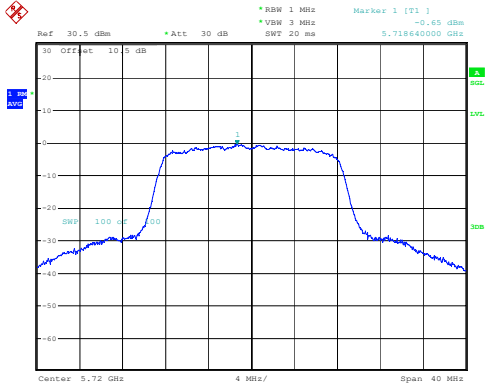
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Date: 18.OCT.2024 23:31:15

802.11a_5700MHz



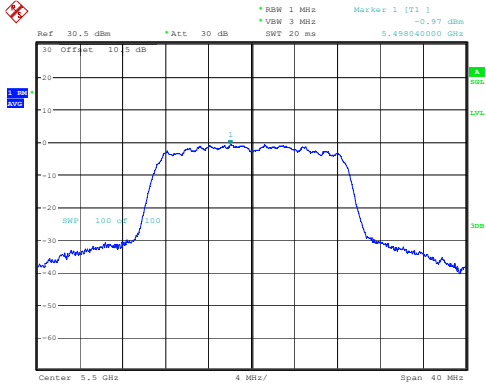
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802.11a_5720MHz



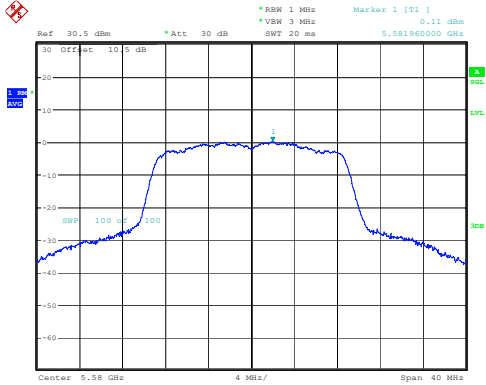
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802.11n20_5500MHz



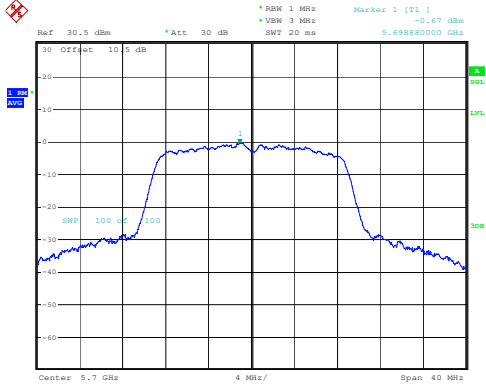
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Date: 19.OCT.2024 00:25:26

802.11n20_5580MHz



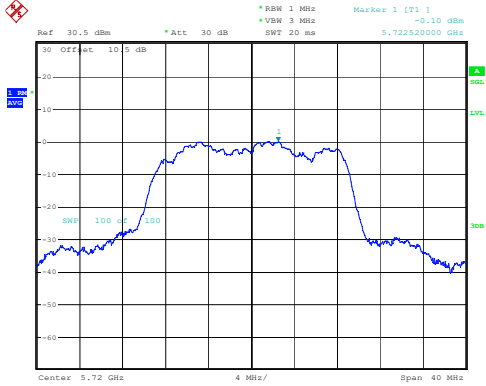
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 19.OCT.2024 00:25:44

802.11n20_5700MHz



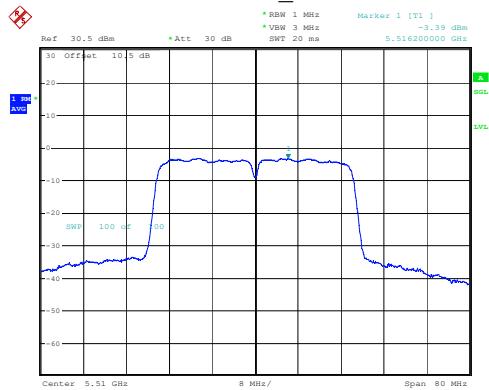
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Date: 19.OCT.2024 00:26:03

802.11n20_5720MHz



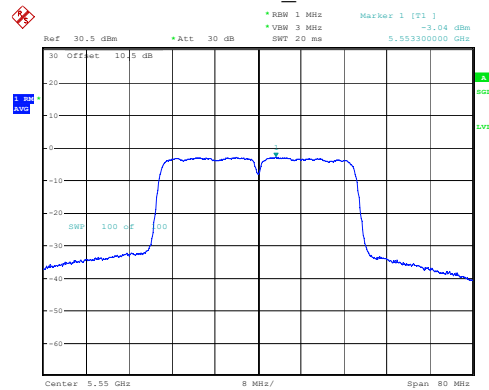
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Date: 19.OCT.2024 00:26:21

802.11n40_5510MHz



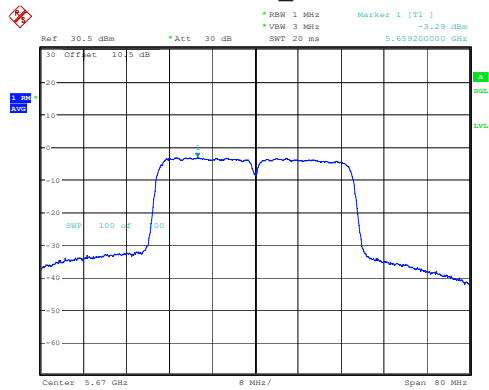
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 21.OCT.2024 23:22:30

802.11n40_5550MHz



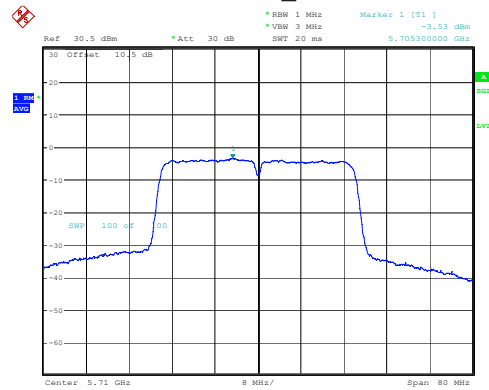
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 21.OCT.2024 23:22:55

802.11n40_5670MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
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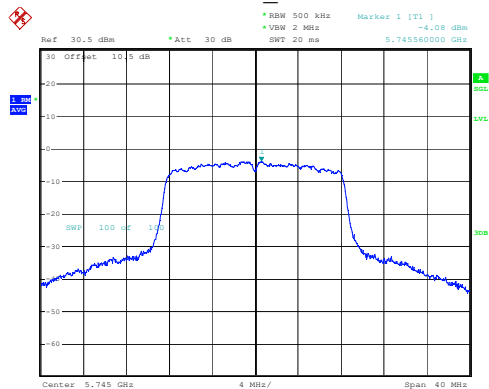
802.11n40_5710MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 21.OCT.2024 23:24:07

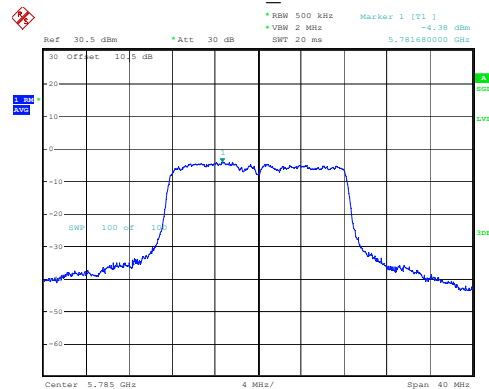
5725-5850MHz

802.11a_5745MHz



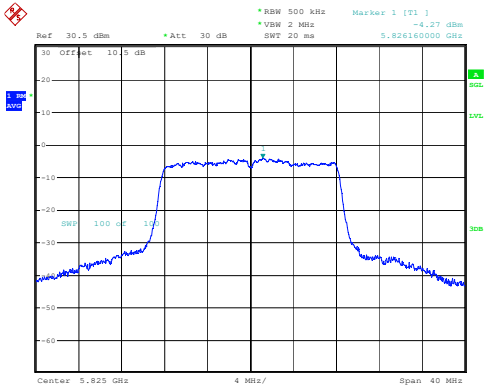
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802.11a_5785MHz



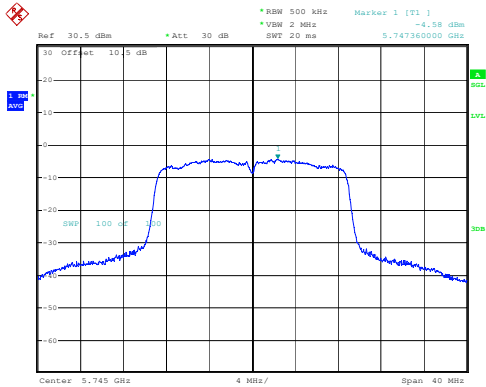
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802.11a_5825MHz



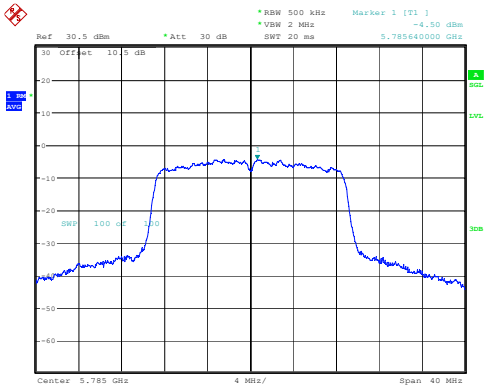
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802.11n20_5745MHz



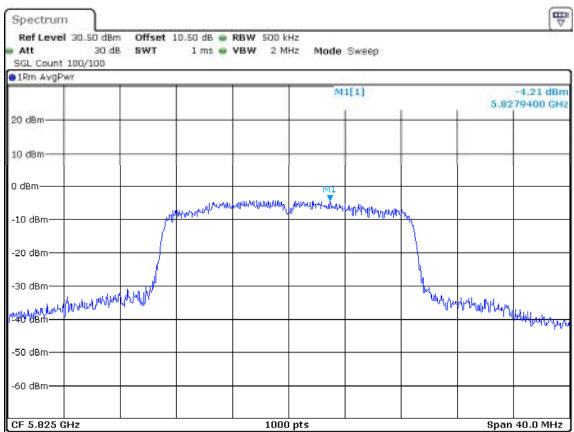
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802.11n20_5785MHz



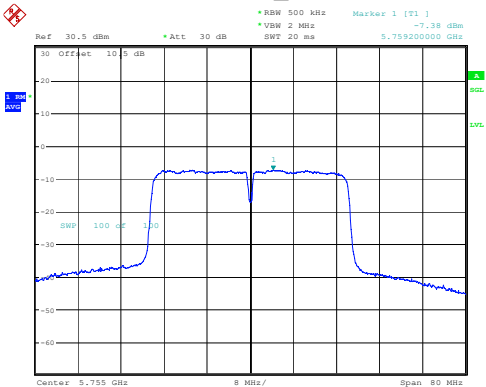
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Date: 19.OCT.2024 00:27:08

802.11n20_5825MHz



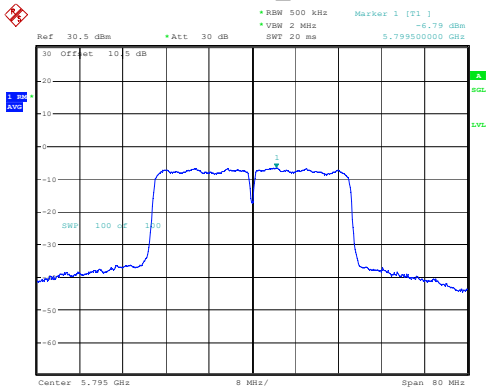
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 24.DEC.2024 00:34:07

802.11n40_5755MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 21.OCT.2024 23:24:38

802.11n40_5795MHz



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 21.OCT.2024 23:25:05

Duty Cycle

Test Information:

Sample No.:	2SAD-1	Test Date:	2024/10/18~2024/10/21
Test Site:	RF	Test Mode:	Transmitting
Tester:	Allen Bai	Test Result:	N/A

Environmental Conditions:

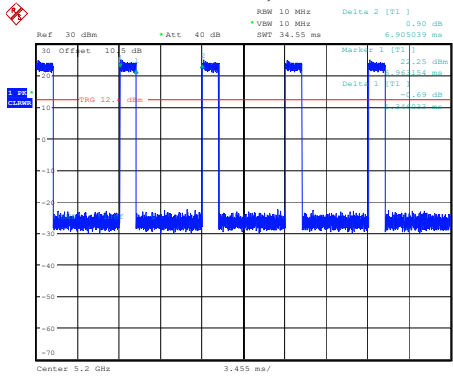
Temperature: (°C):	23-26	Relative Humidity: (%)	44-48	ATM Pressure: (kPa)	101
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Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.346	6.905	19.49	7.10	743	1
802.11n20	5200	1.236	6.462	19.13	7.18	809	1
802.11n40	5190	2.451	5.150	47.59	3.22	408	0.500

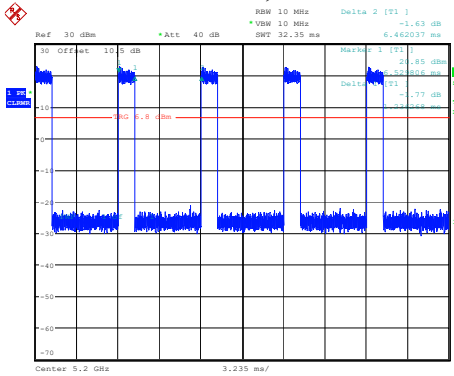
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz
1.346ms,6.905ms



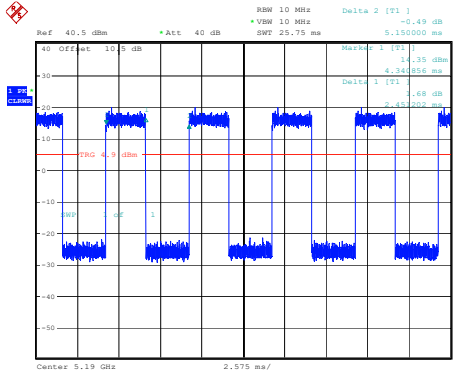
ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 18.OCT.2024 20:42:57

802.11n20_5200MHz
1.236ms,6.462ms



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 18.OCT.2024 23:39:09

802.11n40_5190MHz
2.451ms,5.150ms



ProjectNo.:2401X47535E-RF Tester:Allen Bai
Date: 21.OCT.2024 20:54:11

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 exemption from 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	$0.0128 R^2 f$
1,500-100,000	$19.2 R^2$

R is 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)		
5.2G Wi-Fi	5180-5240	18.0	3.68	1.53	19.53	0.090	0.2	0.768
5.3G Wi-Fi	5260-5320	18.0	3.68	1.53	19.53	0.090	0.2	0.768
5.6G Wi-Fi	5500-5720	18.0	3.68	1.53	19.53	0.090	0.2	0.768
5.8G Wi-Fi	5745-5825	16.5	3.68	1.53	18.03	0.064	0.2	0.768

Note:

1. The tune up conducted power and antenna gain was declared by the applicant.
2. The 2.4G and 5G Wi-Fi cannot transmit at same time.

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 2401X47535E-RF External photo and 2401X47535E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401X47535E-RF-00B Test Setup photo.

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