TEST REPORT

Applicant Name:	Fanvil Technology Co.，LTD.
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Report Number:	2401Y98612E-RF-00D
FCC ID:	2APPZ-V60W

Test Standard (s)

FCC PART 15.407

Sample Description

Product Type:	IP Phone
Model No.:	V60W
Multiple Model(s) No.:	N/A
Trade Mark:	Fanvil
Date Received:	2024-10-10
Issue Date:	2024-12-18

Test Result:	Pass▲

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

Prepared and Checked By:

Jack Zeng

RF Engineer

Approved By:

Jimmy Xiao

EMC Manager

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

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401Y98612E-RF-00D	Original Report	2024-12-18

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Frequency Range	5150-5250MHz; 5725-5850MHz
Mode	802.11a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80
Maximum Conducted Average Output Power	5150-5250MHz: 18.72dBm 5725-5850MHz: 18.13dBm
Modulation Technique	OFDM, OFDMA
Antenna Specification#	3.6dBi (provided by the applicant)
Voltage Range	DC 5V from adapter or PoE 48V
Sample serial number	2SLQ-1 for Conducted and Radiated Emissions Test 2SLQ-7 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Adapter 1 Model: DCT06W050100US-D0 Input: AC 100-240V, 50/60Hz, 200mA Output: DC 5.0V, 1.0A Adapter 2 Model: F05L5-050100SPAU Input: AC 100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 1.0A, 5.0W
Note: the EUT only supports the full RU for the 80211ax mode.	

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℃
Humidity		±1%
Supply voltages		±0.4%

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

Test Facility

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

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

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode, which was provided by manufacturer. The device support 802.11a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80, the 802.11 n20/n40 were reduced since the identical parameters with 802.11ac20 and ac40.

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

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

For 802.11a/ac20/ax20 mode: channel 36, 40, 48 were tested;
For 802.11ac40/ax40 mode: channel 38, 46 were tested;
For 802.11ac80/ax80 mode, channel 42 was tested.

For 5725-5850MHz Band, 8 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785
151	5755	159	5795
153	5765	161	5805
155	5775	165	5825

For 802.11a/ac20/ax20 mode: channel 149, 157, 165 were tested;
For 802.11ac40/ax40 mode: channel 151, 159 were tested;
For 802.11ac80/ax80 mode, channel 155 was tested.

EUT Exercise Software

Exercise Software#	SecureCRT_x86_7.1		
5150-5250 MHz Band			
Mode	Test Channels	Data rate	**Power Level#**
802.11a	Low	6Mbps	16
	Middle	6Mbps	16
	High	6Mbps	16
802.11ac20	Low	MCS0	25
	Middle	MCS0	25
	High	MCS0	25
802.11ac40	Low	MCS0	15
	High	MCS0	15
802.11ac80	Middle	MCS0	14
802.11ax20	Low	MCS0	15
	Middle	MCS0	15
	High	MCS0	15
802.11ax40	Low	MCS0	14
	High	MCS0	14
802.11ax80	Middle	MCS0	15
5725-5850 MHz Band			
Mode	Test Channels	Data rate	**Power Level#**
802.11a	Low	6Mbps	25
	Middle	6Mbps	25
	High	6Mbps	25
802.11ac20	Low	MCS0	16
	Middle	MCS0	16
	High	MCS0	16
802.11ac40	Low	MCS0	17
	High	MCS0	17
802.11ac80	Middle	MCS0	17
802.11ax20	Low	MCS0	16
	Middle	MCS0	16
	High	MCS0	16
802.11ax40	Low	MCS0	19
	High	MCS0	19
802.11ax80	Middle	MCS0	17

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
PHIHONG	PoE	POE29U-1AT(PL)	PH1253503JY
Lenovo	PC	G40-70m	YB08745628
Snom	Headset	A310D	3177099

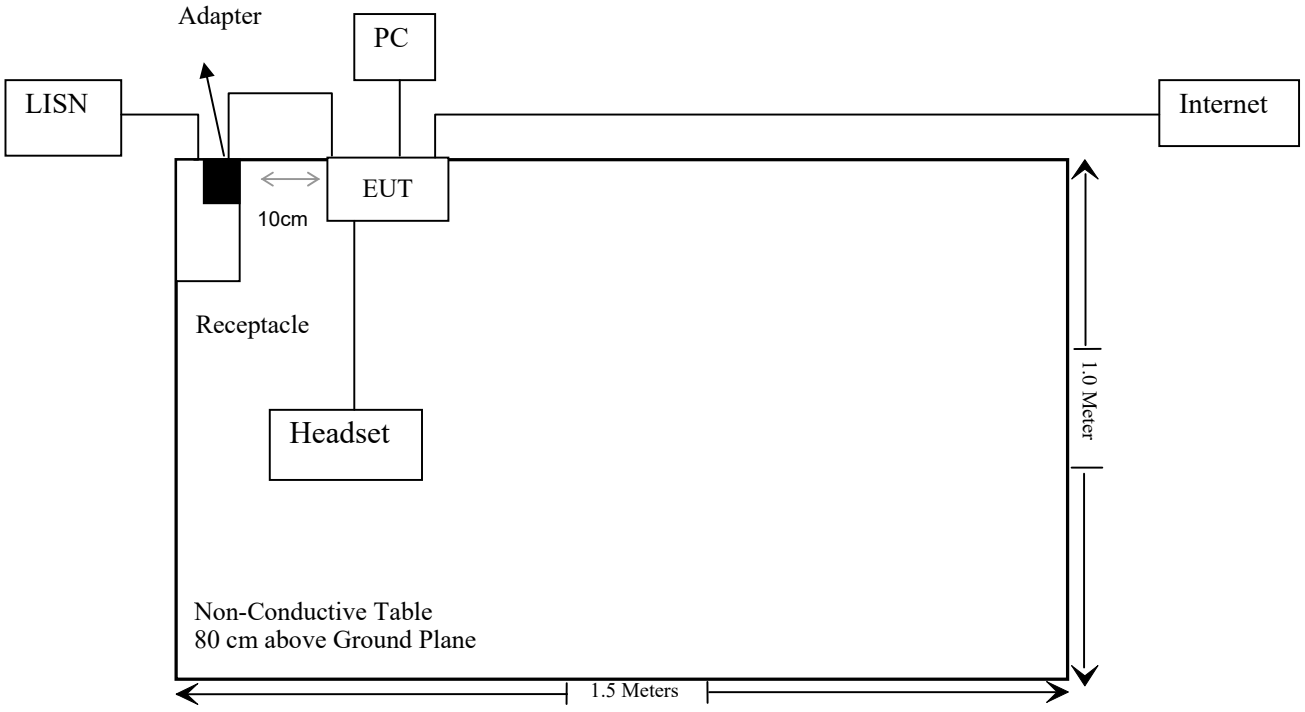
External I/O Cable

Cable Description	Length (m)	From Port	To
Unshielded Detachable RJ45 Cable	2.0	EUT	PC/PoE
Unshielded detachable RJ45 cable	3.0	EUT	Internet
Unshielded Un-detachable headset Cable	1.2	EUT	Headset
Unshielded Un-detachable DC Cable	1.2	EUT	Adapter

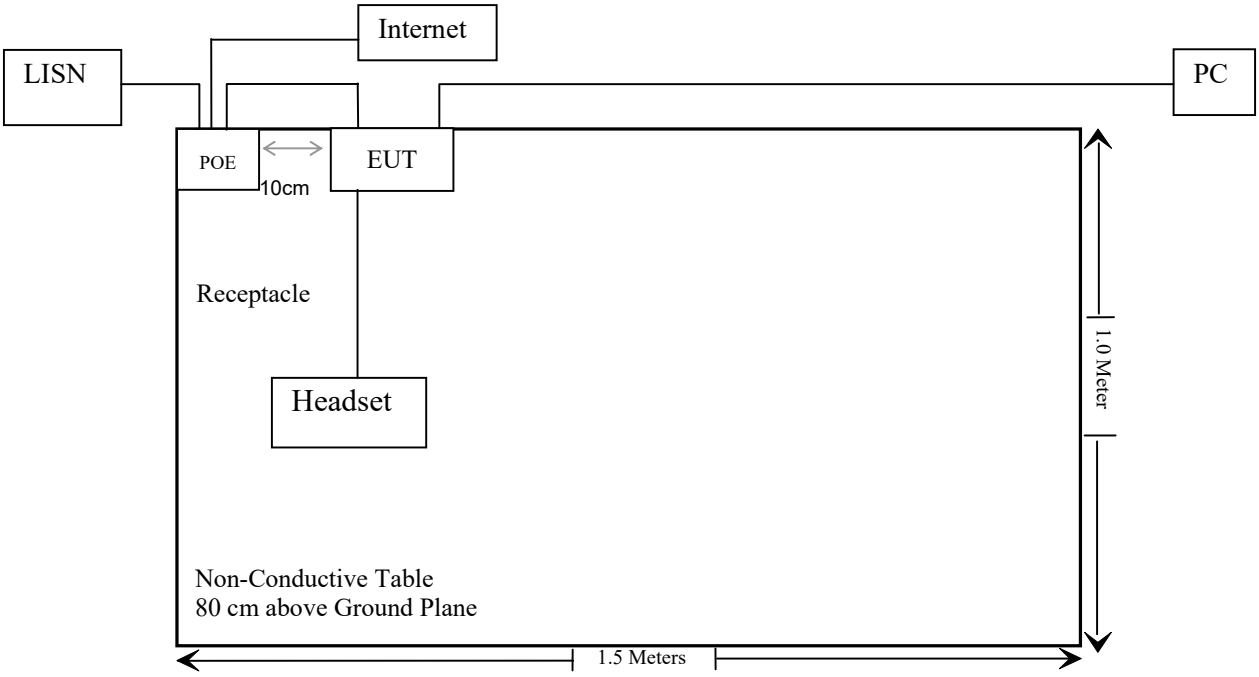
Block Diagram of Test Setup

For Conducted Emissions:

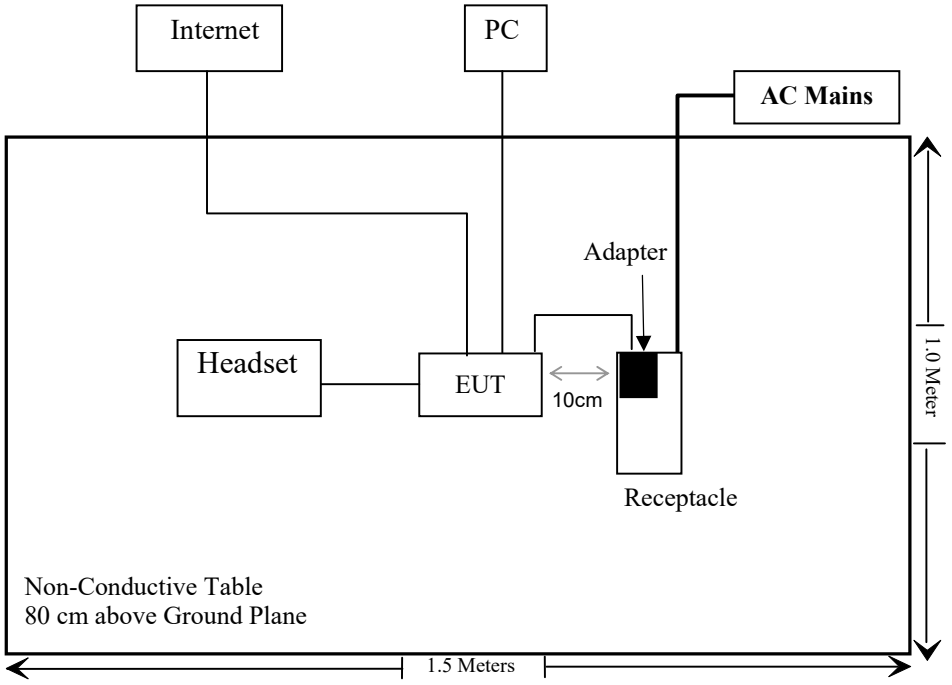
For Adapter



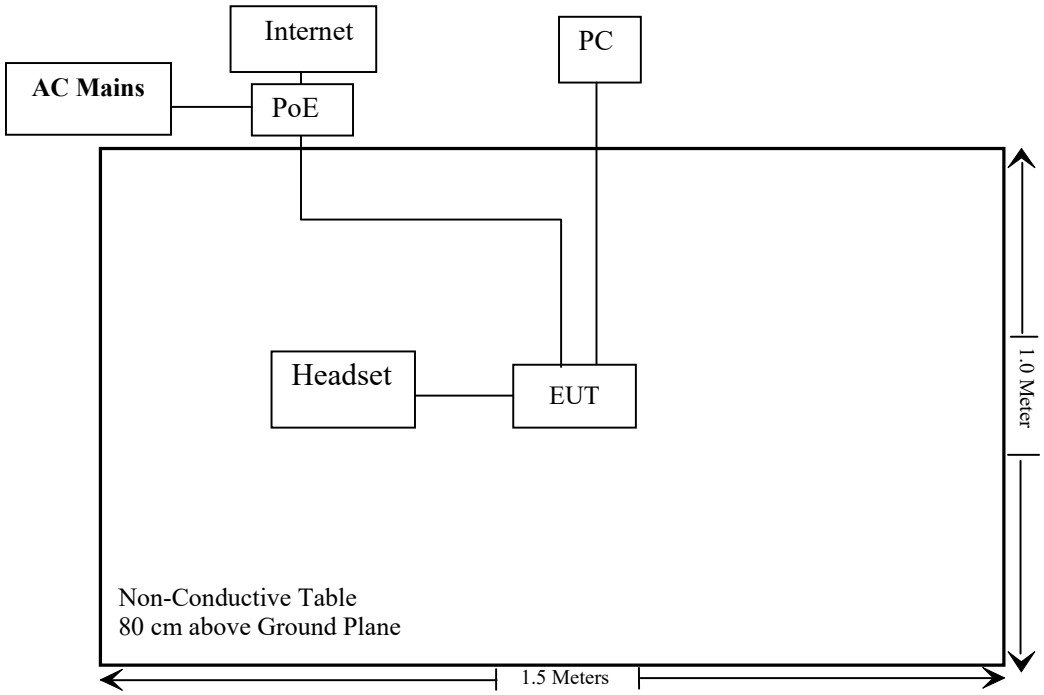
For PoE



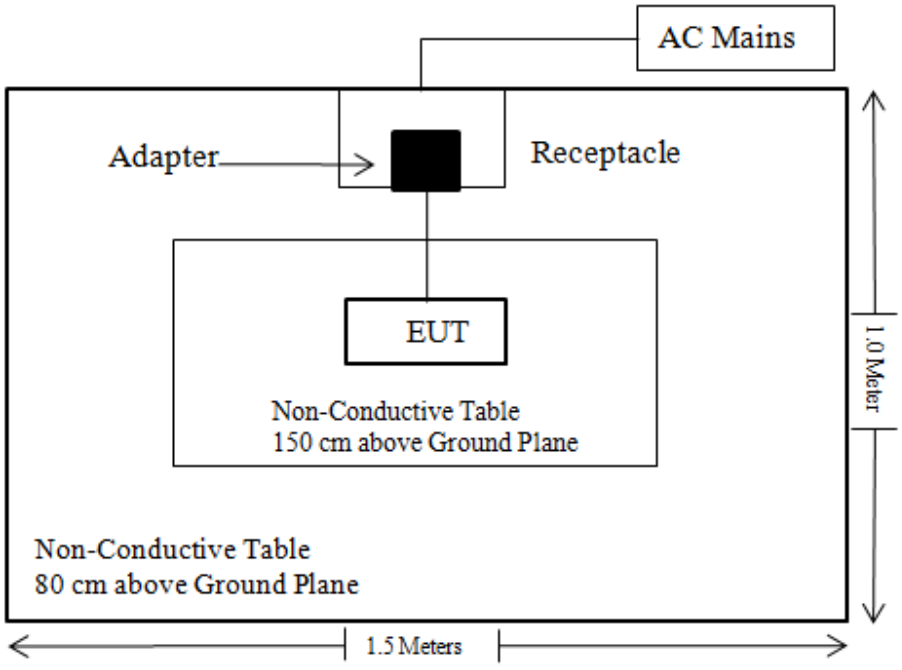
For Radiated Emissions below 1GHz:
For Adapter



For PoE



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	Compliant
FCC §15.207(a)	AC Line Conducted Emissions	Compliant
FCC §15.207(a)	Undesirable Emission& Restricted Bands	Compliant
FCC§15.407(a) (e)	Emission Bandwidth	Compliant
FCC§15.407(a) (e)	99% Occupied Bandwidth	Compliant
FCC§15.407 (a)	Maximum Conducted Output Power	Compliant
FCC§15.407 (a)	Power Spectral Density	Compliant
C63.10 §11.6	Duty Cycle	Compliant
FCC §1.1307&§2.1091&§15.407 (f)	Maximum Permissible Exposure(MPE)	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/01/16	2025/01/15
Rohde & Schwarz	LISN	ENV216	101613	2024/01/16	2025/01/15
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2024/05/21	2025/05/20
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	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	310 N	186238	2024/05/21	2025/05/20
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Cable	Chamber A Cable 1	N/A	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	735	2024/06/18	2025/06/17
Unknown	RF Cable	UFA147	219661	2024/06/18	2025/06/17
JD	Multiplex Switch Test Control Set	DT7220FSU	DQ77926	2024/06/18	2025/06/17
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2024/03/27	2025/03/26
A.H.System	Pre-amplifier	PAM-1840VH	190	2024/06/18	2025/06/17
Electro-Mechanics Co	Horn Antenna	3116	2026	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 Analyzer	FSV40	101942	2024/09/20	2025/09/19
Rohde & Schwarz	Spectrum Analyzer	FSU26	200982	2024/09/20	2025/09/19
ANRITSU	Microwave peak power sensor	MA24418A	12622	2024/05/21	2025/05/20
Unknown	10dB Attenuator	Unknown	F-03-EM190	2024/06/27	2025/06/26
Unknown	RF Cable	65475	01670515	2024/06/27	2025/06/26

*** 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).

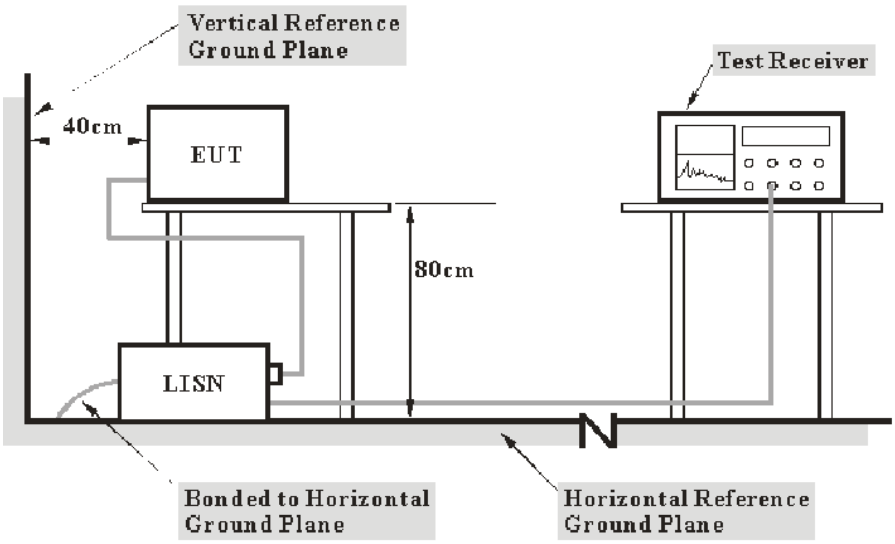
REQUIREMENTS AND TEST PROCEDURES

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:

Factor = LISN VDF + Cable Loss

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

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

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

Undesirable Emission

Applicable Standard

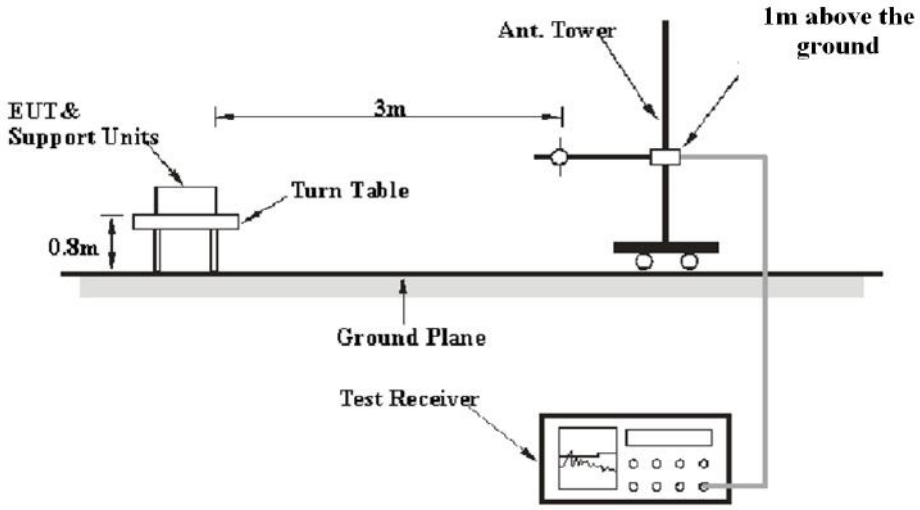
FCC §15.407 (b); §15.209; §15.205;

(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.

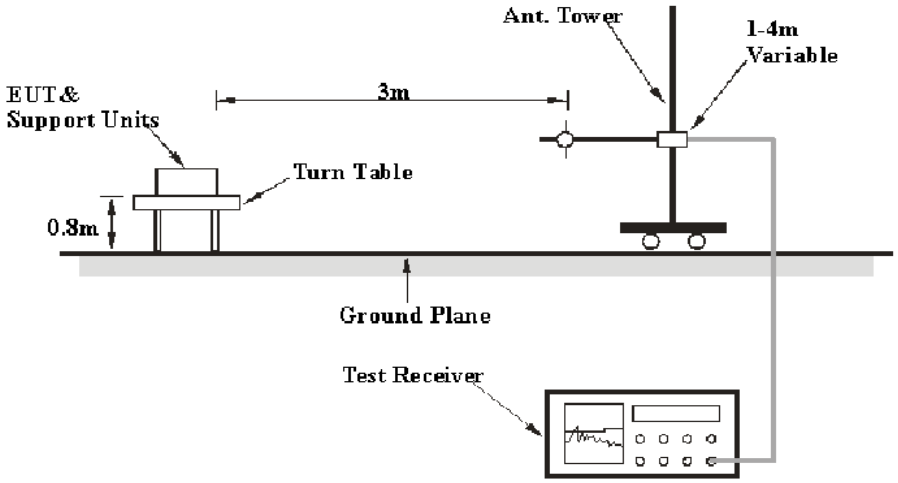
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

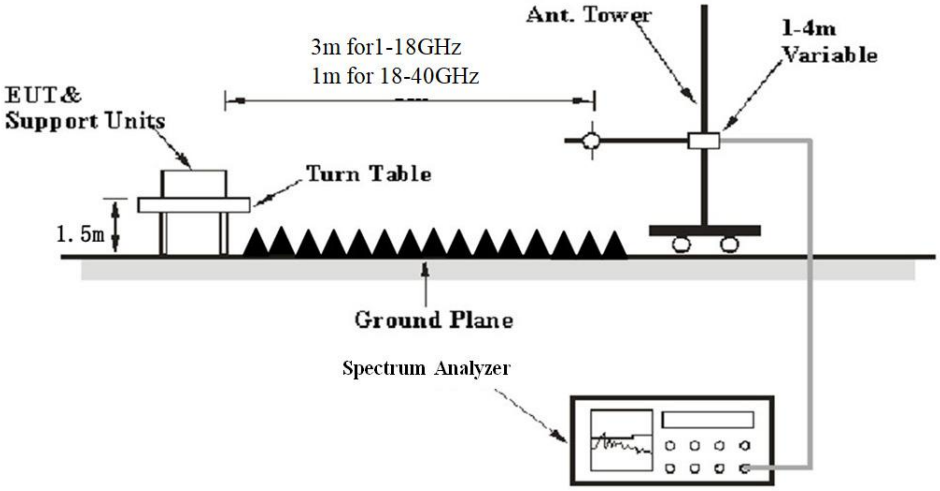
9 kHz-30MHz:



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 or 5 kHz which is larger

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;

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

where

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

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

Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

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

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

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%.

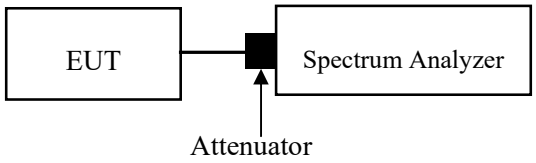
2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 × RBW.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

3. 99% Occupied Bandwidth:

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 (OBW/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.

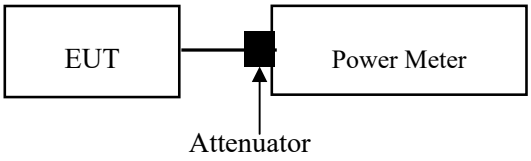
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11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

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

Test Procedure

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

Duty cycle ≥98%

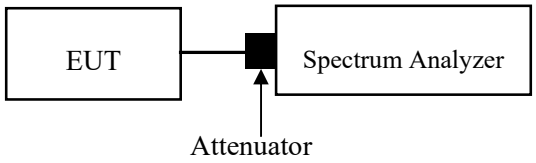
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

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

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

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

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



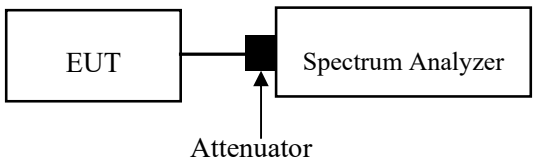
Note: A short RF cable with low cable loss connected to the EUT antenna port,which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Duty Cycle

Test Procedure

According to ANSI C63.10-2013 Section 12.2

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



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 one internal antenna arrangement, which was permanently attached, the antenna gain[#] is 3.6dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant

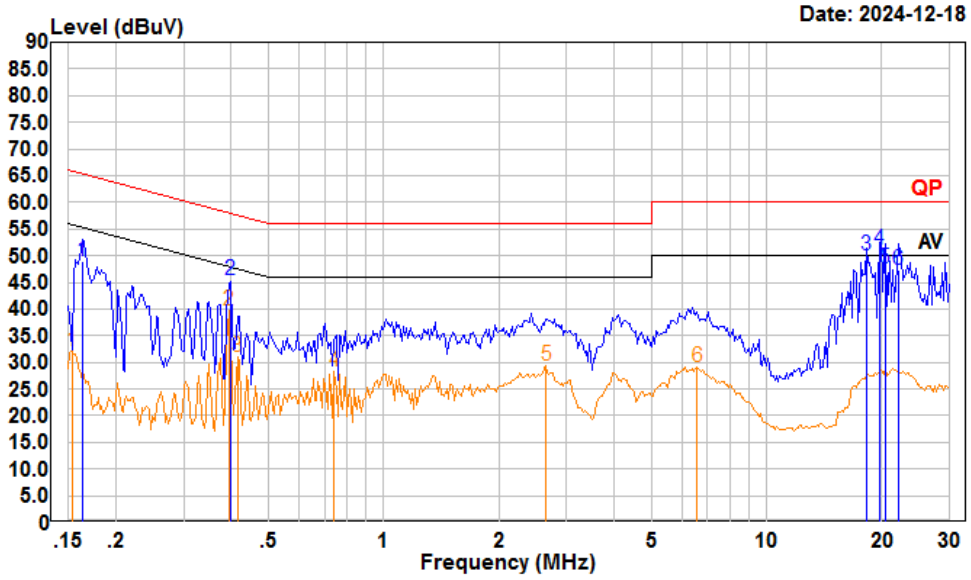
TEST DATA AND RESULTS

Conducted Emissions

Temperature (℃)	22.9~27	**Relative Humidity (%)**	38~62
ATM Pressure (kPa)	101~101.5	**Test engineer**	Macy Shi
Test date	2024/10/30~2024/12/18		
EUT operation mode	Transmitting(Maximum output power mode, 802.11ac20 5180MHz)		

For PoE

AC 120V/60 Hz, Line



Trace: 1

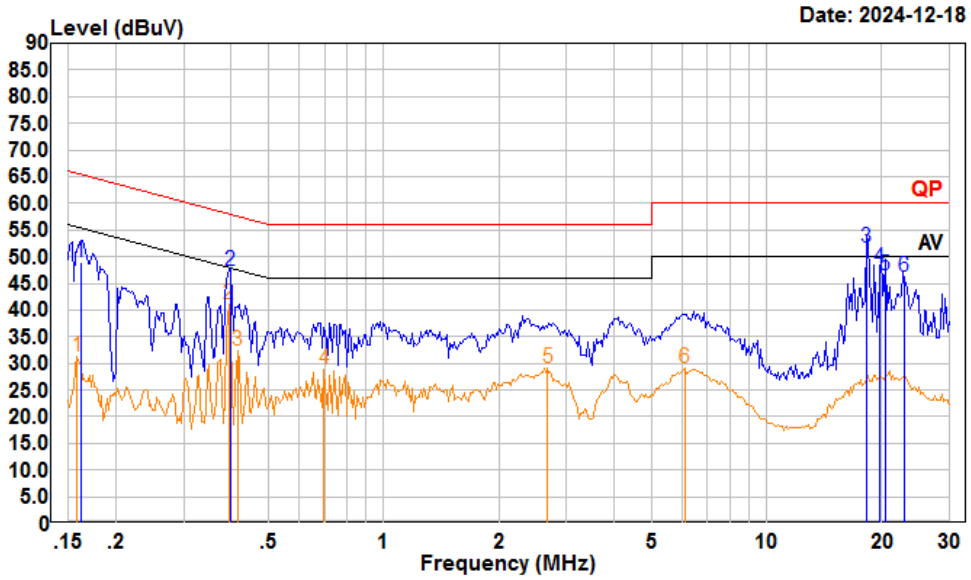
Condition: Line
Project : 2401Y98612E-RF
tester : Macy.shi
Note : Transmitting
Detector : RBW:9KHz VBW:Auto SWT:Auto

	Freq	Read Level	LISN Level	Cable Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.163	28.50	49.01	10.40	10.11	65.30	-16.29	QP
2	0.398	25.10	45.45	10.25	10.10	57.90	-12.45	QP
3	18.243	29.20	49.96	10.57	10.19	60.00	-10.04	QP
4	19.708	30.30	51.15	10.68	10.17	60.00	-8.85	QP
5	20.380	26.80	47.67	10.70	10.17	60.00	-12.33	QP
6	22.063	26.57	47.43	10.68	10.18	60.00	-12.57	QP

	Freq	Read Level	LISN Level	Cable Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.153	11.68	32.21	10.40	10.13	55.82	-23.61	Average
2	0.393	19.38	39.73	10.25	10.10	47.99	-8.26	Average
3	0.415	10.75	31.10	10.24	10.11	47.55	-16.45	Average
4	0.743	7.73	28.30	10.43	10.14	46.00	-17.70	Average
5	2.650	8.83	29.34	10.34	10.17	46.00	-16.66	Average

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
6	6.592	8.22	28.99	10.58	10.19	50.00	-21.01	Average

AC 120V/60 Hz, Neutral



Trace: 1

Condition: Neutral
Project : 2401Y98612E-RF
tester : Macy.shi
Note : Transmitting
Detector : RBW:9KHz VBW:Auto SWT:Auto

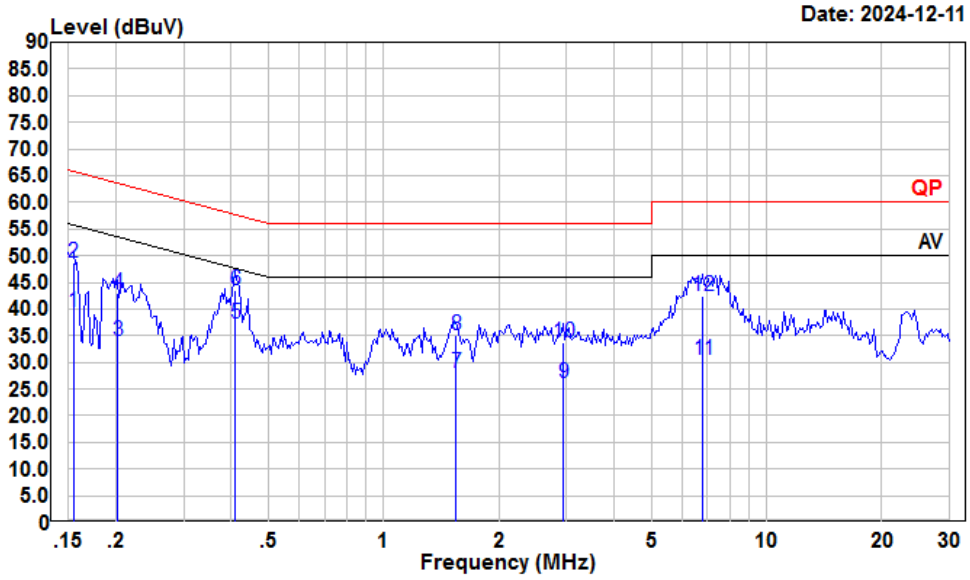
	Freq	Read Level	LISN Level	Cable Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.162	28.61	49.02	10.30	10.11	65.38	-16.36	QP
2	0.398	26.50	47.35	10.75	10.10	57.90	-10.55	QP
3	18.243	31.30	51.75	10.26	10.19	60.00	-8.25	QP
4	19.707	27.50	47.88	10.21	10.17	60.00	-12.12	QP
5	20.377	26.11	46.48	10.20	10.17	60.00	-13.52	QP
6	22.885	25.70	46.11	10.23	10.18	60.00	-13.89	QP

	Freq	Read Level	LISN Level	Cable Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.158	10.87	31.26	10.27	10.12	55.56	-24.30	Average
2	0.393	20.25	41.10	10.75	10.10	47.99	-6.89	Average
3	0.415	11.39	32.26	10.76	10.11	47.55	-15.29	Average
4	0.697	8.08	28.73	10.50	10.15	46.00	-17.27	Average
5	2.678	8.66	29.06	10.23	10.17	46.00	-16.94	Average

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
6	6.121	8.41	29.00	10.40	10.19	50.00	-21.00	Average

For Adapter 1

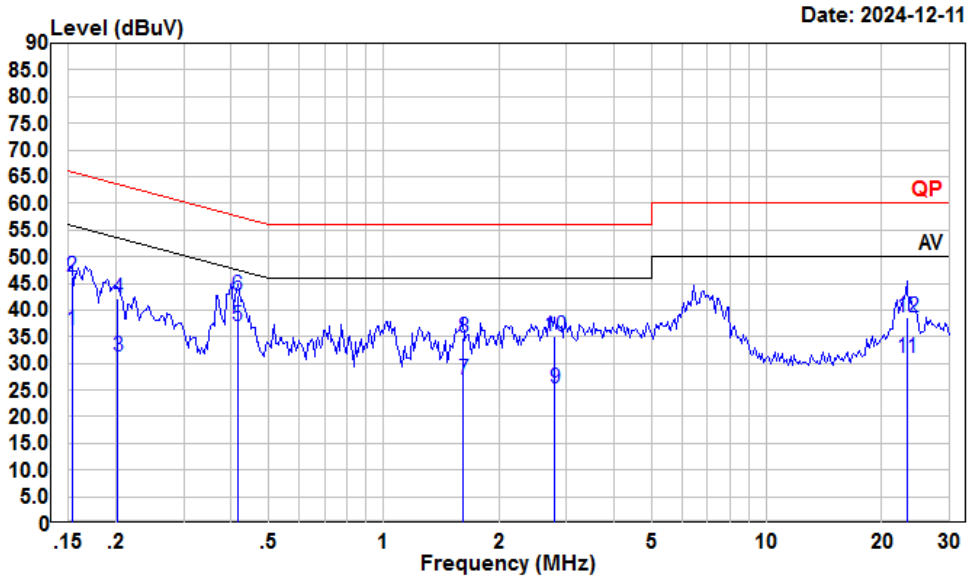
AC 120V/60 Hz, Line



Condition: Line
Project : 2401Y98612E-RF
tester : Macy.shi
Note : Transmitting
Detector : RBW:9KHz VBW:Auto SWT:Auto

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.155	18.35	39.36	10.89	10.12	55.74	-16.38	Average
2	0.155	27.55	48.56	10.89	10.12	65.74	-17.18	QP
3	0.202	13.04	33.93	10.80	10.09	53.54	-19.61	Average
4	0.202	21.99	42.88	10.80	10.09	63.54	-20.66	QP
5	0.410	16.72	37.38	10.56	10.10	47.64	-10.26	Average
6	0.410	22.84	43.50	10.56	10.10	57.64	-14.14	QP
7	1.544	7.32	28.01	10.53	10.16	46.00	-17.99	Average
8	1.544	14.42	35.11	10.53	10.16	56.00	-20.89	QP
9	2.946	5.55	26.16	10.43	10.18	46.00	-19.84	Average
10	2.946	13.23	33.84	10.43	10.18	56.00	-22.16	QP
11	6.805	9.72	30.40	10.49	10.19	50.00	-19.60	Average
12	6.805	21.83	42.51	10.49	10.19	60.00	-17.49	QP

AC 120V/60 Hz, Neutral

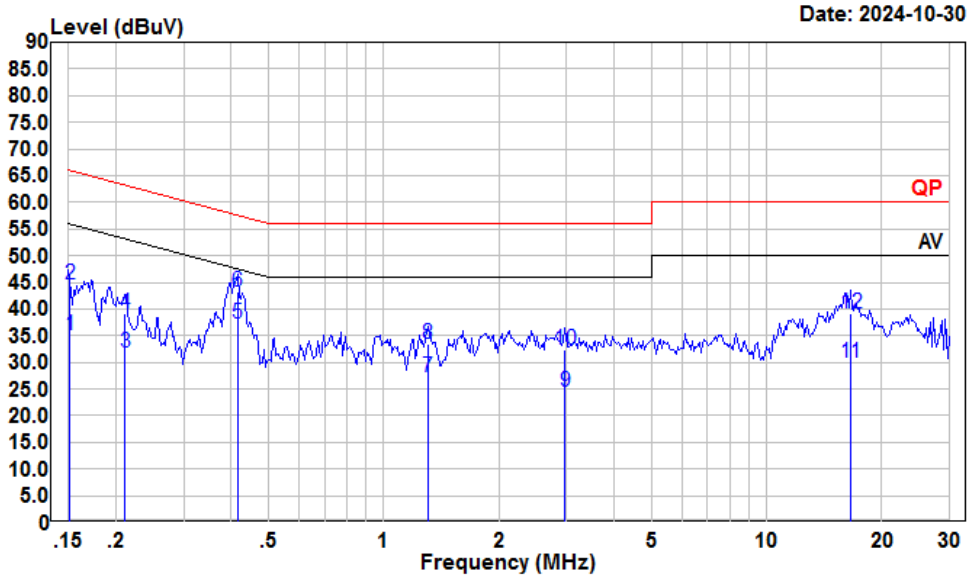


Condition: Neutral
Project : 2401Y98612E-RF
tester : Macy.shi
Note : Transmitting
Detector : RBW:9KHz VBW:Auto SWT:Auto

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.153	15.32	36.04	10.59	10.13	55.82	-19.78	Average
2	0.153	25.42	46.14	10.59	10.13	65.82	-19.68	QP
3	0.202	10.88	31.37	10.40	10.09	53.54	-22.17	Average
4	0.202	21.72	42.21	10.40	10.09	63.54	-21.33	QP
5	0.415	16.35	37.10	10.64	10.11	47.55	-10.45	Average
6	0.415	21.96	42.71	10.64	10.11	57.55	-14.84	QP
7	1.610	6.17	26.90	10.56	10.17	46.00	-19.10	Average
8	1.610	14.13	34.86	10.56	10.17	56.00	-21.14	QP
9	2.794	4.75	25.33	10.40	10.18	46.00	-20.67	Average
10	2.794	14.45	35.03	10.40	10.18	56.00	-20.97	QP
11	23.263	10.09	30.90	10.63	10.18	50.00	-19.10	Average
12	23.263	17.95	38.76	10.63	10.18	60.00	-21.24	QP

For Adapter 2

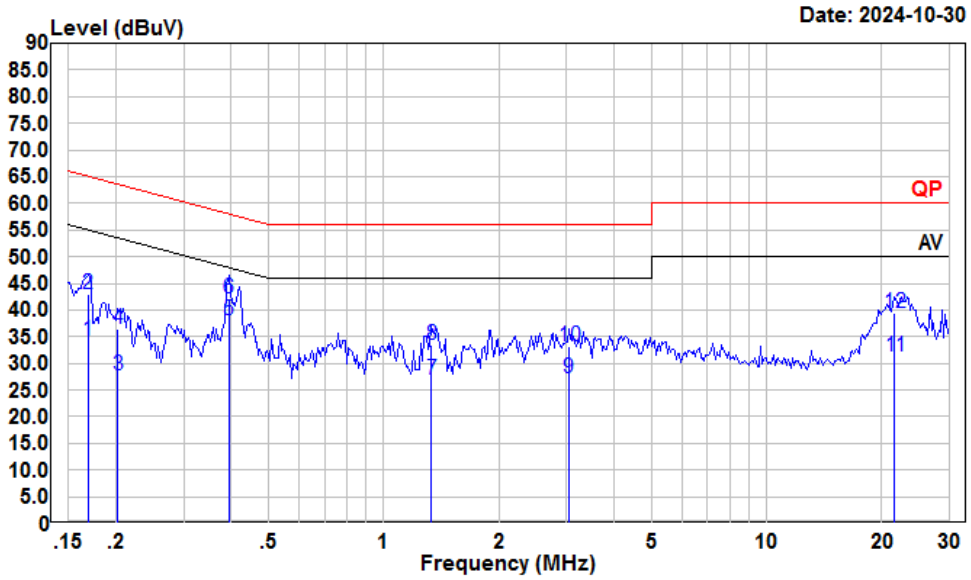
AC 120V/60 Hz, Line



Condition: Line
Project : 2401Y98612E-RF
tester : Macy.shi
Note : 5G WIFI Transmitting

	Freq	Read Level	LISN Level	Cable Factor	Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.152	13.94	34.97	10.90	10.13	55.91	-20.94	Average
2	0.152	23.53	44.56	10.90	10.13	65.91	-21.35	QP
3	0.211	10.98	31.85	10.78	10.09	53.18	-21.33	Average
4	0.211	18.38	39.25	10.78	10.09	63.18	-23.93	QP
5	0.415	16.59	37.26	10.56	10.11	47.55	-10.29	Average
6	0.415	22.51	43.18	10.56	10.11	57.55	-14.37	QP
7	1.303	6.63	27.26	10.48	10.15	46.00	-18.74	Average
8	1.303	12.76	33.39	10.48	10.15	56.00	-22.61	QP
9	2.978	3.96	24.57	10.43	10.18	46.00	-21.43	Average
10	2.978	11.68	32.29	10.43	10.18	56.00	-23.71	QP
11	16.573	8.94	29.84	10.70	10.20	50.00	-20.16	Average
12	16.573	18.16	39.06	10.70	10.20	60.00	-20.94	QP

AC 120V/60 Hz, Neutral



Condition: Neutral
Project : 2401Y98612E-RF
tester : Macy.shi
Note : 5G WIFI Transmitting

	Freq	Read Level	LISN Level	Cable Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.169	13.72	34.34	10.52	10.10	55.03	-20.69	Average
2	0.169	22.25	42.87	10.52	10.10	65.03	-22.16	QP
3	0.202	7.28	27.77	10.40	10.09	53.54	-25.77	Average
4	0.202	16.04	36.53	10.40	10.09	63.54	-27.01	QP
5	0.393	17.37	38.09	10.62	10.10	47.99	-9.90	Average
6	0.393	21.39	42.11	10.62	10.10	57.99	-15.88	QP
7	1.331	6.00	26.84	10.69	10.15	46.00	-19.16	Average
8	1.331	12.70	33.54	10.69	10.15	56.00	-22.46	QP
9	3.041	6.55	27.13	10.40	10.18	46.00	-18.87	Average
10	3.041	12.67	33.25	10.40	10.18	56.00	-22.75	QP
11	21.600	10.50	31.34	10.66	10.18	50.00	-18.66	Average
12	21.600	18.73	39.57	10.66	10.18	60.00	-20.43	QP

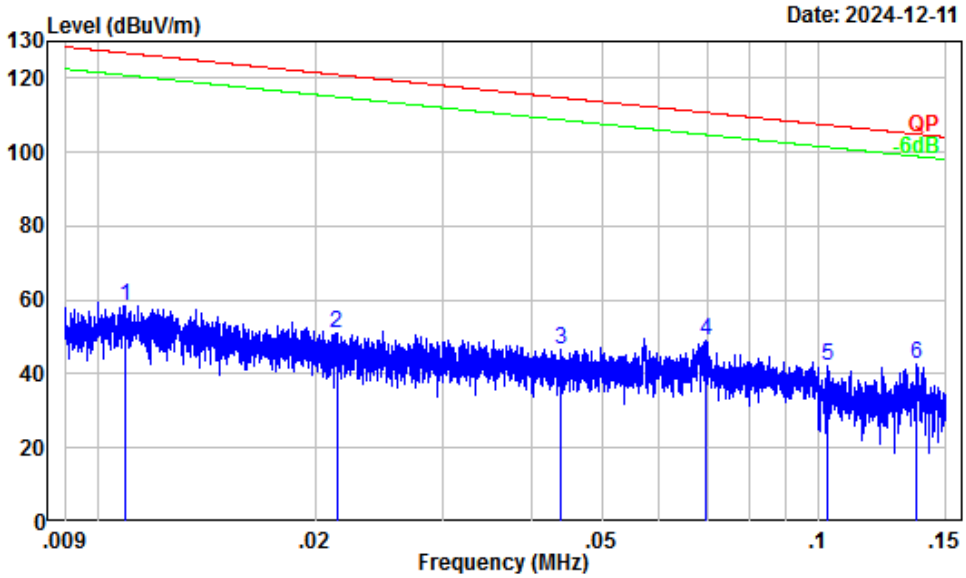
Undesirable Emission

Temperature (℃)	22~26	**Relative Humidity (%)**	50~54
ATM Pressure (kPa):	101	**Test engineer:**	Carl Zhu & Anson Su & Dylan Yang
Test date:	2024/11/07-2024/12/11		
EUT operation mode:	Below 1GHz: Transmitting(Maximum output power mode, 802.11ac20 5180MHz) Above 1GHz: Transmitting		
Note:	After pre-scan in the X, Y and Z axes of orientation, the worst case z-axis of orientation were recorded.		

9 kHz-30MHz:

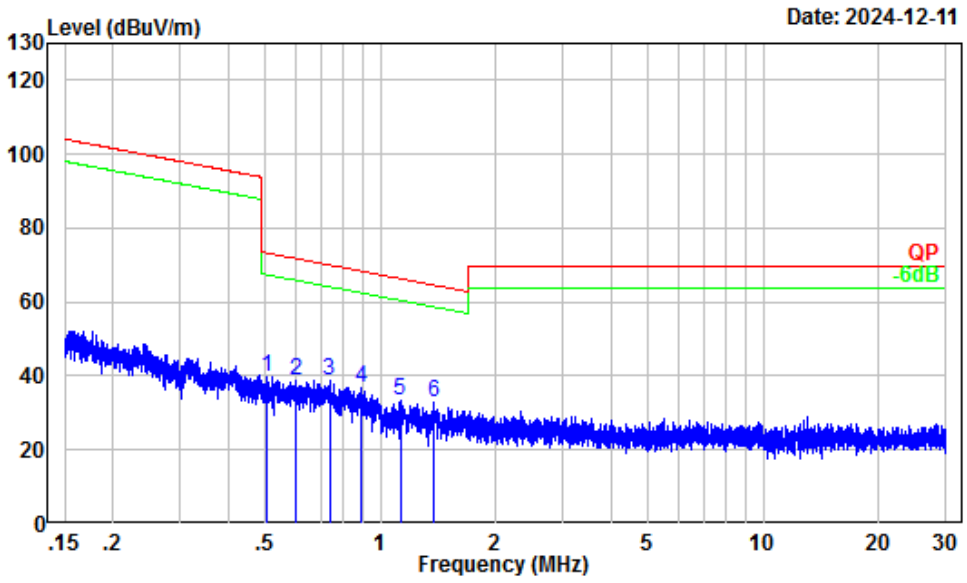
Parallel (worst case)

For PoE



Site : Chamber A
Condition : 3m
Project Number : 2401Y98612E-RF
Test Mode : Transmitting
Detector QP RBW: 0.3KHz VBW:1KHz
Tester : Carl Zhu

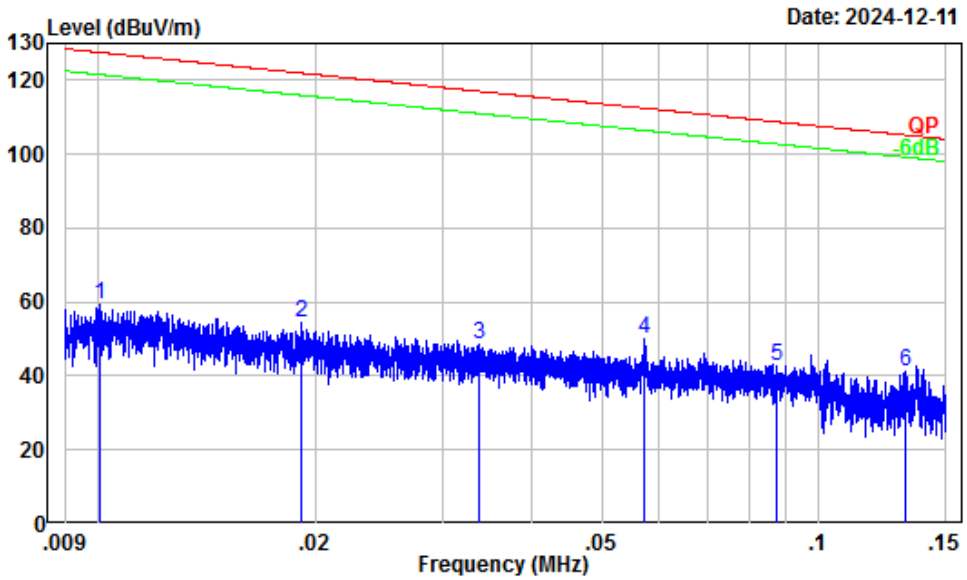
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	32.13	26.37	58.50	126.86	-68.36	Peak
2	0.02	30.13	21.09	51.22	120.98	-69.76	Peak
3	0.04	27.05	19.54	46.59	114.78	-68.19	Peak
4	0.07	24.44	24.51	48.95	110.75	-61.80	Peak
5	0.10	21.85	20.34	42.19	107.38	-65.19	Peak
6	0.14	19.83	22.68	42.51	104.88	-62.37	Peak



Site : Chamber A
Condition : 3m
Project Number : 2401Y98612E-RF
Test Mode : Transmitting
Detector QP RBW: 10KHz VBW:30KHz
Tester : Carl Zhu

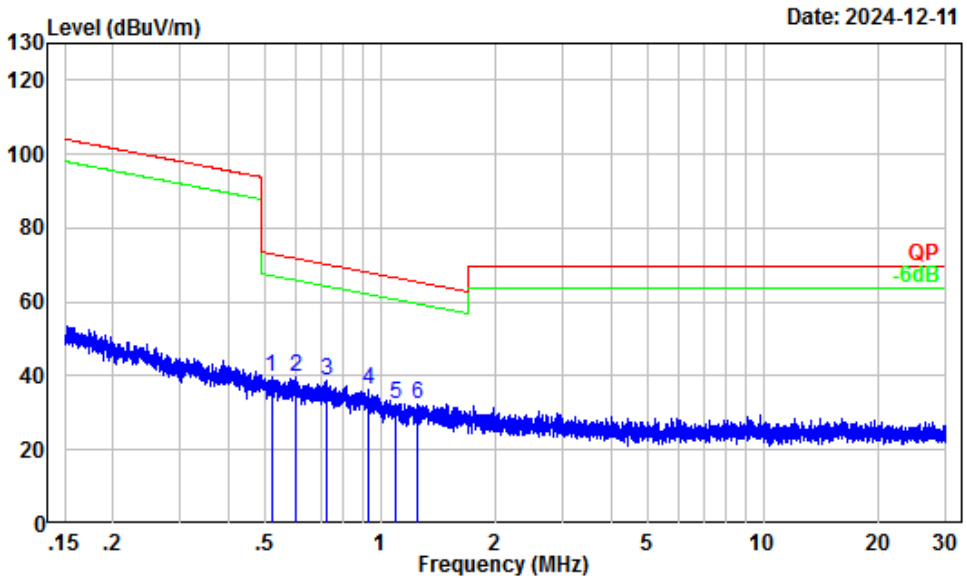
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.50	6.36	33.52	39.88	73.57	-33.69	Peak
2	0.60	5.12	33.73	38.85	71.95	-33.10	Peak
3	0.74	3.49	35.04	38.53	70.19	-31.66	Peak
4	0.89	2.00	34.65	36.65	68.47	-31.82	Peak
5	1.13	0.84	32.37	33.21	66.41	-33.20	Peak
6	1.38	0.13	32.61	32.74	64.60	-31.86	Peak

For Adapter1



Site : Chamber A
Condition : 3m
Project Number : 2401Y98612E-RF
Test Mode : Transmitting
Detector QP RBW: 0.3KHz VBW:1KHz
Tester : Carl Zhu

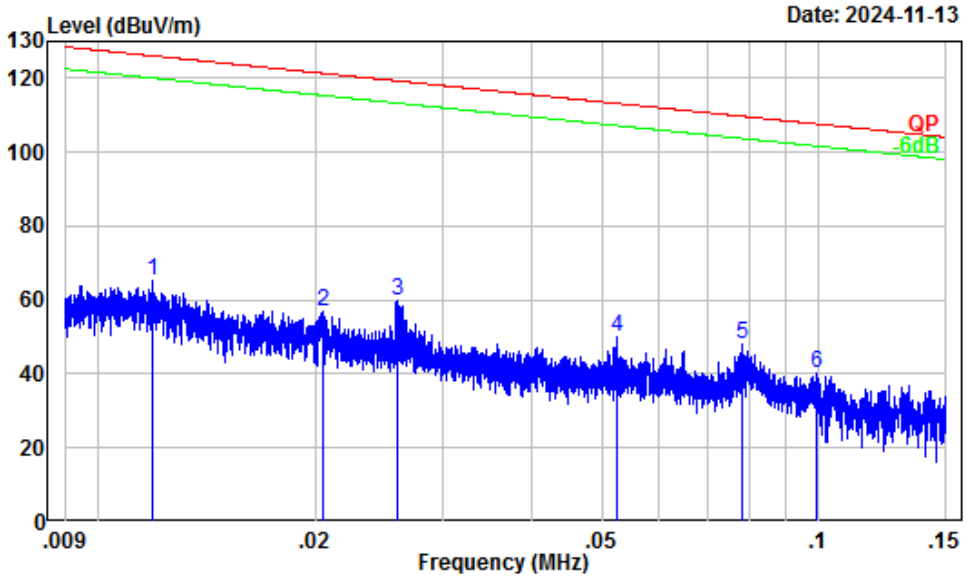
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	32.29	26.97	59.26	127.56	-68.30	Peak
2	0.02	30.56	23.80	54.36	121.95	-67.59	Peak
3	0.03	28.10	20.35	48.45	117.01	-68.56	Peak
4	0.06	25.68	24.58	50.26	112.45	-62.19	Peak
5	0.09	22.88	20.02	42.90	108.77	-65.87	Peak
6	0.13	20.12	21.14	41.26	105.20	-63.94	Peak



Site : Chamber A
Condition : 3m
Project Number : 2401Y98612E-RF
Test Mode : Transmitting
Detector QP RBW: 10KHz VBW:30KHz
Tester : Carl Zhu

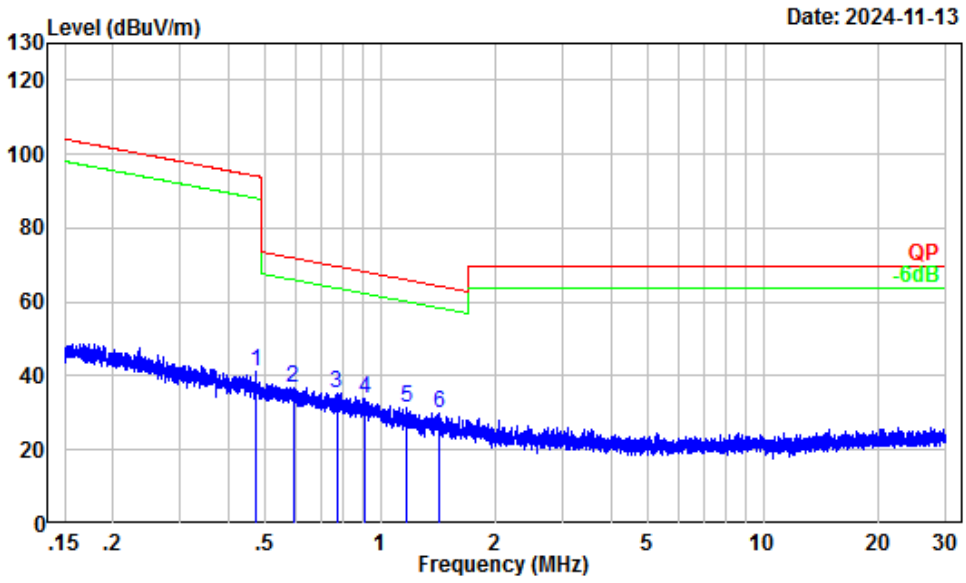
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.52	6.16	33.33	39.49	73.29	-33.80	Peak
2	0.60	5.18	34.43	39.61	72.02	-32.41	Peak
3	0.73	3.61	35.39	39.00	70.31	-31.31	Peak
4	0.93	1.75	34.74	36.49	68.15	-31.66	Peak
5	1.09	0.94	31.57	32.51	66.68	-34.17	Peak
6	1.25	0.51	31.92	32.43	65.52	-33.09	Peak

For Adapter2



Site : Chamber A
Condition : 3m
Project Number: 2401Y98612E-RF
Test Mode : 5G WIFI Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	36.72	28.63	65.35	126.09	-60.74	Peak
2	0.02	32.34	24.36	56.70	121.38	-64.68	Peak
3	0.03	29.48	30.26	59.74	119.28	-59.54	Peak
4	0.05	22.73	27.48	50.21	113.20	-62.99	Peak
5	0.08	19.25	28.69	47.94	109.72	-61.78	Peak
6	0.10	17.12	22.90	40.02	107.67	-67.65	Peak



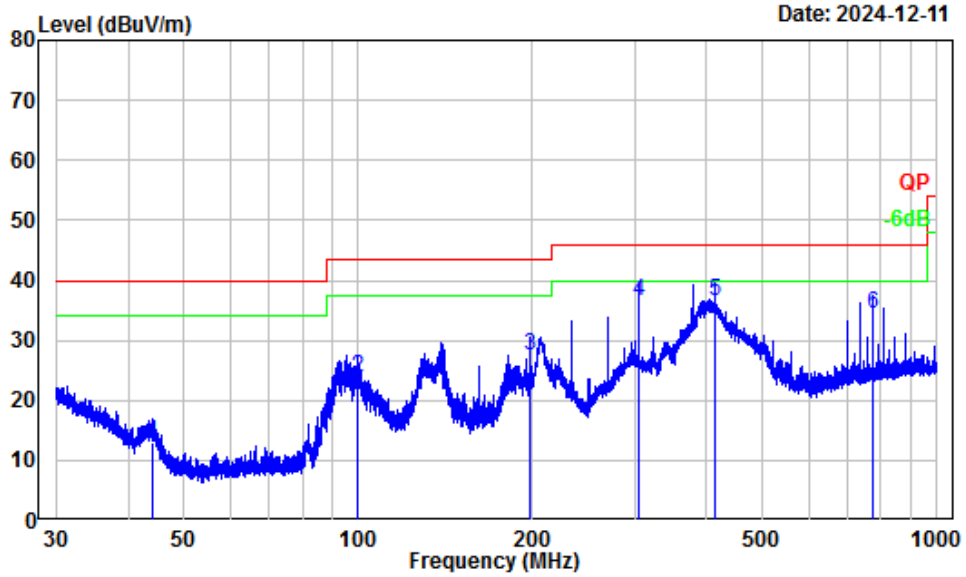
Site : Chamber A
Condition : 3m
Project Number: 2401Y98612E-RF
Test Mode : 5G WIFI Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.47	4.08	37.01	41.09	94.13	-53.04	Peak
2	0.59	2.38	34.26	36.64	72.12	-35.48	Peak
3	0.77	0.26	35.01	35.27	69.80	-34.53	Peak
4	0.91	-0.90	34.92	34.02	68.34	-34.32	Peak
5	1.17	-2.18	33.62	31.44	66.08	-34.64	Peak
6	1.43	-3.07	32.89	29.82	64.32	-34.50	Peak

30MHz-1GHz:

For PoE

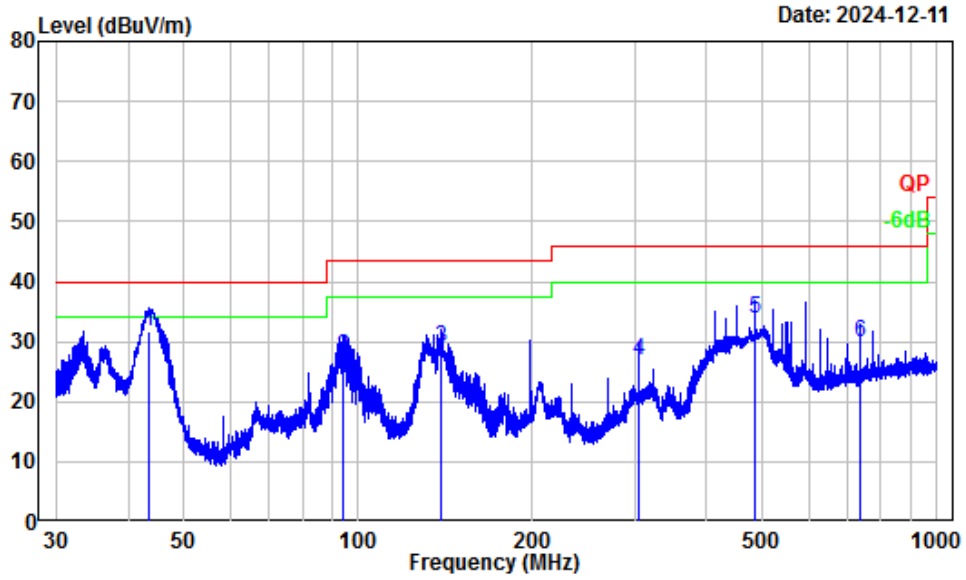
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2401Y98612E-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	43.95	-15.14	28.09	12.95	40.00	-27.05	QP
2	99.97	-15.90	39.89	23.99	43.50	-19.51	QP
3	197.98	-13.28	40.74	27.46	43.50	-16.04	QP
4	306.08	-11.07	47.46	36.39	46.00	-9.61	QP
5	414.00	-8.04	44.58	36.54	46.00	-9.46	QP
6	774.16	-2.48	36.91	34.43	46.00	-11.57	QP

Vertical

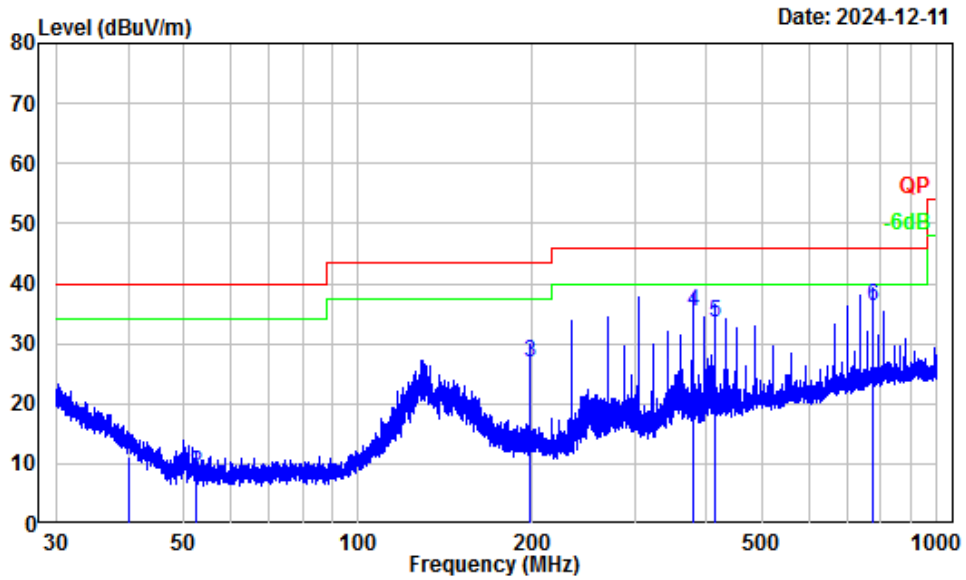


Site : Chamber A
Condition : 3m Vertical
Project Number : 2401Y98612E-RF
Test Mode : Transmitting
Detector QP RBW: 120KHz
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	43.49	-14.86	46.42	31.56	40.00	-8.44	QP
2	94.14	-17.50	45.00	27.50	43.50	-16.00	QP
3	139.12	-11.80	40.71	28.91	43.50	-14.59	QP
4	306.08	-11.07	37.80	26.73	46.00	-19.27	QP
5	486.04	-6.14	40.05	33.91	46.00	-12.09	QP
6	738.04	-3.03	32.84	29.81	46.00	-16.19	QP

For Adapter1

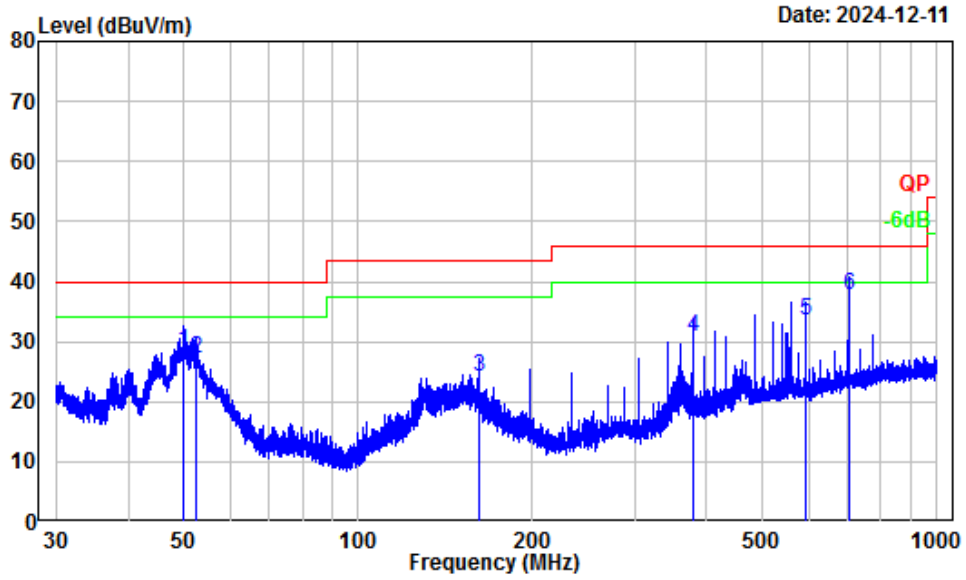
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2401Y98612E-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	40.10	-12.44	23.61	11.17	40.00	-28.83	QP
2	52.44	-18.25	26.77	8.52	40.00	-31.48	QP
3	197.98	-13.28	40.07	26.79	43.50	-16.71	QP
4	378.09	-9.20	44.55	35.35	46.00	-10.65	QP
5	414.00	-8.04	41.70	33.66	46.00	-12.34	QP
6	774.16	-2.48	38.79	36.31	46.00	-9.69	QP

Vertical

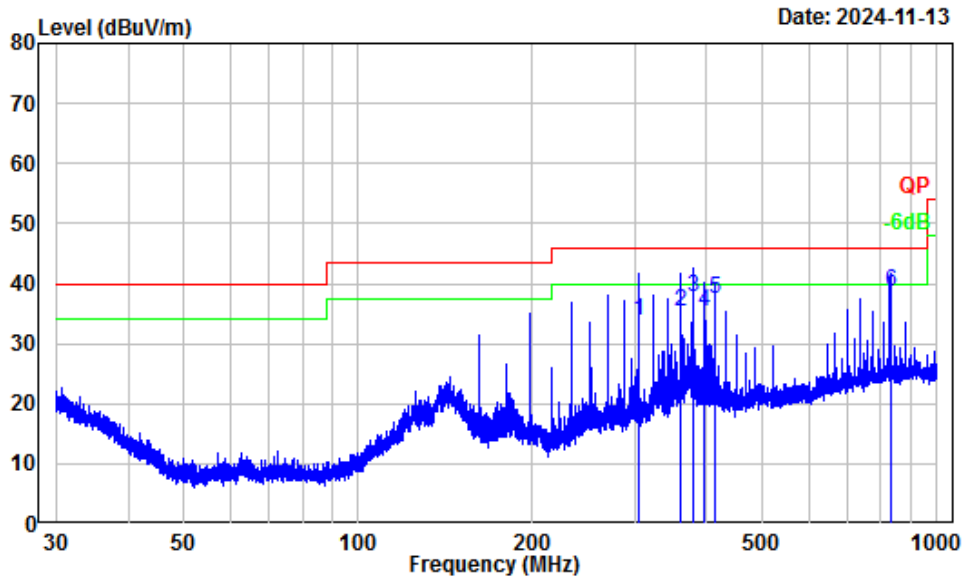


Site : Chamber A
Condition : 3m Vertical
Project Number : 2401Y98612E-RF
Test Mode : Transmitting
Detector QP RBW: 120KHz
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	49.99	-17.92	46.34	28.42	40.00	-11.58	QP
2	52.55	-18.27	45.47	27.20	40.00	-12.80	QP
3	162.04	-12.72	36.76	24.04	43.50	-19.46	QP
4	378.09	-9.20	39.97	30.77	46.00	-15.23	QP
5	594.09	-5.27	38.85	33.58	46.00	-12.42	QP
6	704.23	-3.44	41.03	37.59	46.00	-8.41	QP

For Adapter2

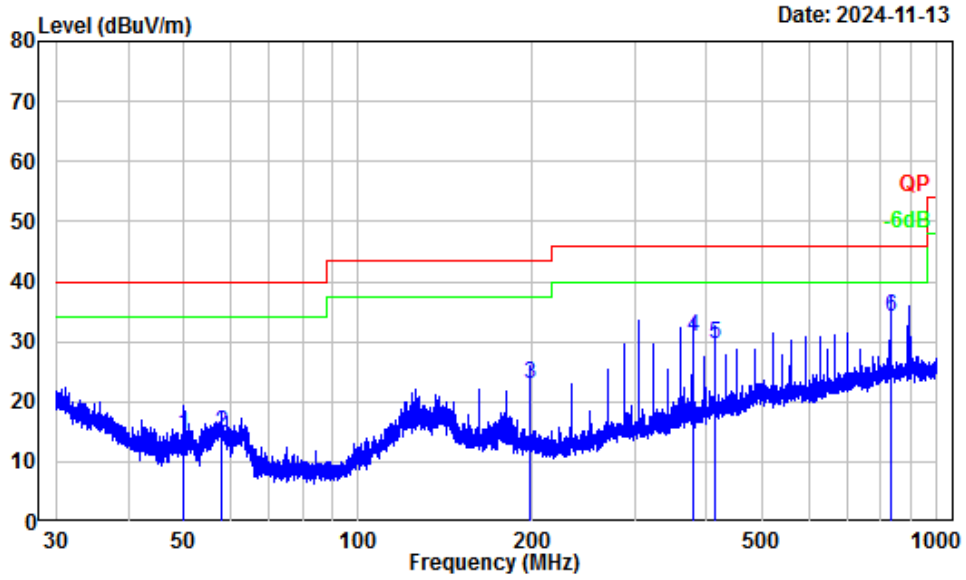
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number: 2401Y98612E-RF
Test Mode : 5G WIFI Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	306.08	-11.07	44.98	33.91	46.00	-12.09	QP
2	359.97	-9.89	45.14	35.25	46.00	-10.75	QP
3	378.09	-9.20	46.85	37.65	46.00	-8.35	QP
4	396.07	-8.60	43.99	35.39	46.00	-10.61	QP
5	414.00	-8.04	45.44	37.40	46.00	-8.60	QP
6	830.40	-1.92	40.55	38.63	46.00	-7.37	QP

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401Y98612E-RF
Test Mode : 5G WIFI Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	49.99	-17.92	32.38	14.46	40.00	-25.54	QP
2	58.10	-18.22	32.97	14.75	40.00	-25.25	QP
3	197.98	-13.28	36.13	22.85	43.50	-20.65	QP
4	378.09	-9.20	39.88	30.68	46.00	-15.32	QP
5	414.00	-8.04	37.72	29.68	46.00	-16.32	QP
6	833.68	-1.86	36.12	34.26	46.00	-11.74	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	45.68	PK	H	13.07	58.75	68.2	-9.45
10360	45.81	PK	V	13.07	58.88	68.2	-9.32
Middle Channel							
10400	45.71	PK	H	13.12	58.83	68.2	-9.37
10400	45.82	PK	V	13.12	58.94	68.2	-9.26
High Channel							
10480	46.12	PK	H	13.07	59.19	68.2	-9.01
10480	45.78	PK	V	13.07	58.85	68.2	-9.35
802.11ac20							
Low Channel							
10360	46.12	PK	H	13.07	59.19	68.2	-9.01
10360	45.78	PK	V	13.07	58.85	68.2	-9.35
Middle Channel							
10400	47.85	PK	H	13.12	60.97	68.2	-7.23
10400	48.63	PK	V	13.12	61.75	68.2	-6.45
High Channel							
10480	50.13	PK	H	13.07	63.2	68.2	-5.00
10480	50.31	PK	V	13.07	63.38	68.2	-4.82
802.11ac40							
Low Channel							
10380	46.19	PK	H	13.09	59.28	68.2	-8.92
10380	45.55	PK	V	13.09	58.64	68.2	-9.56
High Channel							
10460	45.62	PK	H	13.09	58.71	68.2	-9.49
10460	45.21	PK	V	13.09	58.3	68.2	-9.9
802.11ac80							
Middle Channel							
10420	44.82	PK	H	13.12	57.94	68.2	-10.26
10420	45.06	PK	V	13.12	58.18	68.2	-10.02

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11ax20							
Low Channel							
10360	45.72	PK	H	13.07	58.79	68.2	-9.41
10360	45.77	PK	V	13.07	58.84	68.2	-9.36
Middle Channel							
10400	45.68	PK	H	13.12	58.8	68.2	-9.4
10400	45.48	PK	V	13.12	58.6	68.2	-9.6
High Channel							
10480	45.72	PK	H	13.07	58.79	68.2	-9.41
10480	45.79	PK	V	13.07	58.86	68.2	-9.34
802.11ax40							
Low Channel							
10380	45.09	PK	H	13.09	58.18	68.2	-10.02
10380	44.74	PK	V	13.09	57.83	68.2	-10.37
High Channel							
10460	45.55	PK	H	13.09	58.64	68.2	-9.56
10460	45.36	PK	V	13.09	58.45	68.2	-9.75
802.11ax80							
Middle Channel							
10420	44.58	PK	H	13.12	57.7	68.2	-10.5
10420	44.96	PK	V	13.12	58.08	68.2	-10.12

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	47.06	PK	H	14.31	61.37	74	-12.63
11490	34.75	AV	H	14.31	49.06	54	-4.94
11490	46.33	PK	V	14.31	60.64	74	-13.36
11490	32.96	AV	V	14.31	47.27	54	-6.73
Middle Channel							
11570	46.54	PK	H	14.05	60.59	74	-13.41
11570	32.78	AV	H	14.05	46.83	54	-7.17
11570	46.27	PK	V	14.05	60.32	74	-13.68
11570	32.24	AV	V	14.05	46.29	54	-7.71
High Channel							
11650	45.98	PK	H	13.83	59.81	74	-14.19
11650	32.39	AV	H	13.83	46.22	54	-7.78
11650	45.39	PK	V	13.83	59.22	74	-14.78
11650	32.18	AV	V	13.83	46.01	54	-7.99
802.11ac20							
Low Channel							
11490	49.14	PK	H	14.31	63.45	74	-10.55
11490	36.19	AV	H	14.31	50.5	54	-3.5
11490	48.55	PK	V	14.31	62.86	74	-11.14
11490	35.85	AV	V	14.31	50.16	54	-3.84
Middle Channel							
11570	49.35	PK	H	14.05	63.4	74	-10.6
11570	36.05	AV	H	14.05	50.1	54	-3.9
11570	48.75	PK	V	14.05	62.8	74	-11.2
11570	35.79	AV	V	14.05	49.84	54	-4.16
High Channel							
11650	49.47	PK	H	13.83	63.3	74	-10.7
11650	36.05	AV	H	13.83	49.88	54	-4.12
11650	48.88	PK	V	13.83	62.71	74	-11.29
11650	35.74	AV	V	13.83	49.57	54	-4.43

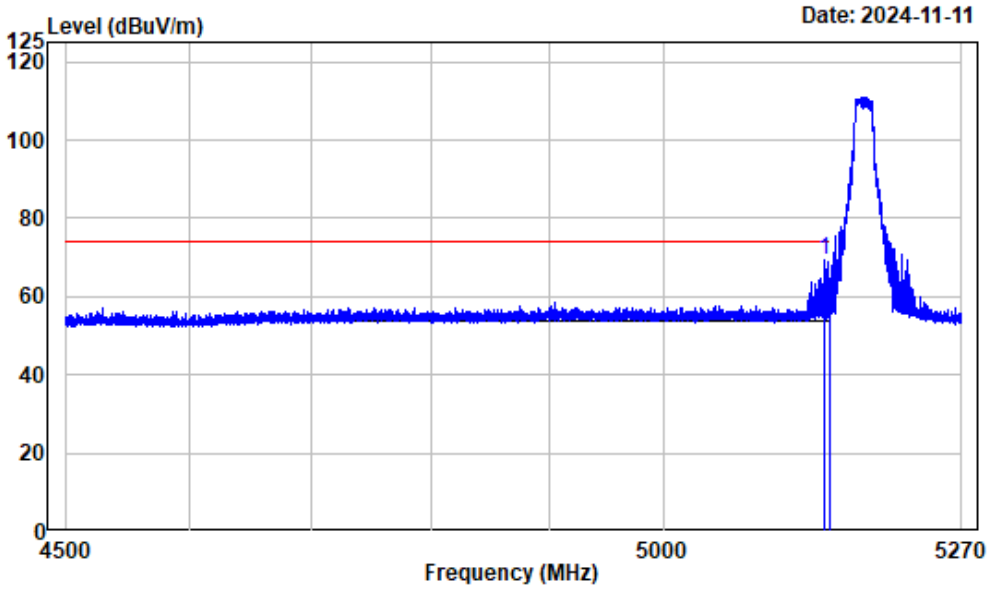
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11ac40							
Low Channel							
11510	44.99	PK	H	14.29	59.28	74	-14.72
11510	31.75	AV	H	14.29	46.04	54	-7.96
11510	44.67	PK	V	14.29	58.96	74	-15.04
11510	31.42	AV	V	14.29	45.71	54	-8.29
High Channel							
11590	48.68	PK	H	13.97	62.65	74	-11.35
11590	35.48	AV	H	13.97	49.45	54	-4.55
11590	49.03	PK	V	13.97	63.00	74	-11.00
11590	36.21	AV	V	13.97	50.18	54	-3.82
802.11ac80							
Middle Channel							
11550	45.29	PK	H	14.13	59.42	74	-14.58
11550	31.42	AV	H	14.13	45.55	54	-8.45
11550	45.54	PK	V	14.13	59.67	74	-14.33
11550	31.99	AV	V	14.13	46.12	54	-7.88
802.11ax20							
Low Channel							
11490	49.03	PK	H	14.31	63.34	74	-10.66
11490	36.03	AV	H	14.31	50.34	54	-3.66
11490	48.65	PK	V	14.31	62.96	74	-11.04
11490	35.44	AV	V	14.31	49.75	54	-4.25
Middle Channel							
11570	48.65	PK	H	14.05	62.7	74	-11.3
11570	35.86	AV	H	14.05	49.91	54	-4.09
11570	48.66	PK	V	14.05	62.71	74	-11.29
11570	35.72	AV	V	14.05	49.77	54	-4.23
High Channel							
11650	48.46	PK	H	13.83	62.29	74	-11.71
11650	35.76	AV	H	13.83	49.59	54	-4.41
11650	48.64	PK	V	13.83	62.47	74	-11.53
11650	36.03	AV	V	13.83	49.86	54	-4.14

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11ax40							
Low Channel							
11510	49.53	PK	H	14.29	63.82	74	-10.18
11510	36.18	AV	H	14.29	50.47	54	-3.53
11510	48.26	PK	V	14.29	62.55	74	-11.45
11510	35.52	AV	V	14.29	49.81	54	-4.19
High Channel							
11590	48.82	PK	H	13.97	62.79	74	-11.21
11590	35.62	AV	H	13.97	49.59	54	-4.41
11590	48.97	PK	V	13.97	62.94	74	-11.06
11590	35.84	AV	V	13.97	49.81	54	-4.19
802.11ax80							
Middle Channel							
11550	45.83	PK	H	14.13	59.96	74	-14.04
11550	32.68	AV	H	14.13	46.81	54	-7.19
11550	45.87	PK	V	14.13	60.00	74	-14.00
11550	33.15	AV	V	14.13	47.28	54	-6.72

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:
Band1

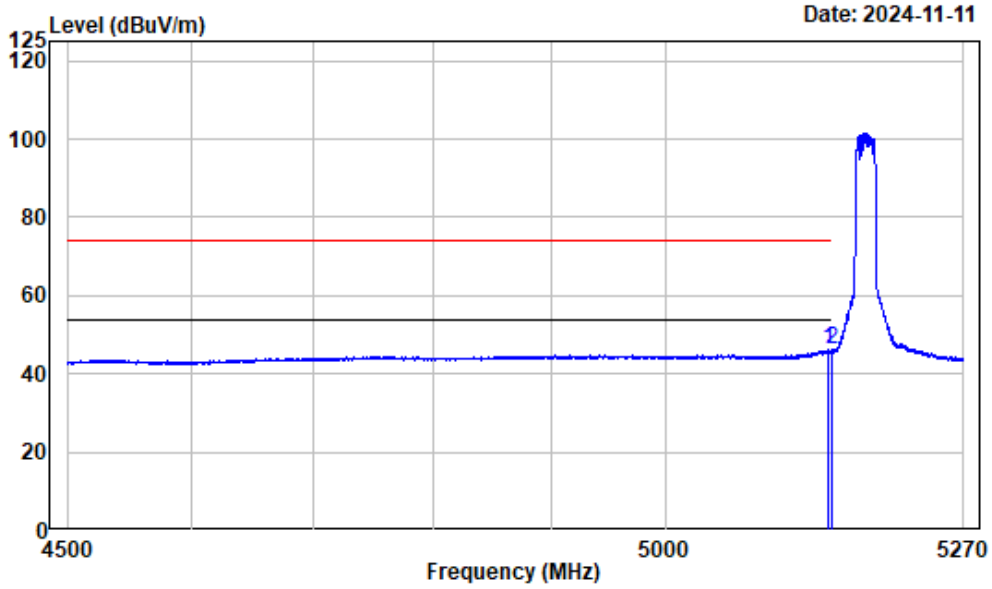
Left Band edge_Horizontal _Peak-5180



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5143.993	2.70	66.49	69.19	74.00	-4.81	Peak
2	5150.000	2.71	55.63	58.34	74.00	-15.66	Peak

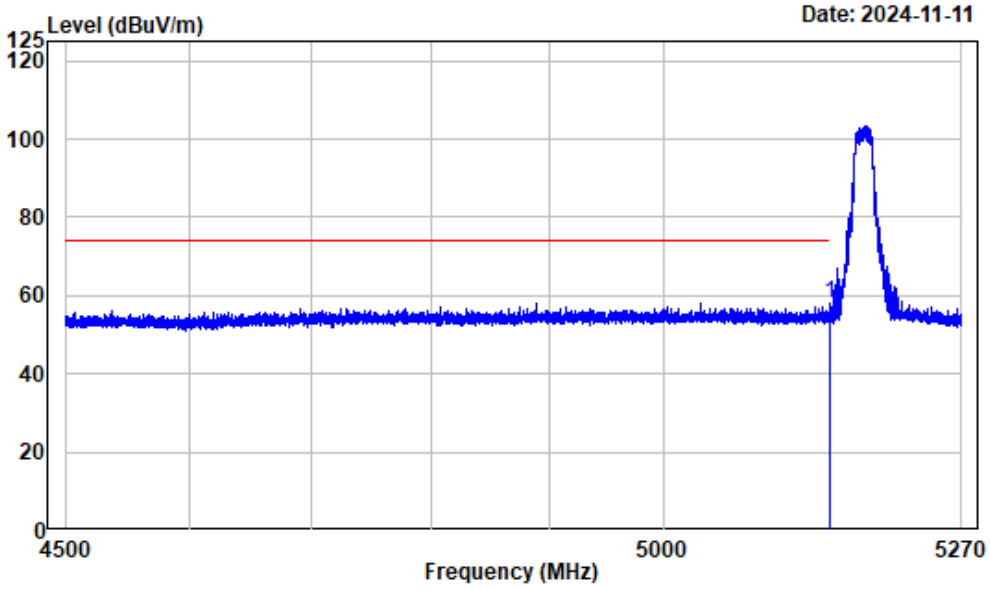
Left Band edge_Horizontal _Average-5180



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5145.918	2.70	43.67	46.37	54.00	-7.63	Average
2	5150.000	2.71	43.31	46.02	54.00	-7.98	Average

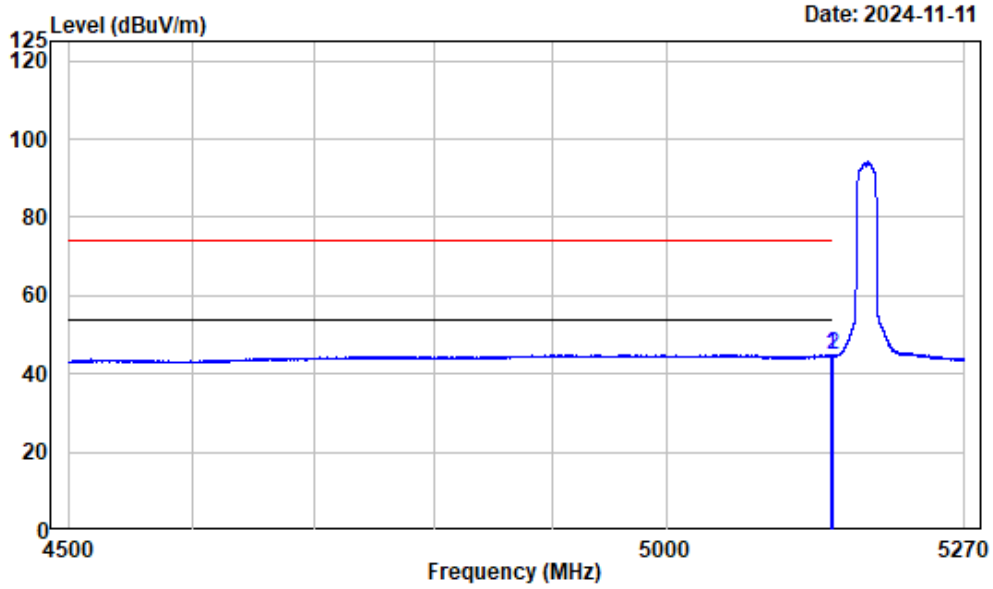
Left Band edge_Vertical_Peak-5180



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.999	2.71	55.33	58.04	74.00	-15.96	peak

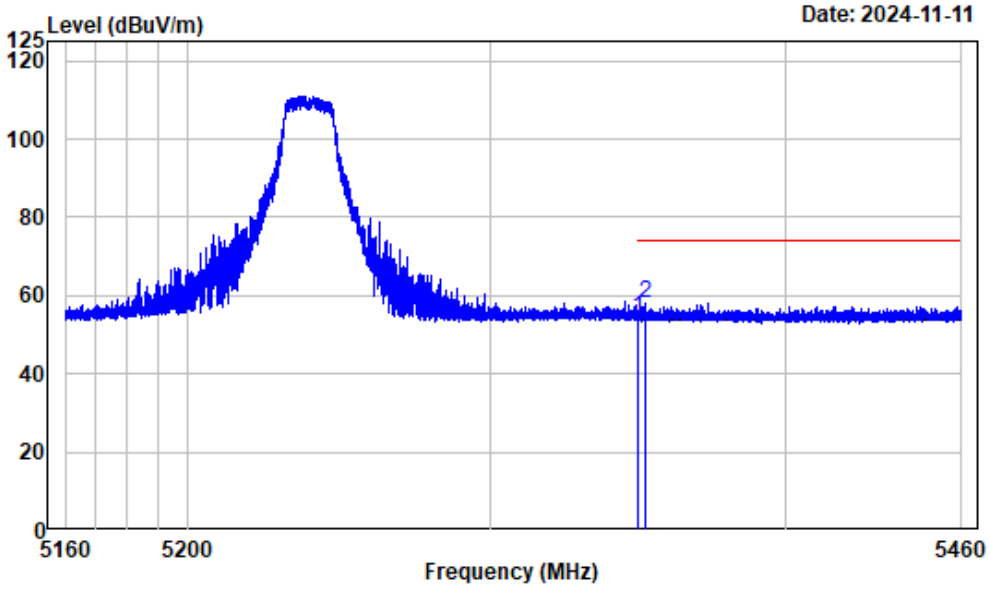
Left Band edge_Vertical_Average-5180



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.036	2.70	42.09	44.79	54.00	-9.21	Average
2	5150.000	2.71	41.91	44.62	54.00	-9.38	Average

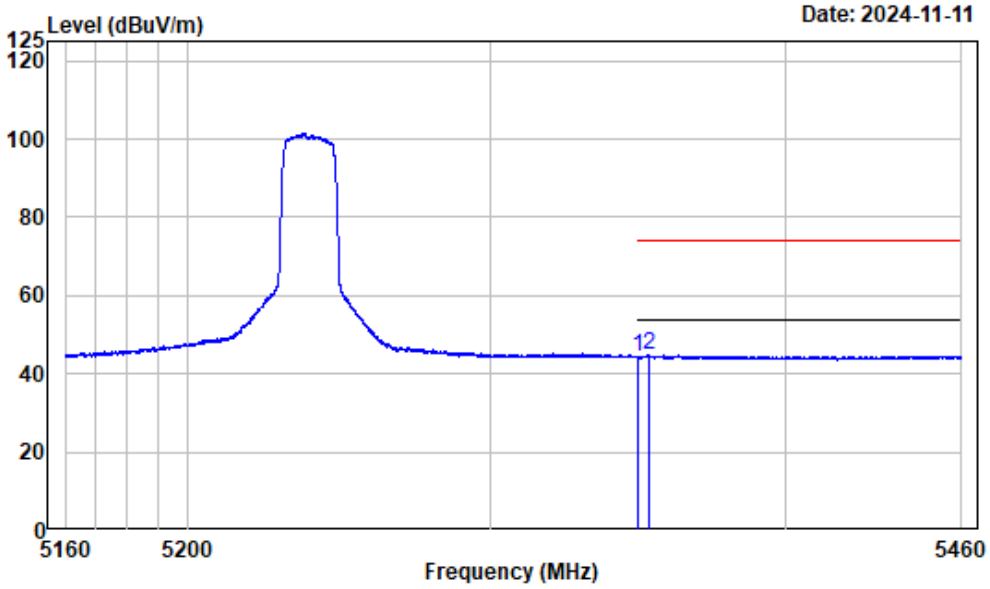
Right Band edge_Horizontal _Peak-5240



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	51.28	54.19	74.00	-19.81	Peak
2	5351.986	2.91	55.18	58.09	74.00	-15.91	peak

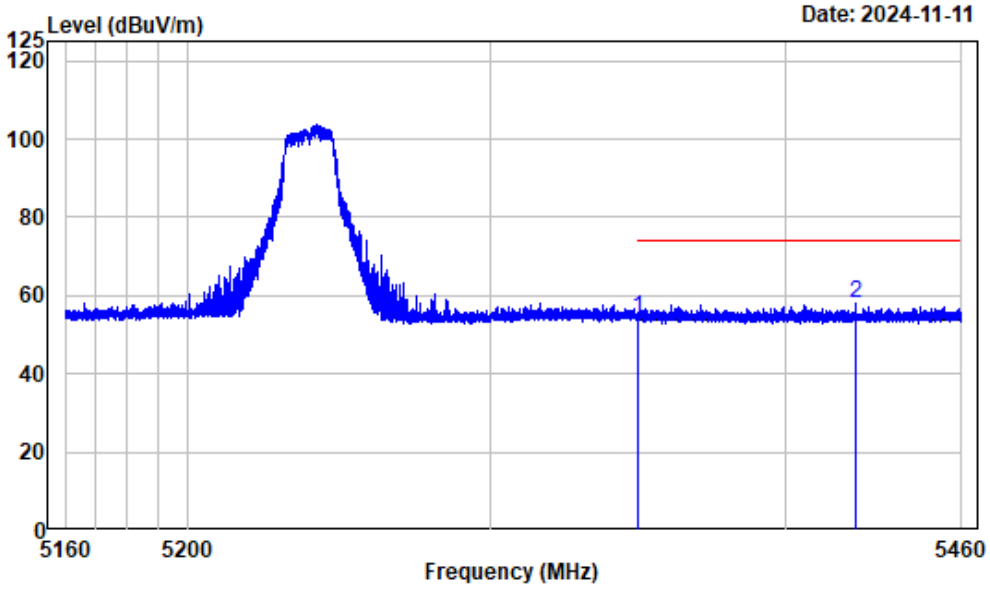
Right Band edge_Horizontal_Average-5240



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_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	41.36	44.26	54.00	-9.74	Average
2	5353.637	2.92	41.69	44.61	54.00	-9.39	Average

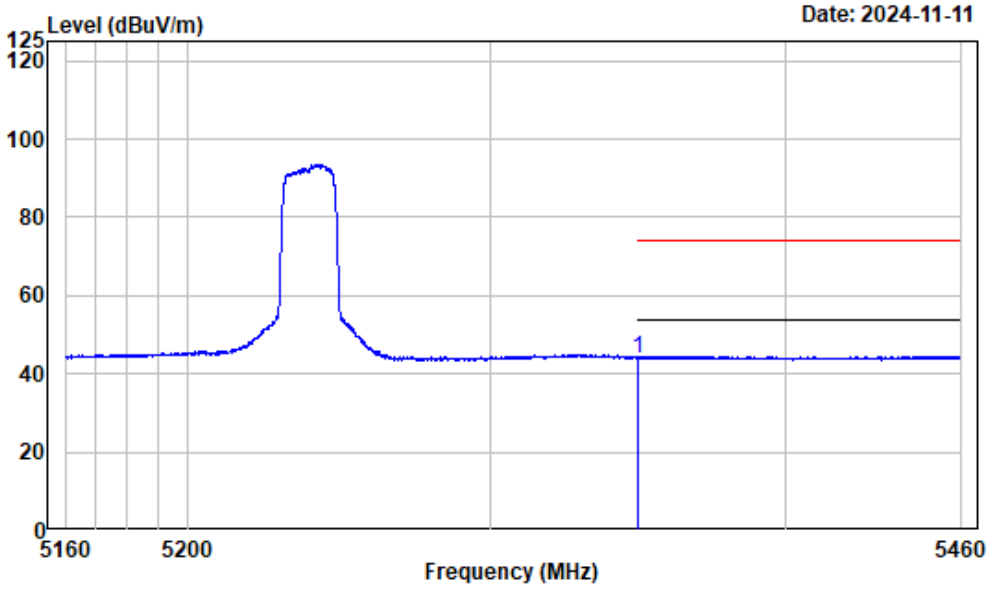
Right Band edge_Vertical _Peak-5240



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_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	51.39	54.29	74.00	-19.71	Peak
2	5423.958	3.02	54.78	57.80	74.00	-16.20	peak

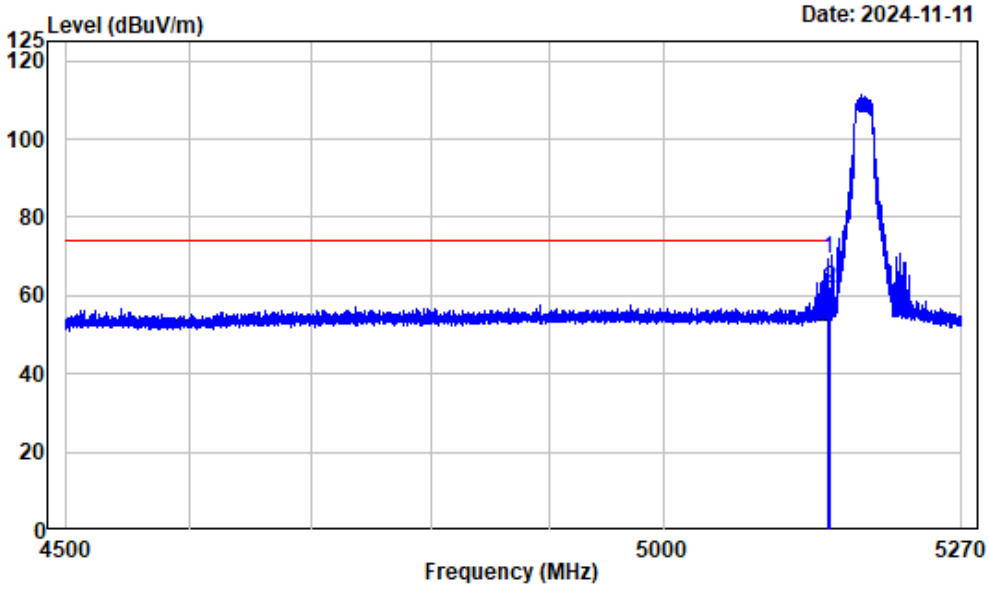
Right Band edge_Vertical _Average-5240



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	41.17	44.08	54.00	-9.92	Average

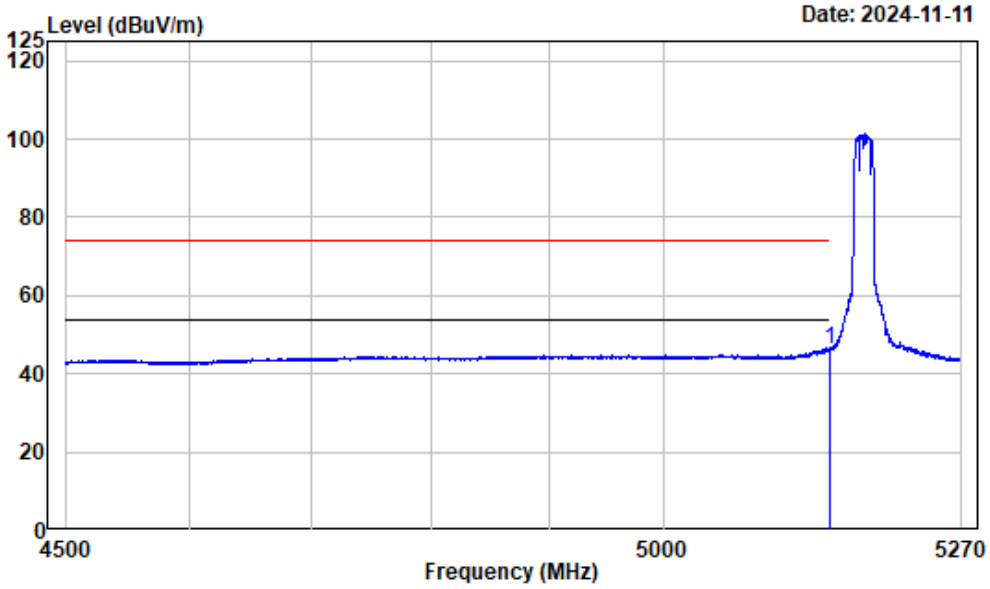
Left Band edge_Horizontal _Peak-5180



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.132	2.70	66.52	69.22	74.00	-4.78	peak
2	5150.000	2.71	58.92	61.63	74.00	-12.37	Peak

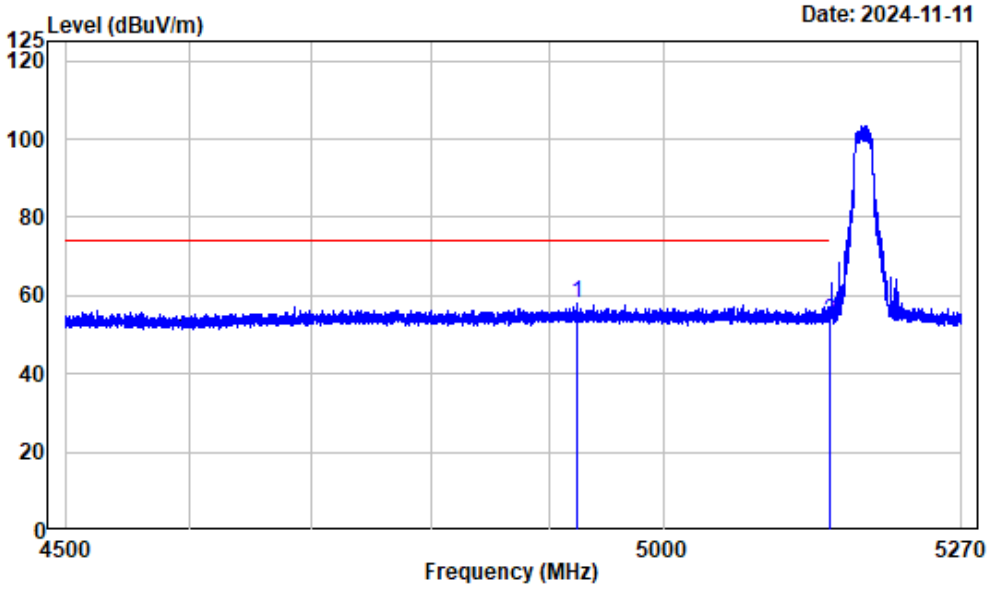
Left Band edge_Horizontal _Average -5180



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	2.71	43.60	46.31	54.00	-7.69	Average

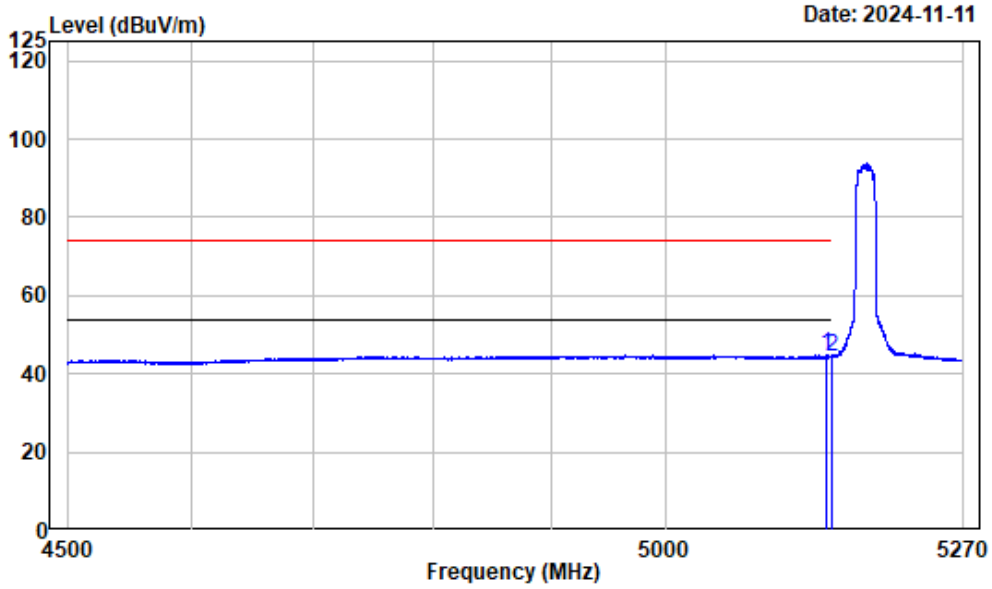
Left Band edge_Vertical_Peak -5180



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4924.804	2.63	55.61	58.24	74.00	-15.76	peak
2	5150.000	2.71	50.44	53.15	74.00	-20.85	Peak

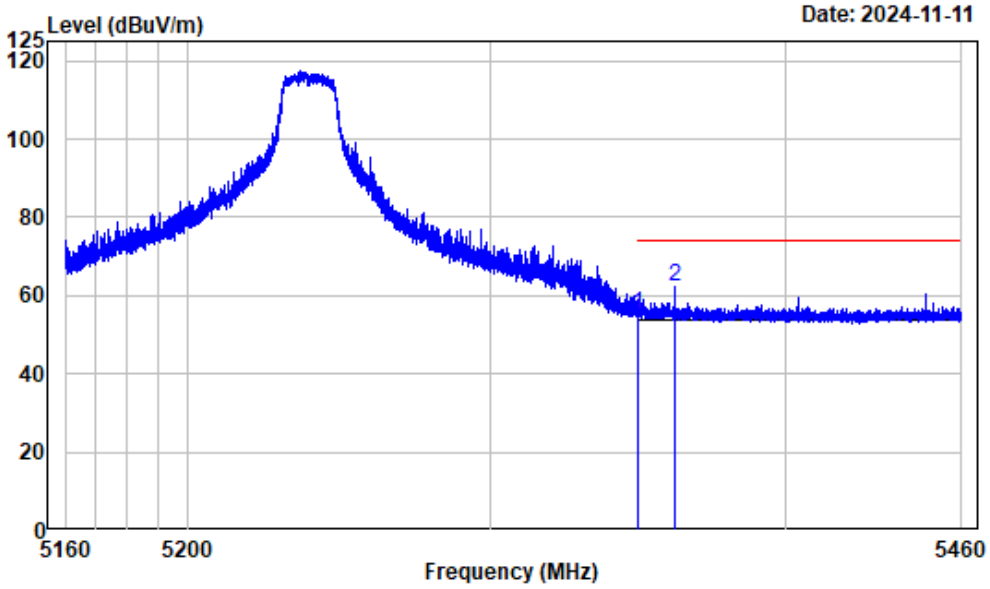
Left Band edge_Vertical_Average -5180



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5144.474	2.70	41.95	44.65	54.00	-9.35	Average
2	5150.000	2.71	41.69	44.40	54.00	-9.60	Average

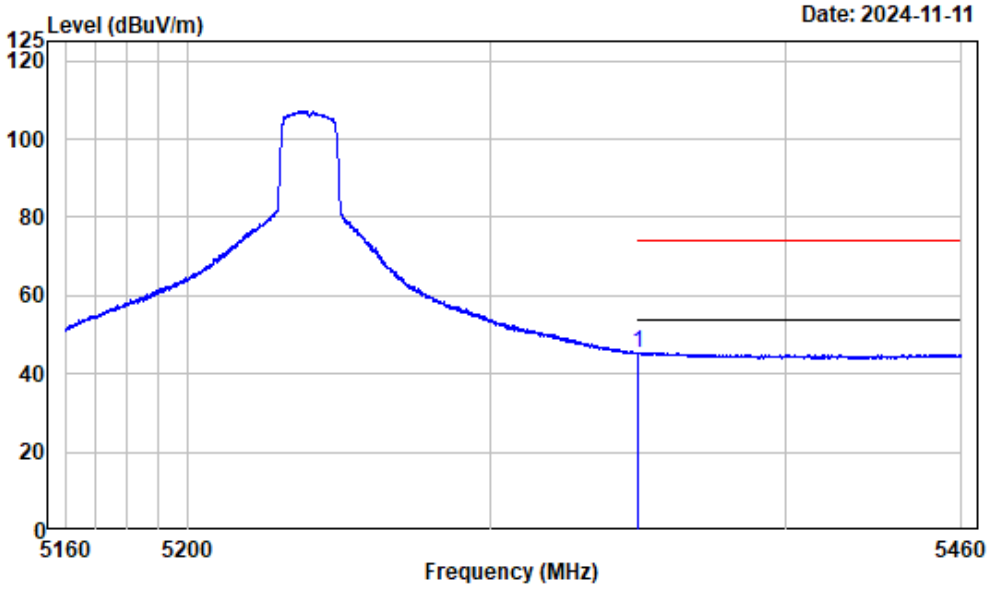
Right Band edge_Horizontal _Peak-5240



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	52.43	55.34	74.00	-18.66	Peak
2	5362.375	2.92	59.40	62.32	74.00	-11.68	peak

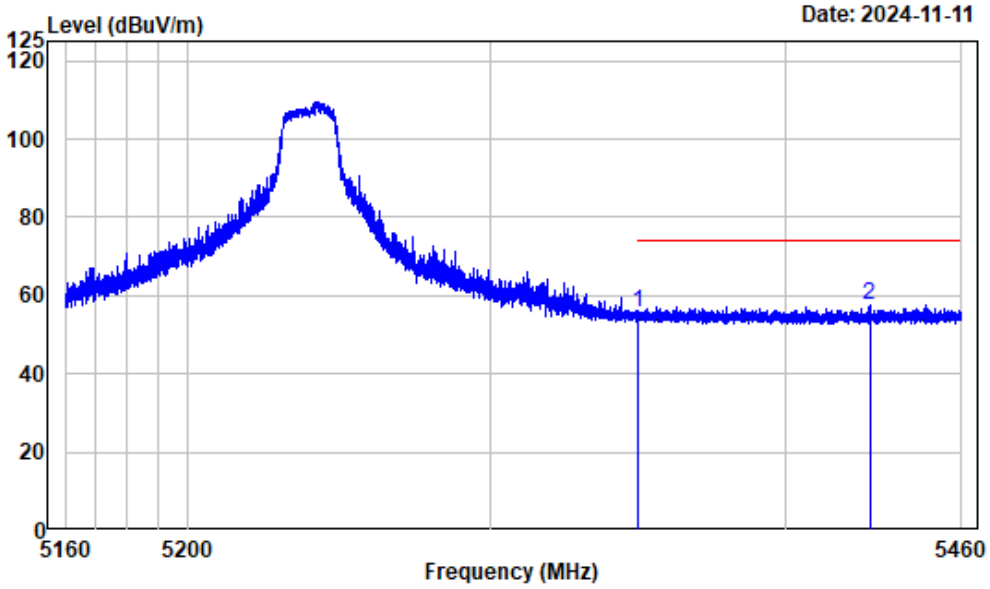
Right Band edge_Horizontal_Average -5240



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	42.31	45.22	54.00	-8.78	Average

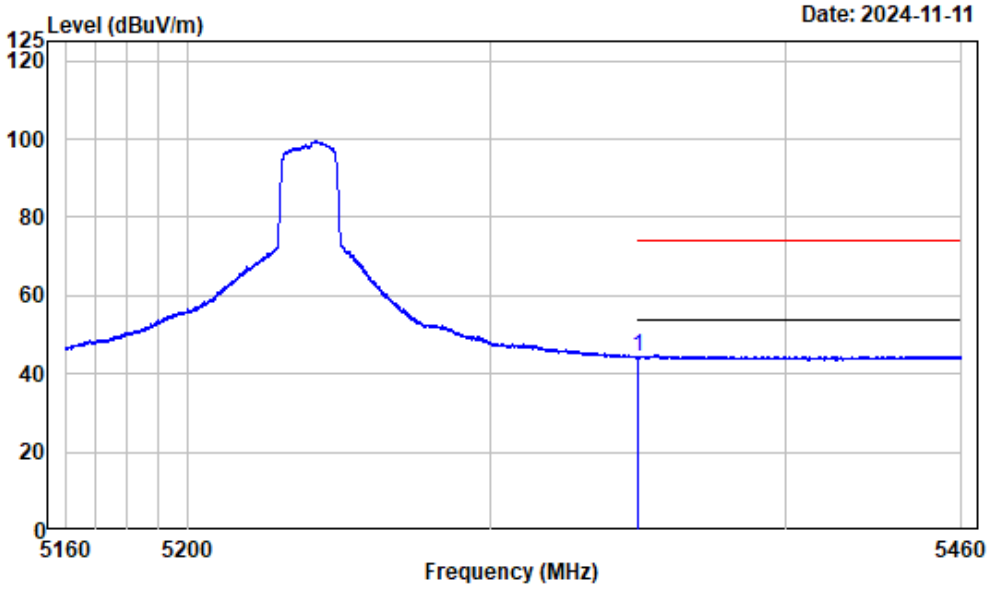
Right Band edge_Vertical _Peak -5240



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	52.52	55.43	74.00	-18.57	Peak
2	5428.458	3.03	54.43	57.46	74.00	-16.54	peak

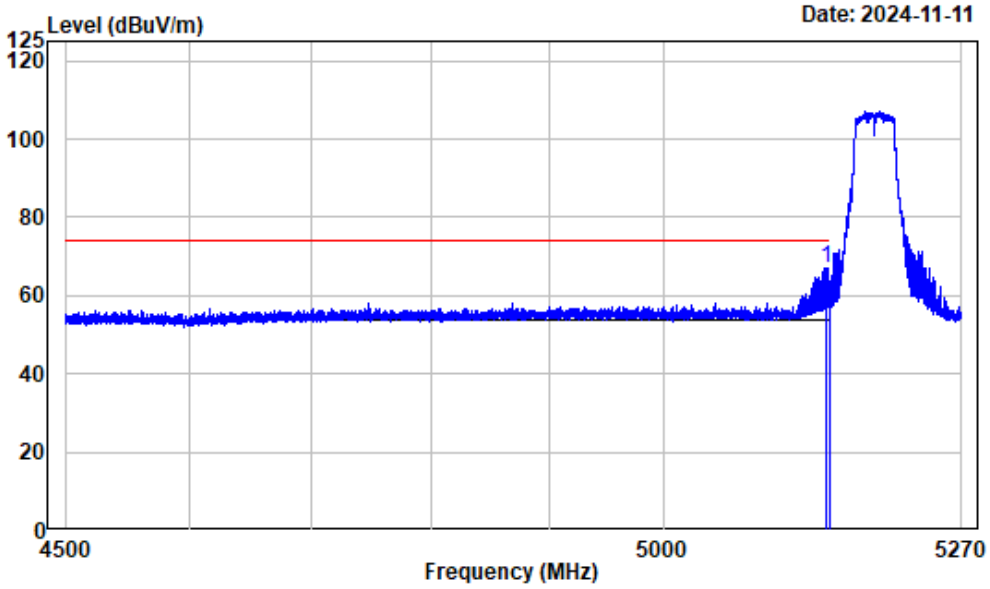
Right Band edge_Vertical _Average -5240



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	41.20	44.11	54.00	-9.89	Average

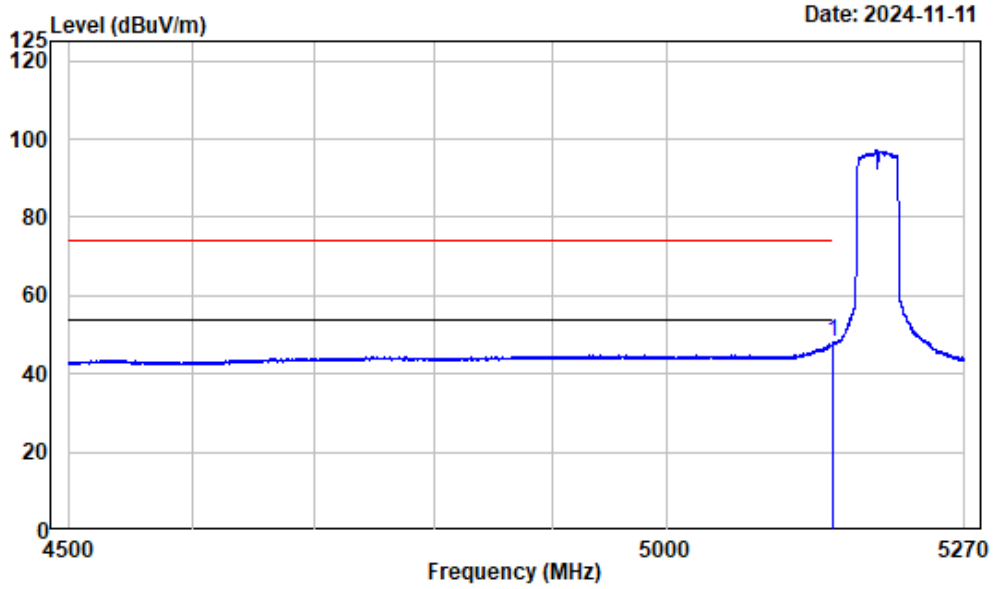
Left Band edge_Horizontal _Peak -5190



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5145.918	2.70	64.35	67.05	74.00	-6.95	Peak
2	5150.000	2.71	55.51	58.22	74.00	-15.78	Peak

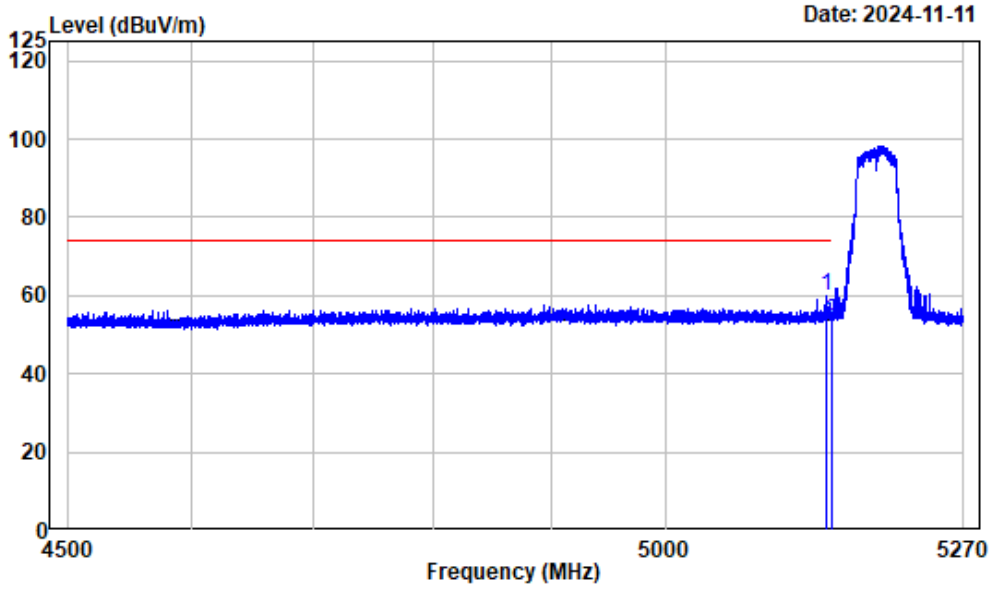
Left Band edge_Horizontal _Average-5190



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	2.71	45.20	47.91	54.00	-6.09	Average

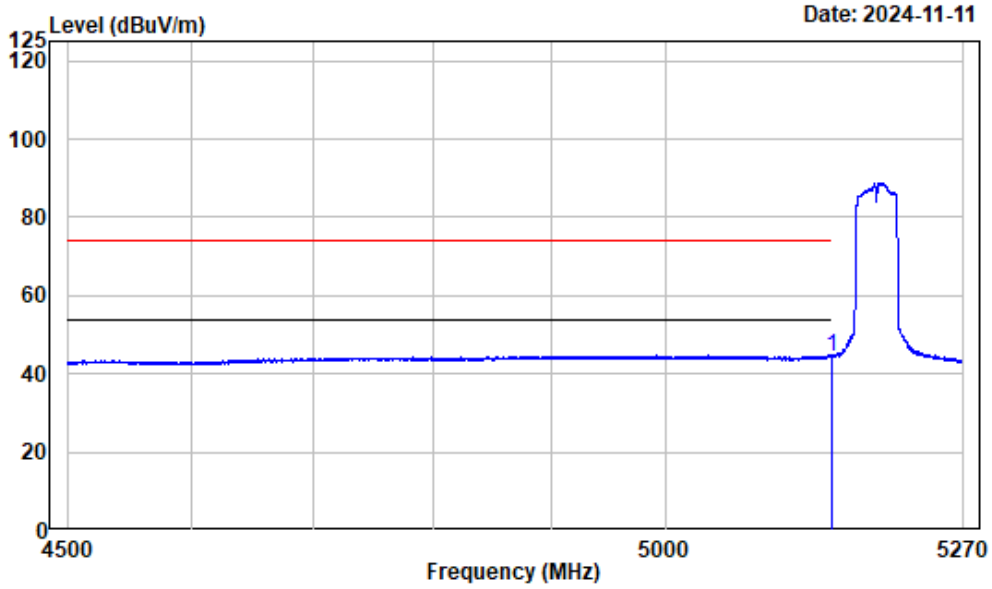
Left Band edge_Vertical_Peak -5190



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5143.704	2.70	57.10	59.80	74.00	-14.20	peak
2	5150.000	2.71	50.65	53.36	74.00	-20.64	Peak

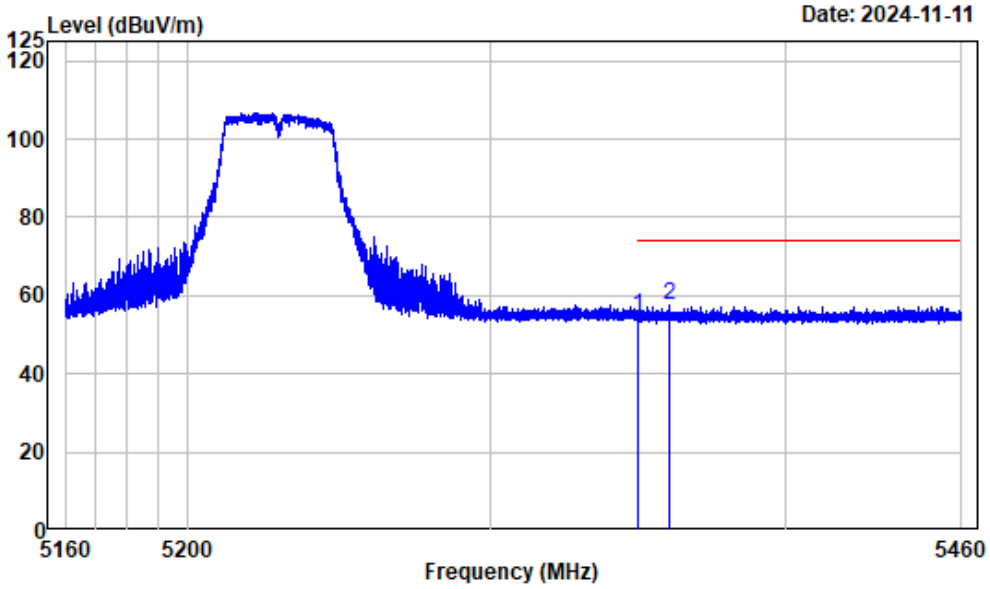
Left Band edge_Vertical_Average -5190



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	2.71	41.71	44.42	54.00	-9.58	Average

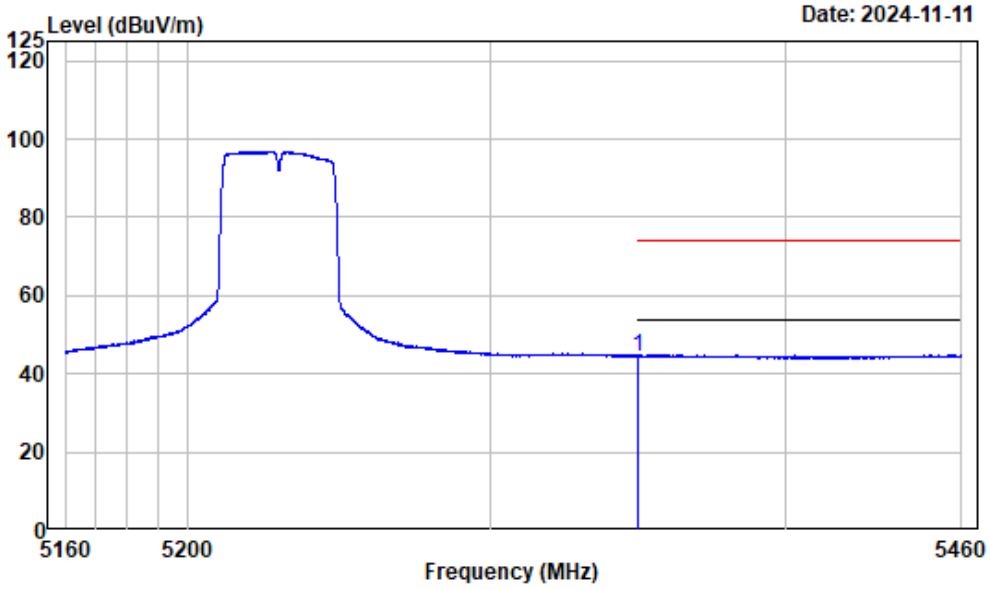
Right Band edge_Horizontal _Peak -5230



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	51.93	54.84	74.00	-19.16	Peak
2	5360.275	2.92	54.56	57.48	74.00	-16.52	peak

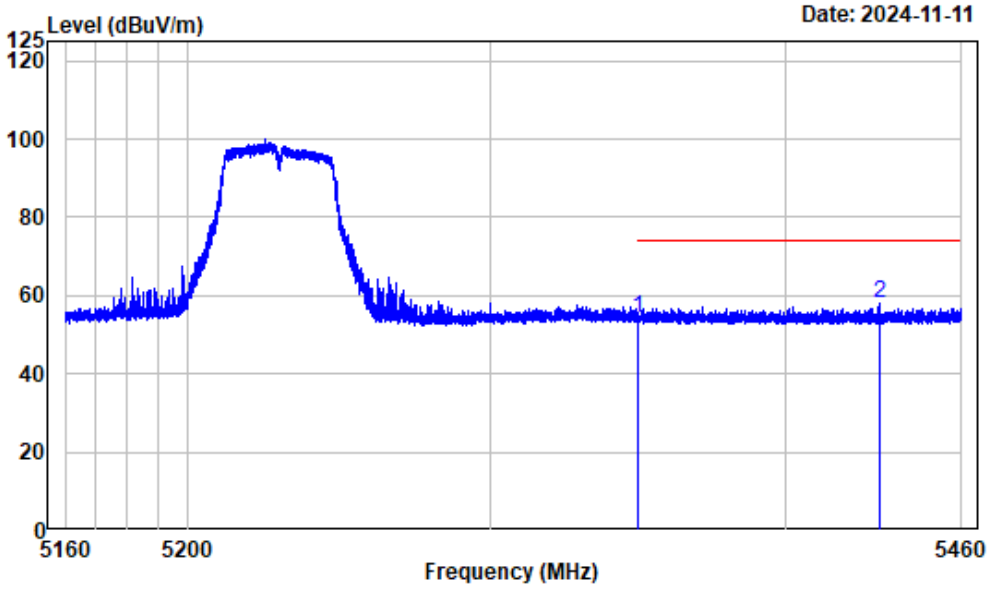
Right Band edge_Horizontal_Average -5230



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	41.59	44.50	54.00	-9.50	Average

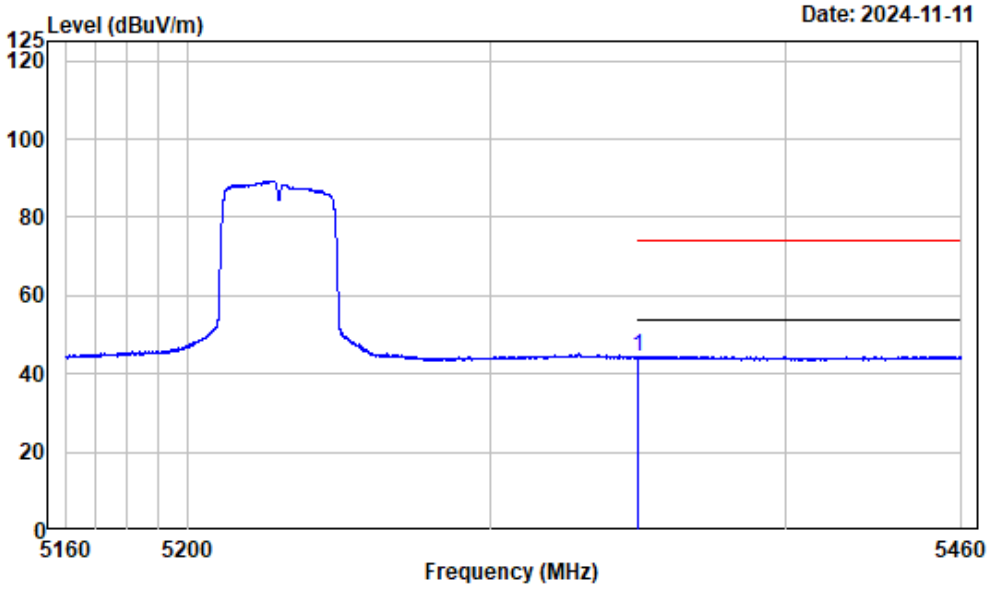
Right Band edge_Vertical _Peak -5230



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	51.45	54.36	74.00	-19.64	Peak
2	5431.759	3.04	55.08	58.12	74.00	-15.88	peak

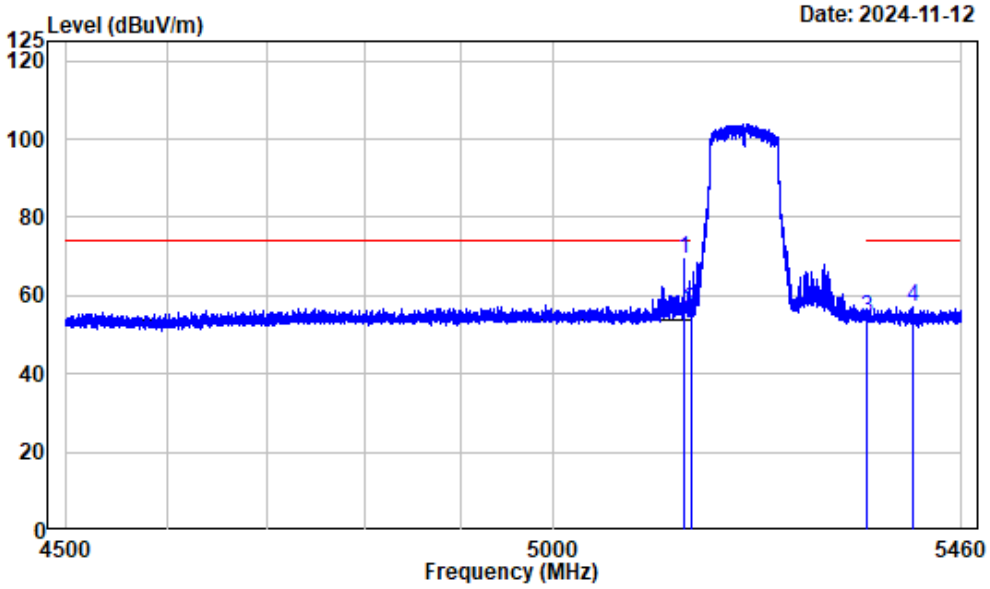
Right Band edge_Vertical _Peak -5230



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	41.22	44.13	54.00	-9.87	Average

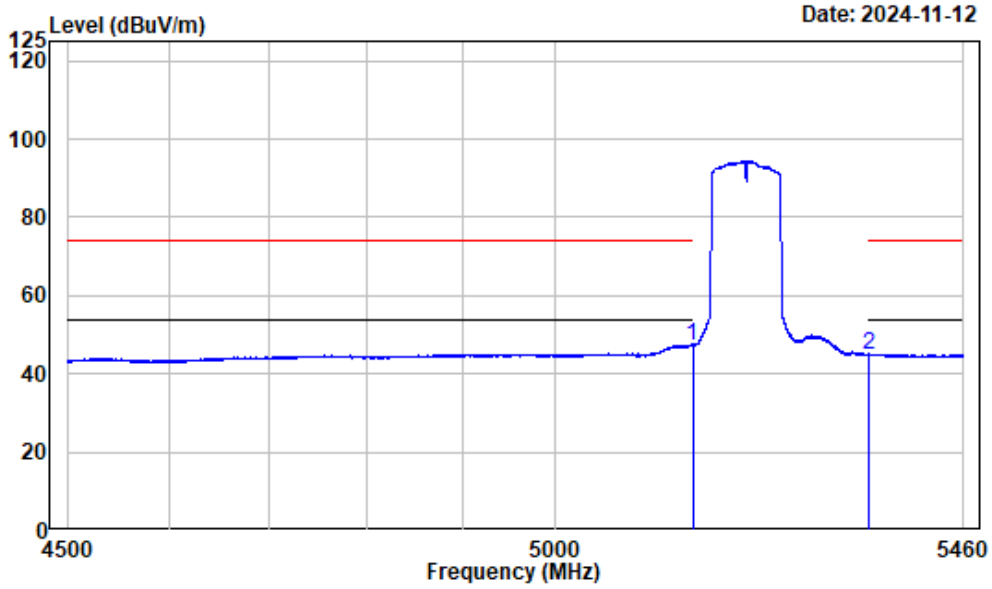
Band edge_Horizontal _Peak -5210



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5142.440	2.70	66.60	69.30	74.00	-4.70	peak
2	5150.000	2.71	53.56	56.27	74.00	-17.73	Peak
3	5350.000	2.91	51.52	54.43	74.00	-19.57	Peak
4	5402.993	3.00	54.22	57.22	74.00	-16.78	peak

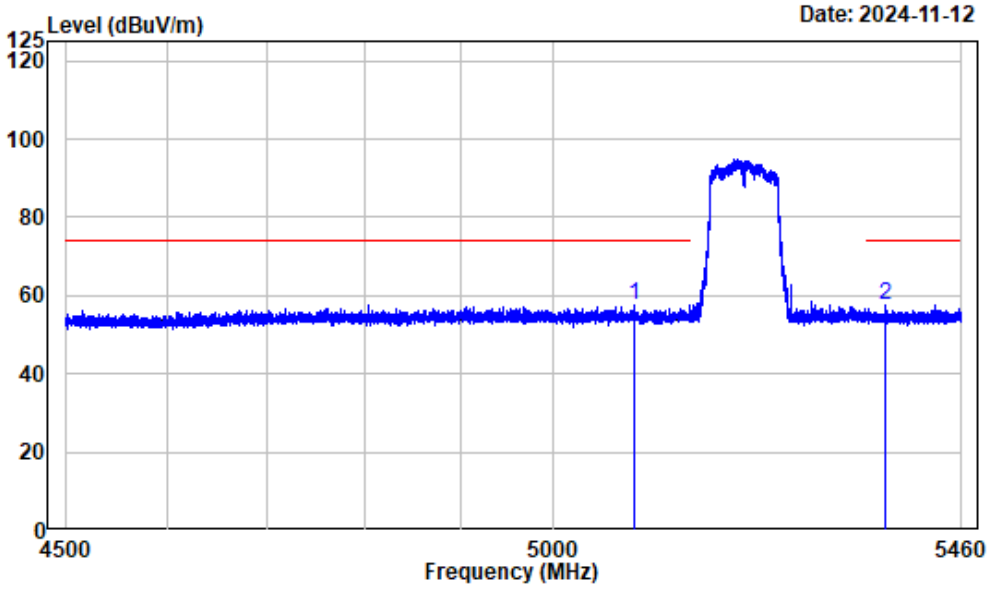
Band edge_Horizontal _Average -5210



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	2.71	44.62	47.33	54.00	-6.67	Average
2	5350.000	2.91	41.87	44.78	54.00	-9.22	Average

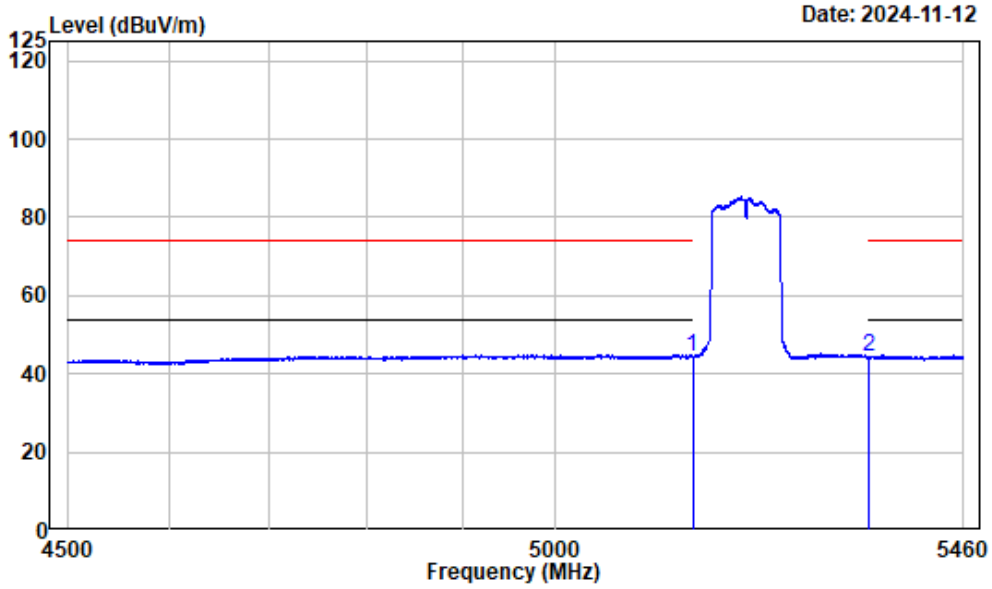
Band edge_Vertical_Peak -5210



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5088.674	2.78	54.81	57.59	74.00	-16.41	peak
2	5371.429	2.94	54.62	57.56	74.00	-16.44	peak

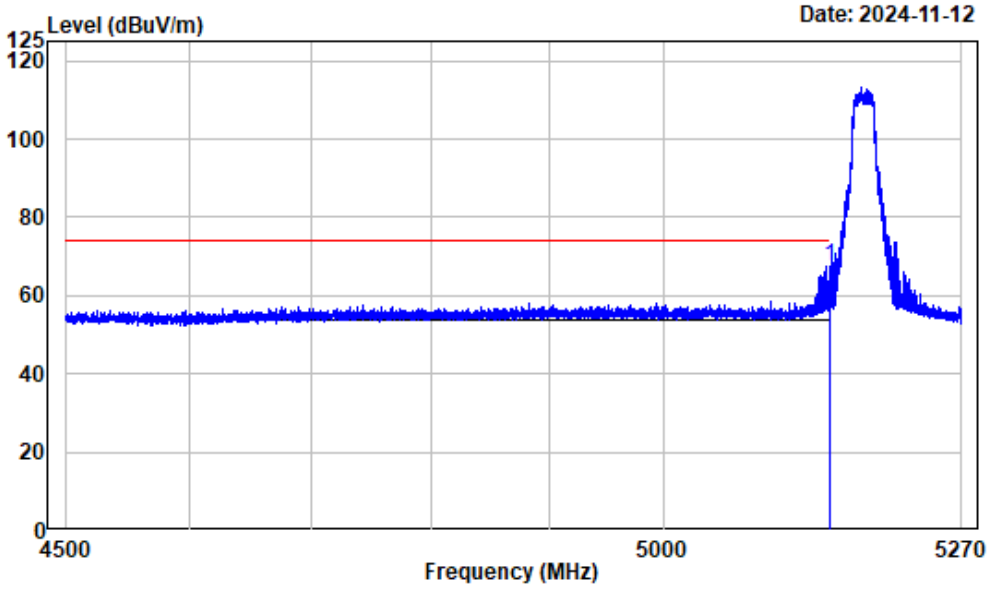
Band edge_Vertical_Average -5210



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	2.71	41.56	44.27	54.00	-9.73	Average
2	5350.000	2.91	41.31	44.22	54.00	-9.78	Average

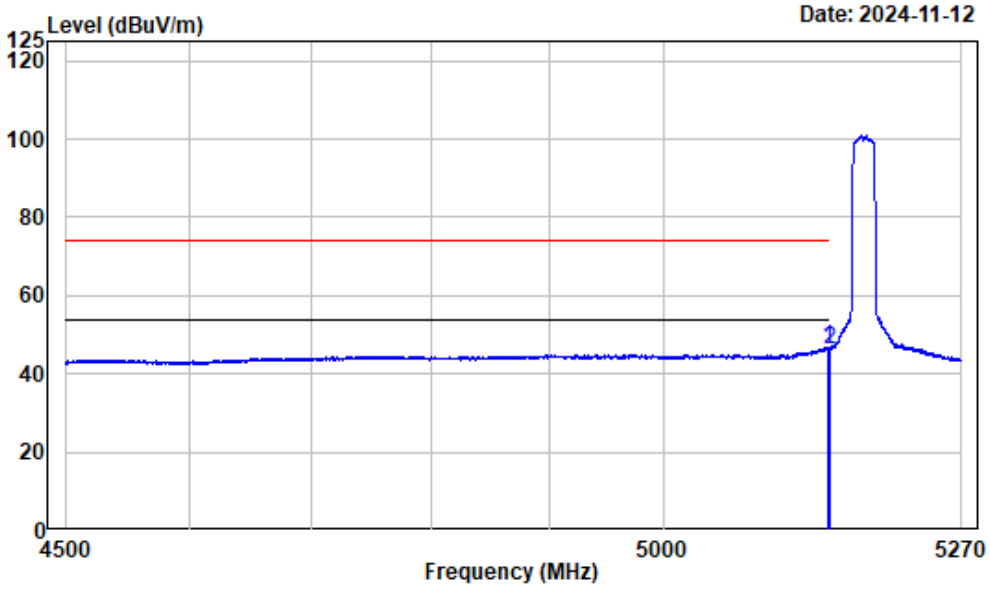
Left Band edge_Horizontal _Peak -5180



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.902	2.71	64.92	67.63	74.00	-6.37	Peak
2	5150.000	2.71	54.09	56.80	74.00	-17.20	Peak

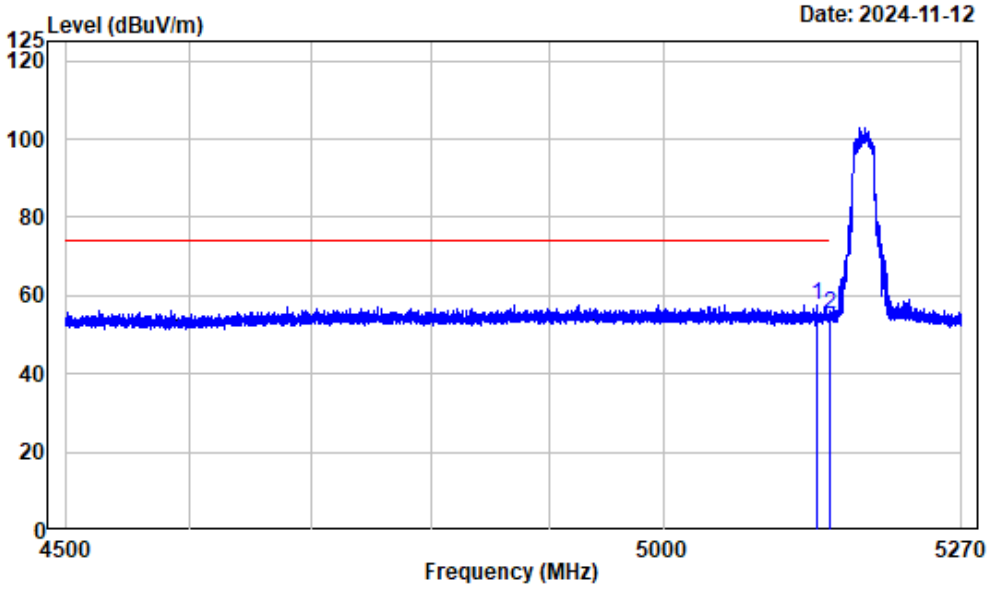
Left Band edge_Horizontal _Average -5180



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5147.169	2.70	44.06	46.76	54.00	-7.24	Average
2	5150.000	2.71	43.65	46.36	54.00	-7.64	Average

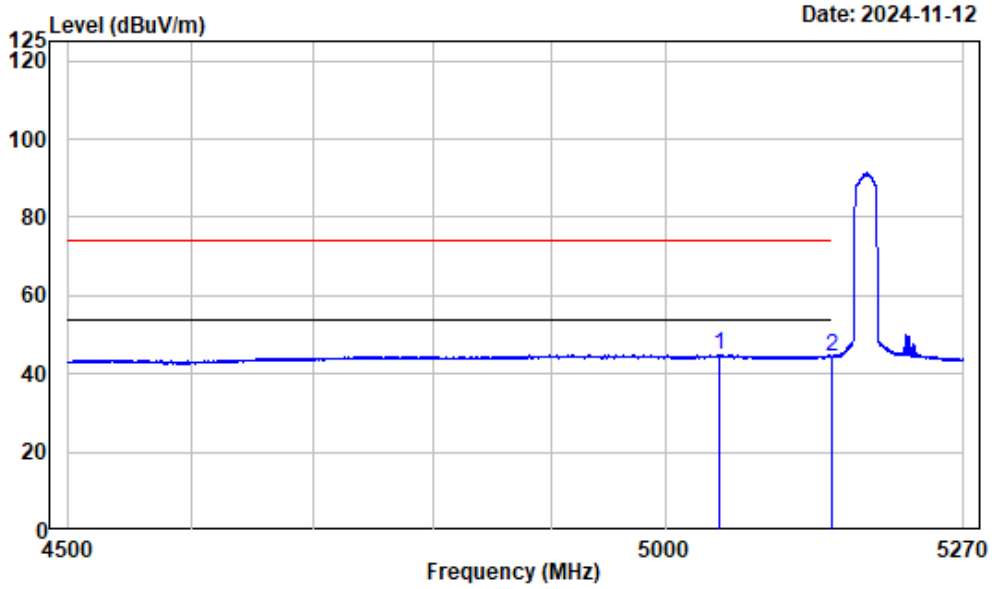
Left Band edge_Vertical_Peak -5180



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5136.966	2.71	54.87	57.58	74.00	-16.42	peak
2	5150.000	2.71	52.51	55.22	74.00	-18.78	Peak

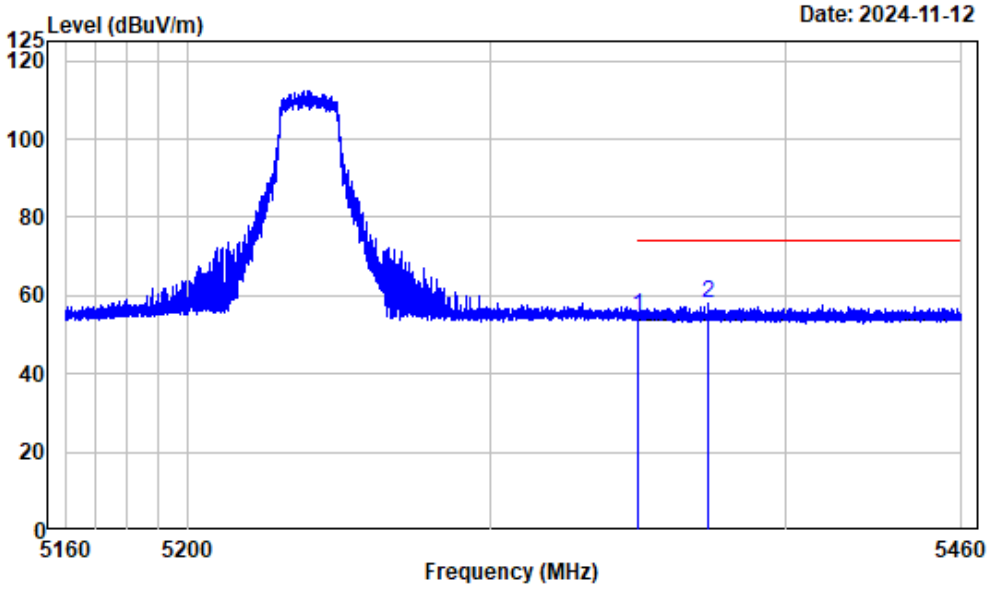
Left Band edge_Vertical_Average -5180



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5048.790	2.95	41.87	44.82	54.00	-9.18	Average
2	5150.000	2.71	41.58	44.29	54.00	-9.71	Average

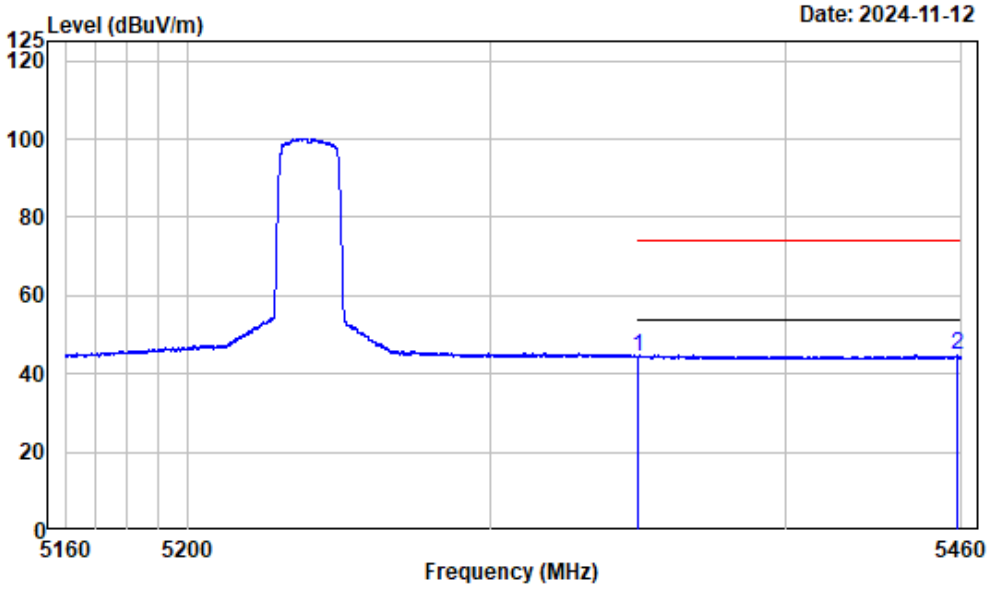
Right Band edge_Horizontal _Peak -5240



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	51.62	54.53	74.00	-19.47	Peak
2	5373.364	2.95	55.14	58.09	74.00	-15.91	peak

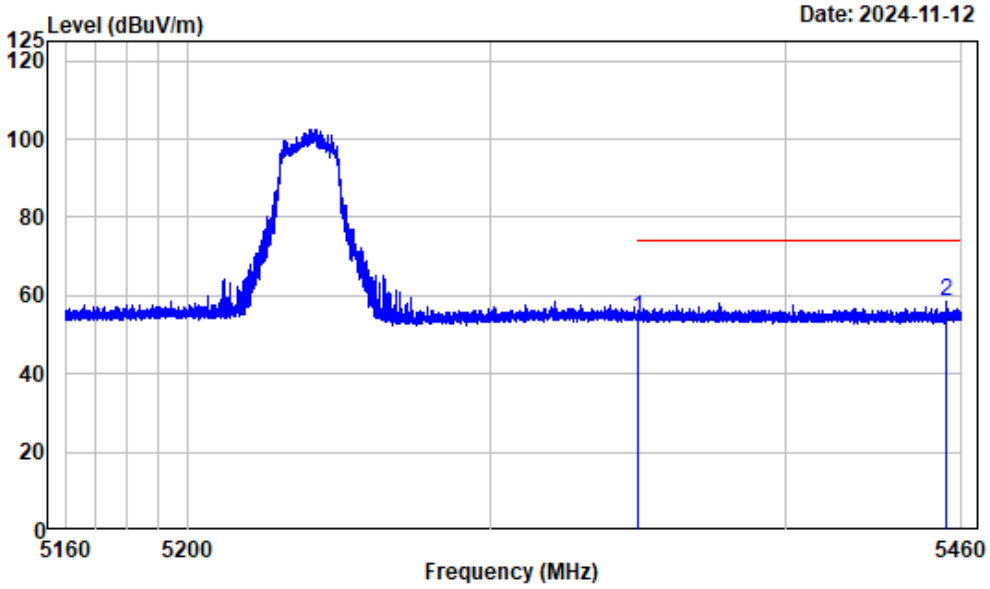
Right Band edge_Horizontal_Average -5240



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	41.60	44.51	54.00	-9.49	Average
2	5458.725	3.06	41.62	44.68	54.00	-9.32	Average

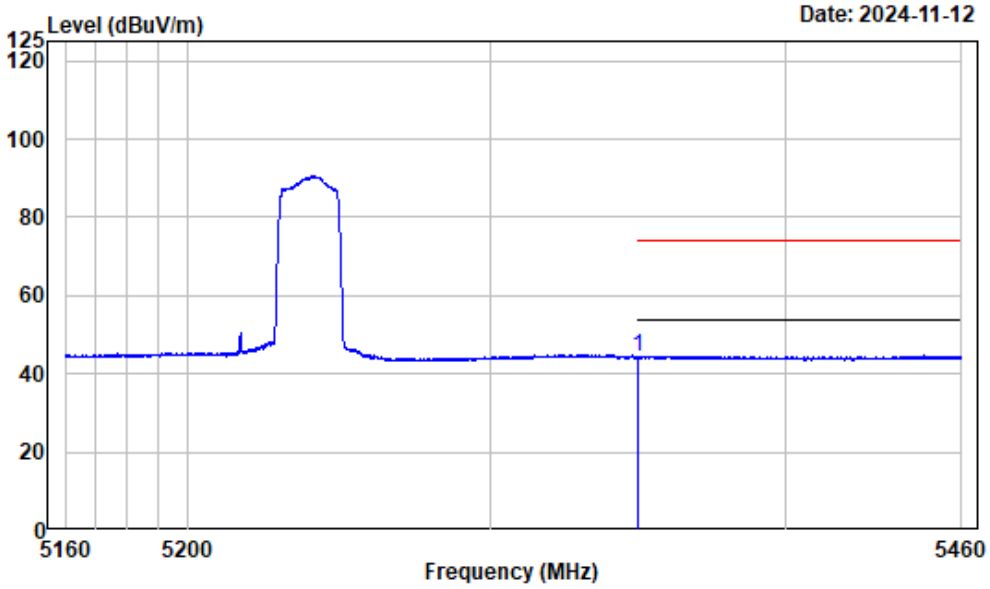
Right Band edge_Vertical _Peak -5240



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	51.43	54.34	74.00	-19.66	Peak
2	5454.975	3.06	55.40	58.46	74.00	-15.54	peak

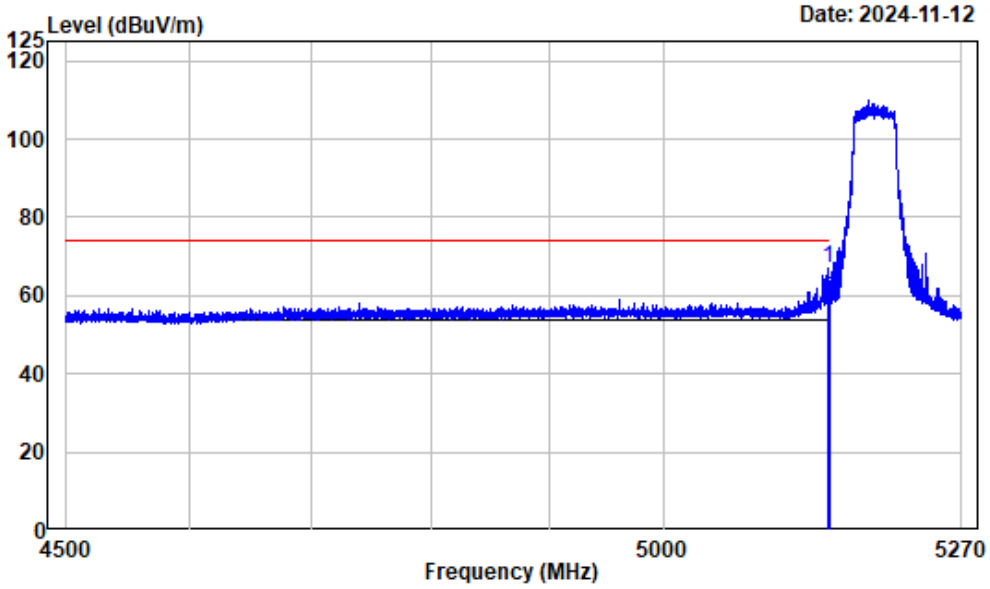
Right Band edge_Vertical _Average -5240



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	41.28	44.19	54.00	-9.81	Average

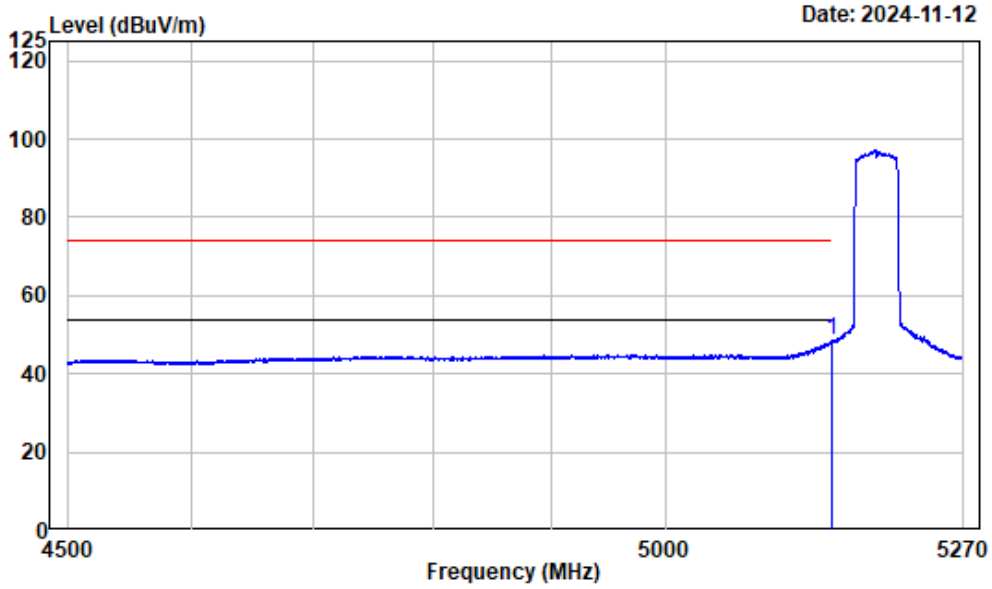
Left Band edge_Horizontal _Peak -5190



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5147.747	2.70	64.46	67.16	74.00	-6.84	Peak
2	5150.000	2.71	56.02	58.73	74.00	-15.27	Peak

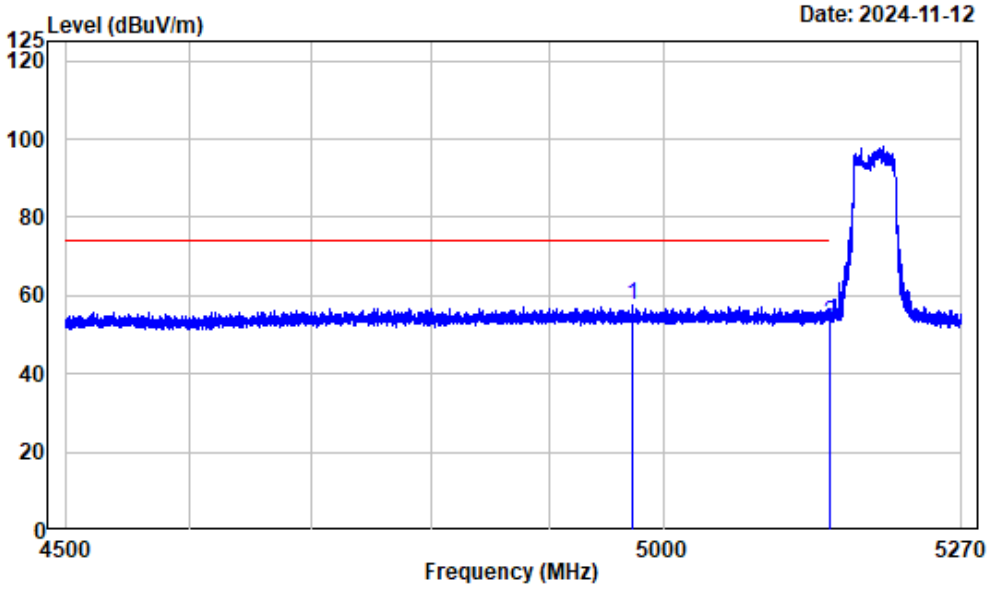
Left Band edge_Horizontal _Average -5190



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	2.71	45.72	48.43	54.00	-5.57	Average

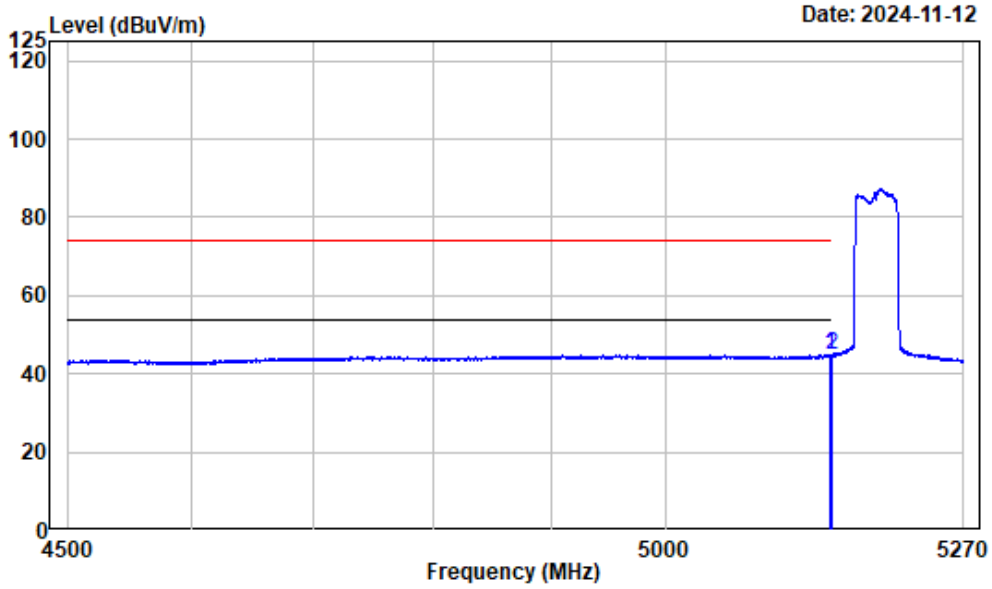
Left Band edge_Vertical_Peak -5190



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4972.743	2.77	54.69	57.46	74.00	-16.54	peak
2	5150.000	2.71	50.03	52.74	74.00	-21.26	Peak

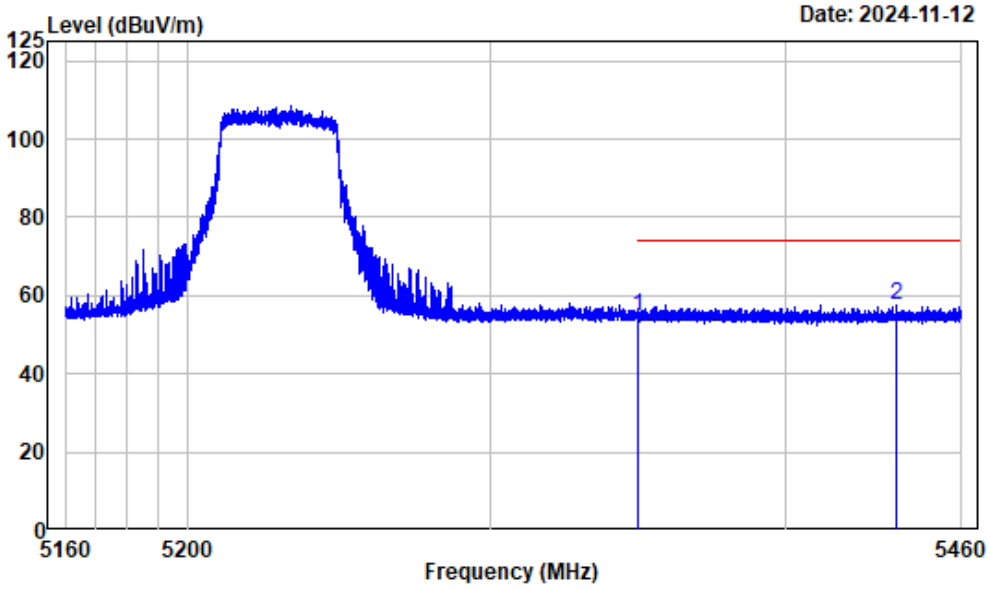
Left Band edge_Vertical_Average -5190



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5147.940	2.70	42.32	45.02	54.00	-8.98	Average
2	5150.000	2.71	42.15	44.86	54.00	-9.14	Average

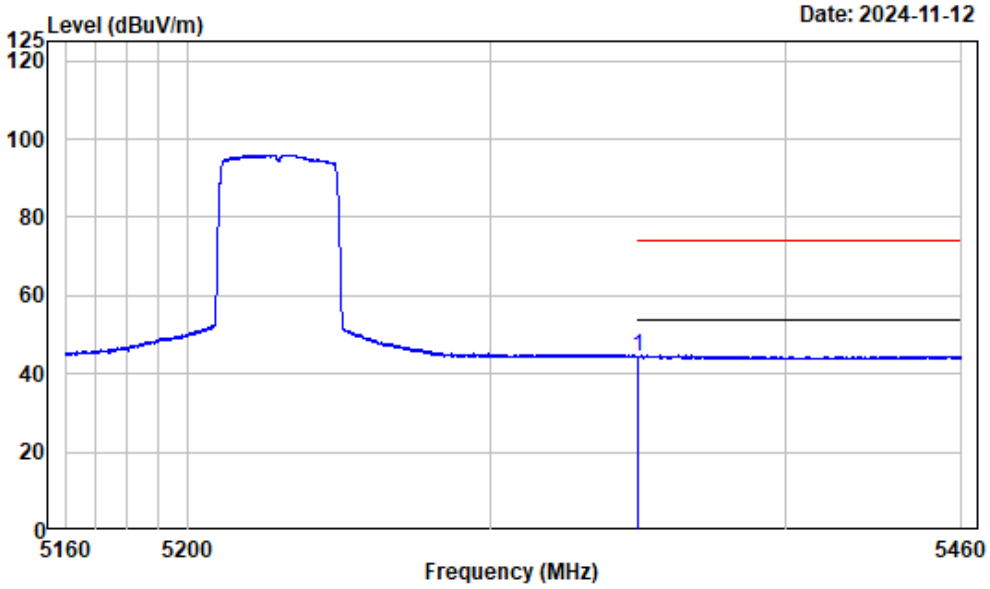
Right Band edge_Horizontal _Peak -5230



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	51.97	54.88	74.00	-19.12	Peak
2	5437.459	3.04	54.42	57.46	74.00	-16.54	peak

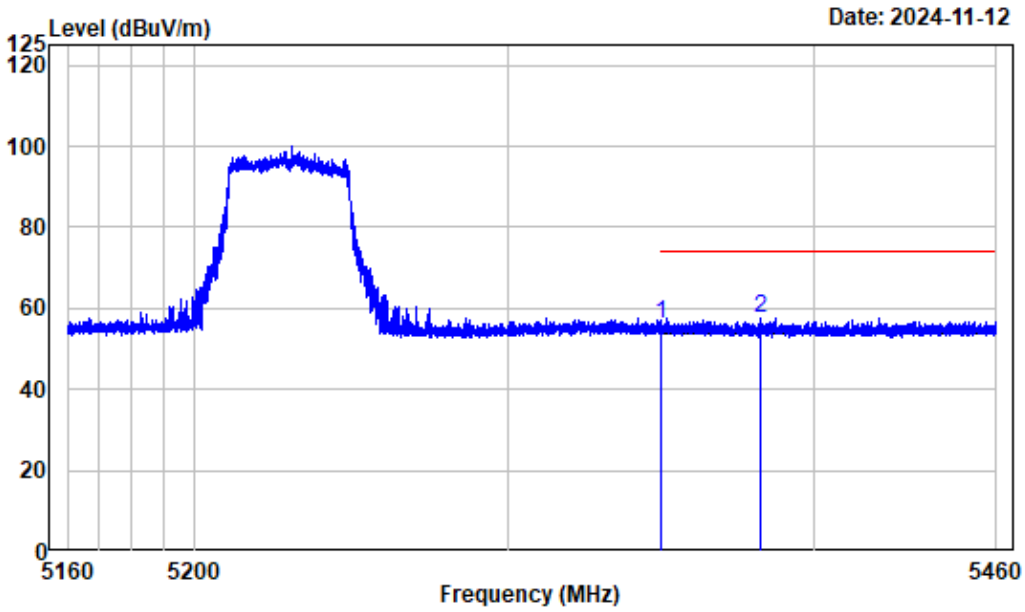
Right Band edge_Horizontal_Average -5230



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_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	41.38	44.28	54.00	-9.72	Average

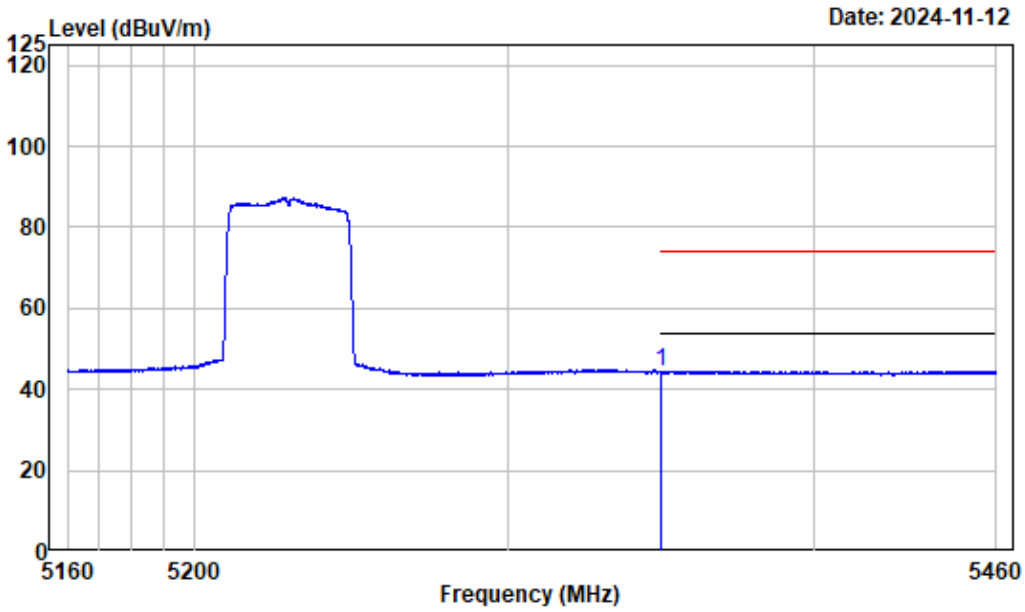
Right Band edge_Vertical _Peak -5230



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	53.07	55.98	74.00	-18.02	Peak
2	5382.178	2.95	54.72	57.67	74.00	-16.33	peak

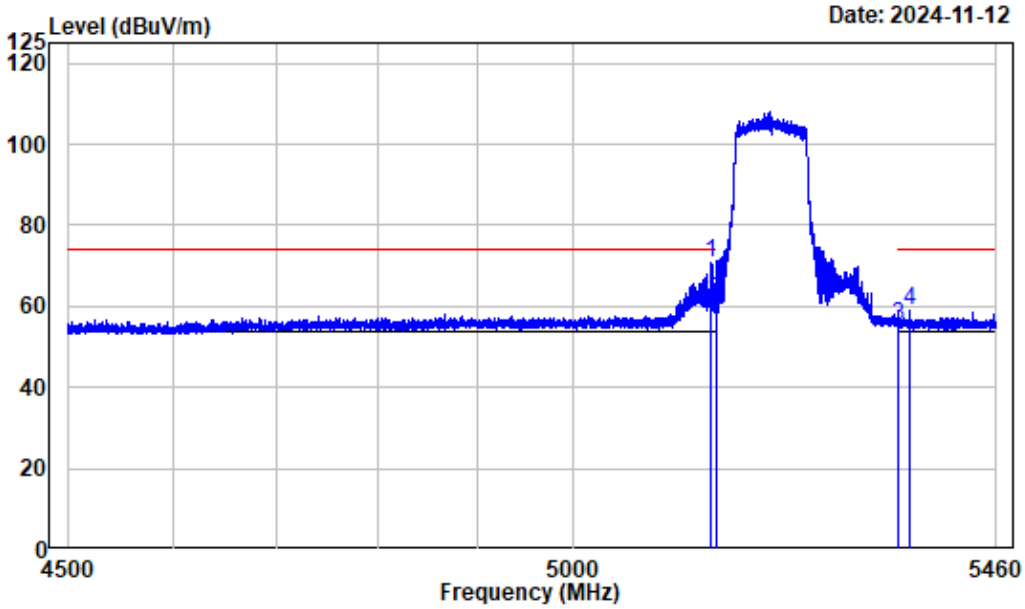
Right Band edge_Vertical _Average -5230



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.91	41.31	44.22	54.00	-9.78	Average

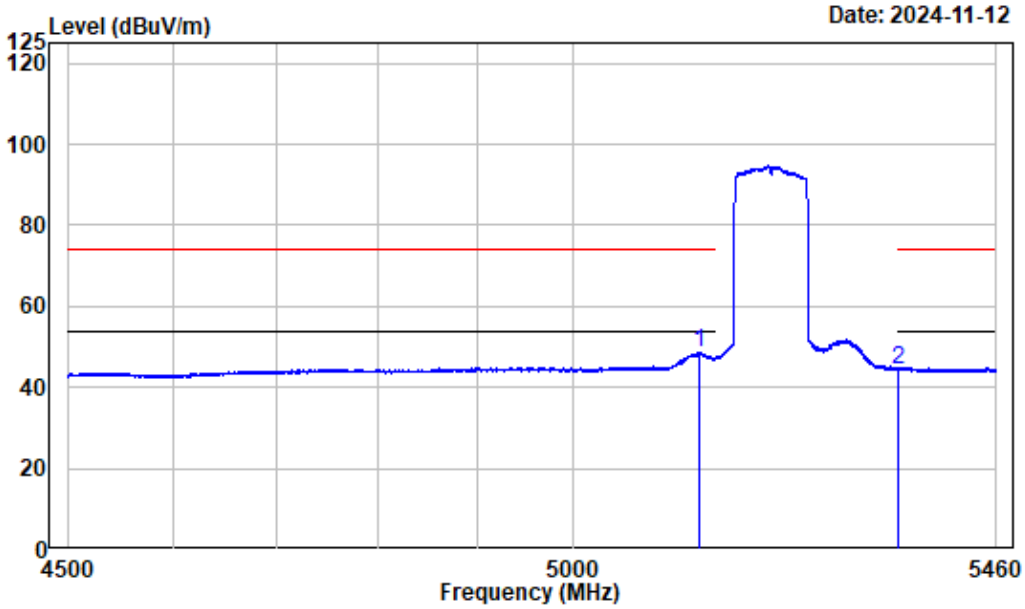
Band edge_Horizontal _Peak -5210



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5145.561	2.70	68.23	70.93	74.00	-3.07	Peak
2	5150.000	2.71	58.41	61.12	74.00	-12.88	Peak
3	5350.000	2.91	52.46	55.37	74.00	-18.63	Peak
4	5362.548	2.93	56.19	59.12	74.00	-14.88	Peak

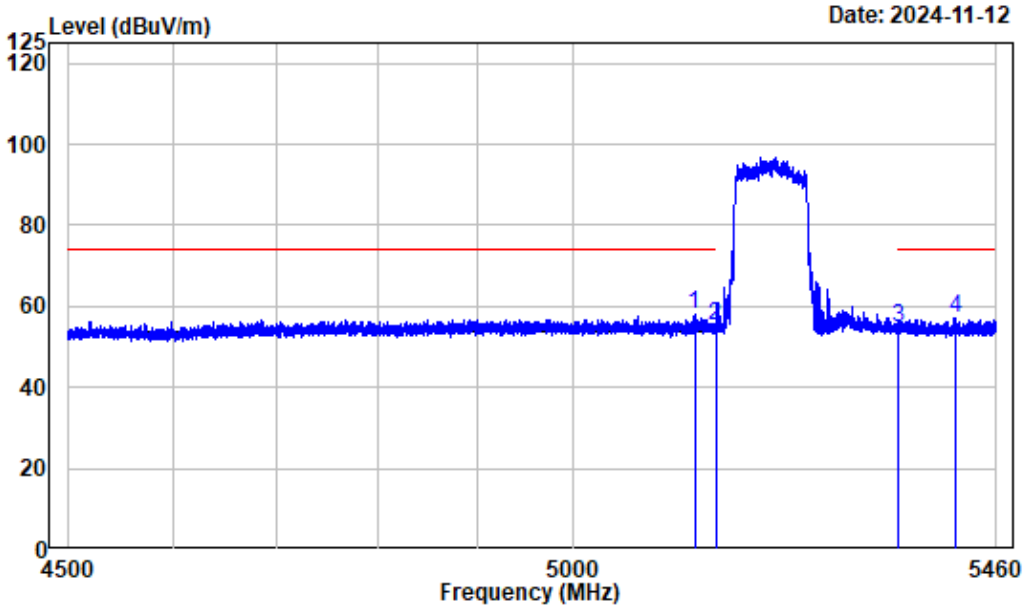
Band edge_Horizontal _Average -5210



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5132.599	2.70	45.82	48.52	54.00	-5.48	Average
2	5350.000	2.91	41.50	44.41	54.00	-9.59	Average

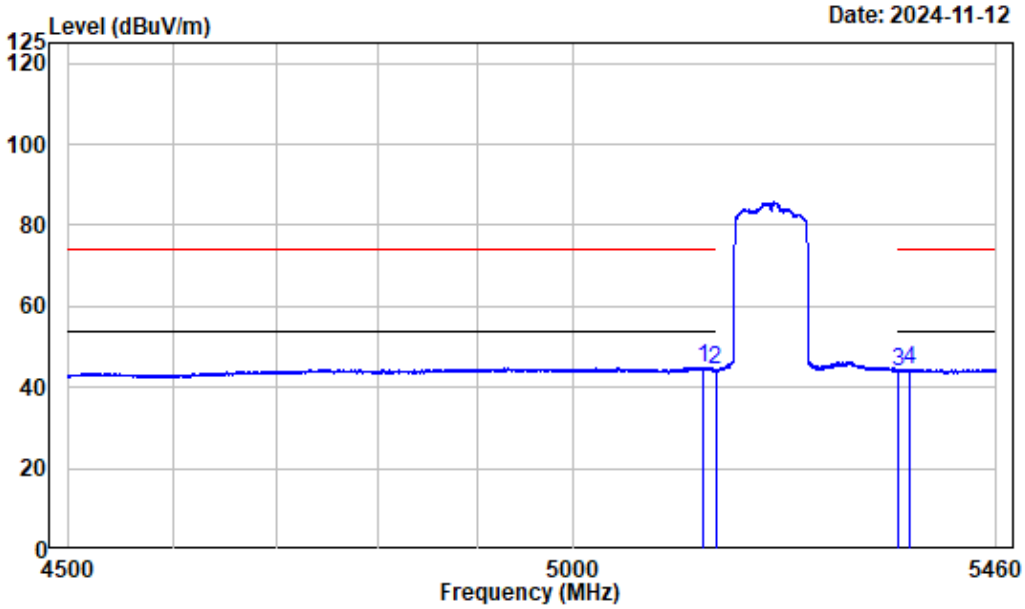
Band edge_Vertical_Peak -5210



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5127.559	2.71	55.14	57.85	74.00	-16.15	peak
2	5150.000	2.71	52.39	55.10	74.00	-18.90	Peak
3	5350.000	2.91	52.03	54.94	74.00	-19.06	Peak
4	5414.514	3.01	53.89	56.90	74.00	-17.10	peak

Band edge_Vertical_Average -5210

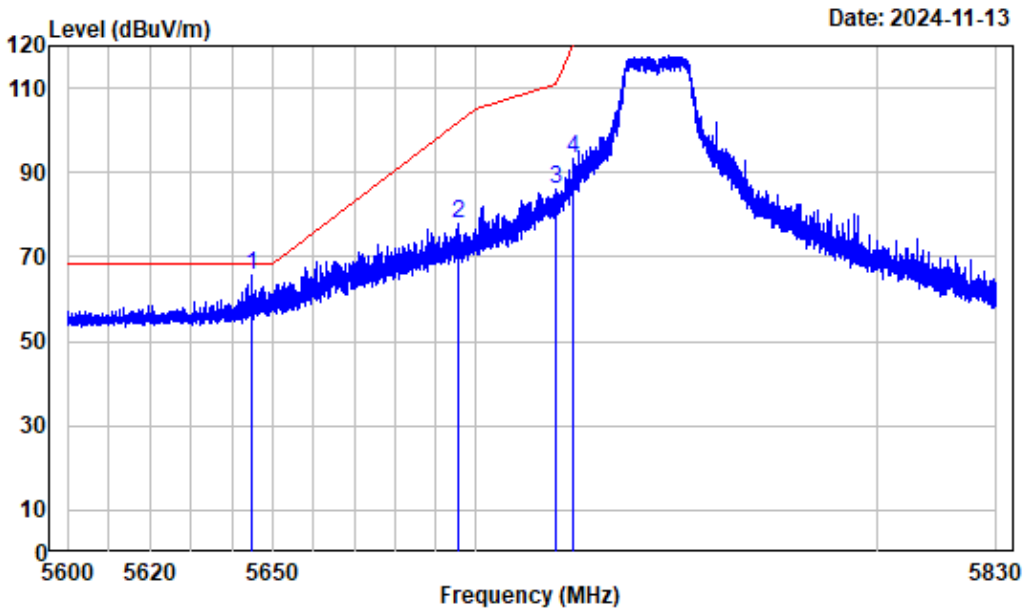


Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5137.280	2.71	42.27	44.98	54.00	-9.02	Average
2	5150.000	2.71	41.61	44.32	54.00	-9.68	Average
3	5350.000	2.91	41.00	43.91	54.00	-10.09	Average
4	5362.308	2.92	41.59	44.51	54.00	-9.49	Average

Band4

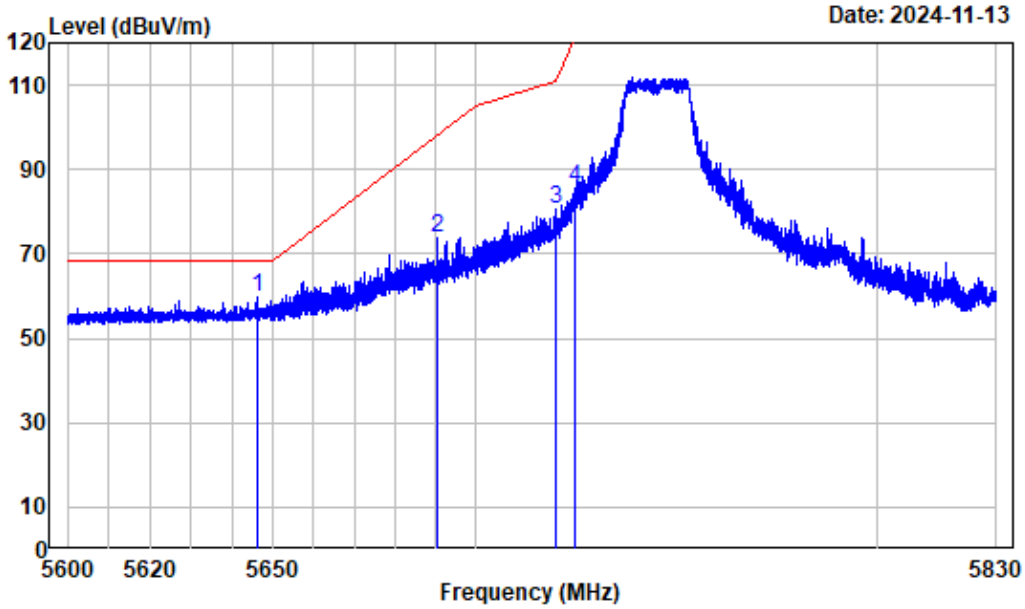
Left Band edge_Horizontal -5745



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5644.683	3.23	62.32	65.55	68.20	-2.65	peak
2	5695.750	3.43	74.26	77.69	102.07	-24.38	peak
3	5719.558	3.48	82.40	85.88	110.68	-24.80	peak
4	5724.101	3.48	89.91	93.39	120.15	-26.76	peak

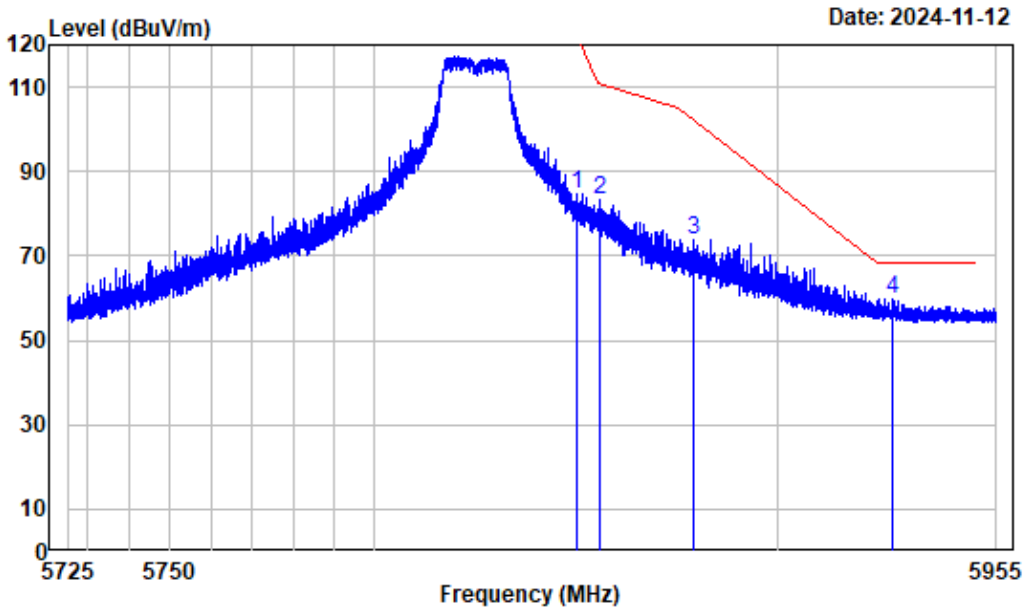
Left Band edge_Vertical -5745



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5646.379	3.24	56.68	59.92	68.20	-8.28	peak
2	5690.315	3.41	70.20	73.61	98.06	-24.45	peak
3	5719.672	3.48	76.90	80.38	110.71	-30.33	peak
4	5724.445	3.48	82.03	85.51	120.94	-35.43	peak

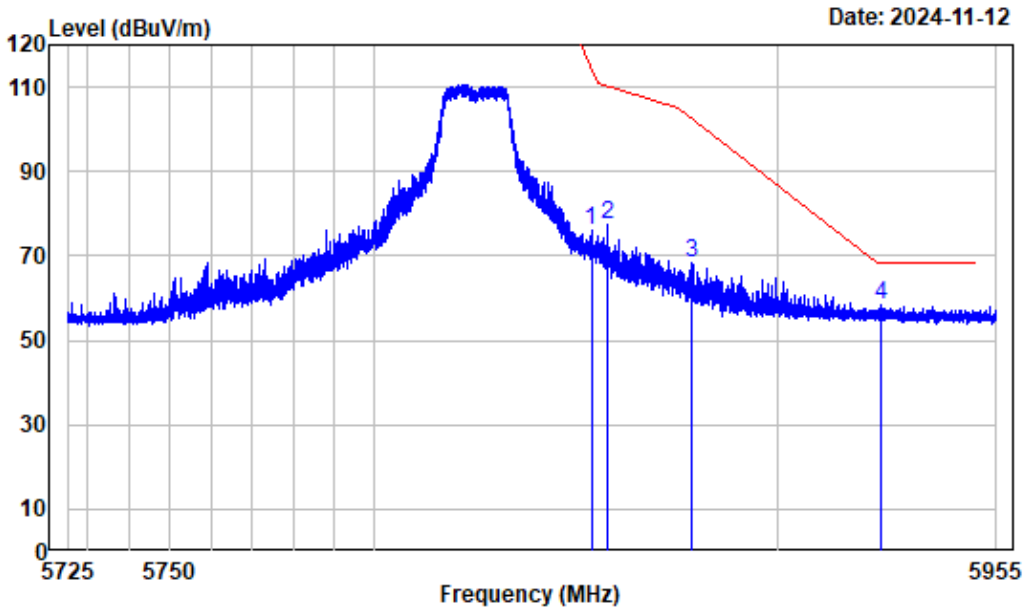
Right Band edge_Horizontal -5825



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.049	3.67	81.11	84.78	122.09	-37.31	peak
2	5855.886	3.70	79.49	83.19	110.55	-27.36	peak
3	5878.918	3.78	70.23	74.01	102.29	-28.28	peak
4	5928.662	3.78	56.08	59.86	68.20	-8.34	peak

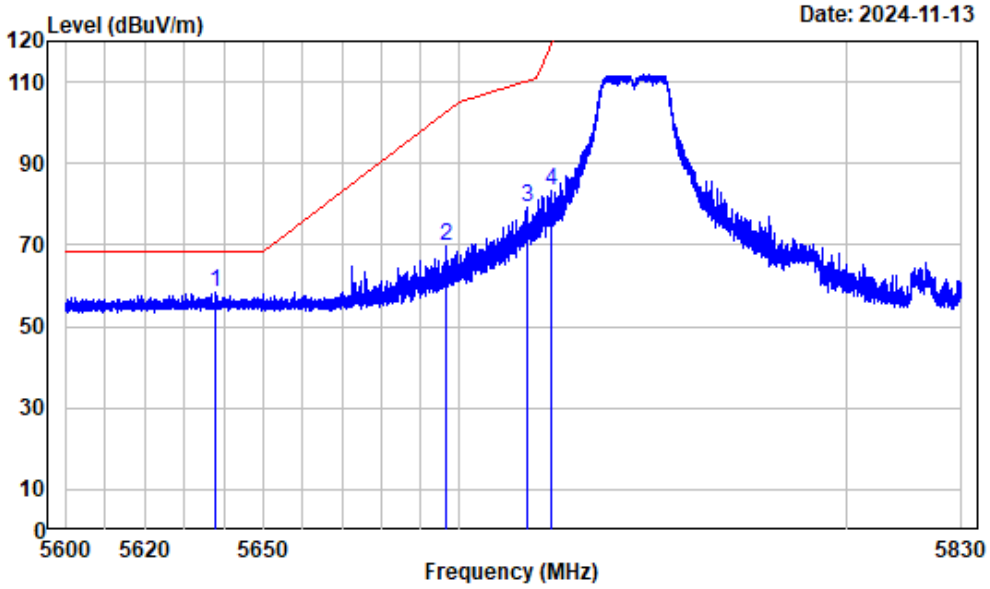
Right Band edge_Vertical -5825



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5853.586	3.69	72.41	76.10	114.02	-37.92	peak
2	5857.755	3.71	73.54	77.25	110.03	-32.78	peak
3	5878.343	3.77	64.80	68.57	102.72	-34.15	peak
4	5925.786	3.79	54.55	58.34	68.20	-9.86	peak

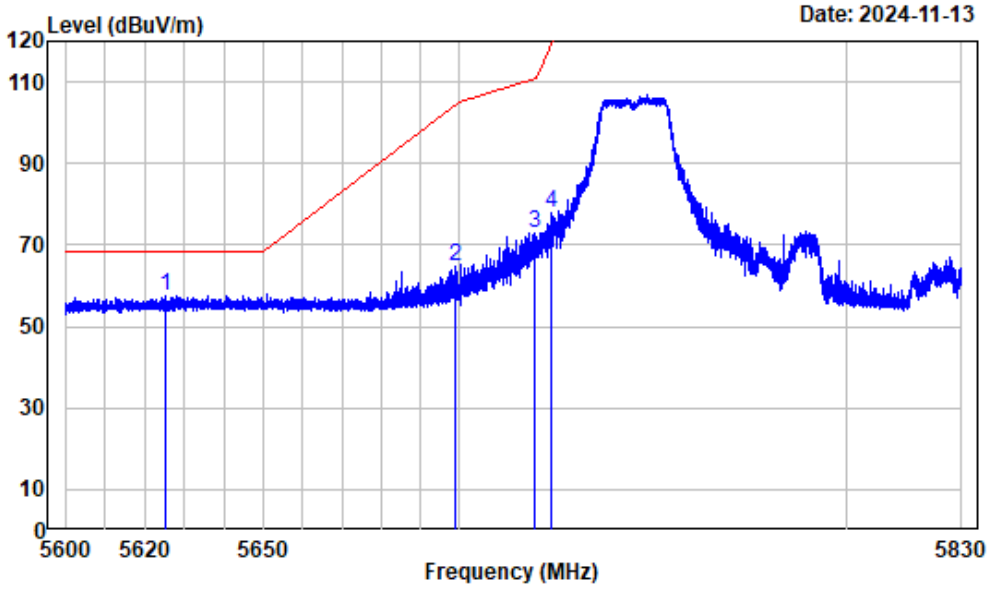
Left Band edge_Horizontal -5745



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5637.753	3.18	55.45	58.63	68.20	-9.57	peak
2	5696.698	3.44	66.17	69.61	102.77	-33.16	peak
3	5717.487	3.47	75.77	79.24	110.10	-30.86	peak
4	5723.727	3.48	80.05	83.53	119.30	-35.77	peak

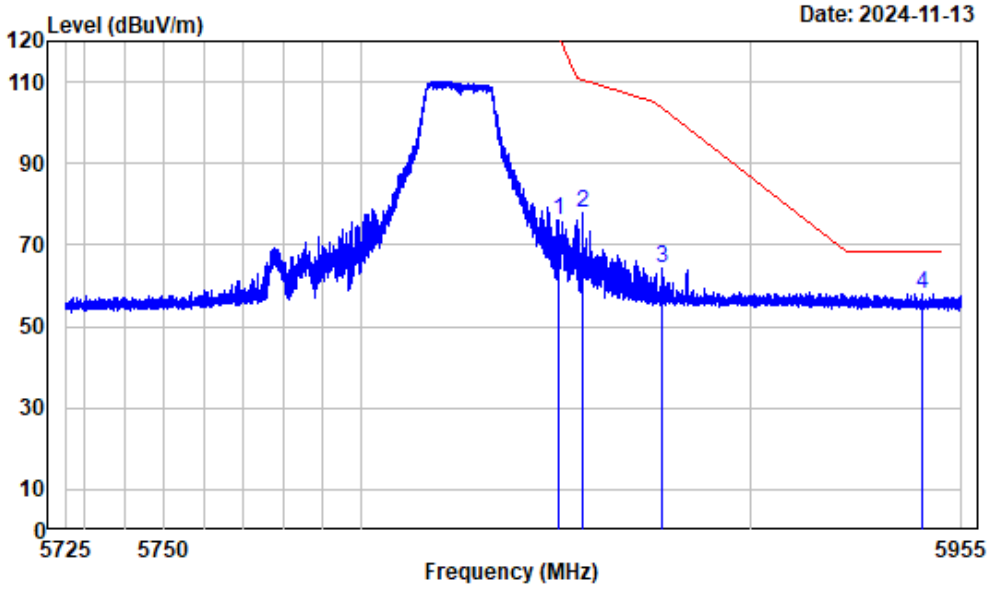
Left Band edge_Vertical-5745



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5625.476	3.08	54.51	57.59	68.20	-10.61	peak
2	5698.740	3.44	61.44	64.88	104.27	-39.39	peak
3	5719.328	3.48	69.59	73.07	110.61	-37.54	peak
4	5723.554	3.48	74.22	77.70	118.90	-41.20	peak

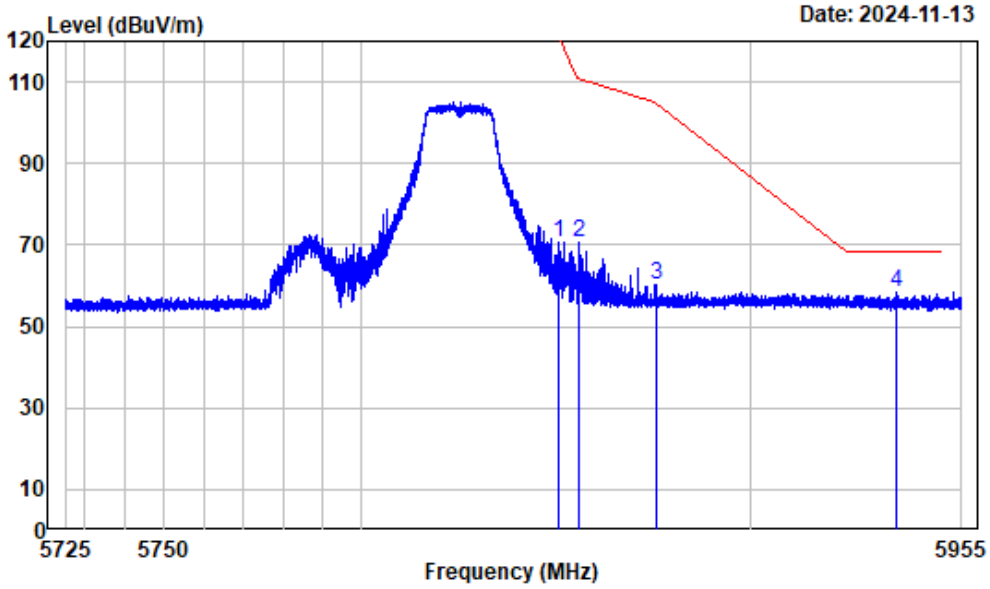
Right Band edge_Horizontal -5825



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.567	3.67	72.42	76.09	120.91	-44.82	peak
2	5856.720	3.71	74.24	77.95	110.32	-32.37	peak
3	5877.222	3.78	60.54	64.32	103.55	-39.23	peak
4	5944.563	3.74	54.31	58.05	68.20	-10.15	peak

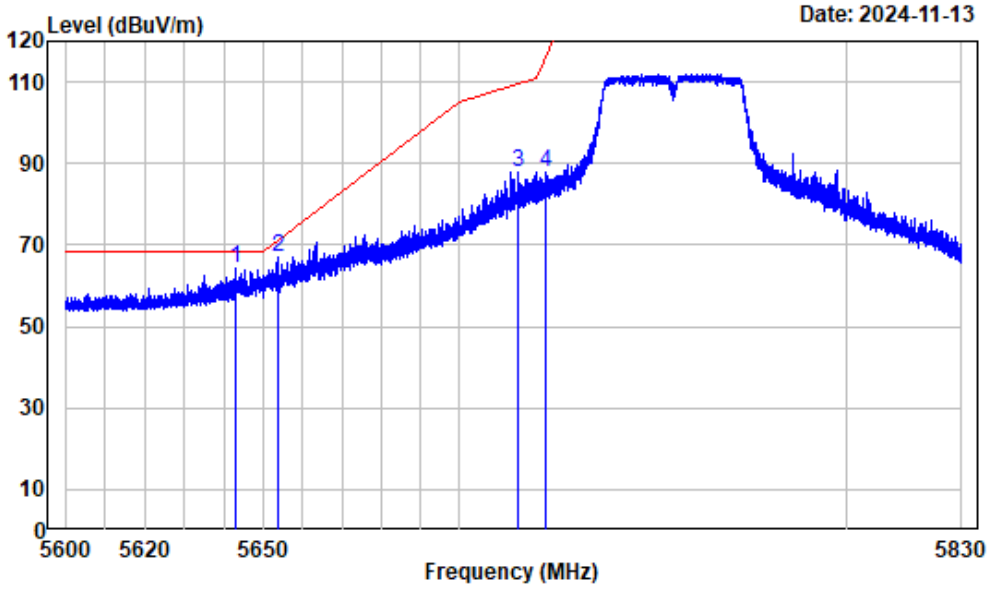
Right Band edge_Vertical -5825



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.423	3.67	66.94	70.61	121.23	-50.62	peak
2	5855.915	3.70	67.06	70.76	110.54	-39.78	peak
3	5875.669	3.77	56.66	60.43	104.70	-44.27	peak
4	5937.920	3.76	54.67	58.43	68.20	-9.77	peak

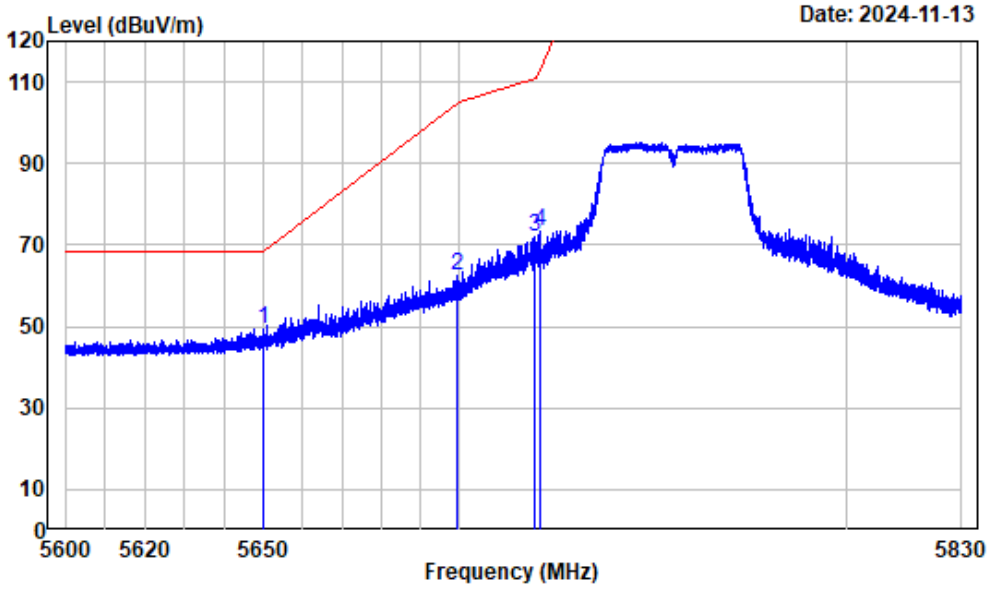
Left Band edge_Horizontal -5755



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5643.102	3.21	61.05	64.26	68.20	-3.94	peak
2	5653.568	3.28	63.57	66.85	70.85	-4.00	Peak
3	5714.899	3.47	84.42	87.89	109.37	-21.48	peak
4	5722.146	3.48	84.40	87.88	115.69	-27.81	peak

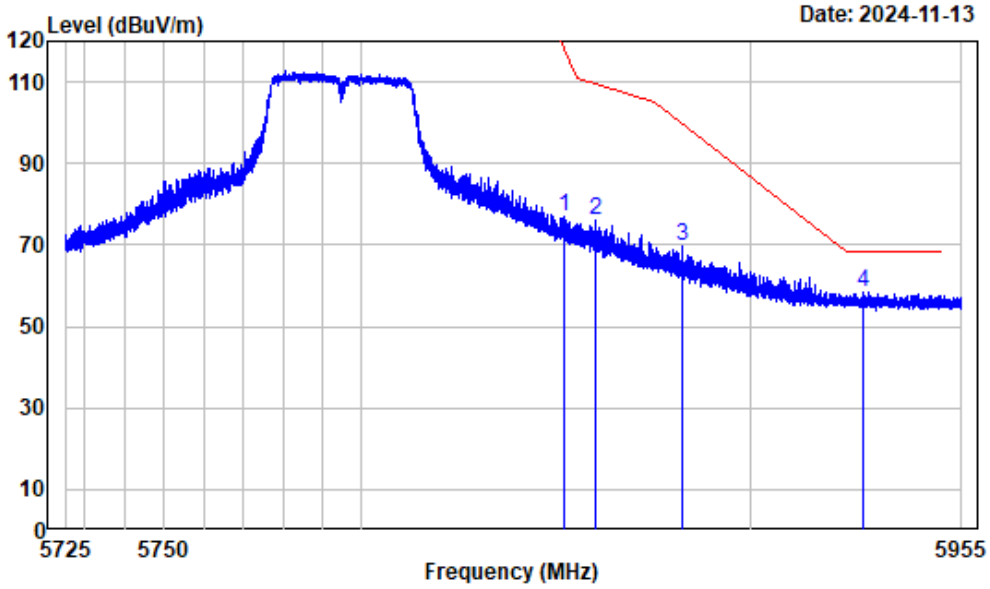
Left Band edge_Vertical -5755



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5649.916	3.28	46.09	49.37	68.20	-18.83	peak
2	5699.373	3.45	59.16	62.61	104.74	-42.13	peak
3	5719.500	3.48	68.65	72.13	110.66	-38.53	peak
4	5720.823	3.48	69.90	73.38	112.68	-39.30	peak

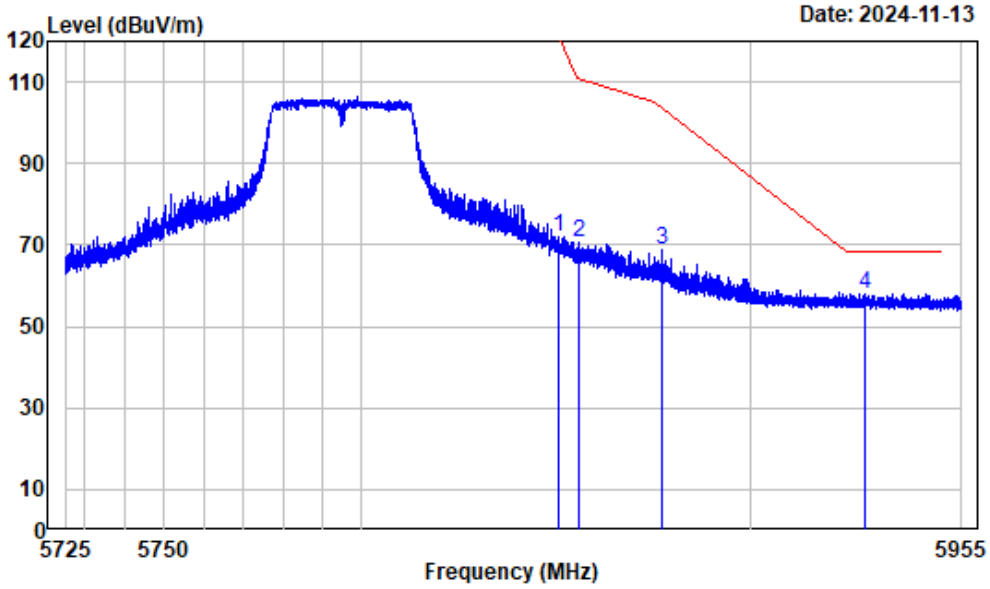
Right Band edge_Horizontal -5795



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5852.091	3.69	73.36	77.05	117.43	-40.38	peak
2	5859.797	3.71	72.55	76.26	109.46	-33.20	peak
3	5882.483	3.79	66.14	69.93	99.64	-29.71	peak
4	5929.524	3.78	54.62	58.40	68.20	-9.80	peak

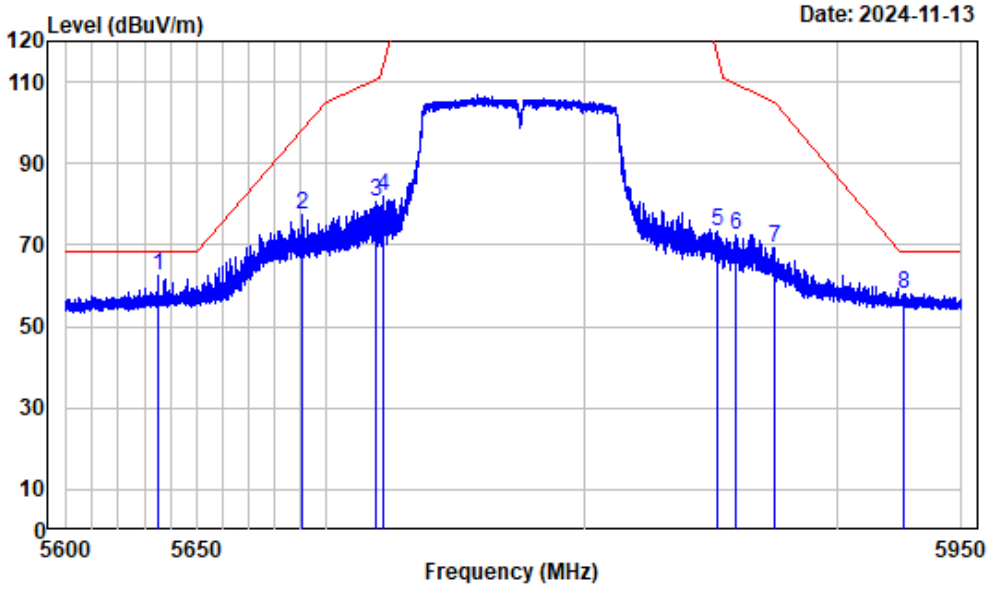
Right Band edge_Vertical -5795



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.653	3.67	68.45	72.12	120.71	-48.59	peak
2	5855.685	3.70	66.99	70.69	110.61	-39.92	peak
3	5876.992	3.78	65.27	69.05	103.72	-34.67	peak
4	5929.668	3.78	54.37	58.15	68.20	-10.05	peak

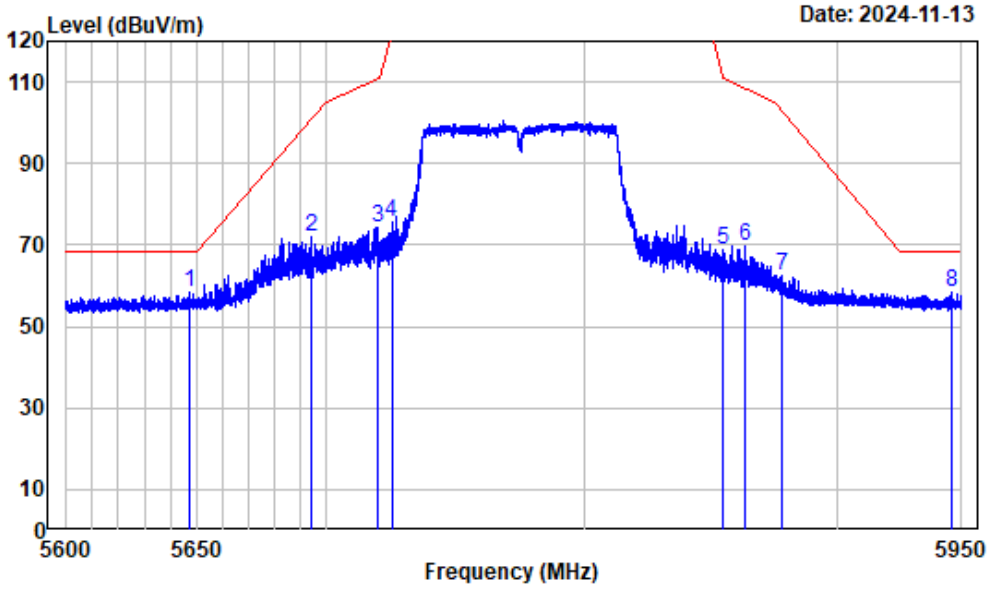
Band edge_Horizontal _5775



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5635.092	3.16	59.55	62.71	68.20	-5.49	peak
2	5690.180	3.41	73.86	77.27	97.96	-20.69	peak
3	5719.059	3.48	77.31	80.79	110.54	-29.75	peak
4	5722.078	3.48	78.39	81.87	115.54	-33.67	peak
5	5852.863	3.69	69.88	73.57	115.67	-42.10	peak
6	5860.083	3.71	68.75	72.46	109.38	-36.92	peak
7	5875.091	3.77	65.40	69.17	105.13	-35.96	peak
8	5927.028	3.79	54.23	58.02	68.20	-10.18	peak

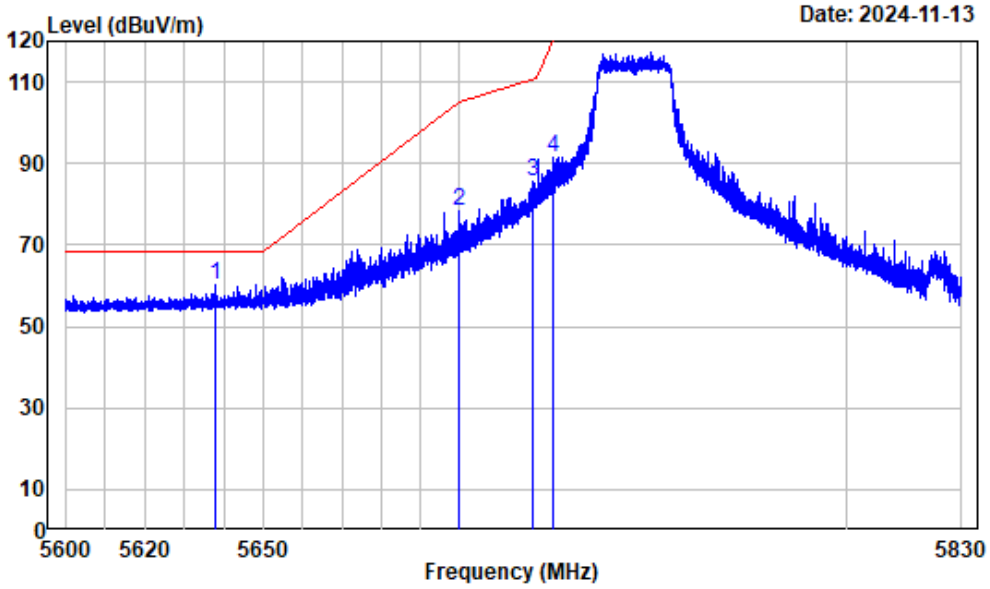
Band edge_Vertical _5775



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5646.950	3.25	55.30	58.55	68.20	-9.65	peak
2	5693.681	3.42	68.38	71.80	100.54	-28.74	peak
3	5719.759	3.48	70.80	74.28	110.73	-36.45	peak
4	5725.009	3.48	72.14	75.62	155.20	-79.58	peak
5	5854.525	3.70	65.26	68.96	111.88	-42.92	peak
6	5863.626	3.72	65.97	69.69	108.38	-38.69	peak
7	5877.891	3.77	58.90	62.67	103.05	-40.38	peak
8	5945.756	3.75	54.46	58.21	68.20	-9.99	peak

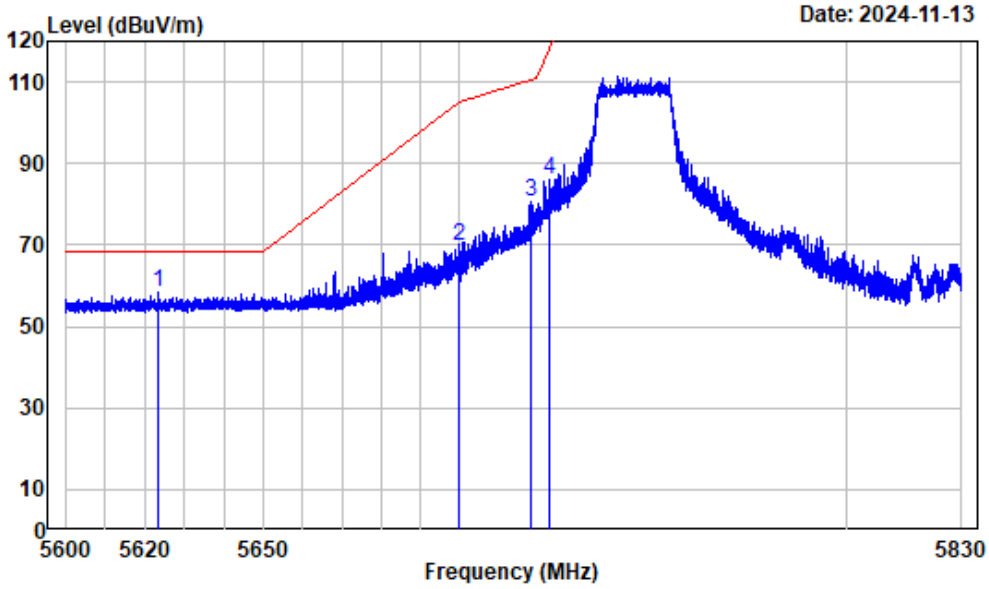
Left Band edge_Horizontal -5745



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5638.070	3.18	57.24	60.42	68.20	-7.78	peak
2	5699.775	3.45	74.82	78.27	105.03	-26.76	peak
3	5718.781	3.48	82.28	85.76	110.46	-24.70	peak
4	5724.129	3.48	88.14	91.62	120.22	-28.60	peak

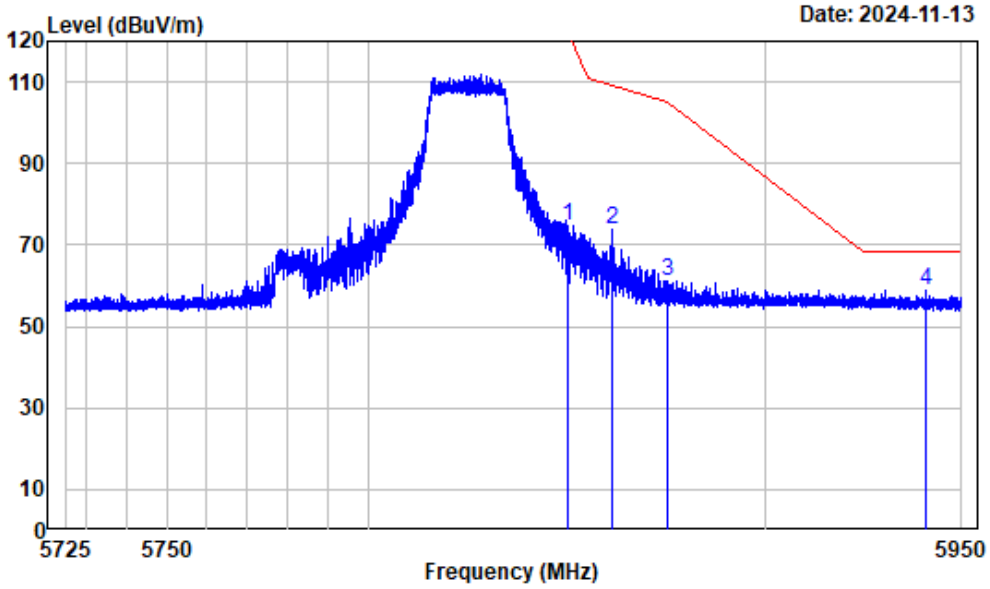
Left Band edge_Vertical -5745



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5623.607	3.07	55.25	58.32	68.20	-9.88	peak
2	5700.005	3.45	66.25	69.70	105.20	-35.50	peak
3	5718.177	3.48	77.31	80.79	110.29	-29.50	peak
4	5722.893	3.48	82.73	86.21	117.40	-31.19	peak

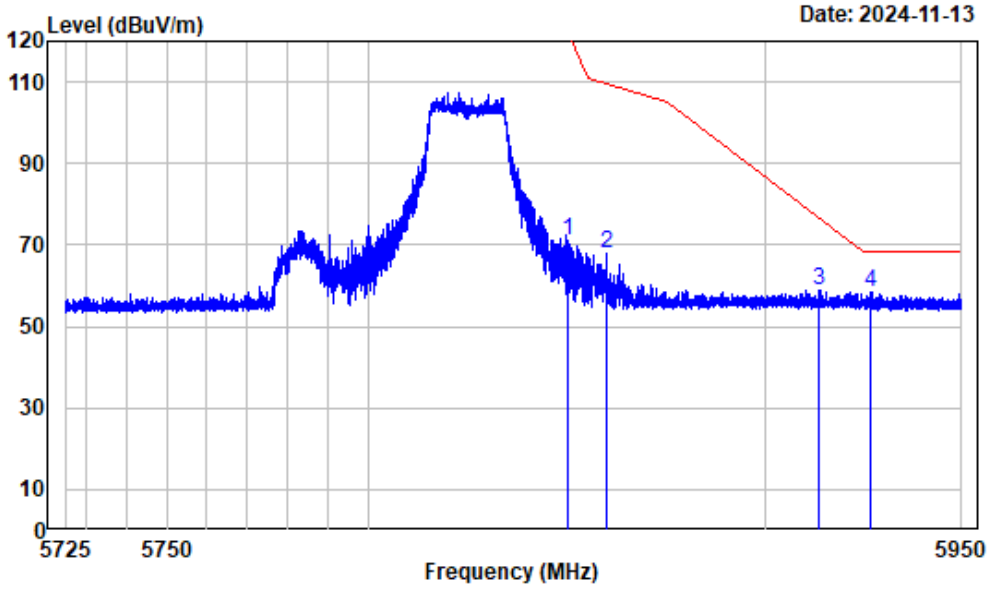
Right Band edge_Horizontal -5825



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.031	3.67	71.27	74.94	122.13	-47.19	peak
2	5861.198	3.71	70.09	73.80	109.06	-35.26	peak
3	5875.094	3.77	57.36	61.13	105.13	-44.00	peak
4	5940.999	3.75	54.93	58.68	68.20	-9.52	peak

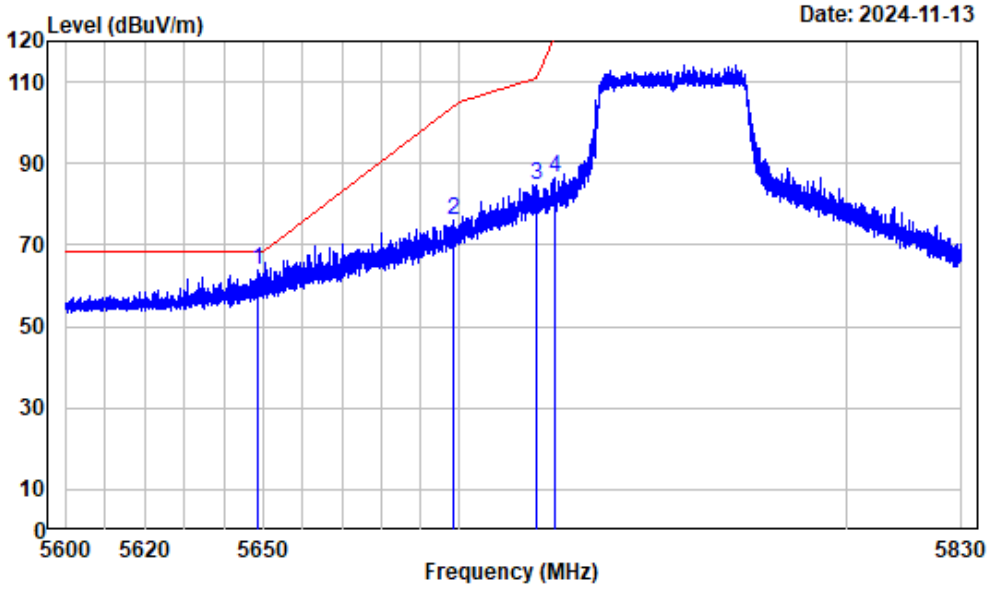
Right Band edge_Vertical -5825



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.003	3.68	67.52	71.20	122.19	-50.99	peak
2	5859.989	3.71	64.28	67.99	109.40	-41.41	peak
3	5913.827	3.81	55.13	58.94	76.44	-17.50	peak
4	5926.991	3.79	54.85	58.64	68.20	-9.56	peak

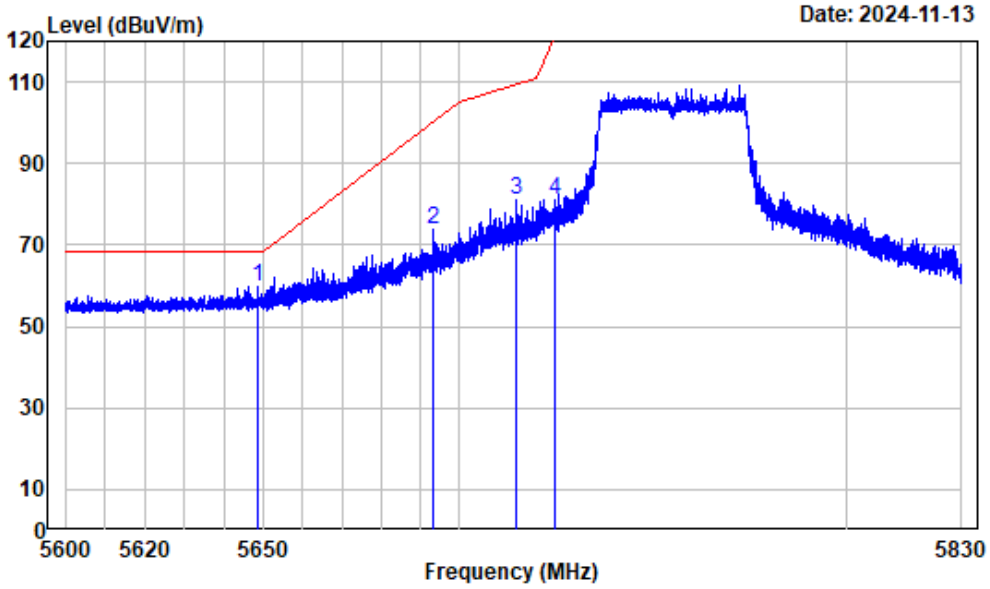
Left Band edge_Horizontal -5755



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5648.565	3.27	60.65	63.92	68.20	-4.28	peak
2	5698.423	3.44	72.48	75.92	104.04	-28.12	peak
3	5719.759	3.48	81.42	84.90	110.73	-25.83	peak
4	5724.331	3.48	82.83	86.31	120.67	-34.36	peak

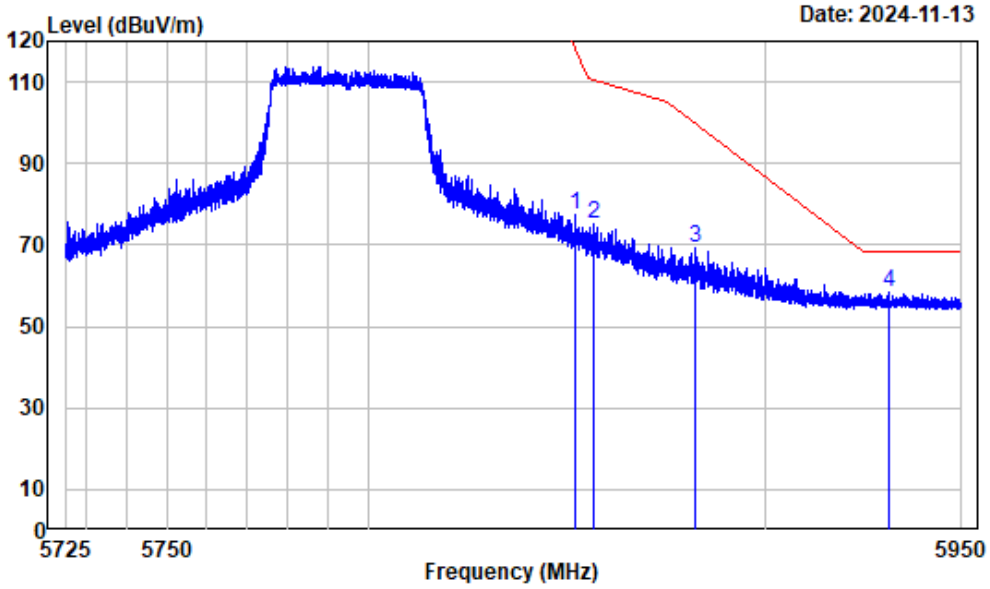
Left Band edge_Vertical -5755



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5648.737	3.27	56.33	59.60	68.20	-8.60	peak
2	5693.507	3.42	70.20	73.62	100.41	-26.79	peak
3	5714.755	3.47	77.56	81.03	109.33	-28.30	peak
4	5724.474	3.48	77.48	80.96	121.00	-40.04	peak

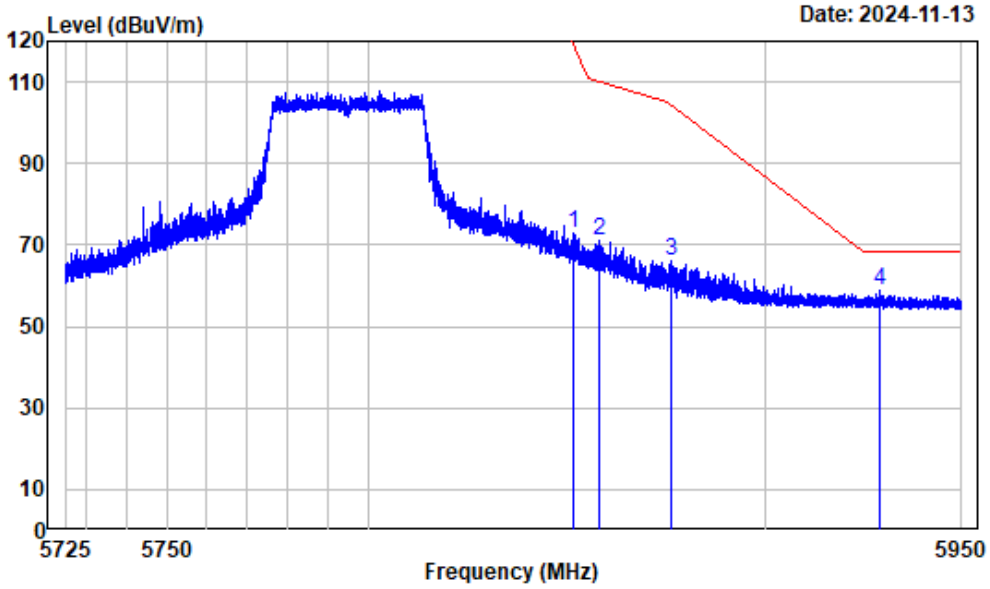
Right Band edge_Horizontal -5795



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5852.028	3.69	73.71	77.40	117.57	-40.17	peak
2	5856.473	3.71	71.38	75.09	110.39	-35.30	peak
3	5882.463	3.79	65.57	69.36	99.66	-30.30	peak
4	5931.294	3.79	54.57	58.36	68.20	-9.84	peak

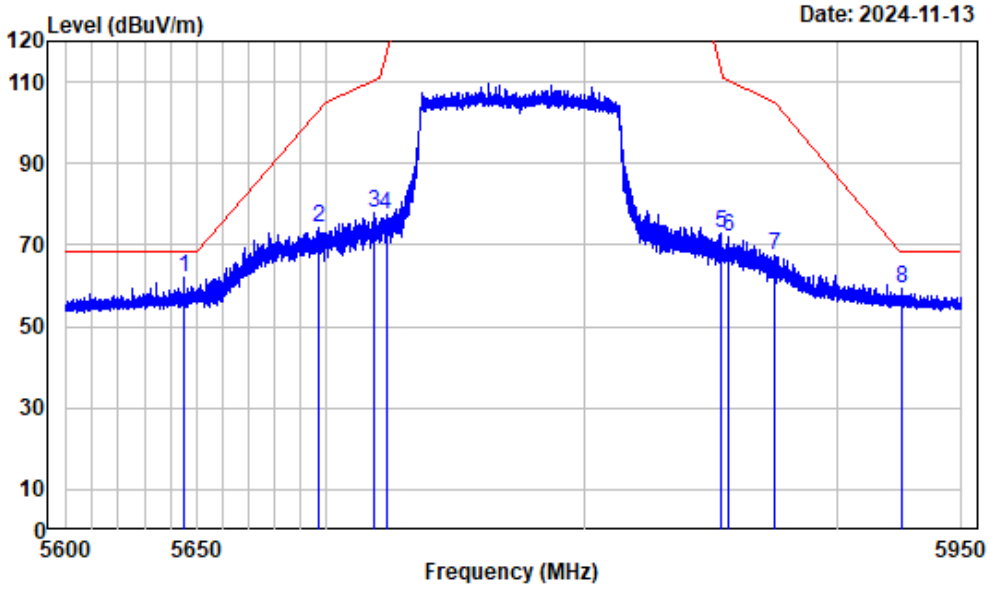
Right Band edge_Vertical -5795



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5851.578	3.69	69.24	72.93	118.60	-45.67	peak
2	5857.936	3.71	67.30	71.01	109.98	-38.97	peak
3	5876.191	3.77	62.57	66.34	104.32	-37.98	peak
4	5929.072	3.78	54.94	58.72	68.20	-9.48	peak

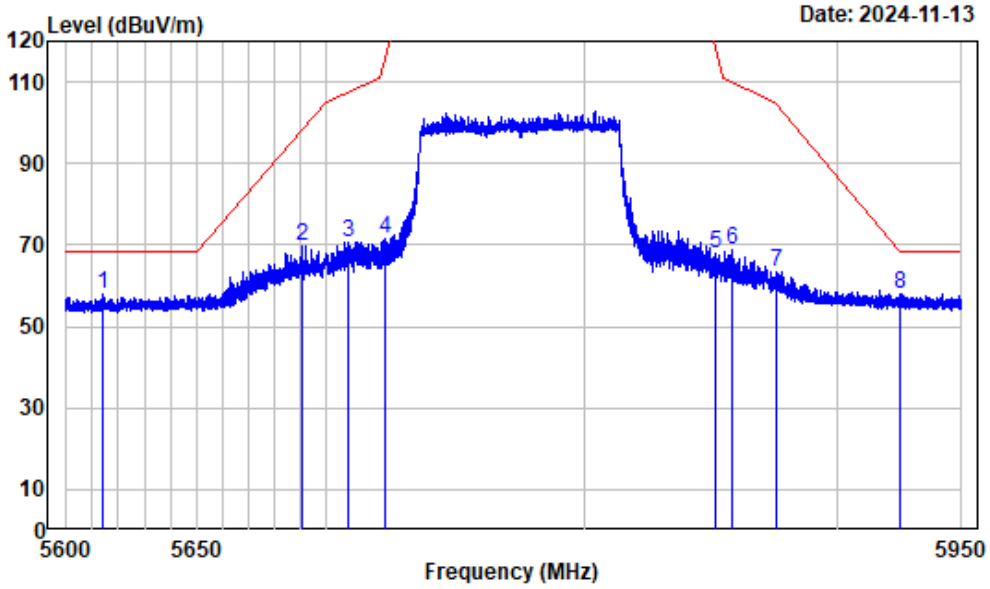
Band edge_Horizontal -5775



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5645.112	3.23	58.60	61.83	68.20	-6.37	peak
2	5696.743	3.44	70.61	74.05	102.80	-28.75	peak
3	5718.490	3.48	74.32	77.80	110.38	-32.58	peak
4	5722.865	3.48	74.02	77.50	117.33	-39.83	peak
5	5854.307	3.70	69.01	72.71	112.38	-39.67	peak
6	5856.713	3.71	68.08	71.79	110.32	-38.53	peak
7	5875.528	3.77	63.78	67.55	104.81	-37.26	peak
8	5926.328	3.79	55.48	59.27	68.20	-8.93	peak

Band edge_Vertical -5775



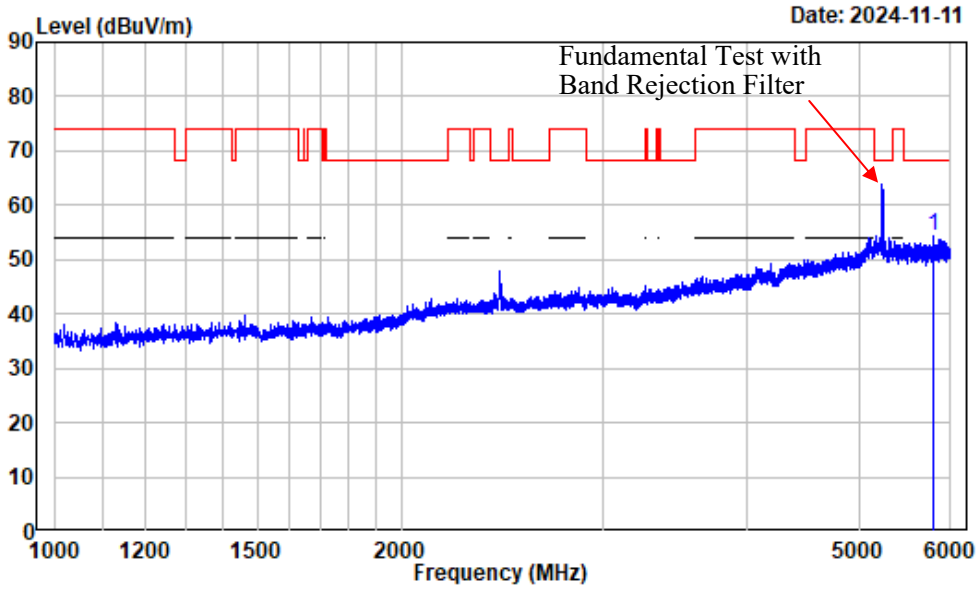
Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5614.221	2.99	54.75	57.74	68.20	-10.46	peak
2	5690.136	3.41	66.47	69.88	97.93	-28.05	peak
3	5707.901	3.46	67.38	70.84	107.41	-36.57	peak
4	5722.690	3.49	68.24	71.73	116.94	-45.21	peak
5	5852.075	3.69	64.03	67.72	117.47	-49.75	peak
6	5858.639	3.71	65.26	68.97	109.78	-40.81	peak
7	5875.834	3.77	59.67	63.44	104.58	-41.14	peak
8	5925.278	3.79	54.18	57.97	68.20	-10.23	peak

Band1

1-18GHz Worst case harmonic plots:

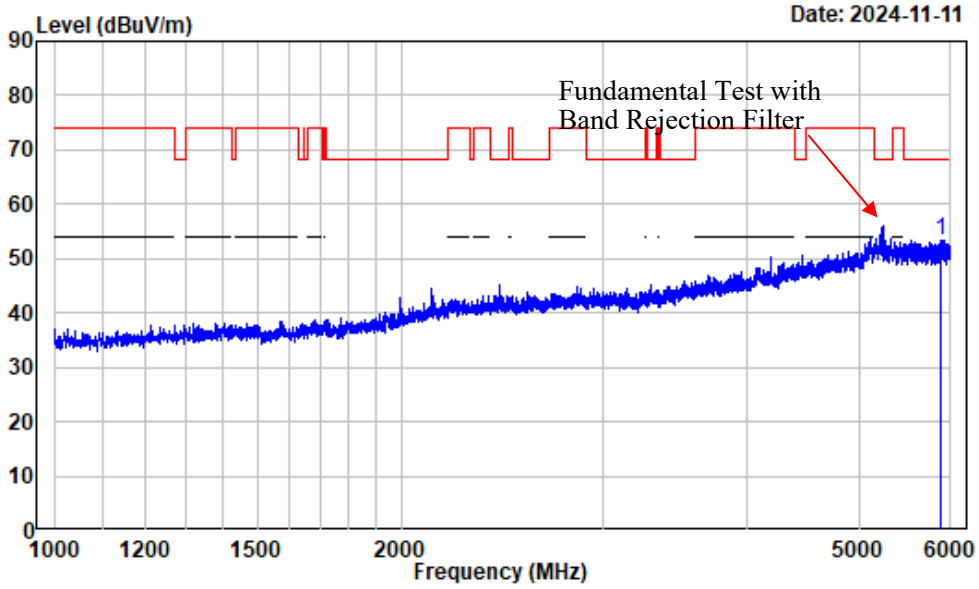
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5788.724	3.35	50.91	54.26	68.20	-13.94	Peak

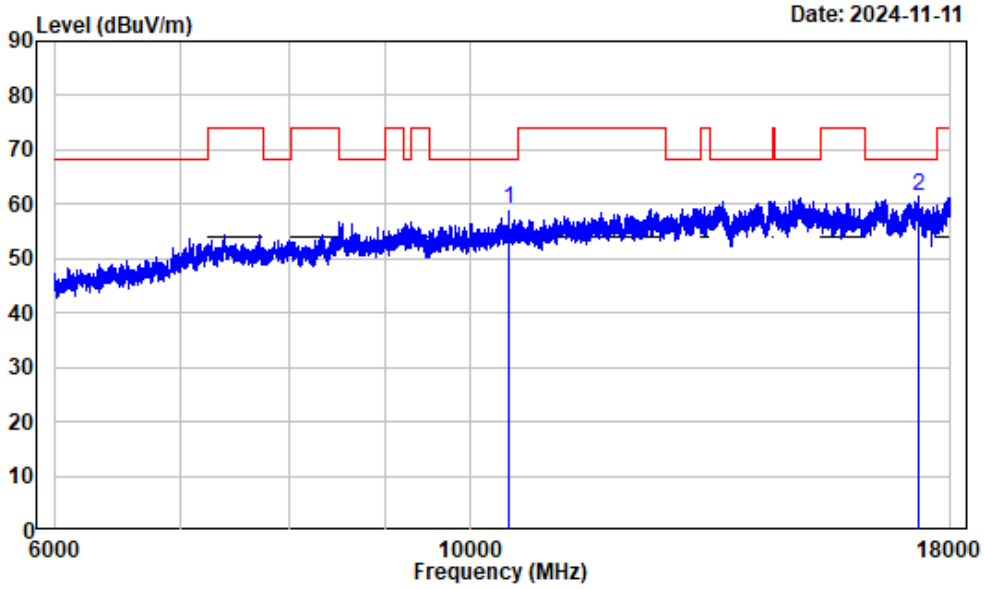
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5875.609	3.77	49.68	53.45	68.20	-14.75	Peak

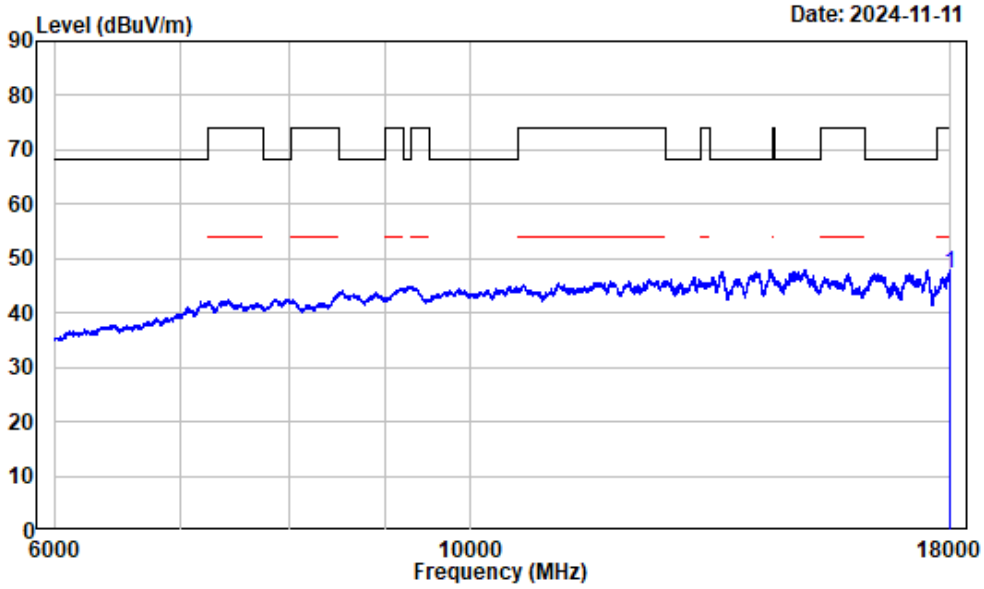
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	46.12	59.19	68.20	-9.01	Peak
2	17294.910	19.31	42.01	61.32	68.20	-6.88	Peak

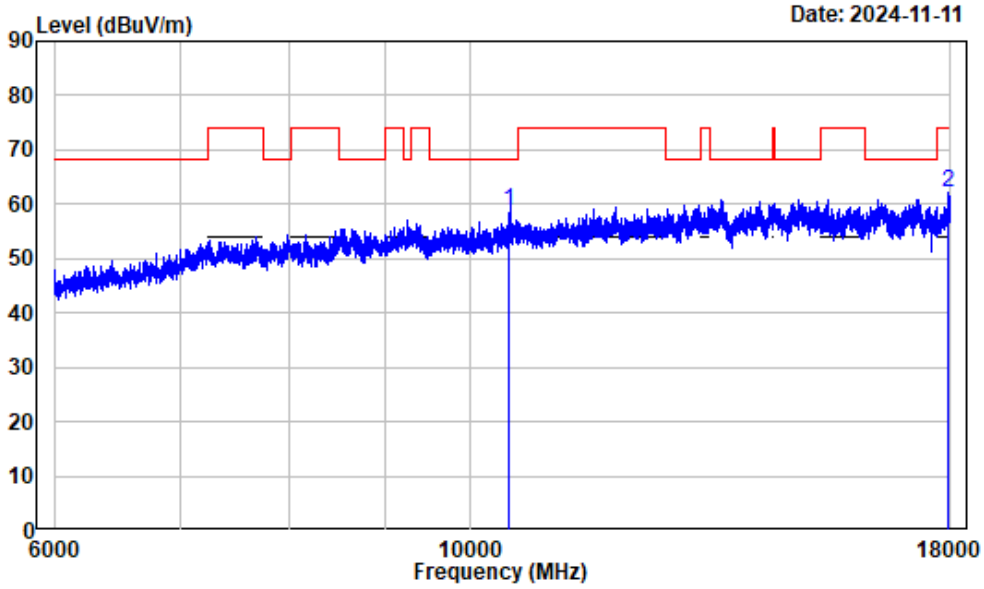
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.60	47.22	54.00	-6.78	Average

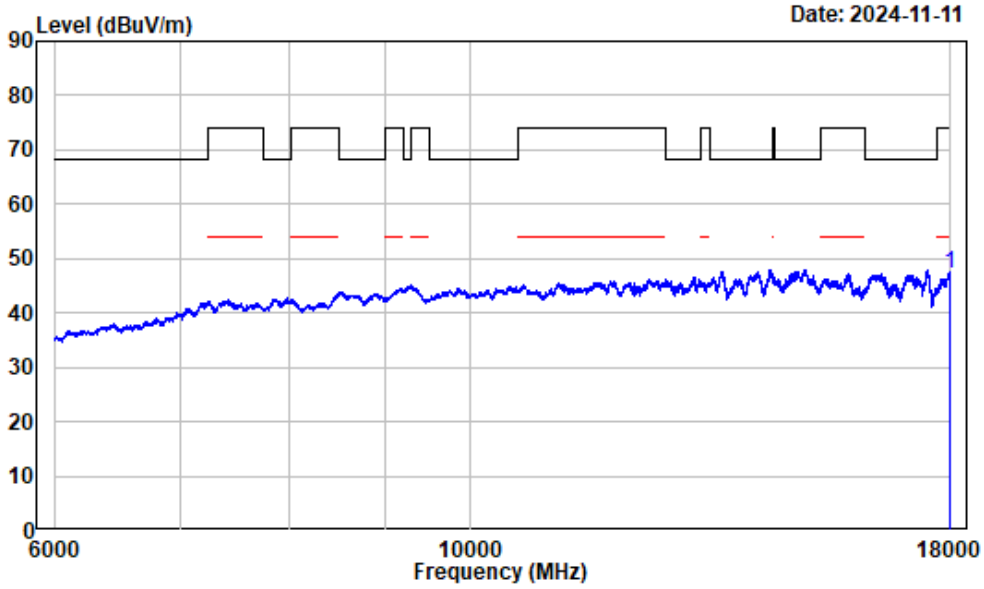
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	45.78	58.85	68.20	-9.35	Peak
2	17948.990	24.25	37.95	62.20	74.00	-11.80	Peak

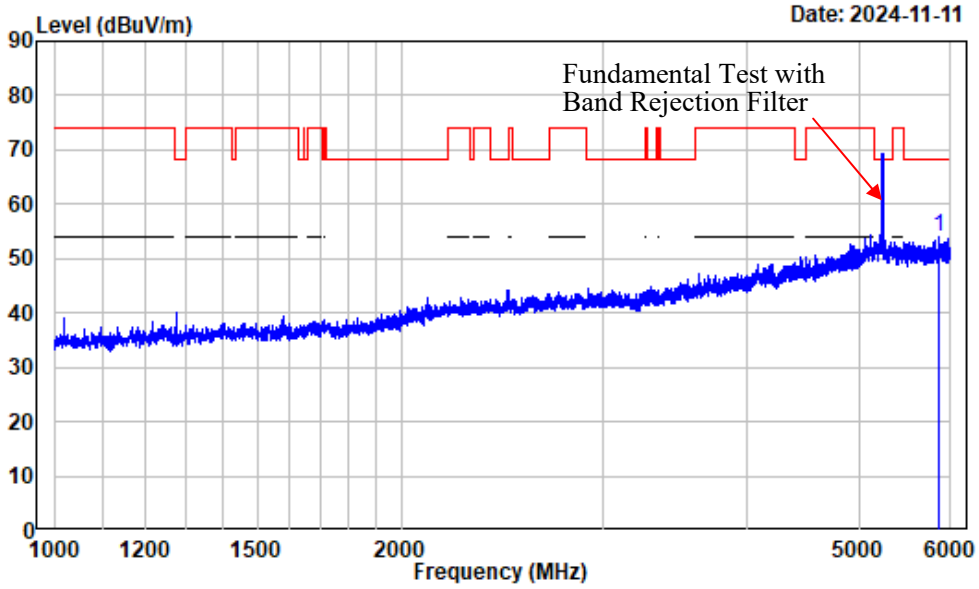
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.71	47.33	54.00	-6.67	Average

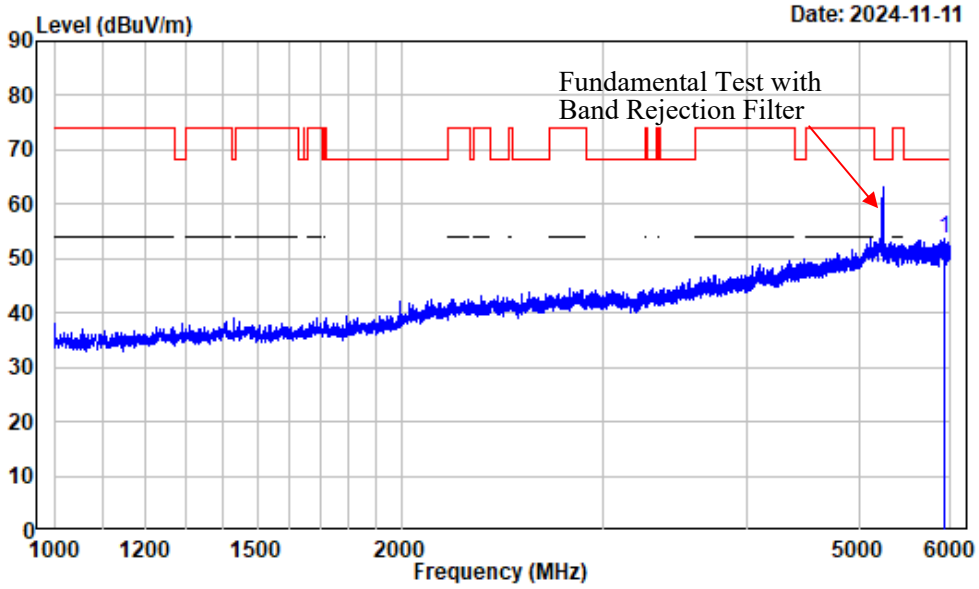
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5871.859	3.76	50.18	53.94	68.20	-14.26	Peak

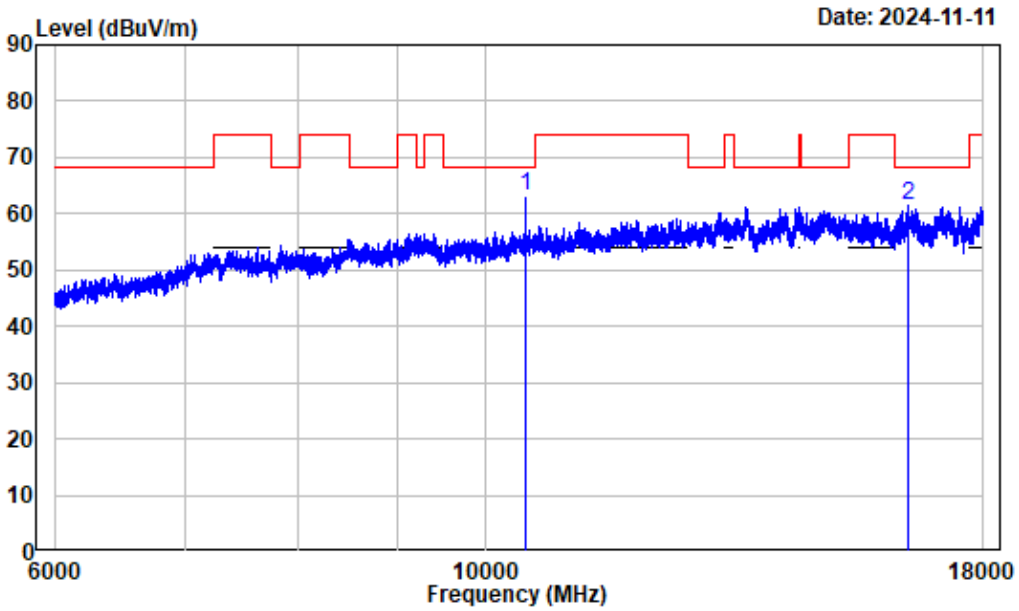
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5923.115	3.79	49.71	53.50	68.20	-14.70	Peak

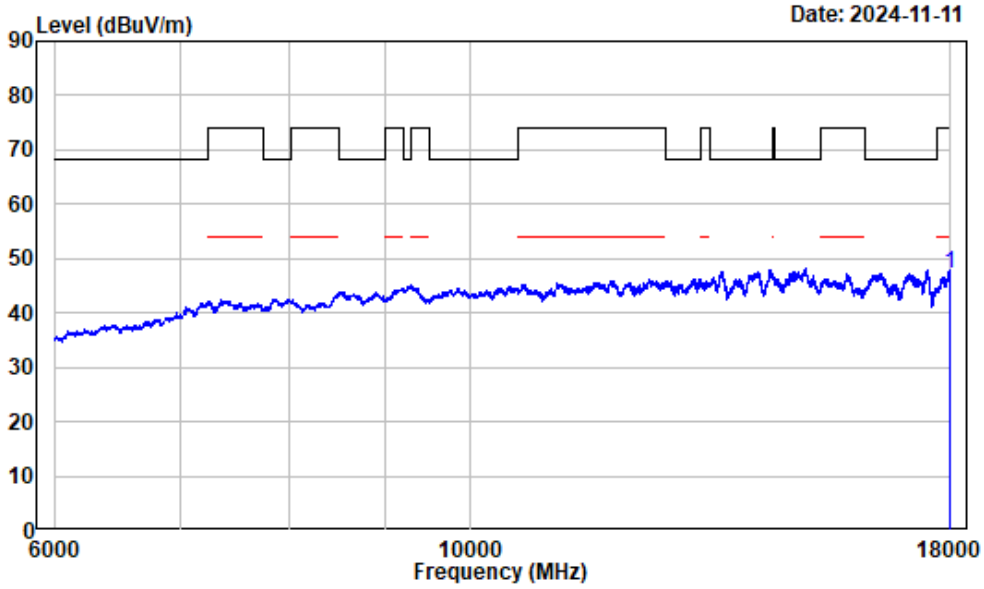
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	50.13	63.20	68.20	-5.00	Peak
2	16466.810	15.63	45.93	61.56	68.20	-6.64	Peak

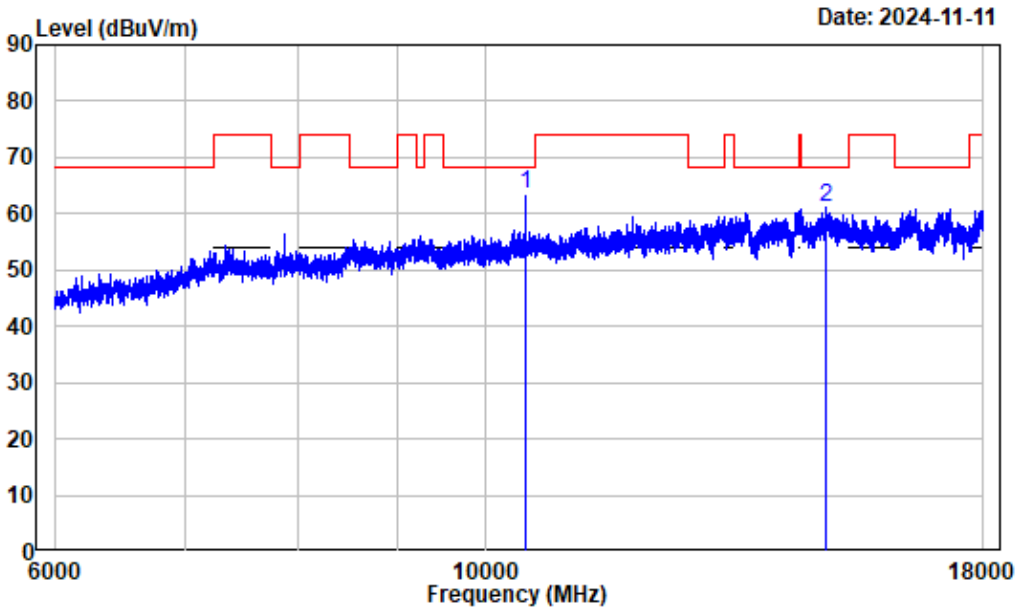
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.60	47.22	54.00	-6.78	Average

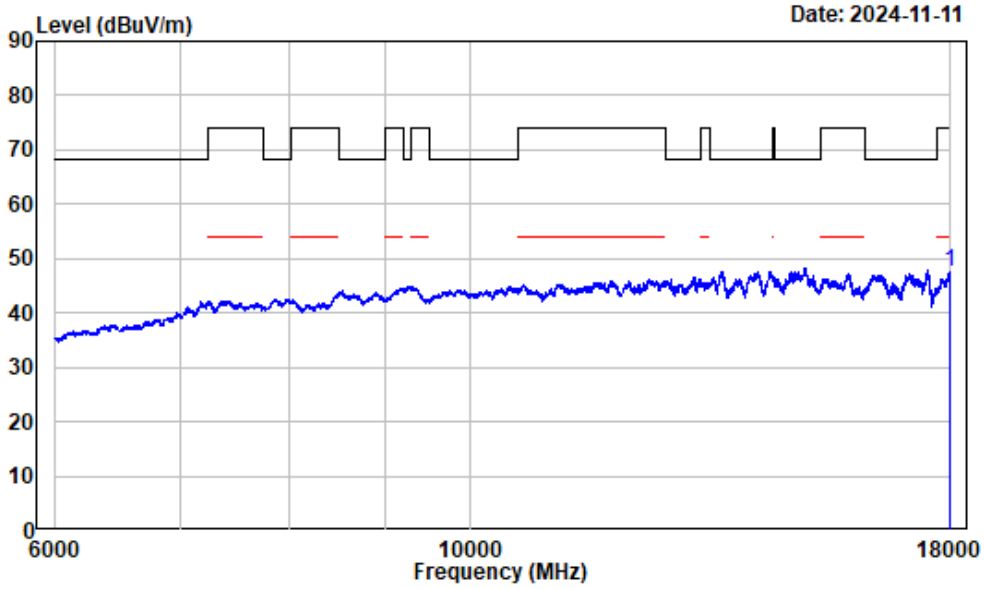
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	50.31	63.38	68.20	-4.82	Peak
2	14927.620	16.51	44.52	61.03	68.20	-7.17	Peak

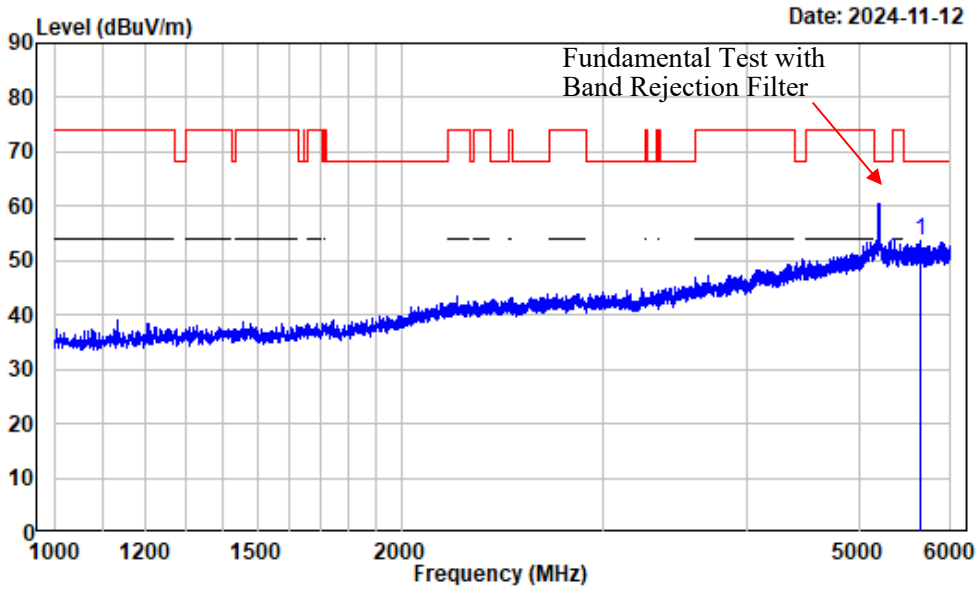
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	23.01	47.63	54.00	-6.37	Average

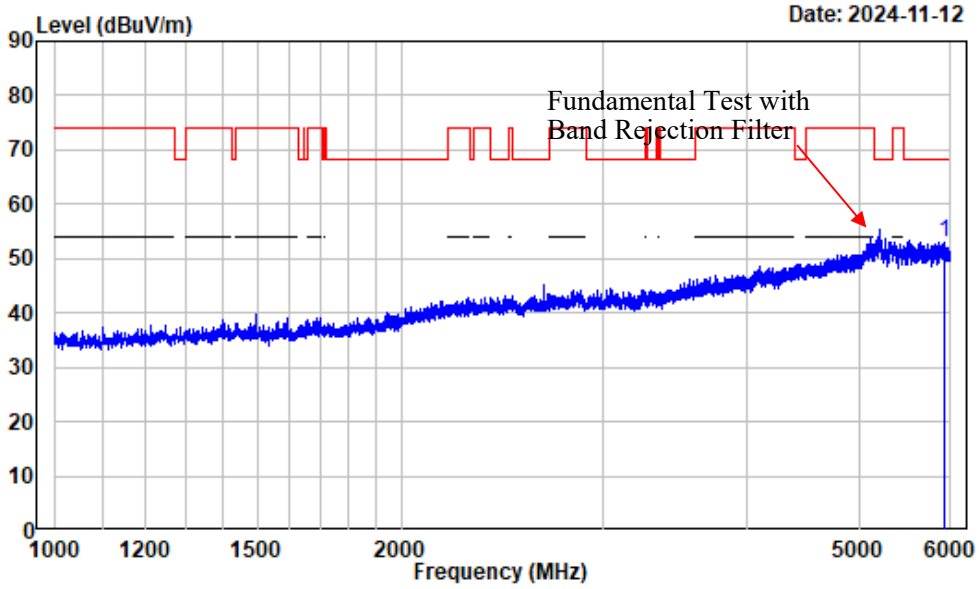
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5649.331	3.27	50.40	53.67	68.20	-14.53	Peak

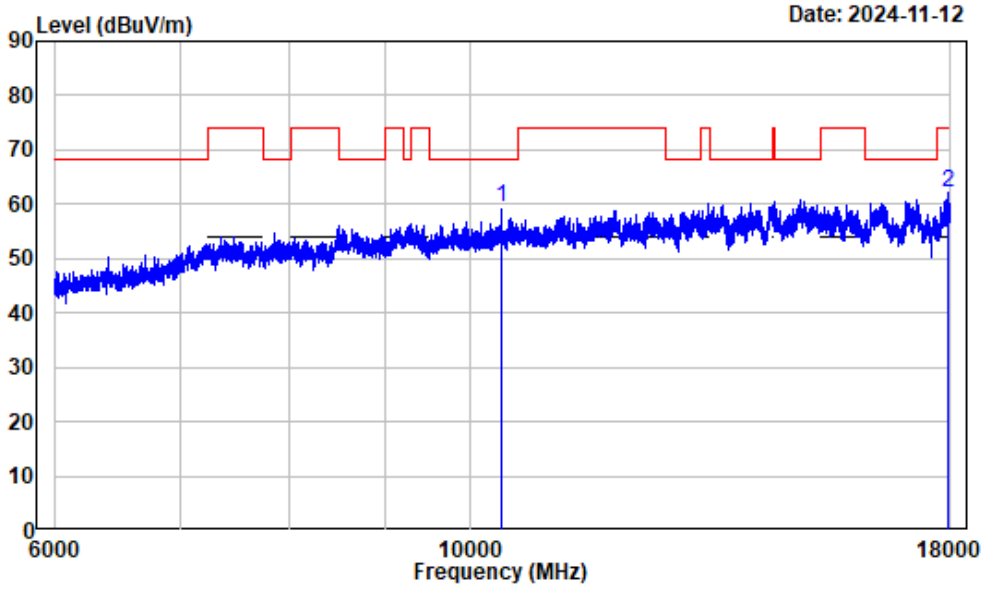
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5923.740	3.79	49.23	53.02	68.20	-15.18	Peak

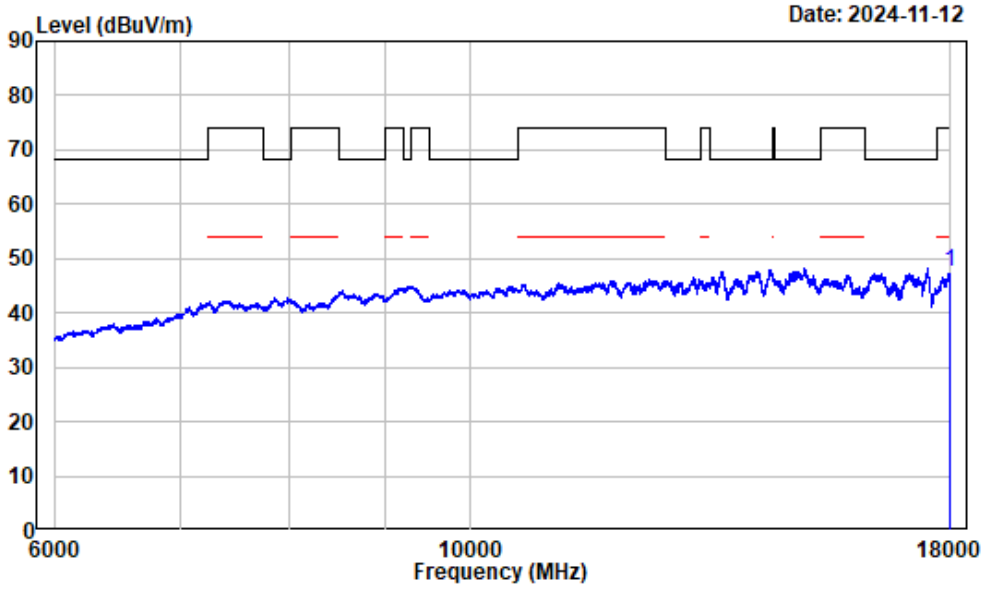
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_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	46.19	59.28	68.20	-8.92	Peak
2	17947.490	24.24	38.03	62.27	74.00	-11.73	Peak

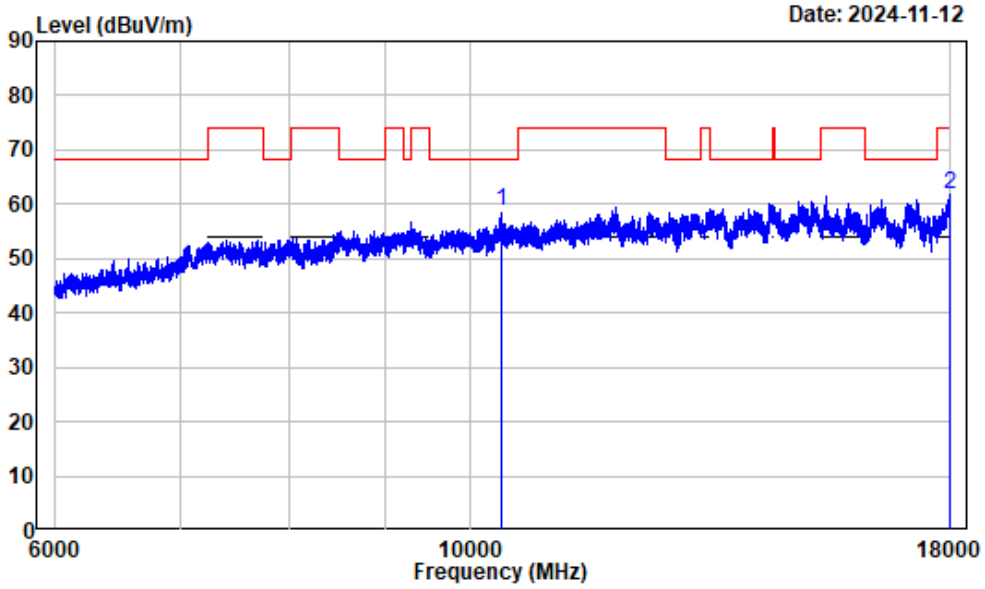
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.79	47.41	54.00	-6.59	Average

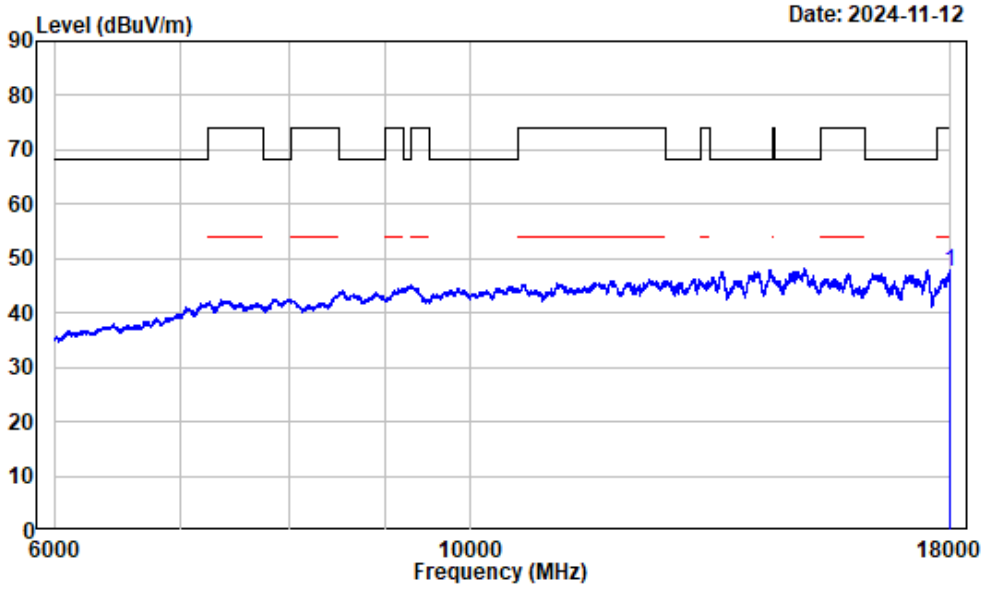
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_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	45.55	58.64	68.20	-9.56	Peak
2	17998.500	24.61	37.37	61.98	74.00	-12.02	Peak

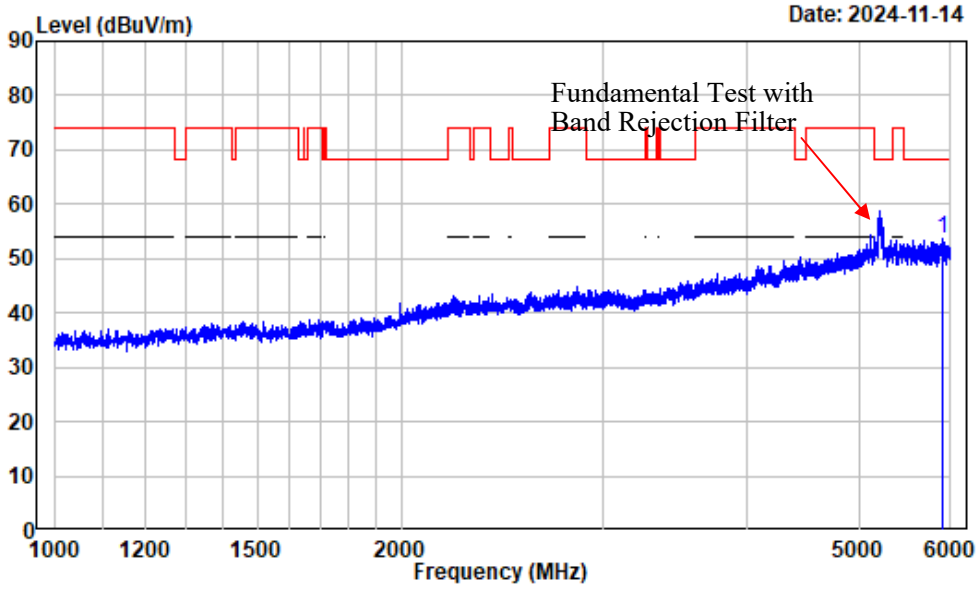
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.98	47.60	54.00	-6.40	Average

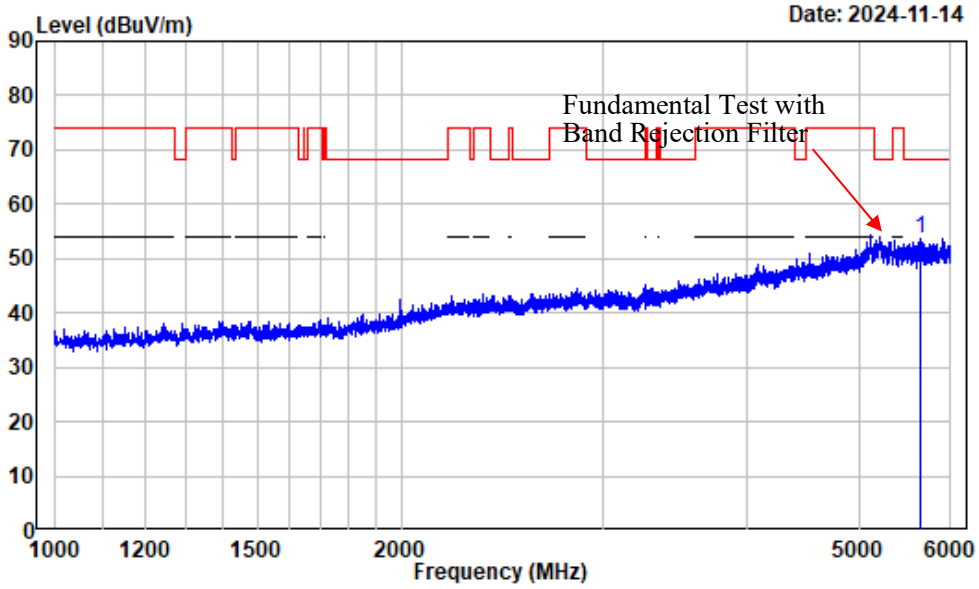
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5913.114	3.82	49.85	53.67	68.20	-14.53	Peak

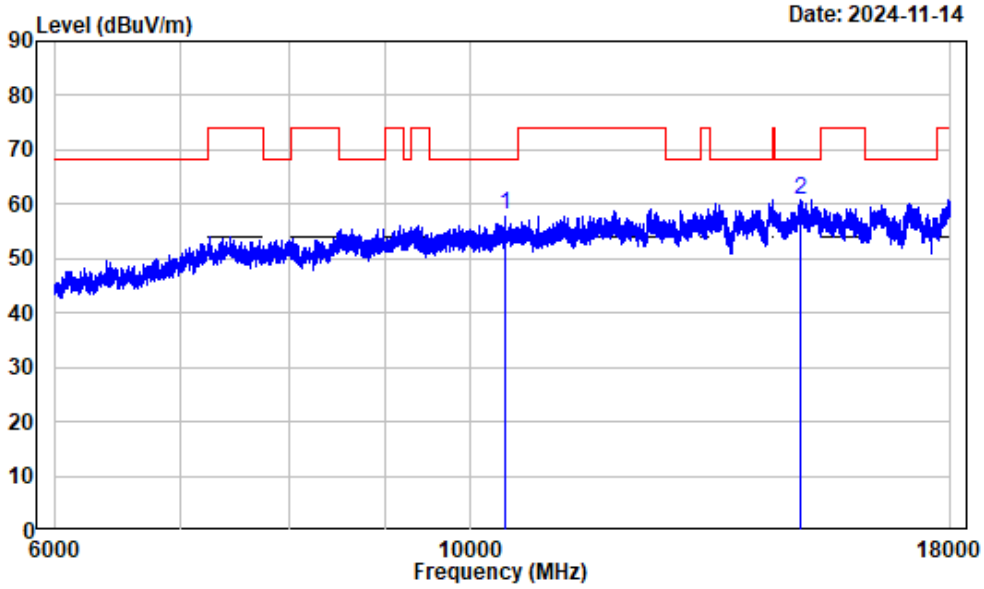
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5648.081	3.25	50.57	53.82	68.20	-14.38	Peak

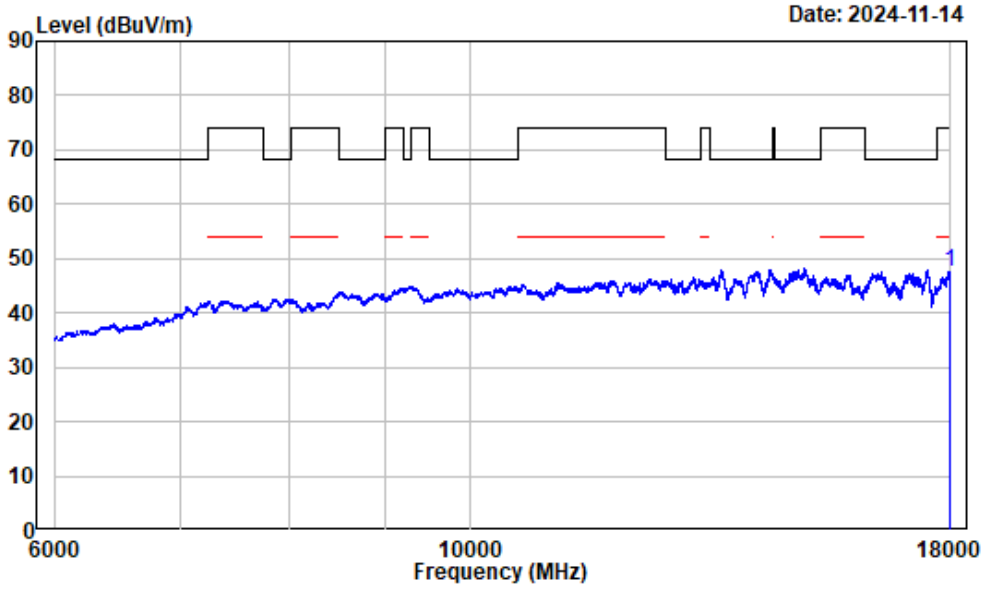
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	44.82	57.94	68.20	-10.26	Peak
2	14966.620	16.40	44.46	60.86	68.20	-7.34	Peak

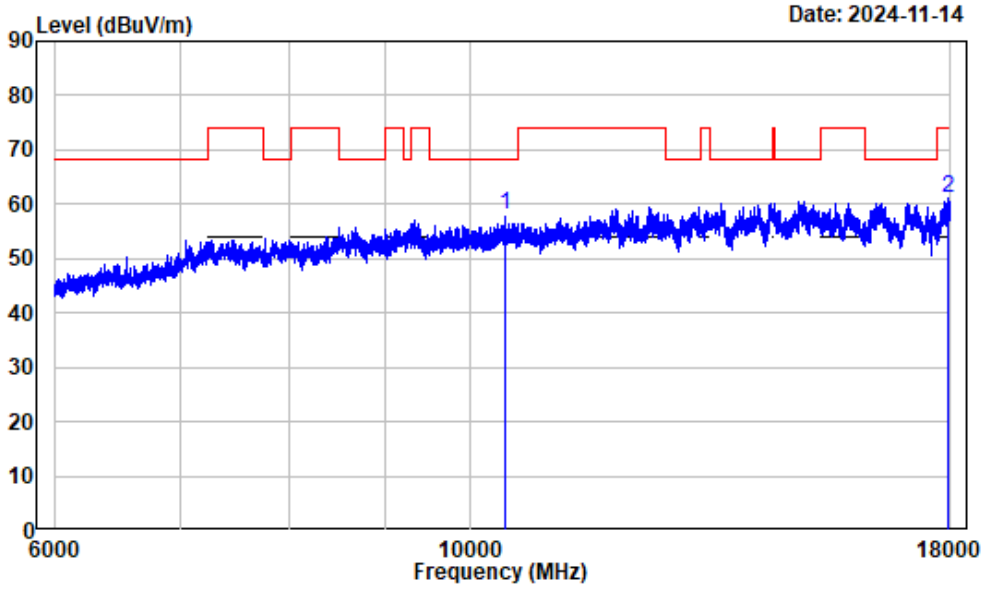
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.78	47.40	54.00	-6.60	Average

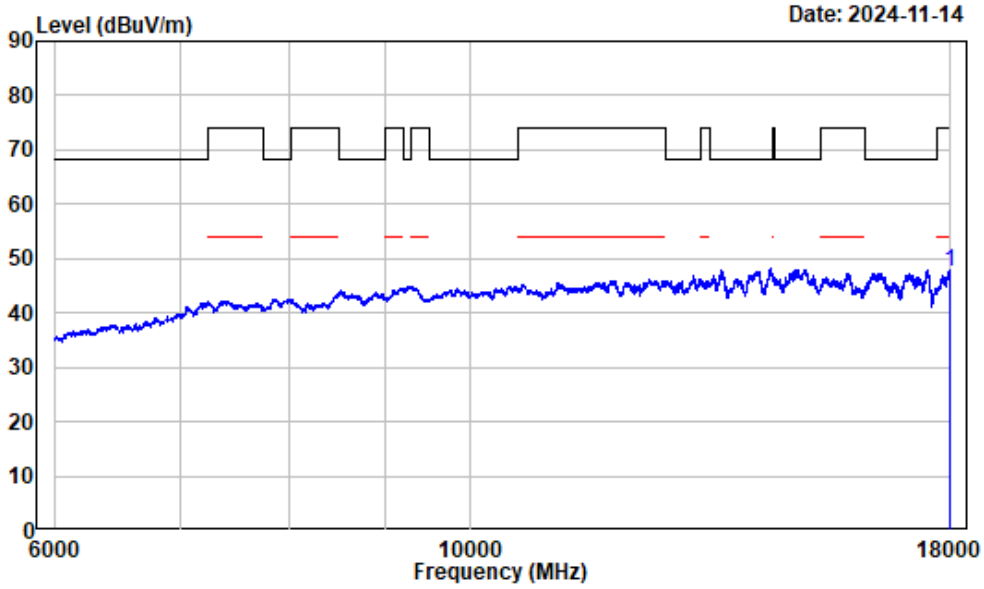
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	45.06	58.18	68.20	-10.02	Peak
2	17954.990	24.30	36.76	61.06	74.00	-12.94	Peak

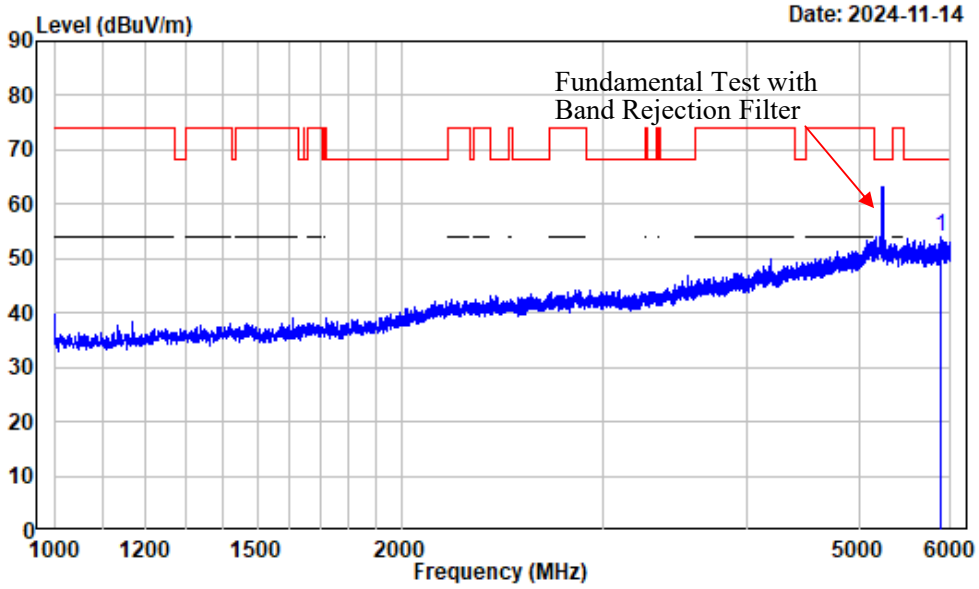
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.96	47.58	54.00	-6.42	Average

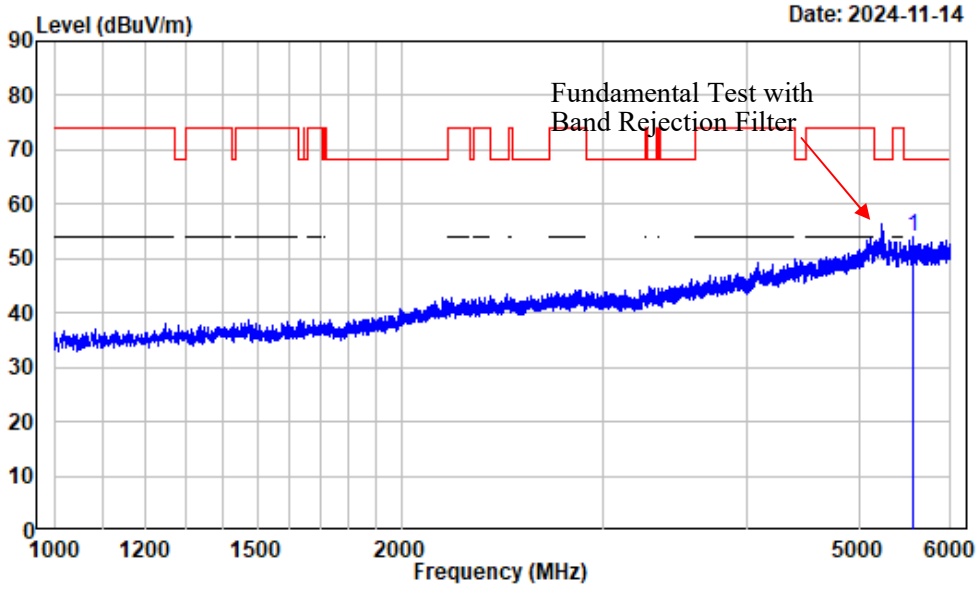
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5881.860	3.79	50.11	53.90	68.20	-14.30	Peak

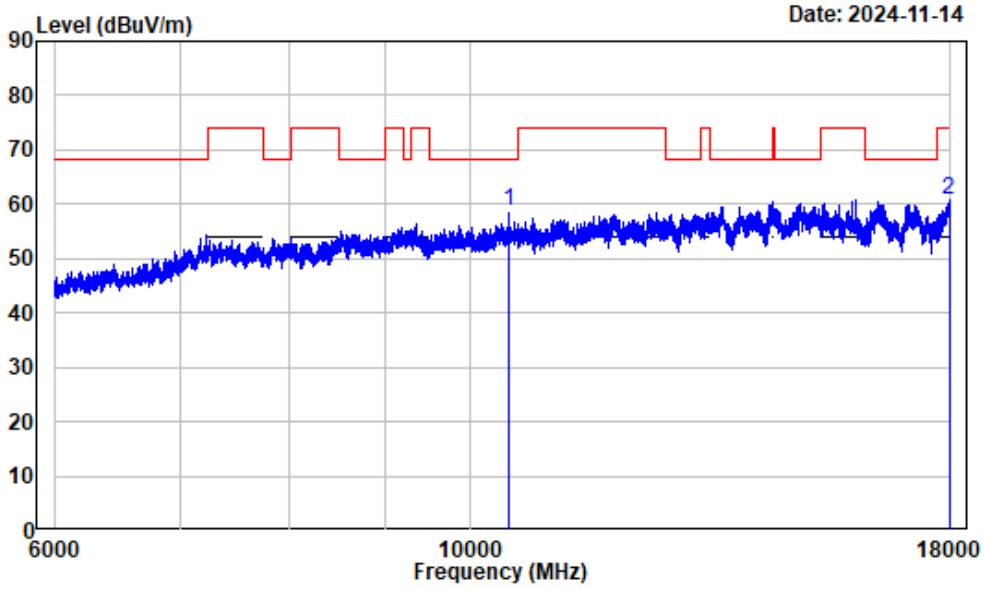
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5576.197	2.91	51.05	53.96	68.20	-14.24	Peak

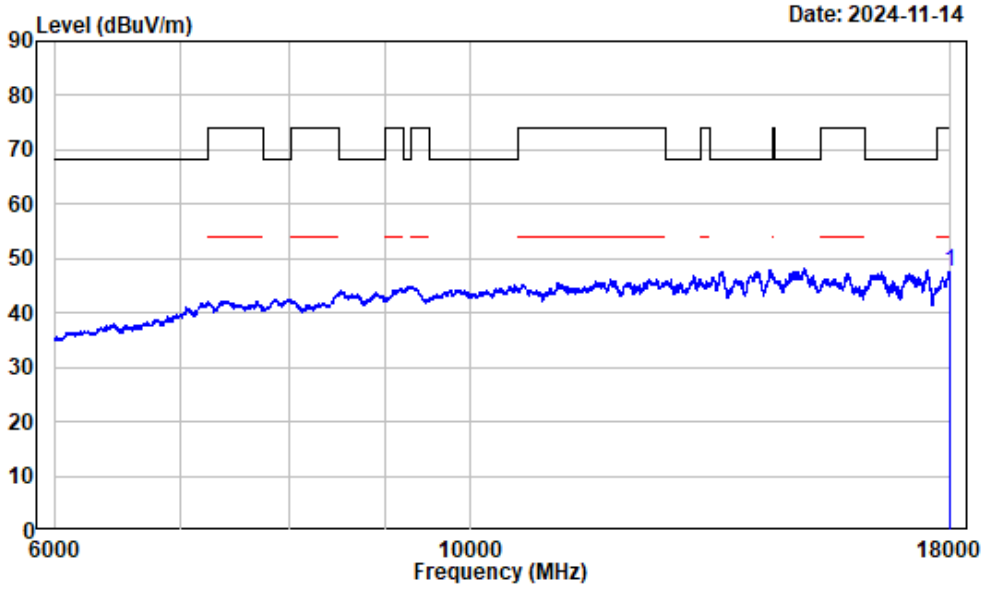
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	45.72	58.79	68.20	-9.41	Peak
2	17968.500	24.40	36.52	60.92	74.00	-13.08	Peak

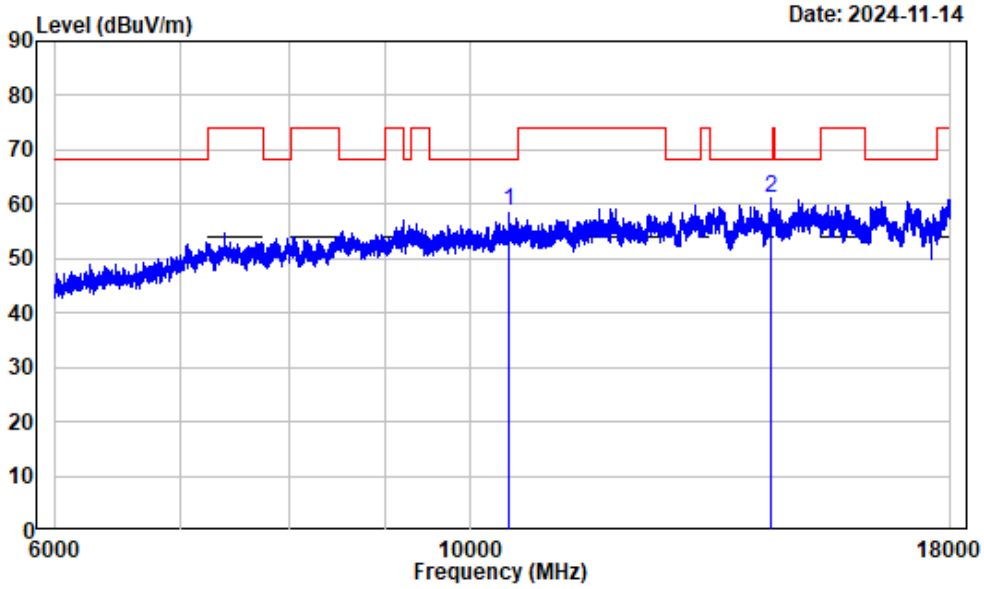
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.90	47.52	54.00	-6.48	Average

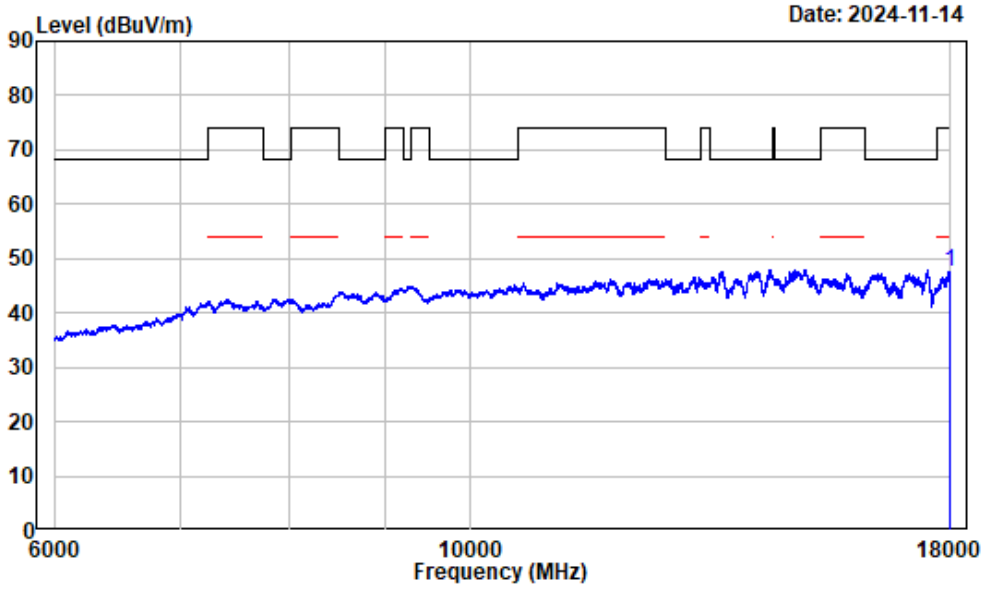
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	45.79	58.86	68.20	-9.34	Peak
2	14437.050	17.33	43.91	61.24	68.20	-6.96	Peak

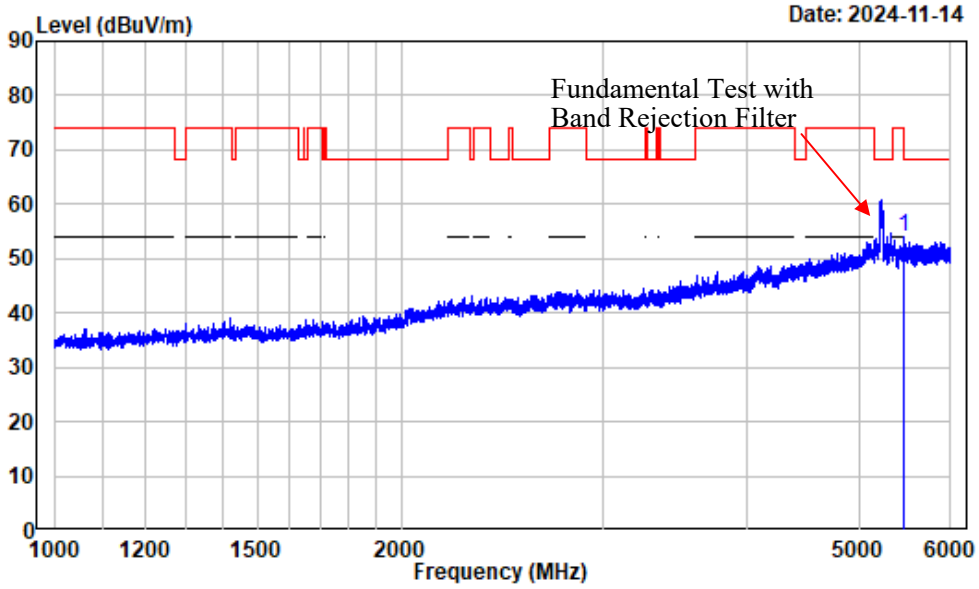
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.85	47.47	54.00	-6.53	Average

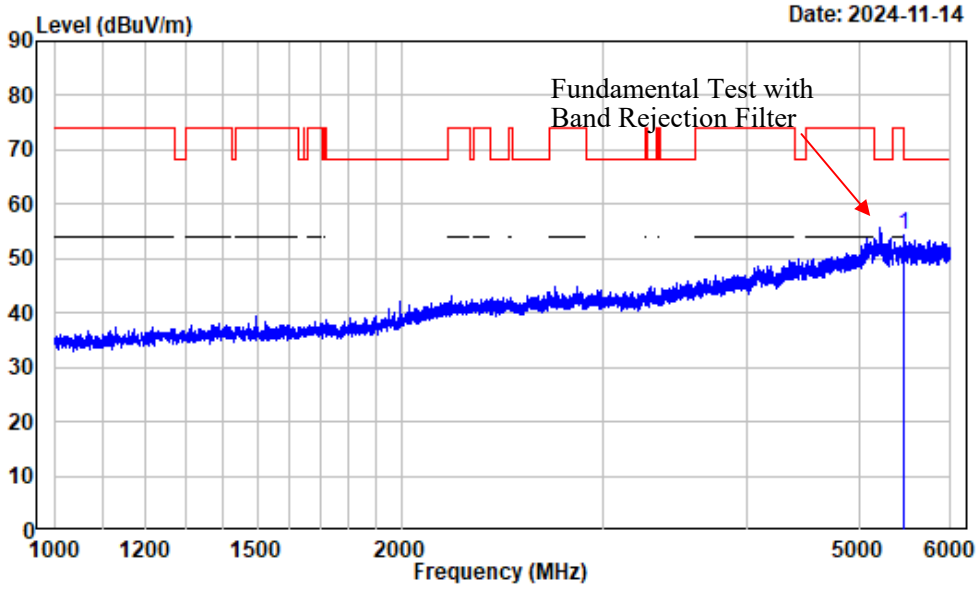
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5466.183	3.06	51.04	54.10	68.20	-14.10	Peak

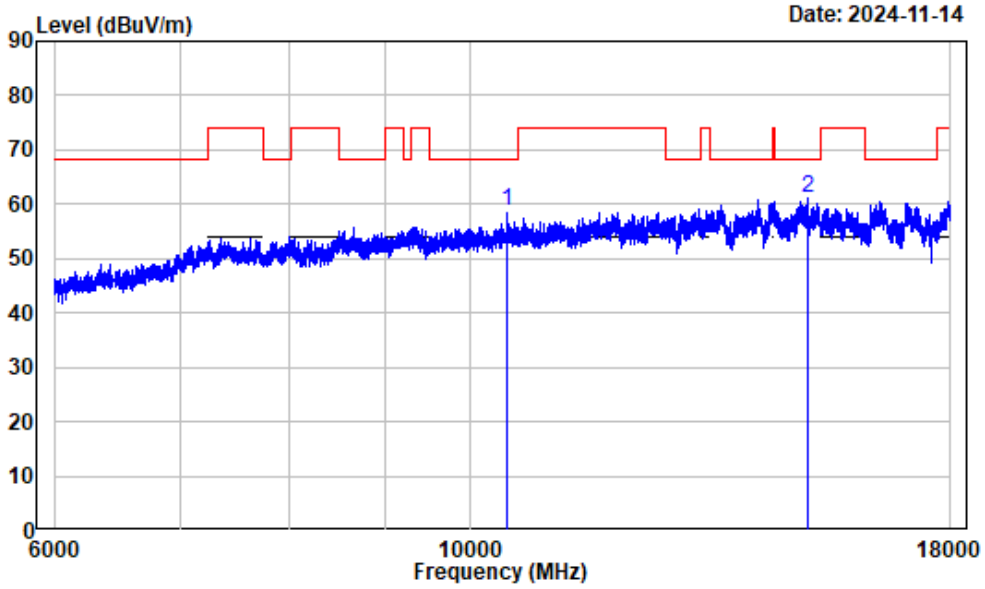
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5474.935	3.05	51.22	54.27	68.20	-13.93	Peak

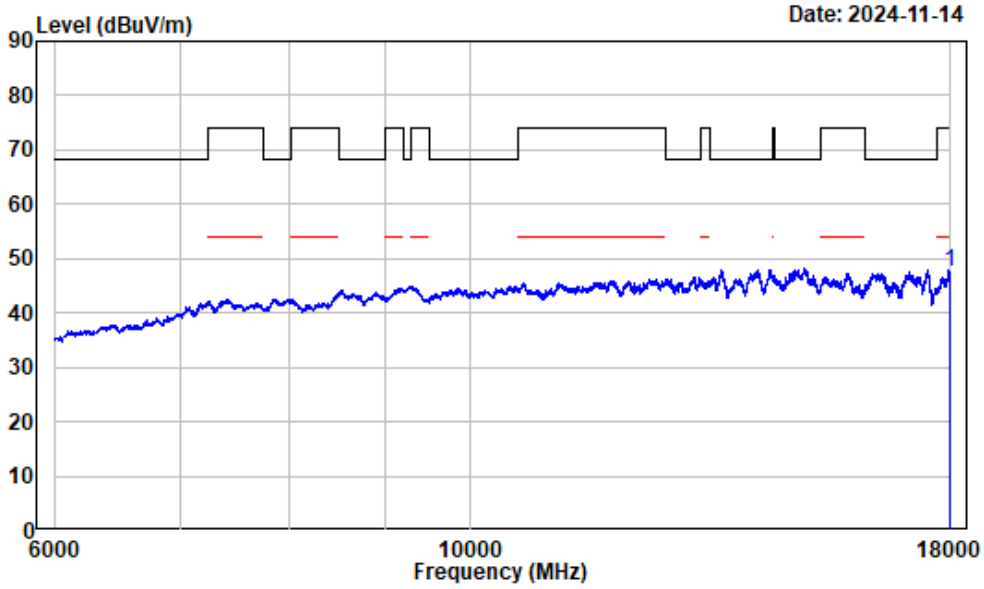
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	13.09	45.55	58.64	68.20	-9.56	Peak
2	15101.640	15.85	45.13	60.98	68.20	-7.22	Peak

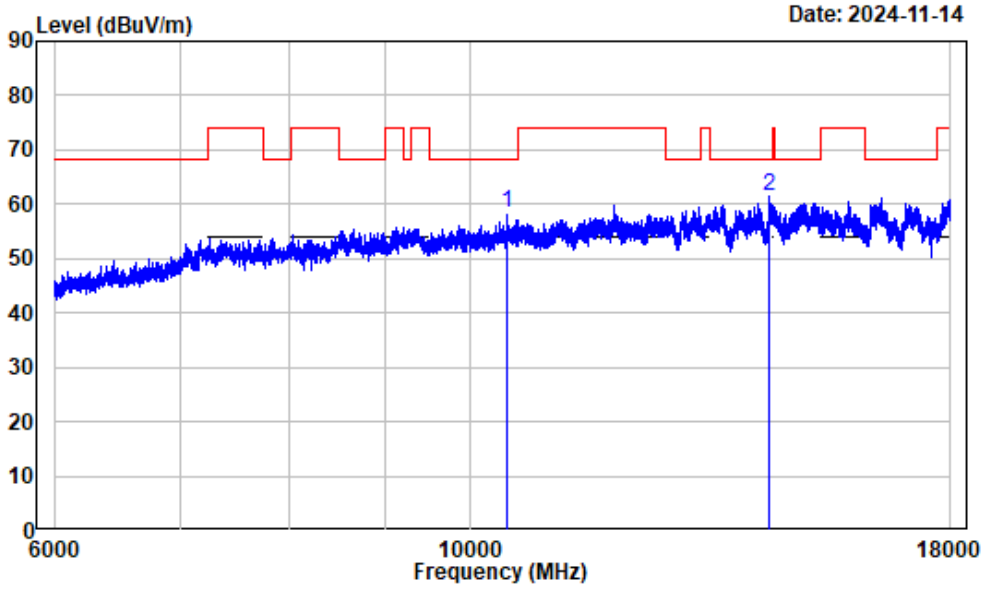
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.92	47.54	54.00	-6.46	Average

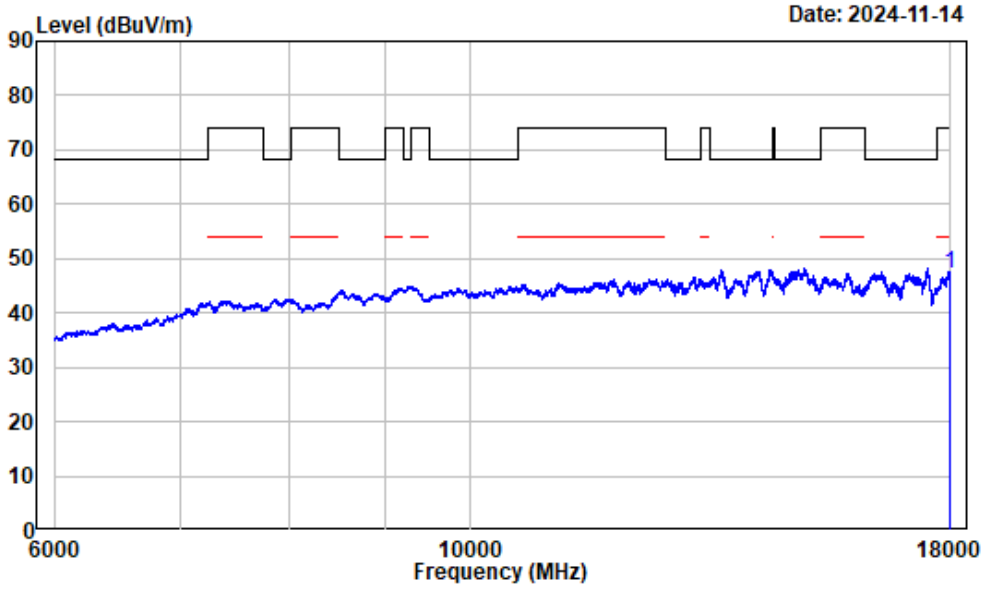
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	13.09	45.36	58.45	68.20	-9.75	Peak
2	14405.550	17.25	44.20	61.45	68.20	-6.75	Peak

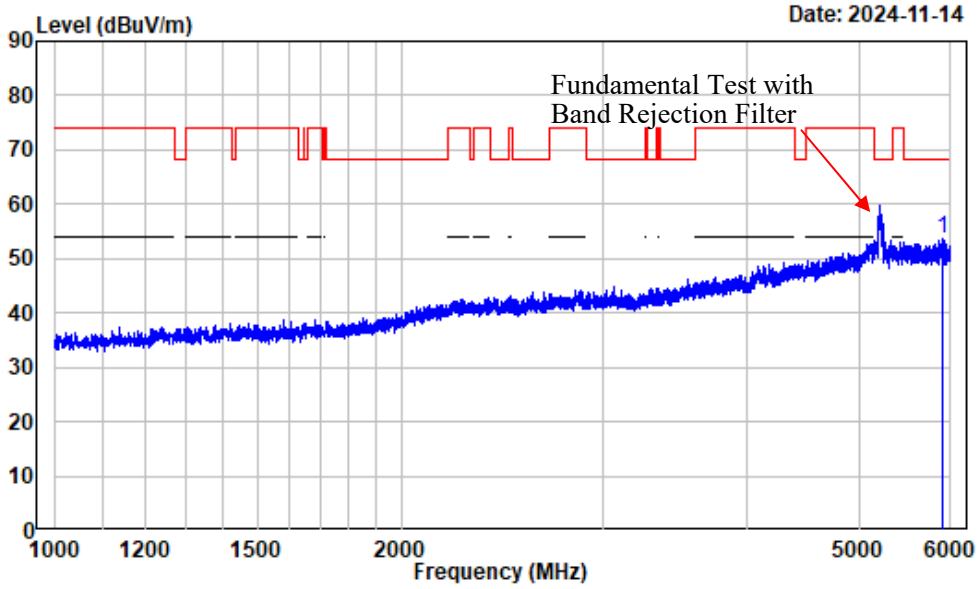
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX40_5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.67	47.29	54.00	-6.71	Average

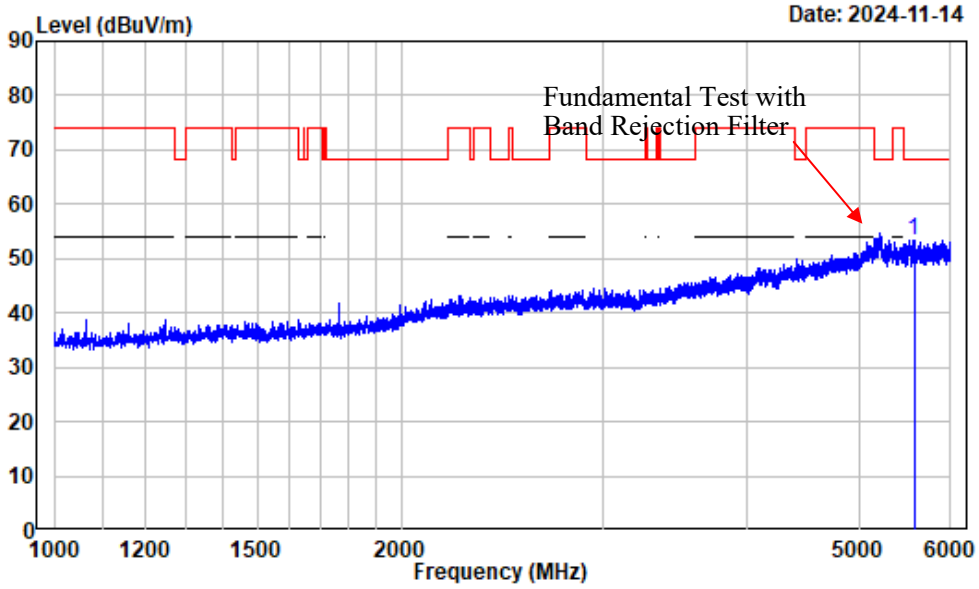
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5916.240	3.82	49.86	53.68	68.20	-14.52	Peak

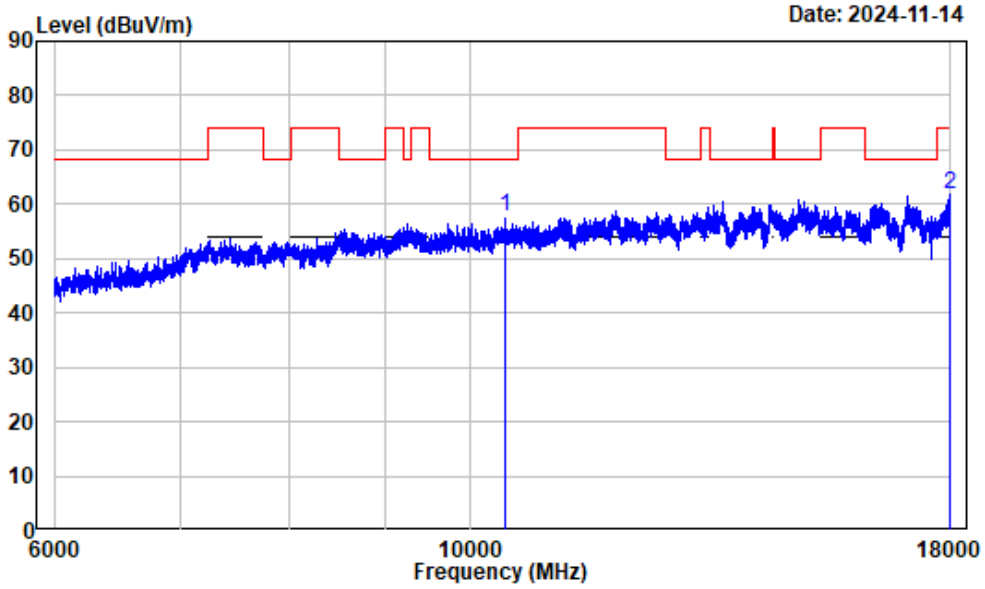
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5578.072	2.90	50.58	53.48	68.20	-14.72	Peak

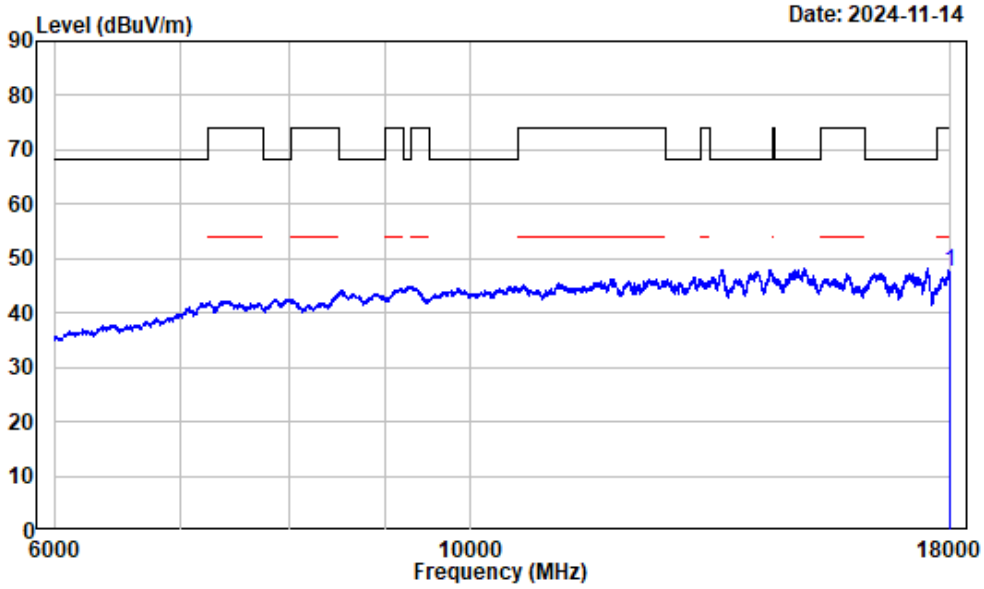
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	44.58	57.70	68.20	-10.50	Peak
2	17971.500	24.42	37.25	61.67	74.00	-12.33	Peak

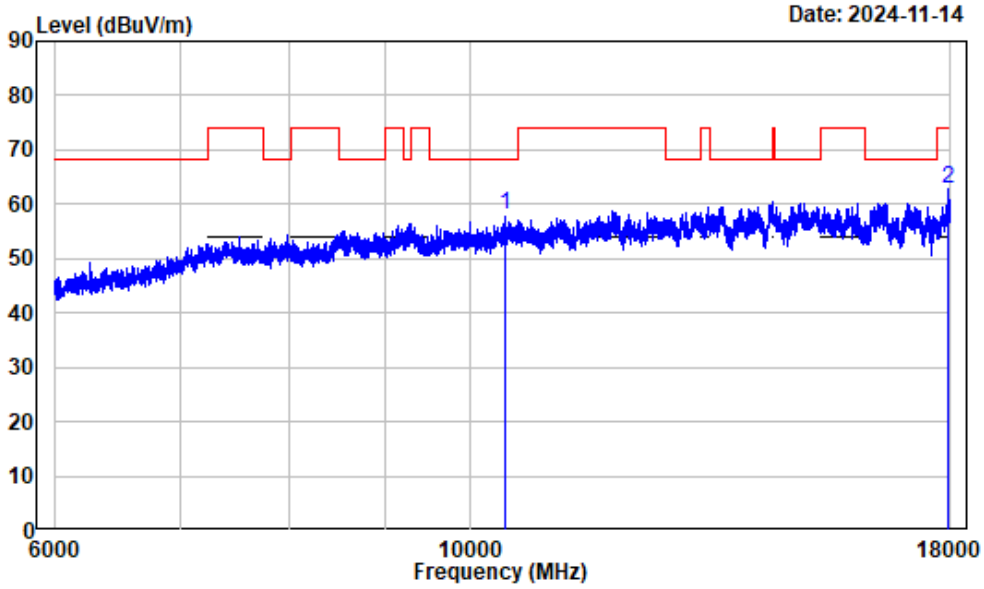
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.92	47.54	54.00	-6.46	Average

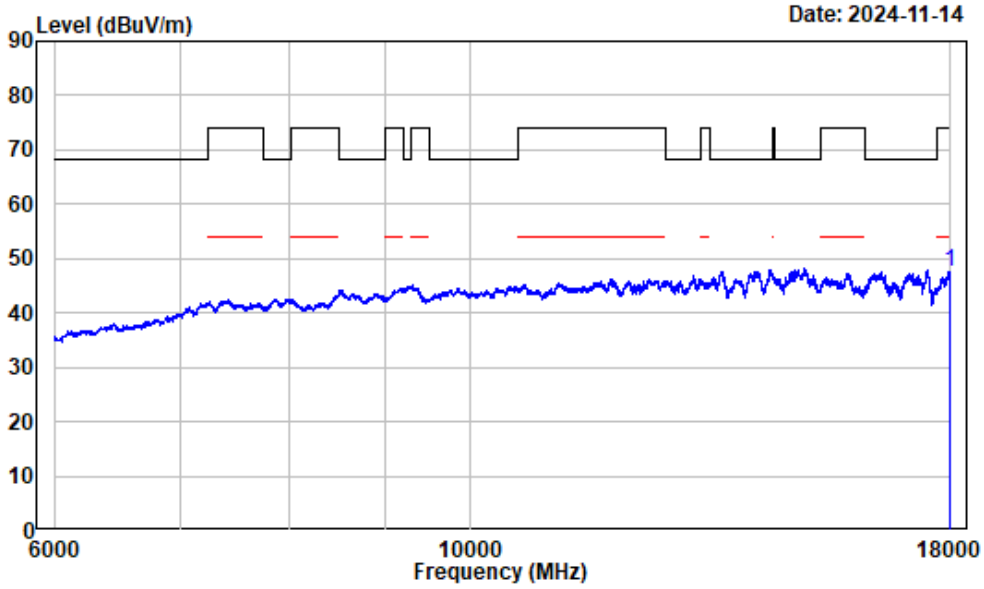
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	44.96	58.08	68.20	-10.12	Peak
2	17947.490	24.24	38.45	62.69	74.00	-11.31	Peak

6-18GHz_Vertical_Average

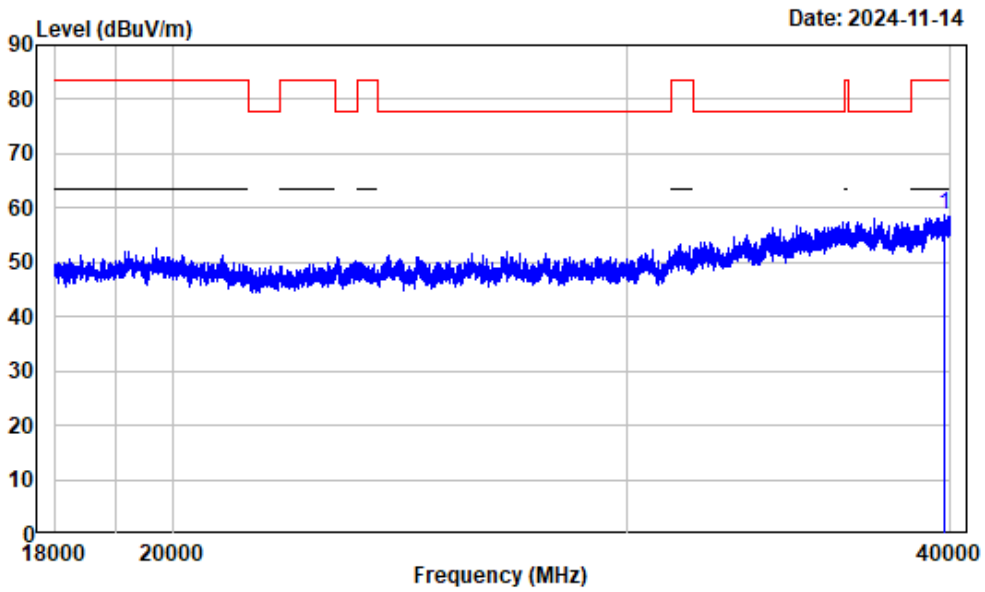


Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AX80_5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.89	47.51	54.00	-6.49	Average

18-40GHz Worst case emission plots:

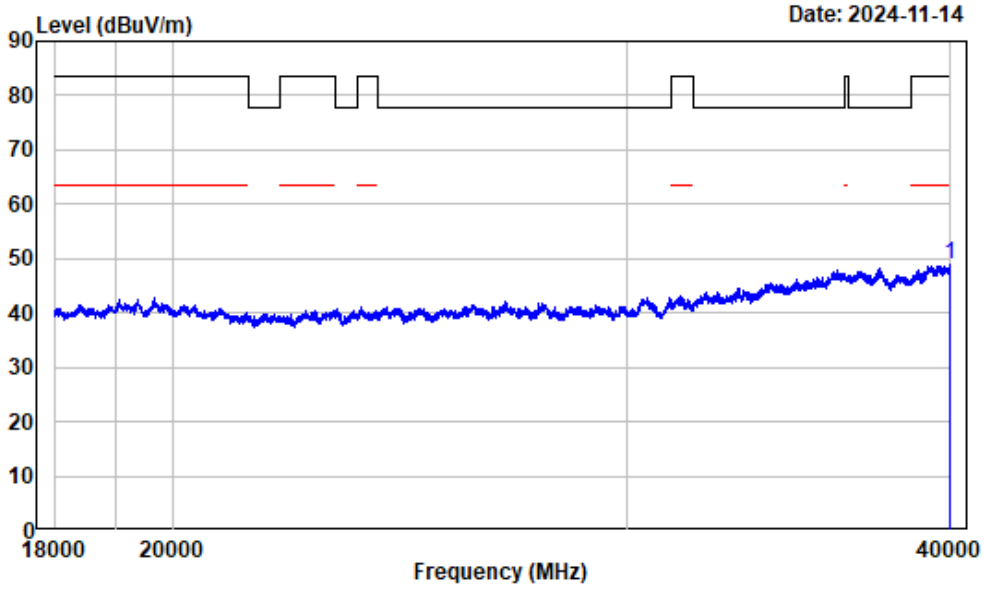
18-40GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39810.230	22.50	36.23	58.73	83.50	-24.77	Peak

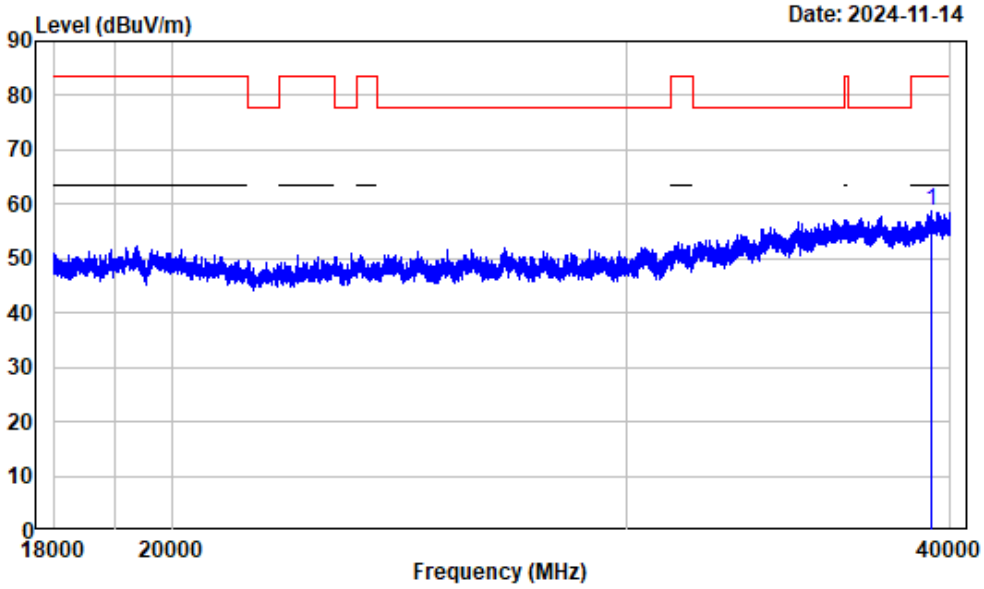
18-40GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39989.000	22.59	26.33	48.92	63.50	-14.58	Average

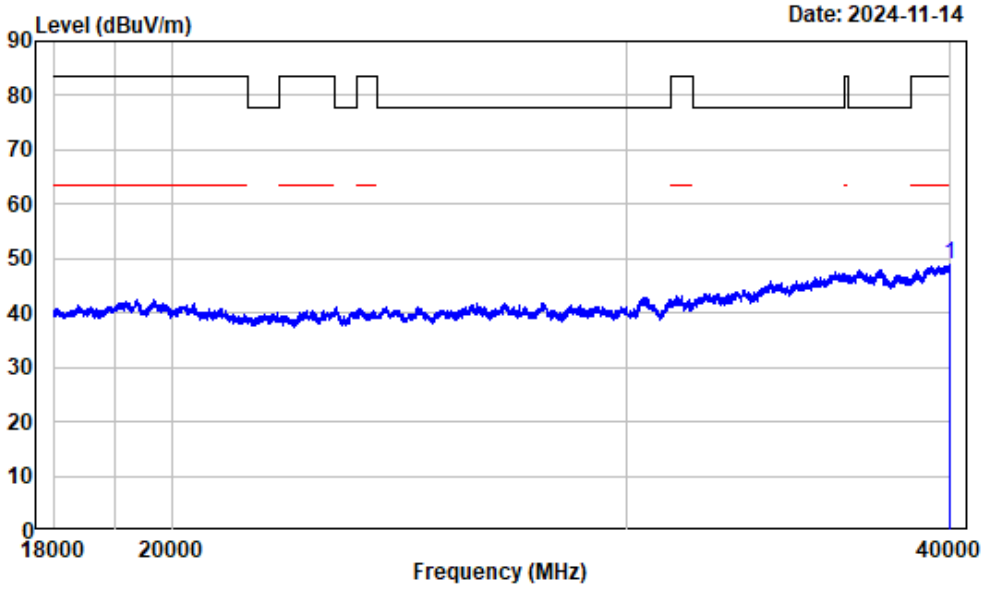
18-40GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39306.910	22.69	36.08	58.77	83.50	-24.73	Peak

18-40GHz_Vertical_Average

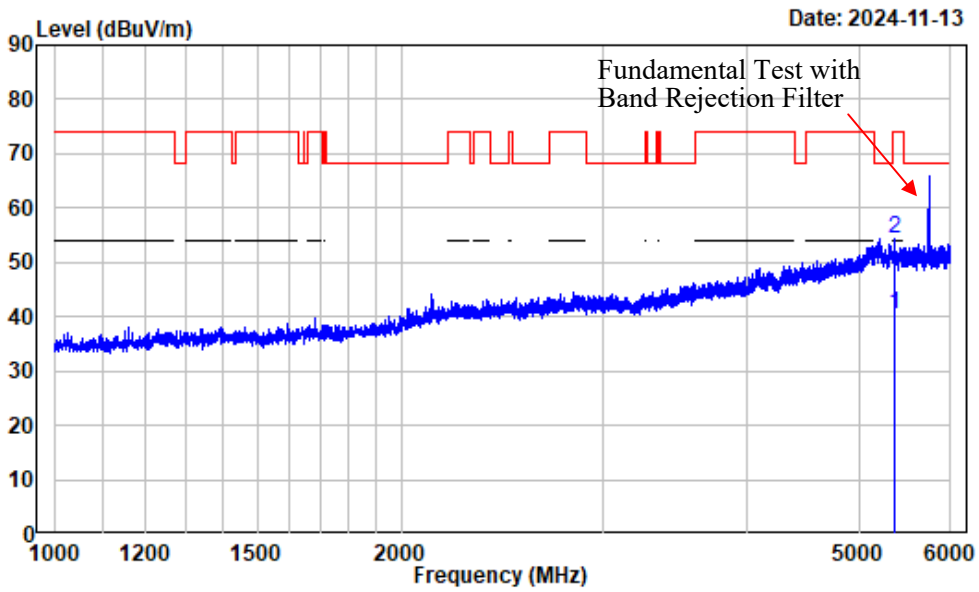


Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC20_5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39994.500	22.60	26.15	48.75	63.50	-14.75	Average

1-18GHz Worst case harmonic plots:

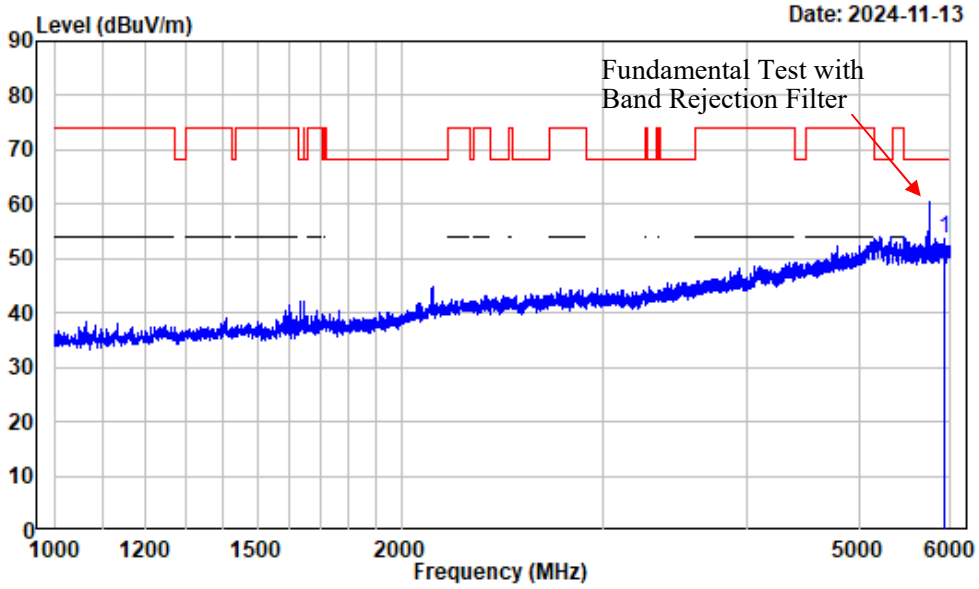
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5366.796	2.93	37.62	40.55	54.00	-13.45	Average
2	5366.796	2.93	51.40	54.33	74.00	-19.67	Peak

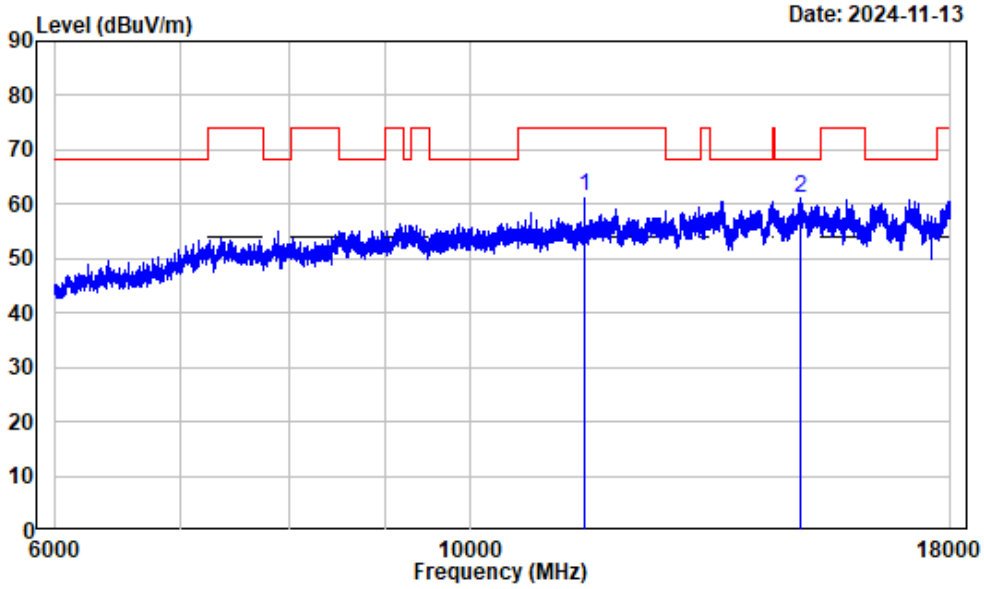
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5921.865	3.81	49.97	53.78	68.20	-14.42	Peak

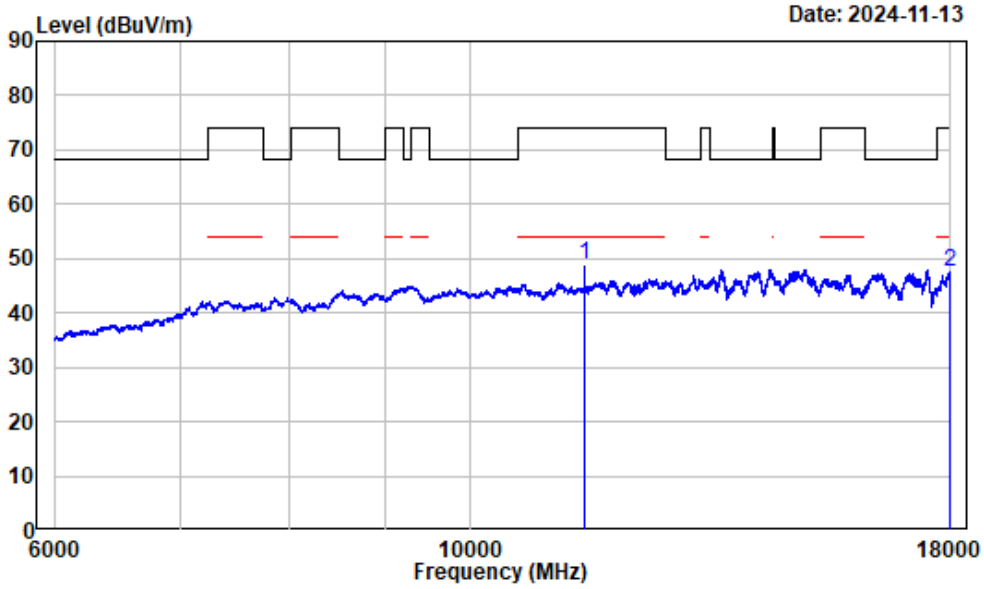
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	47.06	61.37	74.00	-12.63	Peak
2	14966.620	16.40	44.72	61.12	68.20	-7.08	Peak

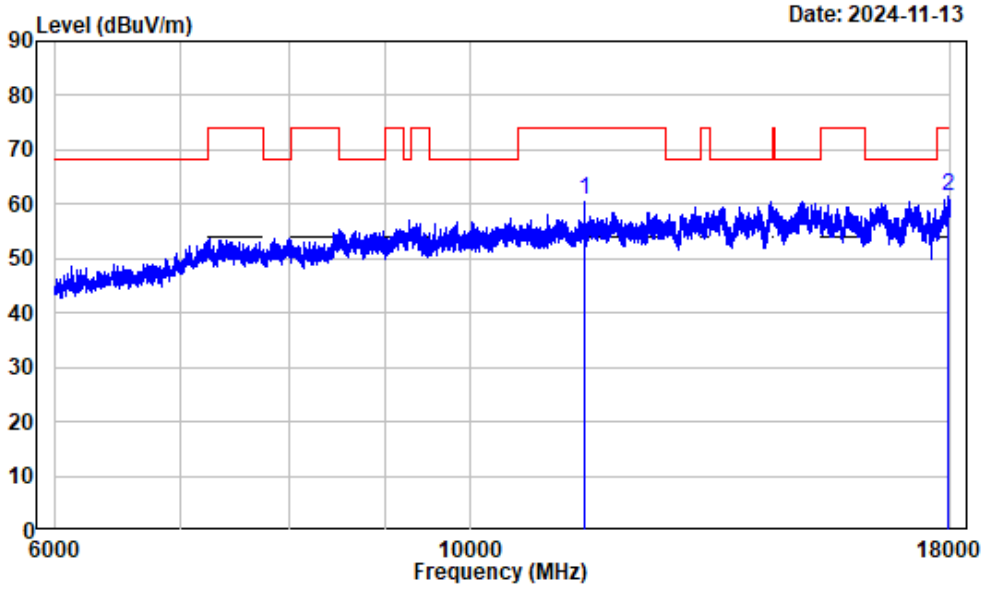
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	34.75	49.06	54.00	-4.94	Average
2	18000.000	24.62	22.79	47.41	54.00	-6.59	Average

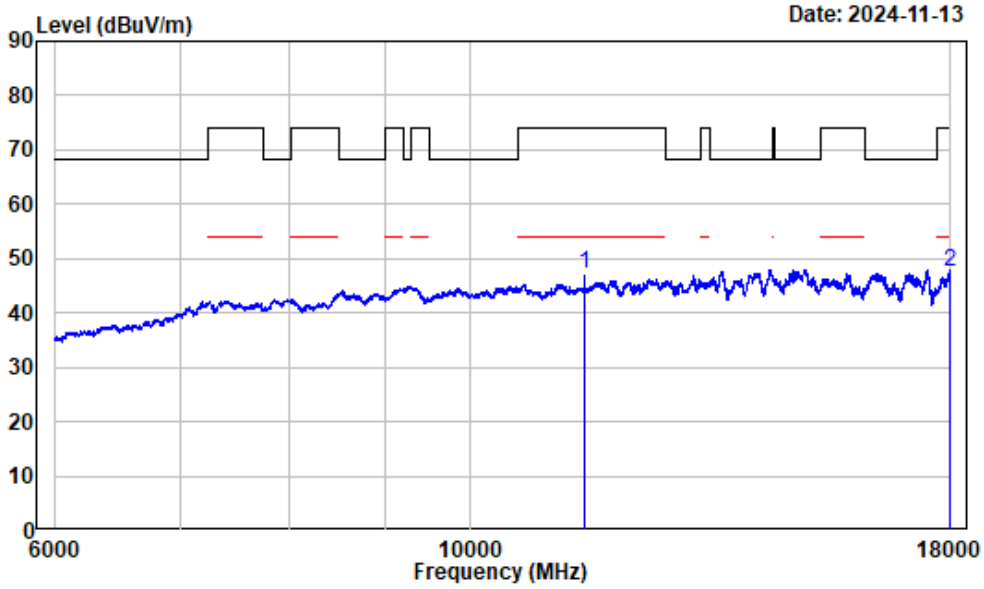
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	46.33	60.64	74.00	-13.36	Peak
2	17951.990	24.28	37.27	61.55	74.00	-12.45	Peak

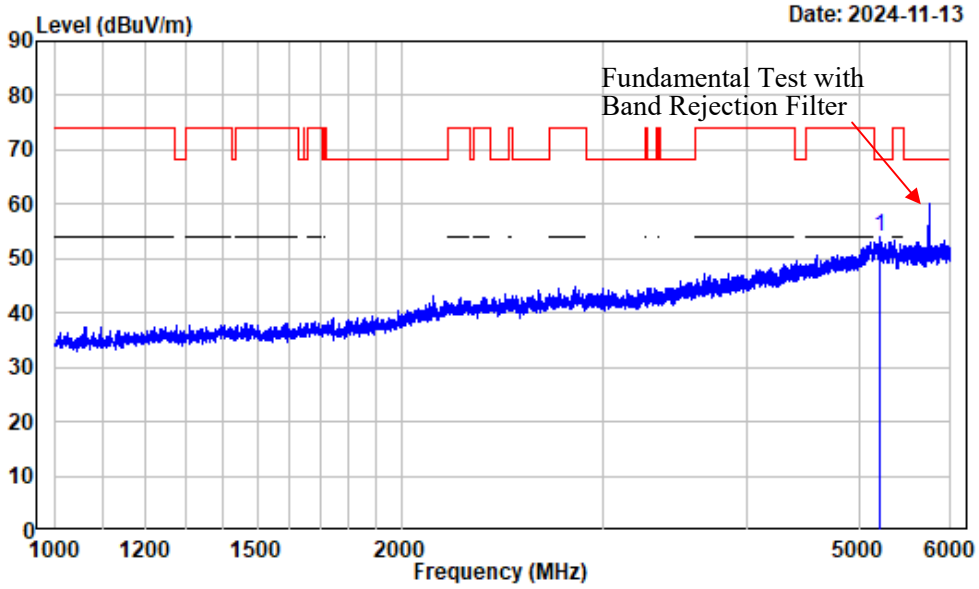
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	32.96	47.27	54.00	-6.73	Average
2	18000.000	24.62	22.95	47.57	54.00	-6.43	Average

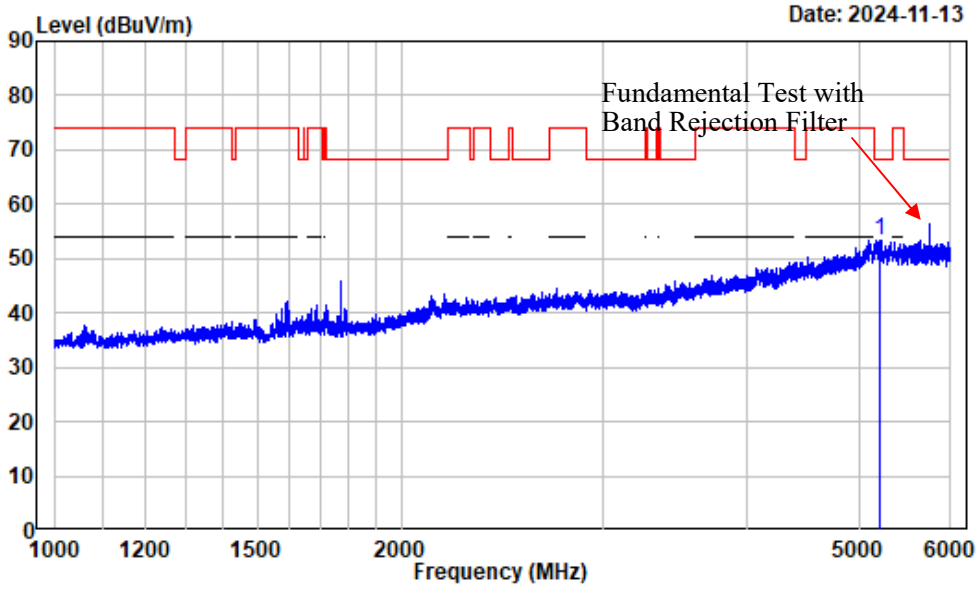
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5213.652	3.04	50.92	53.96	68.20	-14.24	Peak

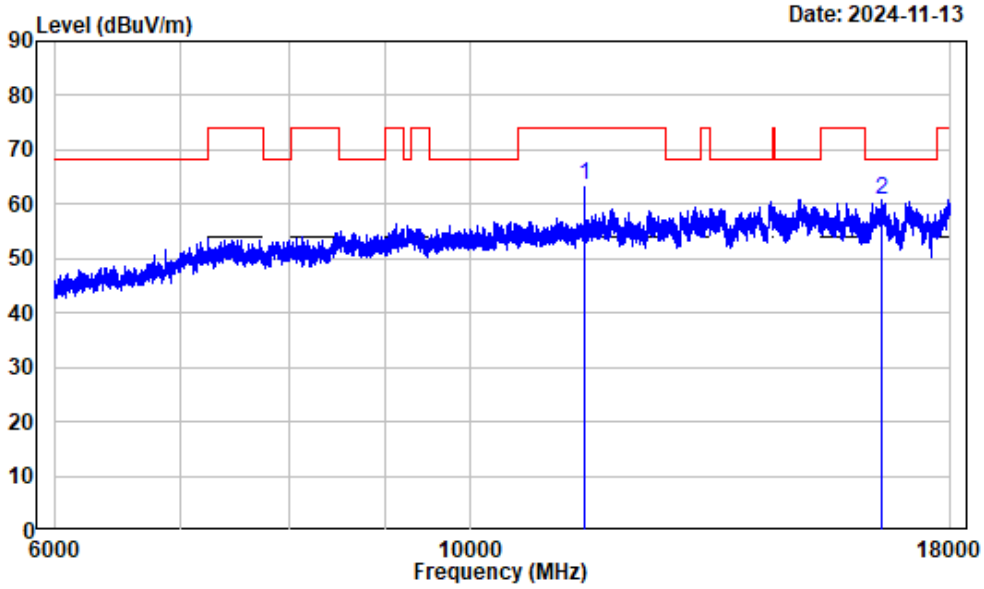
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5204.900	3.06	50.40	53.46	68.20	-14.74	Peak

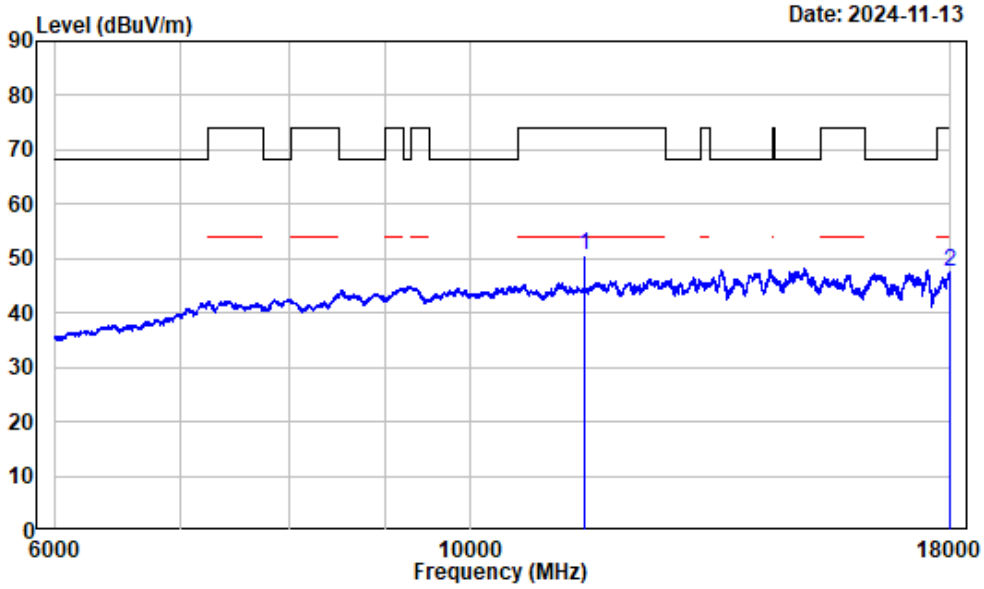
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	49.14	63.45	74.00	-10.55	Peak
2	16540.320	15.83	44.98	60.81	68.20	-7.39	Peak

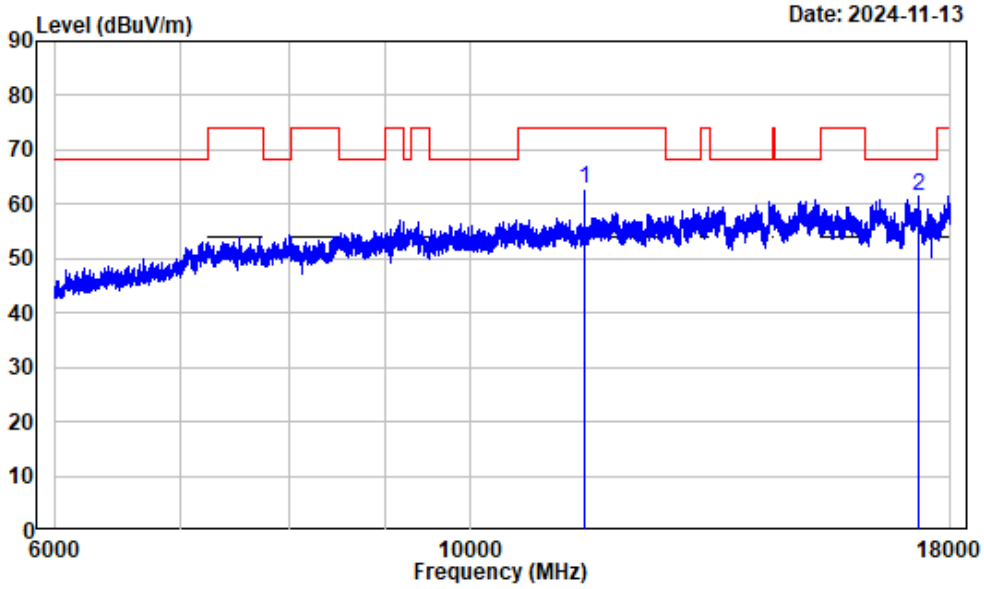
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	36.19	50.50	54.00	-3.50	Average
2	18000.000	24.62	23.01	47.63	54.00	-6.37	Average

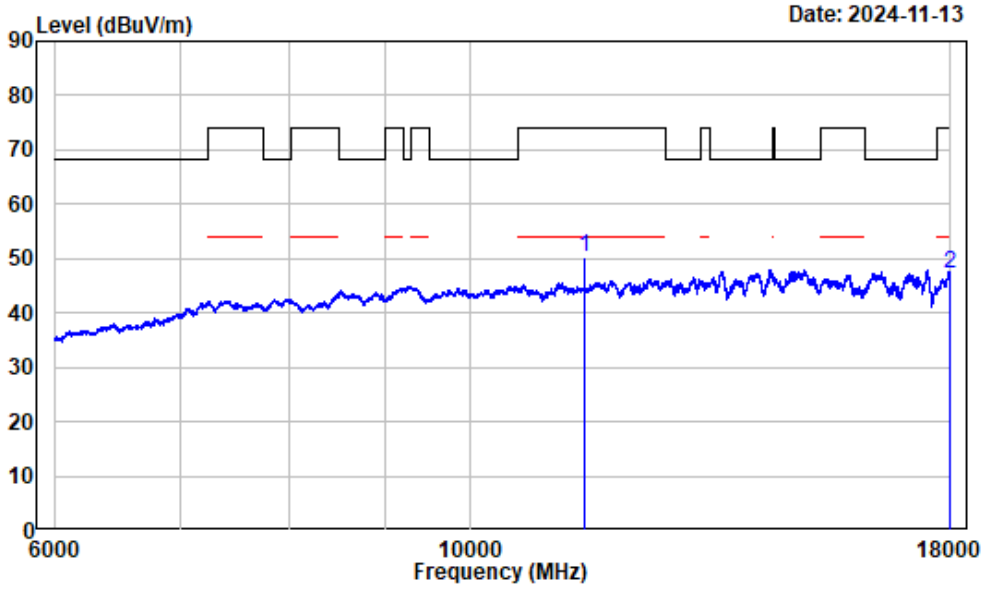
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	48.55	62.86	74.00	-11.14	Peak
2	17294.910	19.31	42.13	61.44	68.20	-6.76	Peak

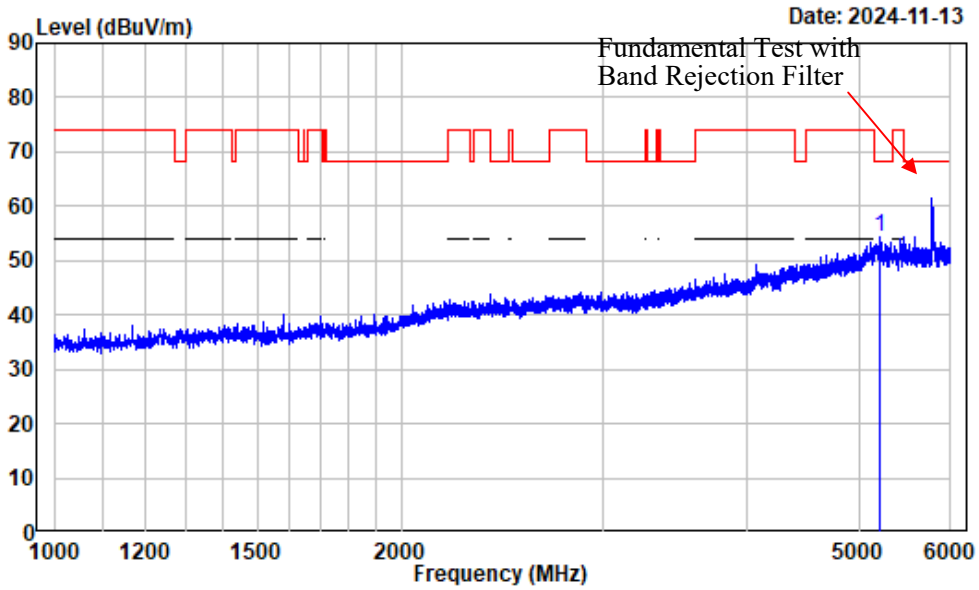
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	35.85	50.16	54.00	-3.84	Average
2	18000.000	24.62	22.72	47.34	54.00	-6.66	Average

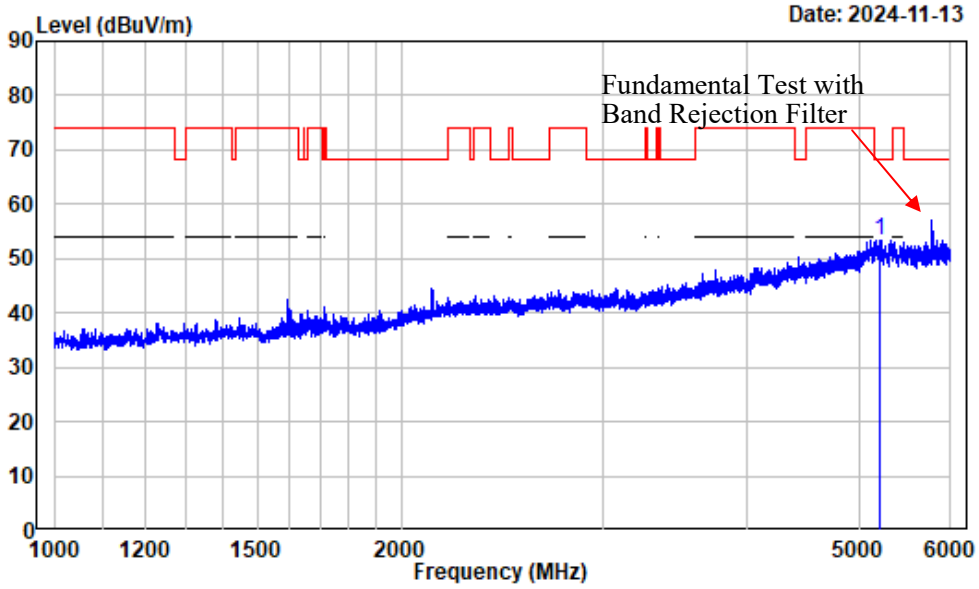
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5208.651	3.05	51.16	54.21	68.20	-13.99	Peak

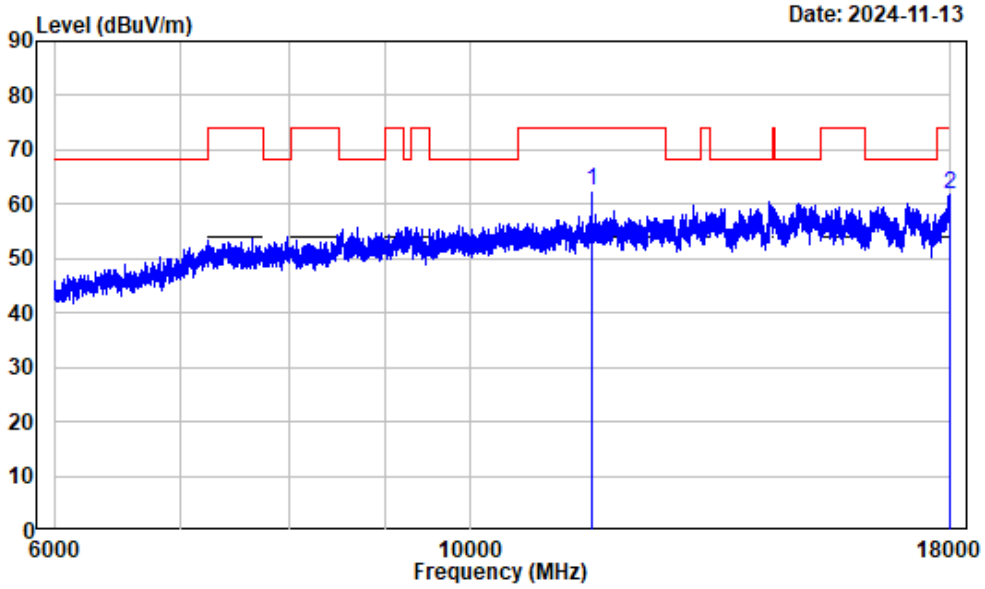
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5206.776	3.06	50.37	53.43	68.20	-14.77	Peak

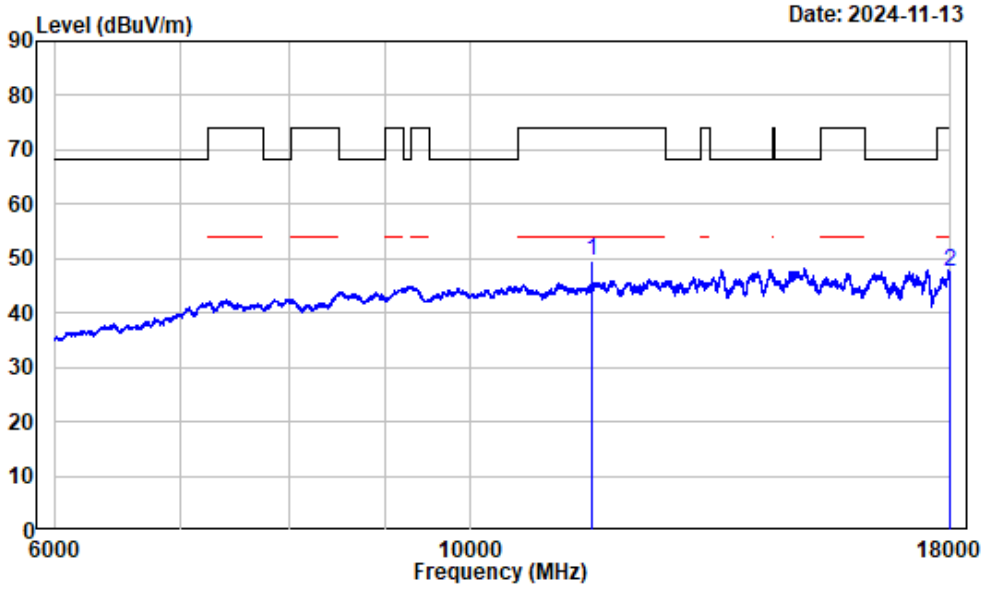
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_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	48.68	62.65	74.00	-11.35	Peak
2	17991.000	24.56	37.36	61.92	74.00	-12.08	Peak

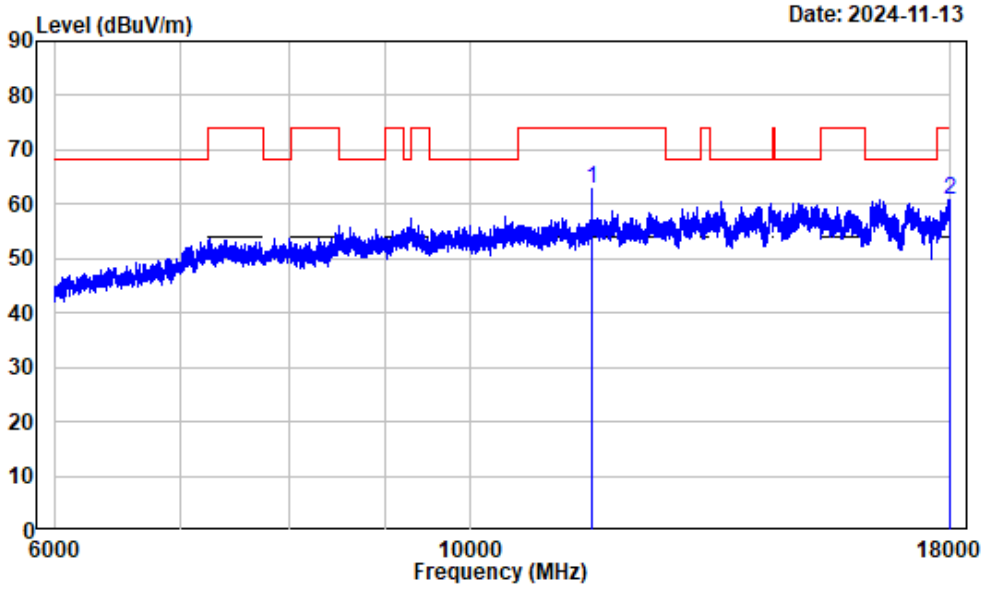
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_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	35.48	49.45	54.00	-4.55	Average
2	18000.000	24.62	22.84	47.46	54.00	-6.54	Average

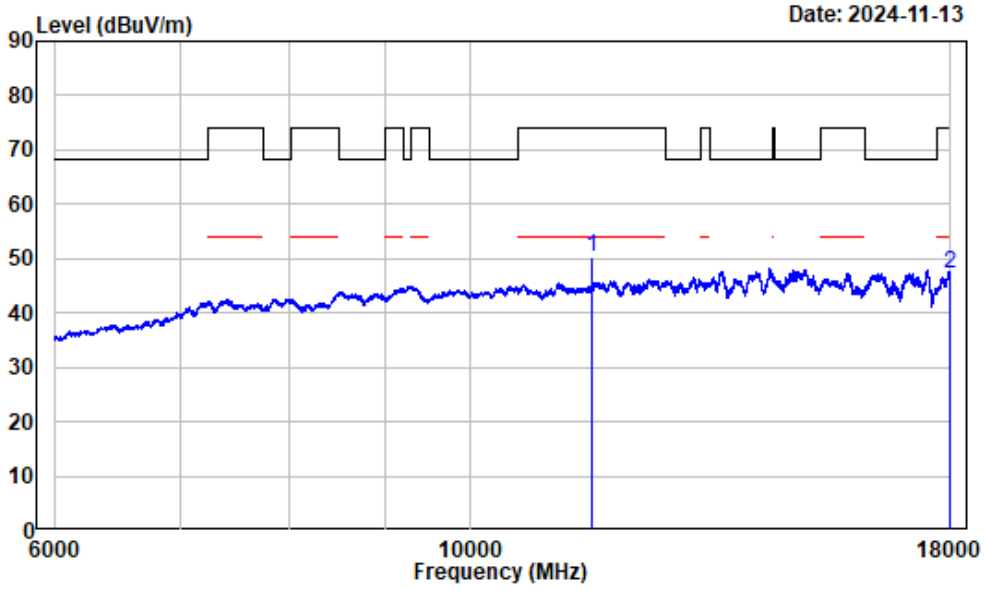
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_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	49.03	63.00	74.00	-11.00	Peak
2	17991.000	24.56	36.26	60.82	74.00	-13.18	Peak

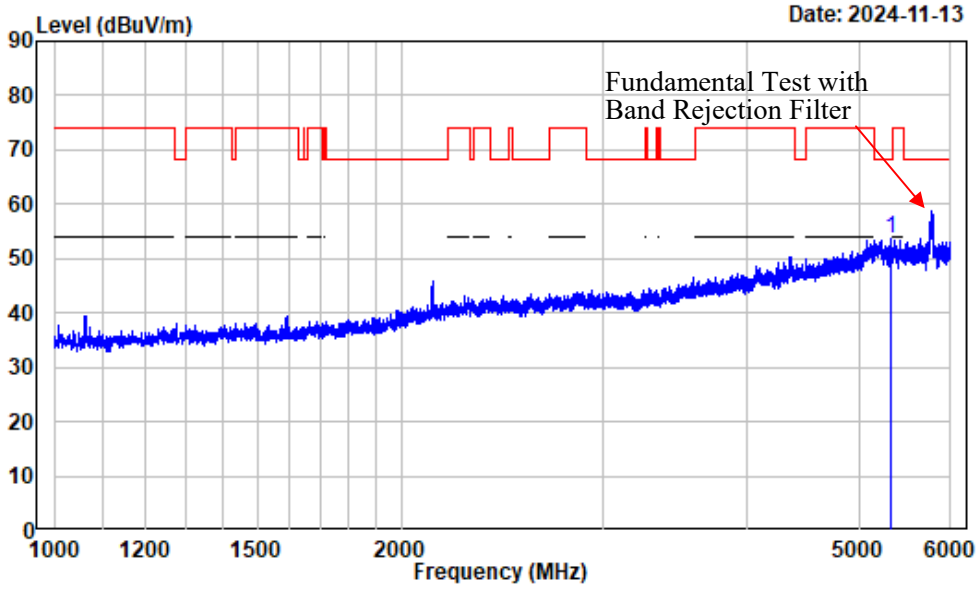
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC40_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	36.21	50.18	54.00	-3.82	Average
2	18000.000	24.62	22.68	47.30	54.00	-6.70	Average

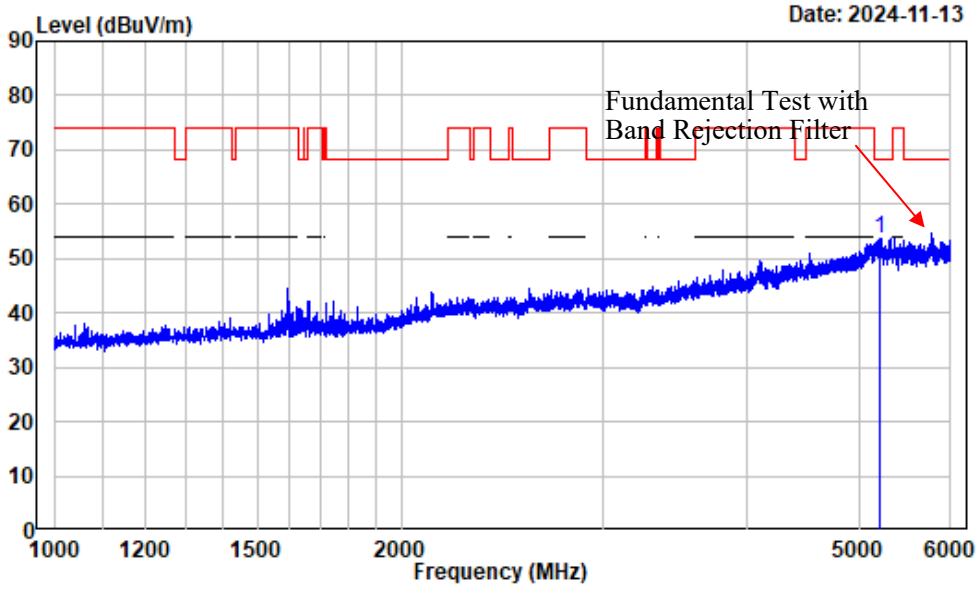
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5320.540	2.87	50.78	53.65	68.20	-14.55	Peak

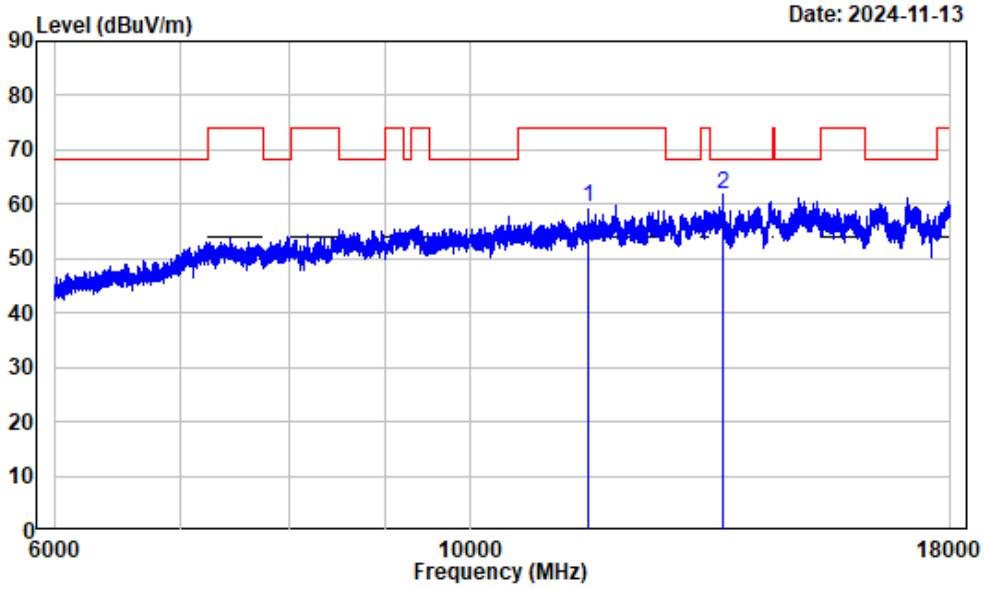
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5213.027	3.05	50.58	53.63	68.20	-14.57	Peak

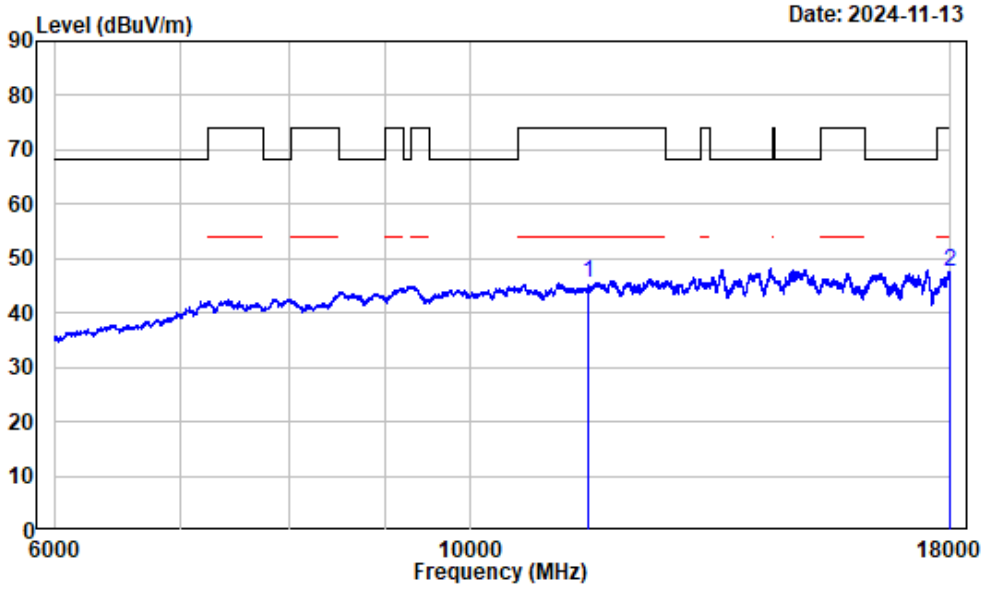
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	45.29	59.42	74.00	-14.58	Peak
2	13610.450	15.26	46.50	61.76	68.20	-6.44	Peak

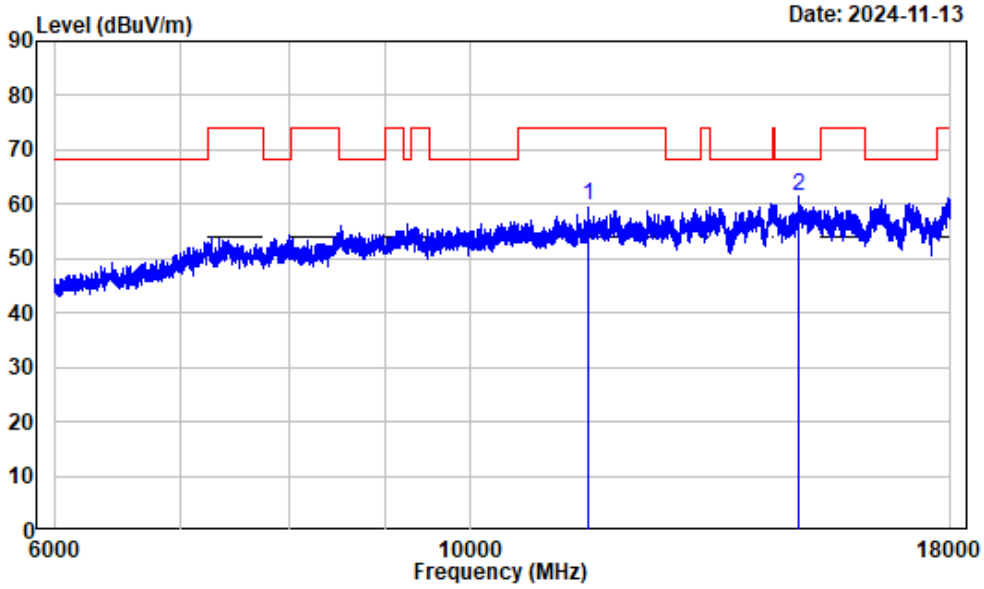
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	31.42	45.55	54.00	-8.45	Average
2	18000.000	24.62	22.77	47.39	54.00	-6.61	Average

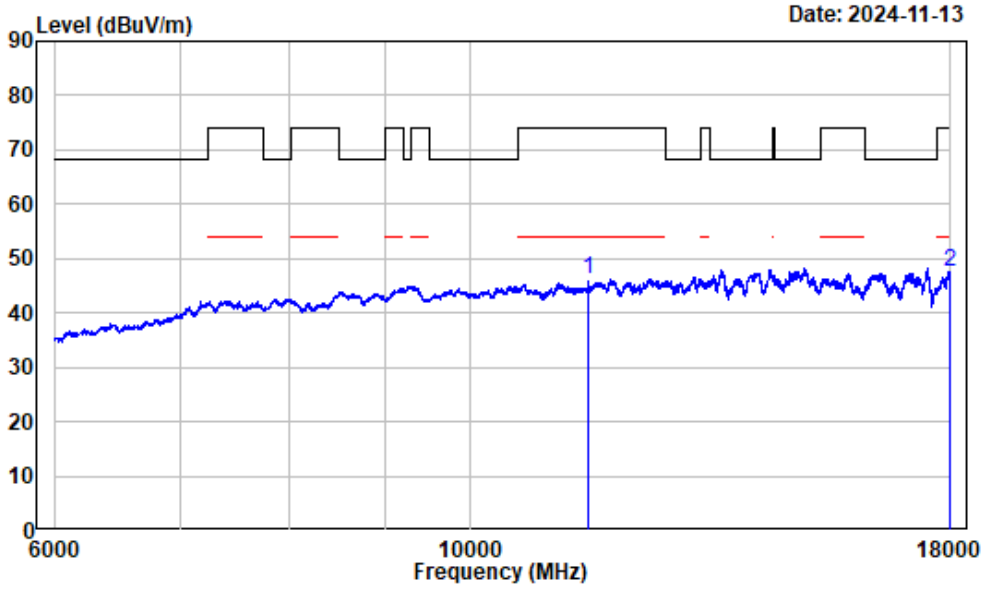
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	45.54	59.67	74.00	-14.33	Peak
2	14935.120	16.49	45.00	61.49	68.20	-6.71	Peak

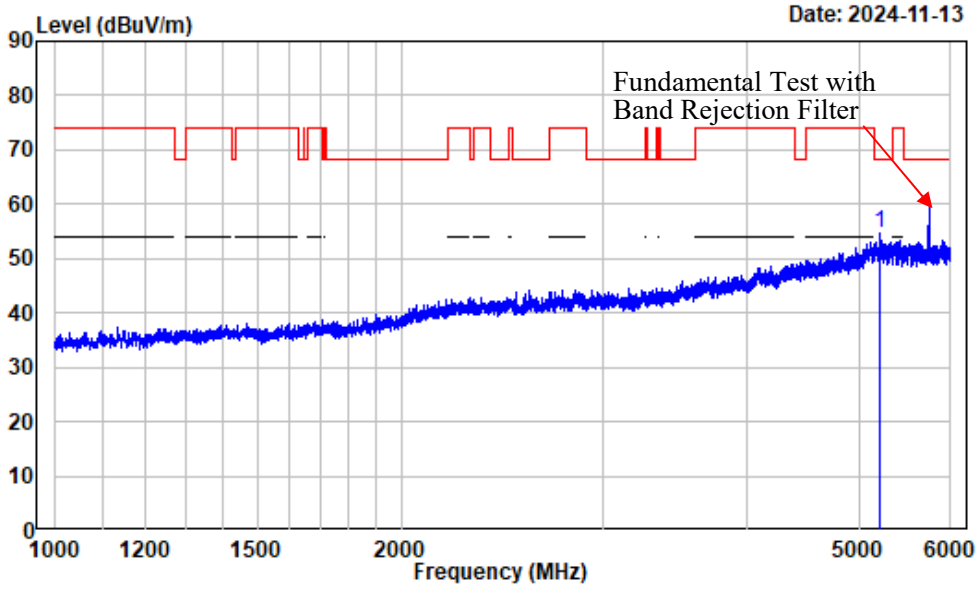
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	31.99	46.12	54.00	-7.88	Average
2	18000.000	24.62	22.89	47.51	54.00	-6.49	Average

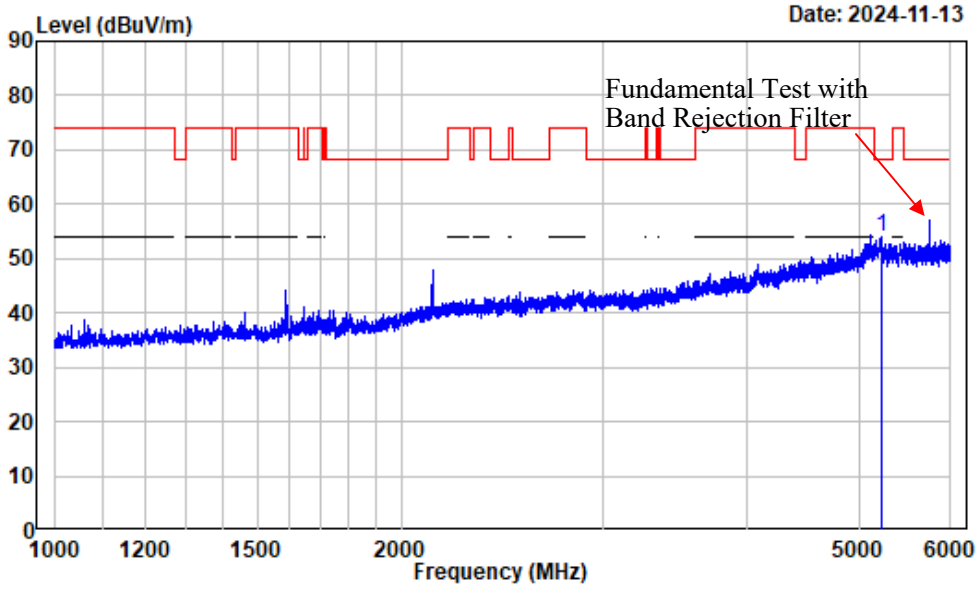
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5205.526	3.06	51.71	54.77	68.20	-13.43	Peak

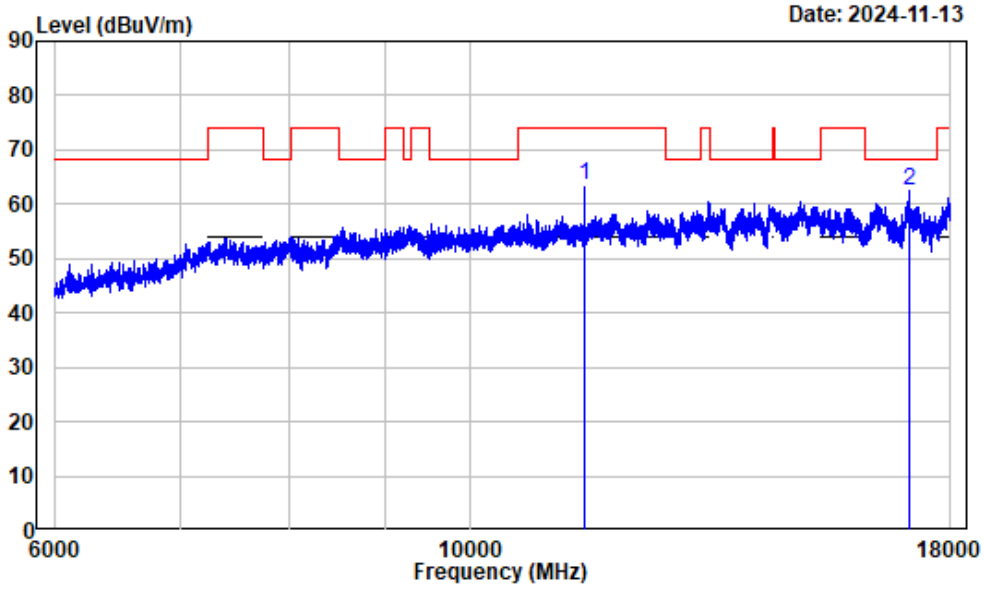
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5223.028	3.01	50.87	53.88	68.20	-14.32	Peak

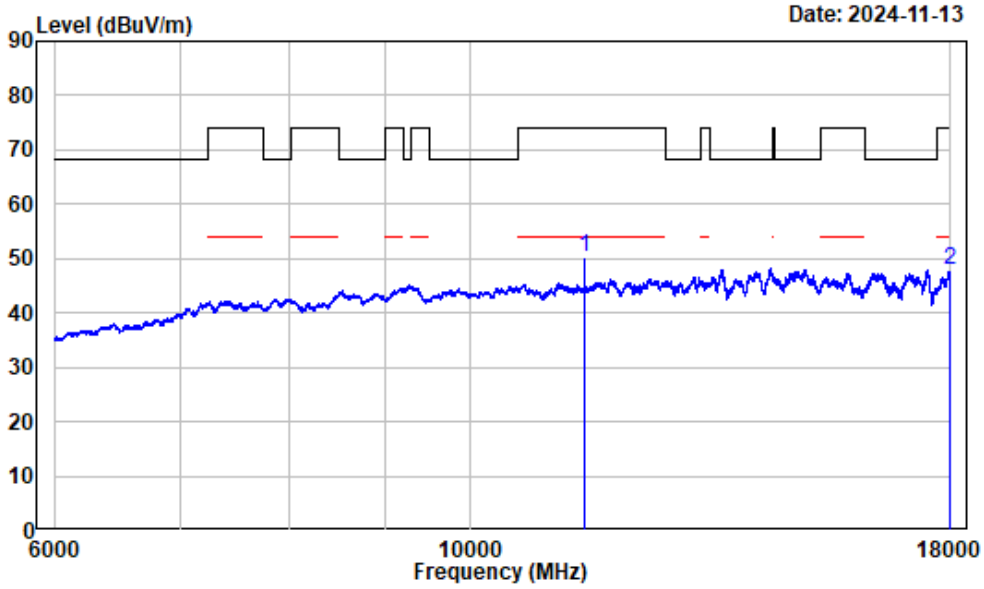
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	49.03	63.34	74.00	-10.66	Peak
2	17098.390	18.01	44.63	62.64	68.20	-5.56	Peak

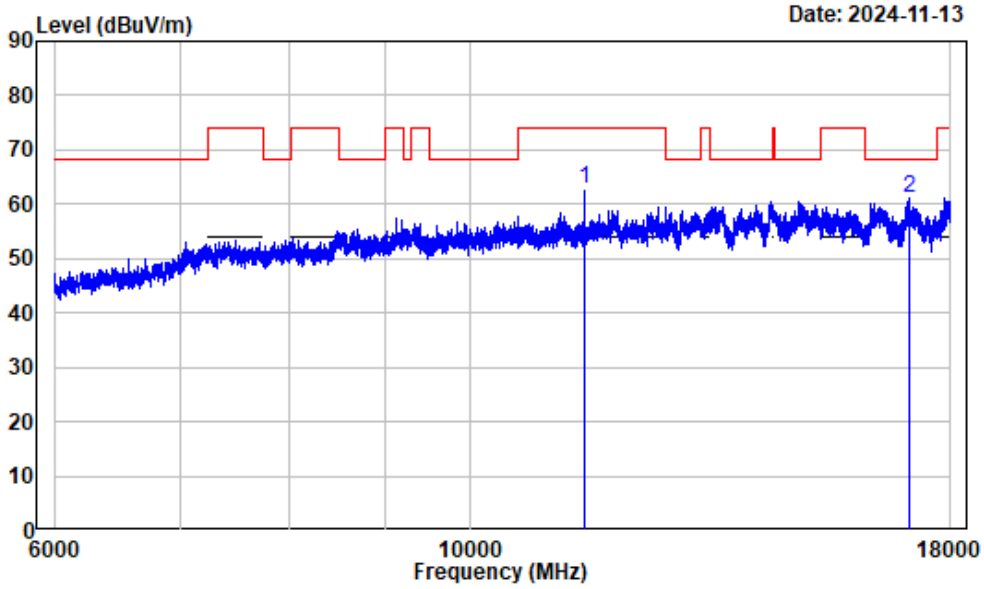
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	36.03	50.34	54.00	-3.66	Average
2	18000.000	24.62	23.11	47.73	54.00	-6.27	Average

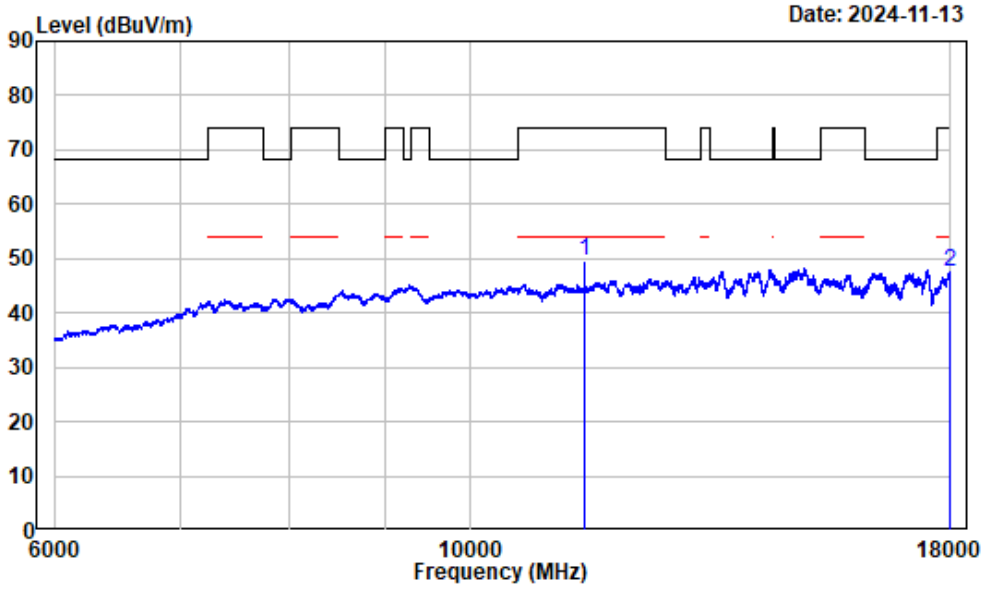
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	48.65	62.96	74.00	-11.04	Peak
2	17105.890	18.05	43.06	61.11	68.20	-7.09	Peak

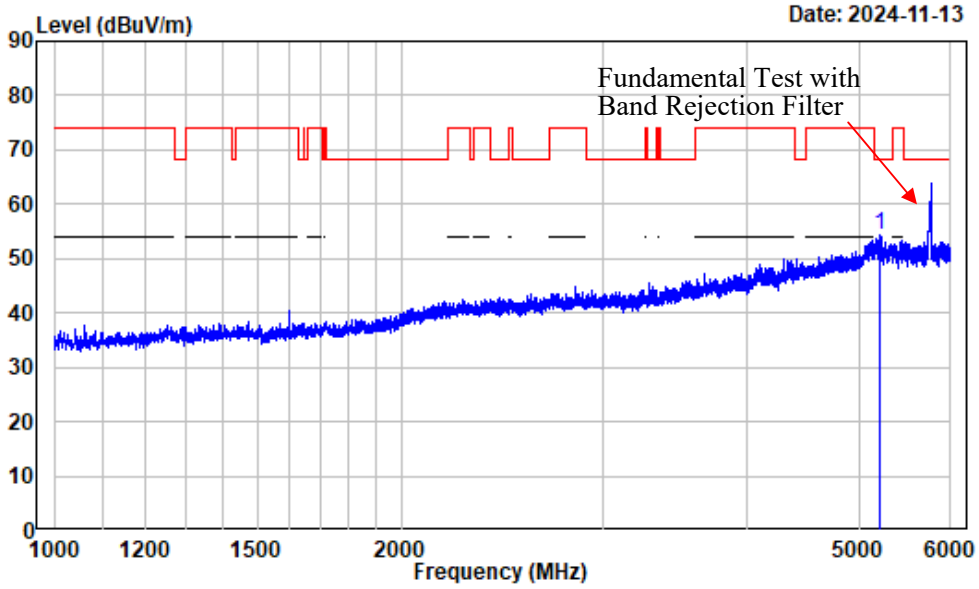
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11490.000	14.31	35.44	49.75	54.00	-4.25	Average
2	18000.000	24.62	23.03	47.65	54.00	-6.35	Average

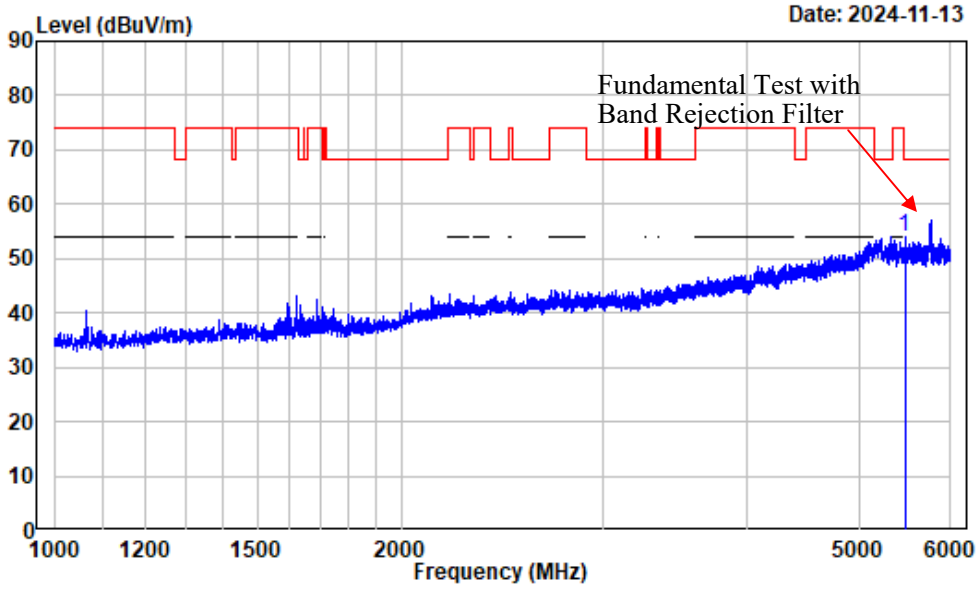
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5204.275	3.07	51.20	54.27	68.20	-13.93	Peak

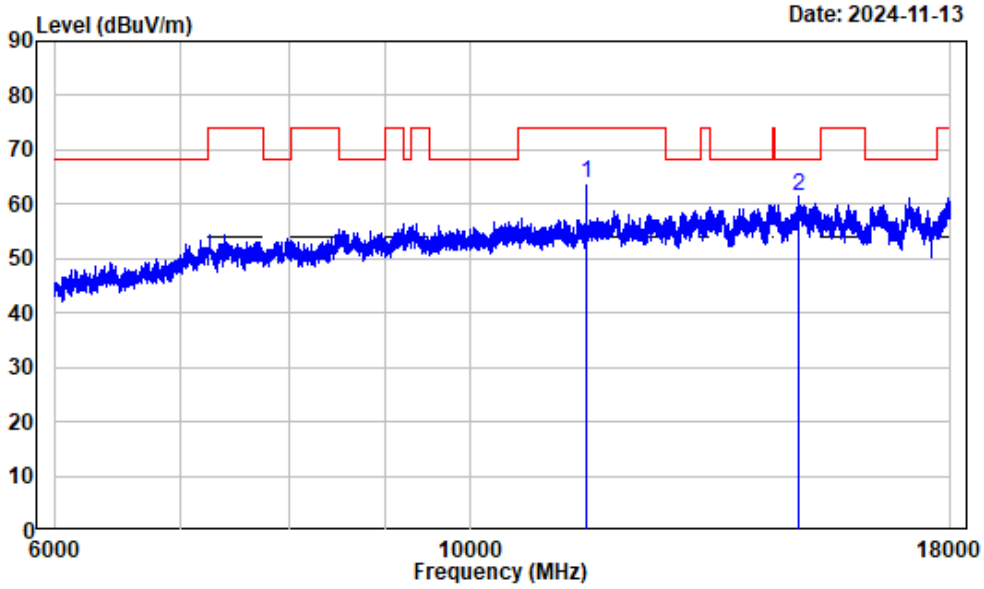
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5475.560	3.05	50.98	54.03	68.20	-14.17	Peak

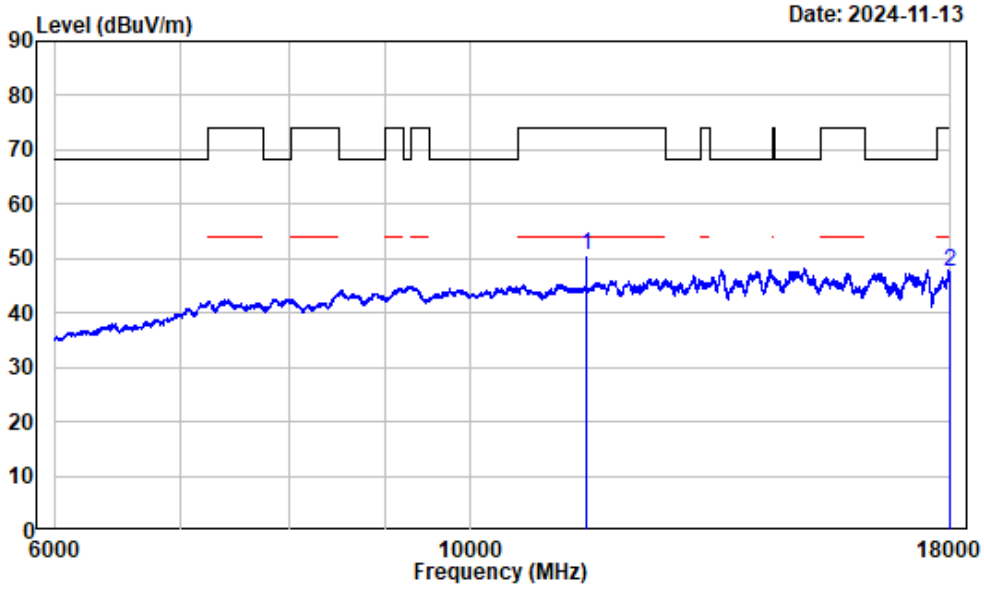
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11510.000	14.29	49.53	63.82	74.00	-10.18	Peak
2	14951.620	16.44	45.18	61.62	68.20	-6.58	Peak

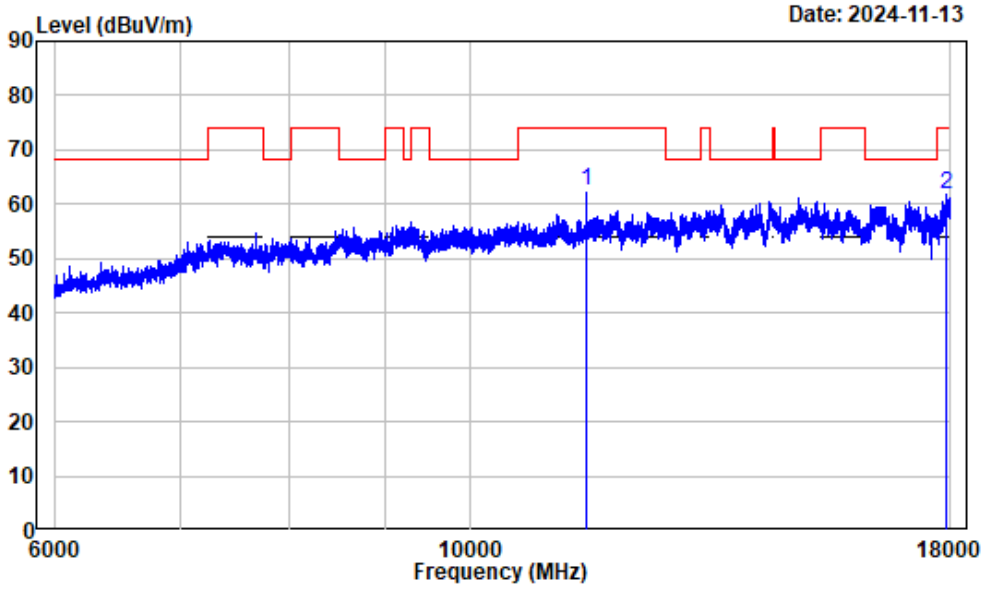
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11510.000	14.29	36.18	50.47	54.00	-3.53	Average
2	18000.000	24.62	22.89	47.51	54.00	-6.49	Average

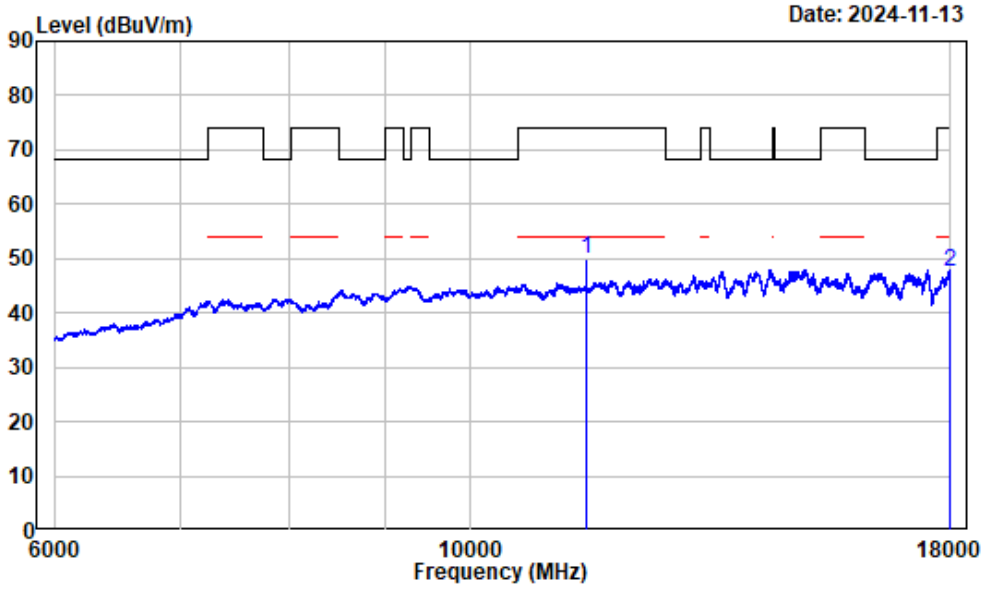
6-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11510.000	14.29	48.26	62.55	74.00	-11.45	Peak
2	17926.490	24.10	37.77	61.87	74.00	-12.13	Peak

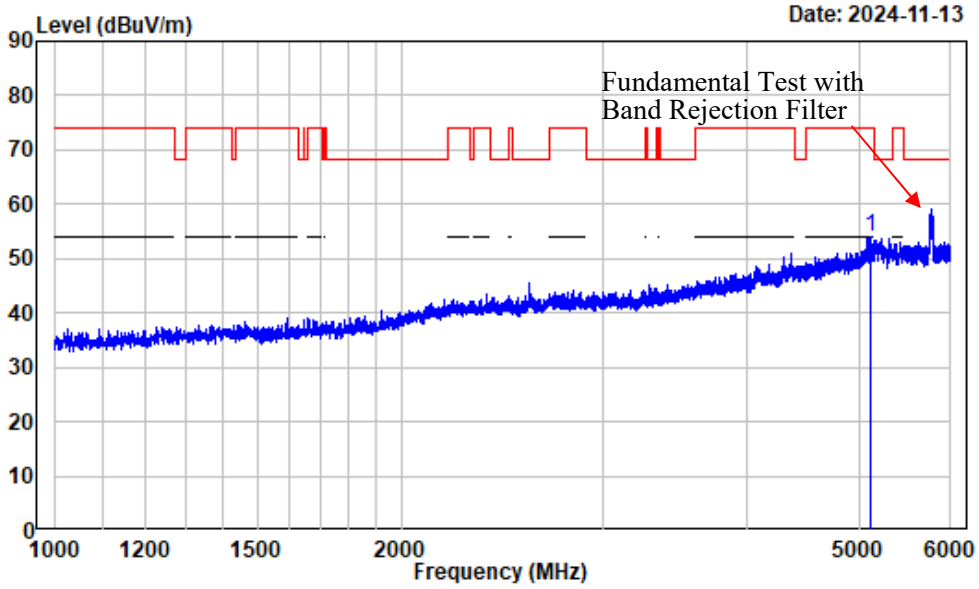
6-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11510.000	14.29	35.52	49.81	54.00	-4.19	Average
2	18000.000	24.62	22.87	47.49	54.00	-6.51	Average

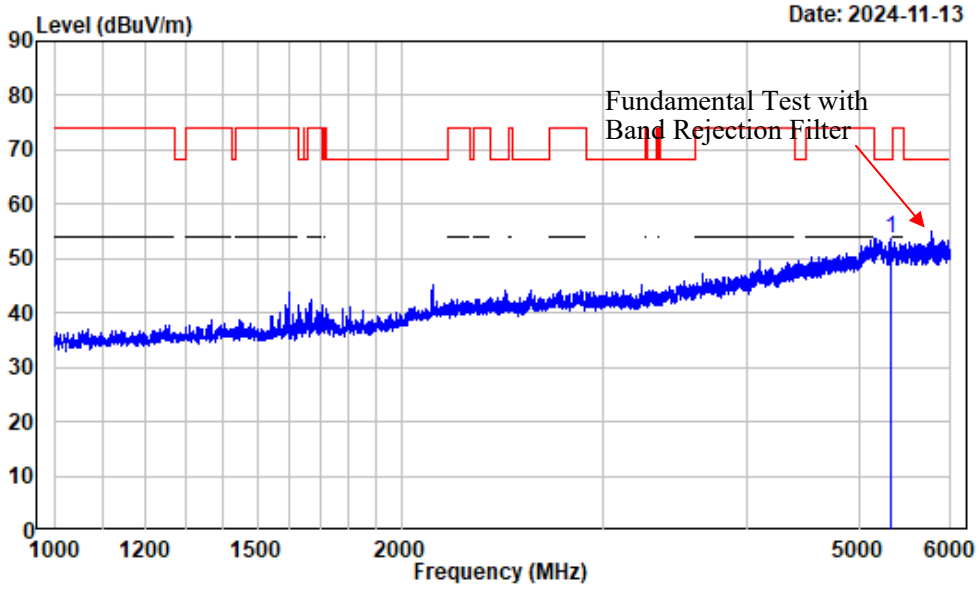
1-6GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5109.264	2.72	51.20	53.92	74.00	-20.08	Peak

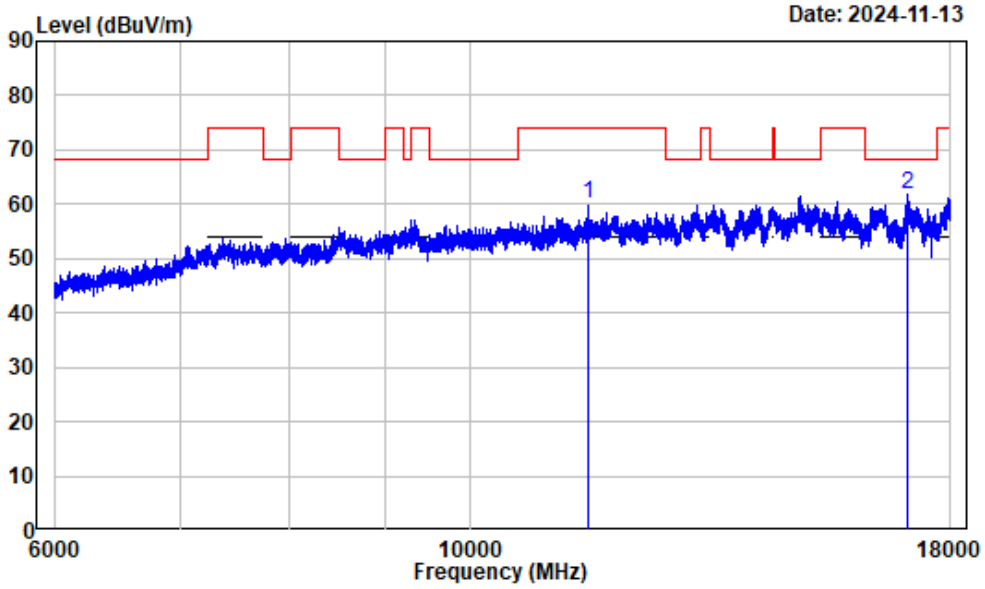
1-6GHz_Vertical



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5317.415	2.85	50.68	53.53	68.20	-14.67	Peak

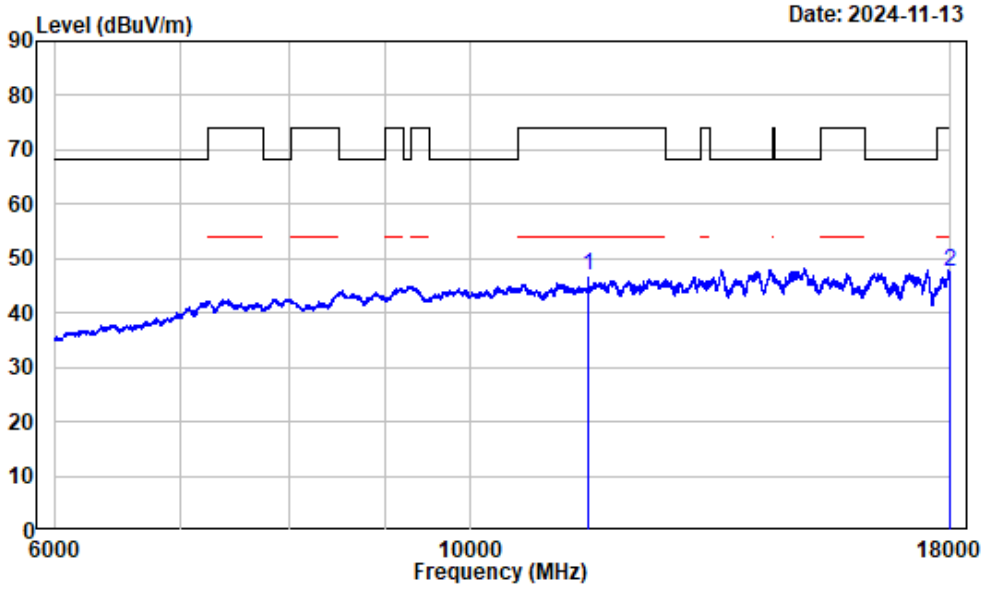
6-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	45.83	59.96	74.00	-14.04	Peak
2	17095.390	18.00	43.73	61.73	68.20	-6.47	Peak

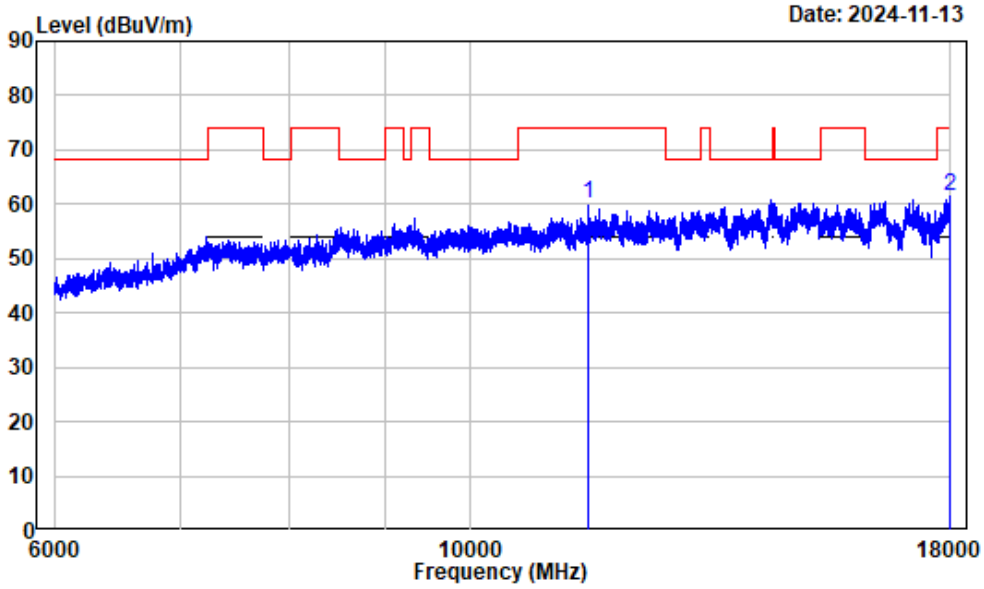
6-18GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	32.68	46.81	54.00	-7.19	Average
2	18000.000	24.62	22.99	47.61	54.00	-6.39	Average

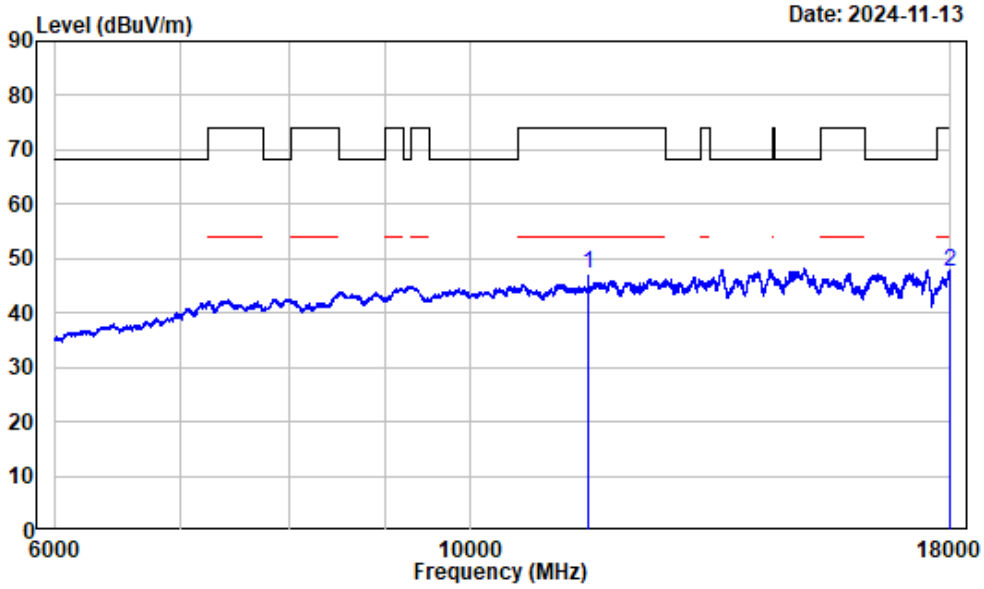
6-18GHz_Vertical_Peak



Condition: Vertical
: 2401Y98612E-RF
: Dylan.Yang
: 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	45.87	60.00	74.00	-14.00	Peak
2	17973.000	24.43	37.05	61.48	74.00	-12.52	Peak

6-18GHz_Vertical_Average

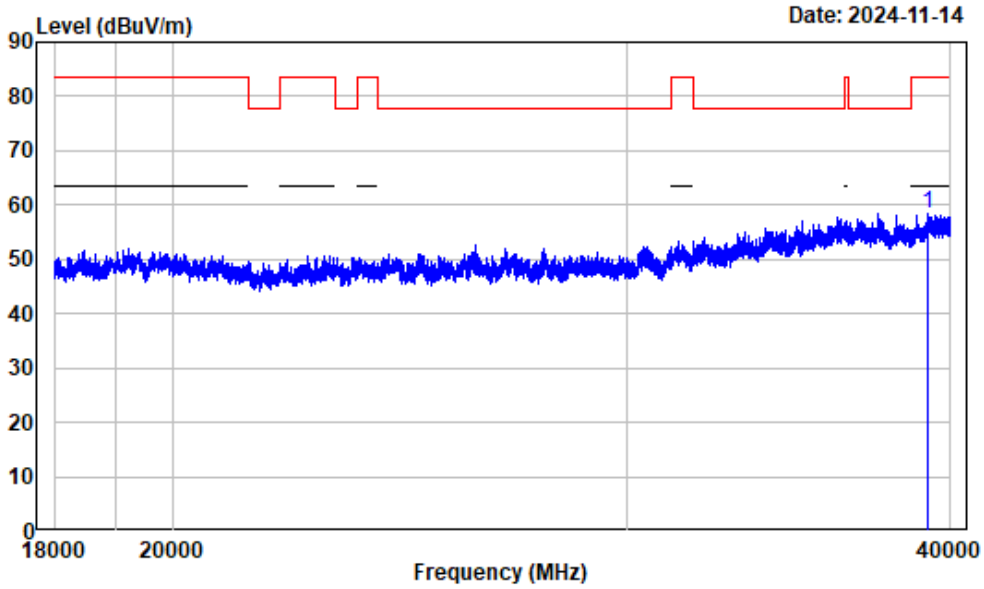


Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX80_5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	33.15	47.28	54.00	-6.72	Average
2	18000.000	24.62	22.89	47.51	54.00	-6.49	Average

18-40GHz Worst case emission plots:

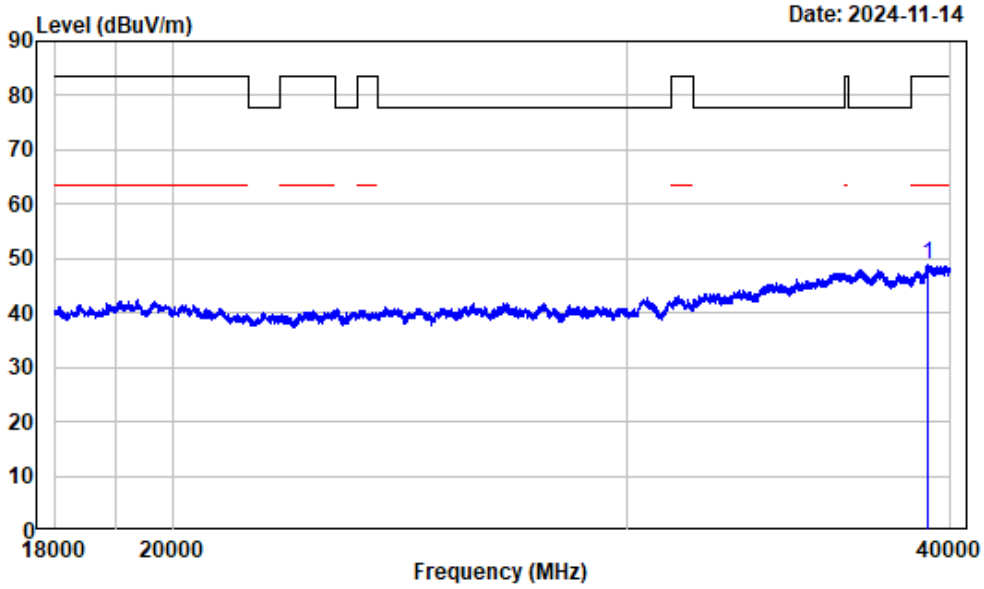
18-40GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39210.650	22.90	35.36	58.26	83.50	-25.24	Peak

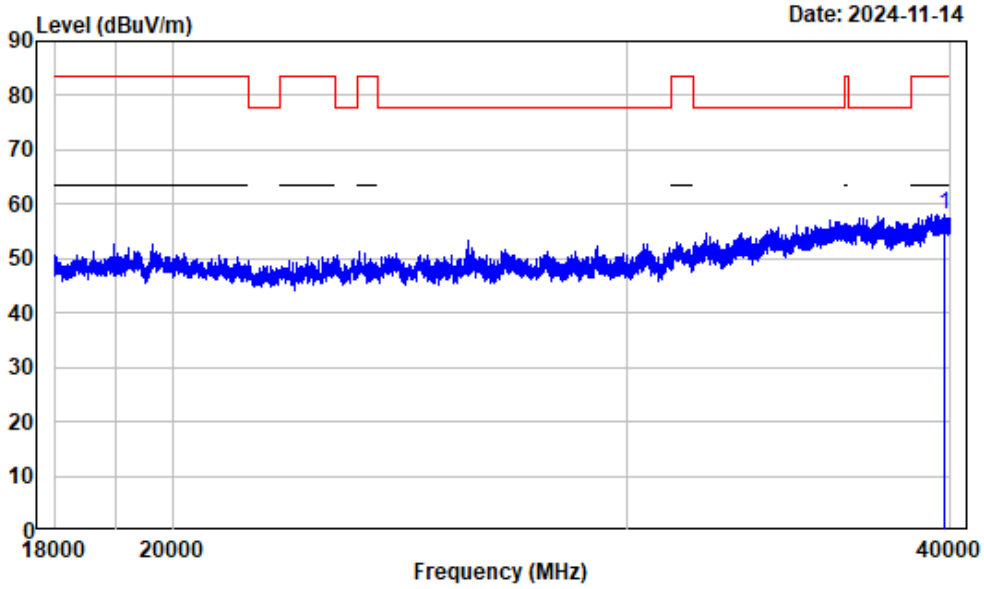
18-40GHz_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39199.650	22.92	25.91	48.83	63.50	-14.67	Average

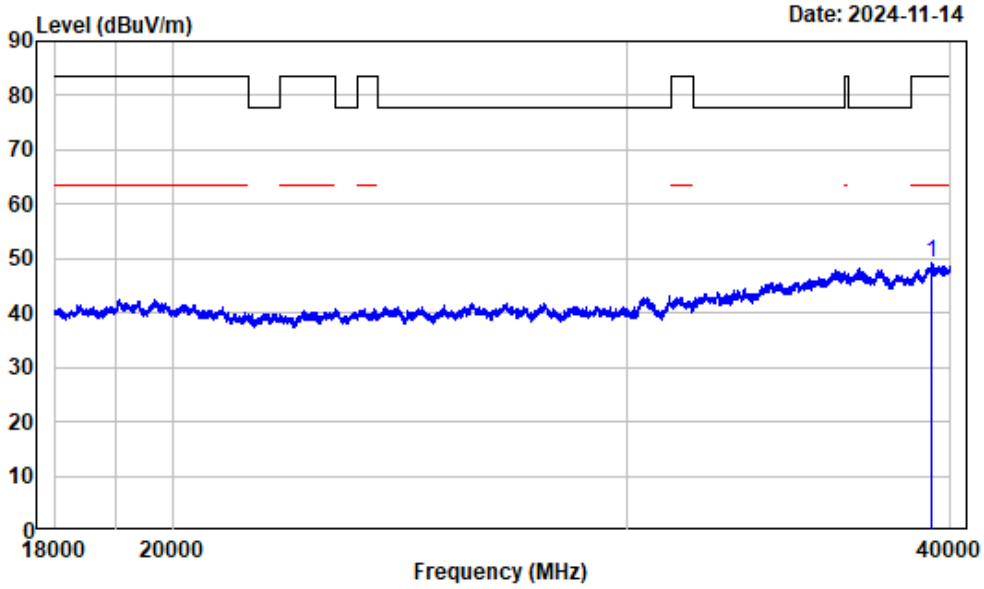
18-40GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39793.720	22.51	35.63	58.14	83.50	-25.36	Peak

18-40GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y98612E-RF
Tester : Dylan.Yang
Note : 5G_B4_AC20_5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39328.920	22.63	26.65	49.28	63.50	-14.22	Average

RF Conducted data

Emission Bandwidth

Test Information:

Sample No.:	2SLQ-7	**Test Date:**	2024/11/14~2024/12/10
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Brian Li	**Test Result:**	Pass

Environmental Conditions:

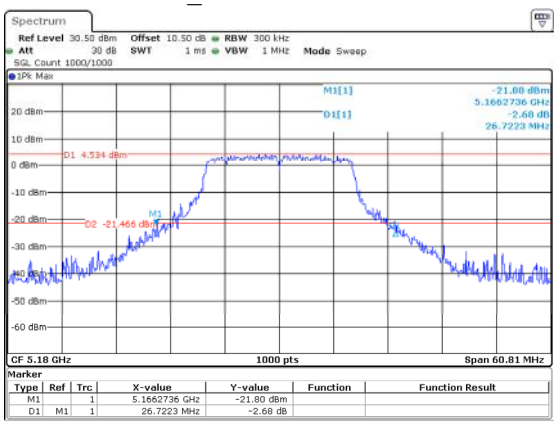
Temperature: (°C):	25-26	**Relative Humidity: (%)**	44-45	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	26.722
	5200	24.958
	5240	24.398
	5745	16.425
	5785	16.425
	5825	16.425
802.11ac20	5180	28.682
	5200	28.614
	5240	27.085
	5745	17.728
	5785	17.656
	5825	17.728
802.11ac40	5190	47.447
	5230	45.746
	5755	36.350
	5795	36.470
802.11ac80	5210	87.688
	5775	77.340
802.11ax20	5180	24.907
	5200	25.657
	5240	25.845
	5745	19.030
	5785	19.103
	5825	19.030
802.11ax40	5190	45.145
	5230	46.947
	5755	37.990
	5795	37.970
802.11ax80	5210	86.687
	5775	77.960

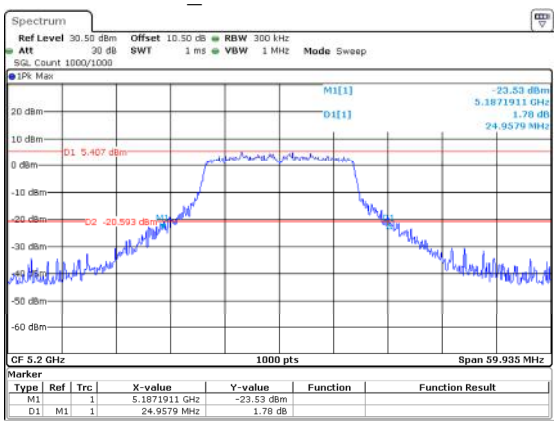
5150~5250

802.11a_5180MHz 26.722MHz



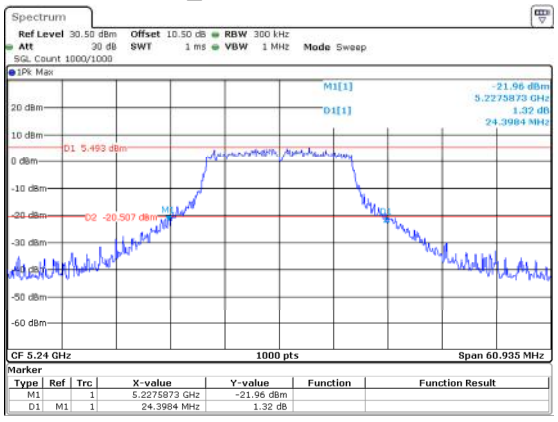
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 20:51:40

802.11a_5200MHz 24.958MHz



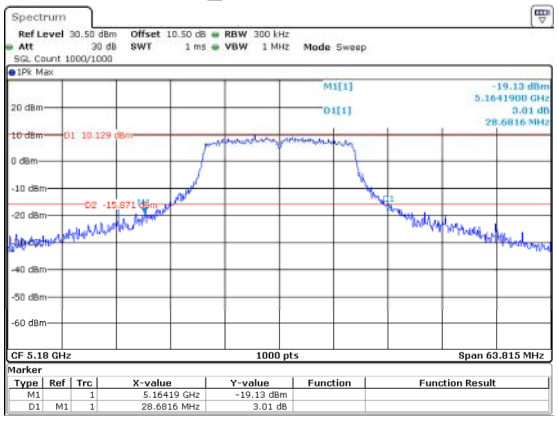
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 20:53:06

802.11a_5240MHz 24.398MHz



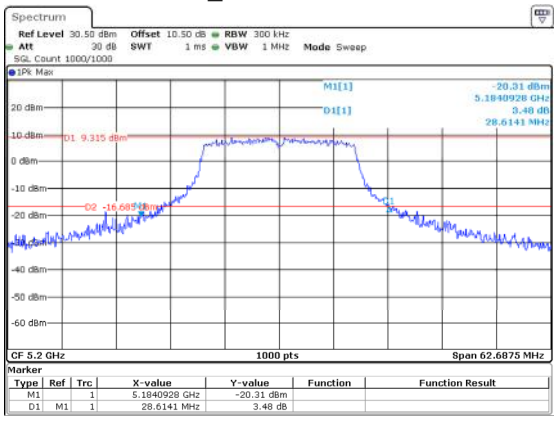
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 20:54:45

802.11ac20_5180MHz 28.682MHz



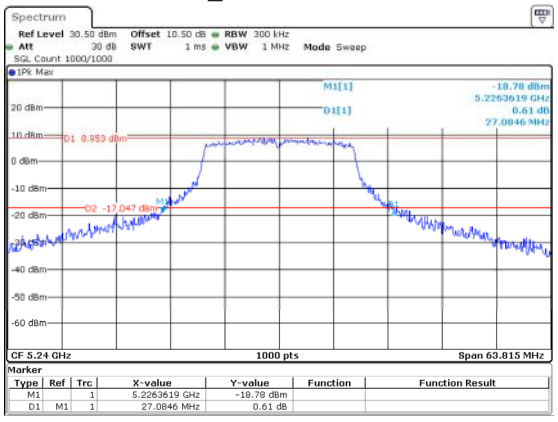
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:07:30

802.11ac20_5200MHz 28.614MHz



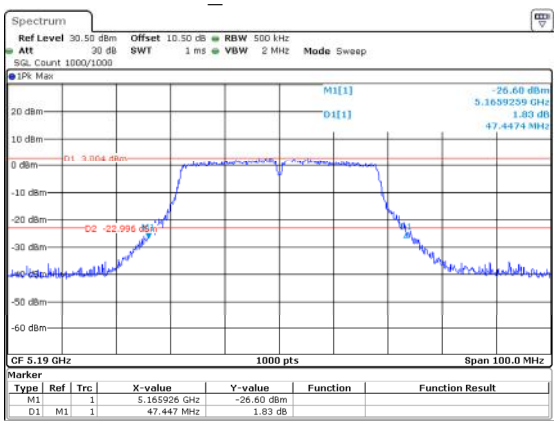
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:08:50

802.11ac20_5240MHz 27.085MHz



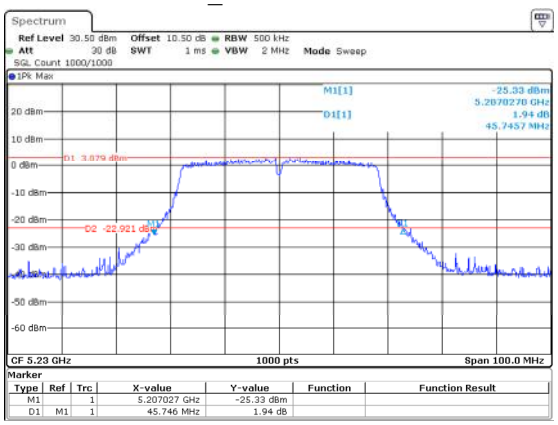
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:10:09

802.11ac40_5190MHz 47.447MHz



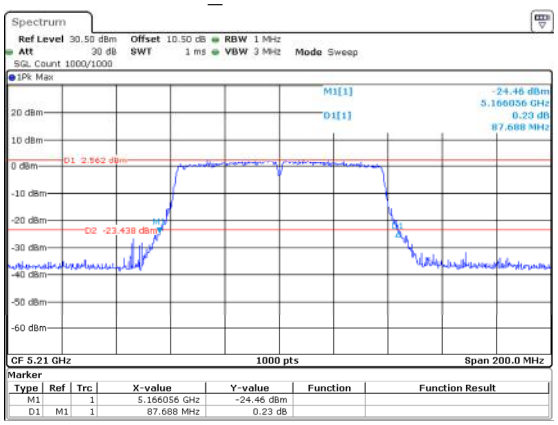
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:11:21

802.11ac40_5230MHz 45.746MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:12:23

802.11ac80_5210MHz 87.688MHz



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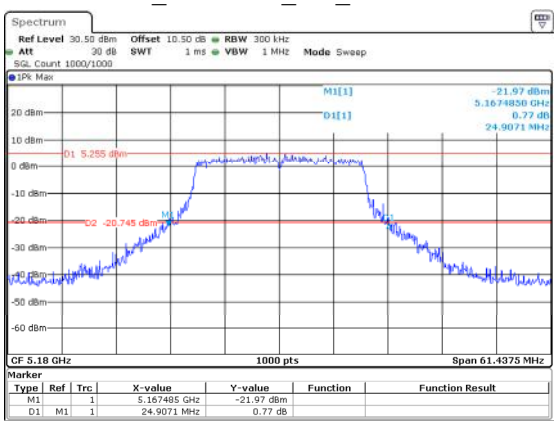
Date: 14.NOV.2024 21:13:37

802.11ax20_5180MHz_RU_Full 24.907MHz



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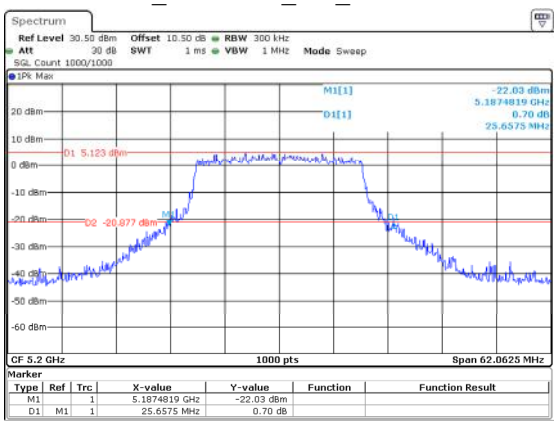
Date: 14.NOV.2024 21:16:23

802.11ax20_5200MHz_RU_Full 25.657MHz



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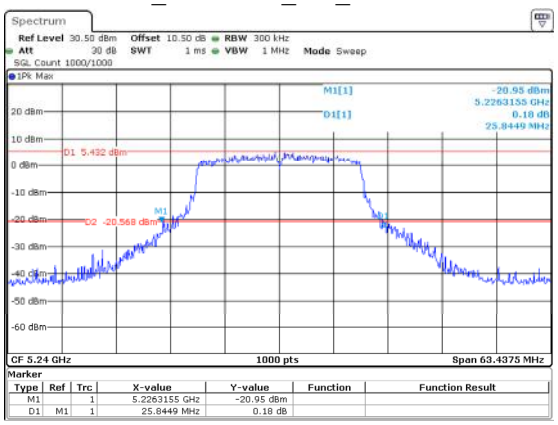
Date: 14.NOV.2024 21:17:47

802.11ax20_5240MHz_RU_Full 25.845MHz



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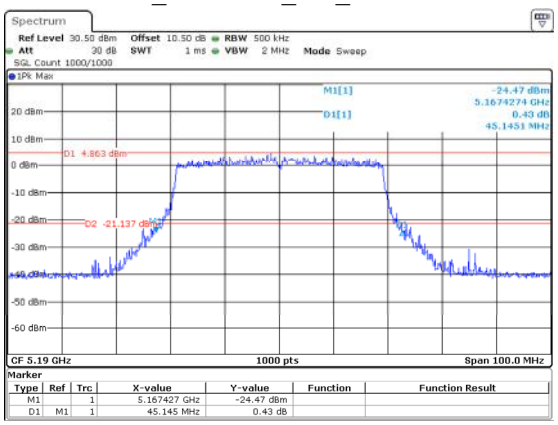
Date: 14.NOV.2024 21:19:19

802.11ax40_5190MHz_RU_Full 45.145MHz



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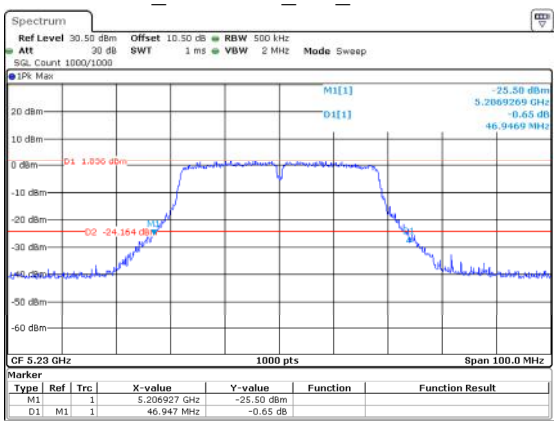
Date: 14.NOV.2024 21:21:04

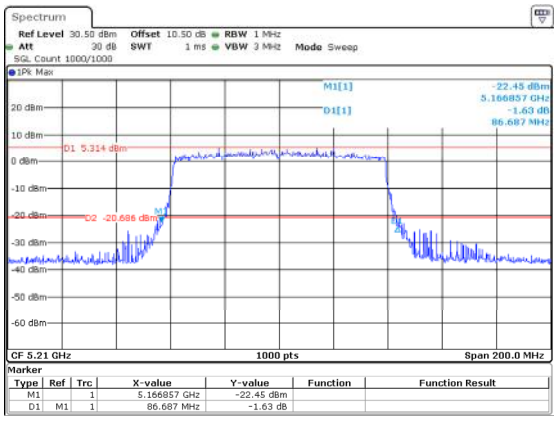
802.11ax40_5230MHz_RU_Full 46.947MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:22:20

5725~5850

802.11ax80_5210MHz_RU_Full 86.687MHz



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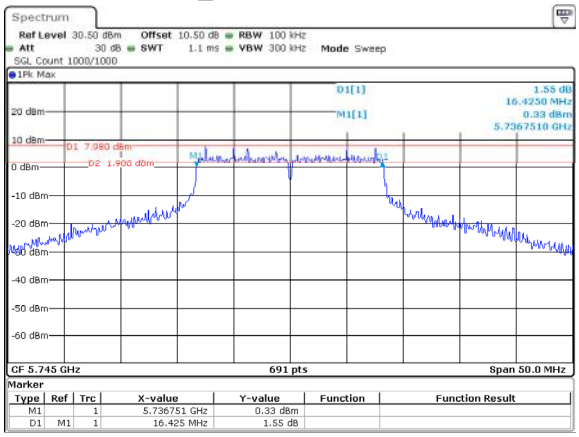
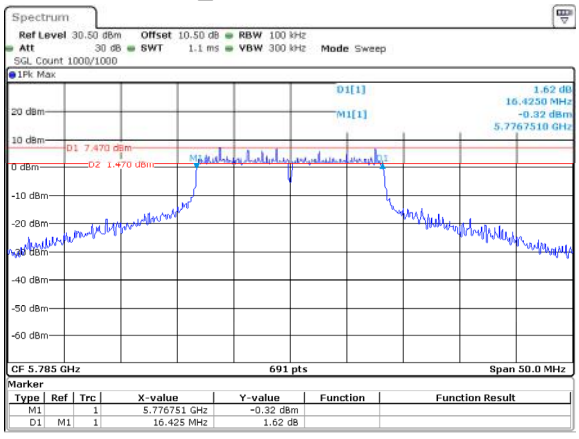
Date: 14.NOV.2024 21:23:23

802.11a_5745MHz 16.425MHz



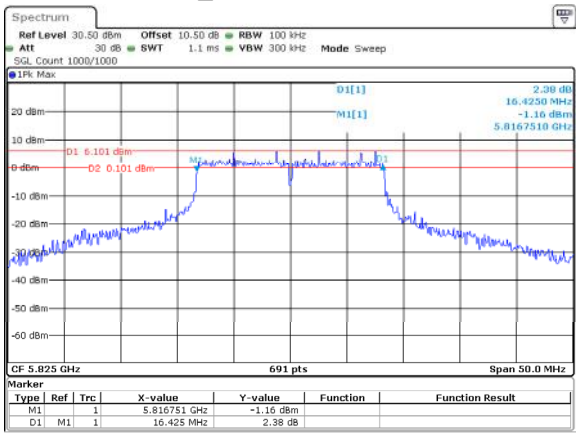
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 10.DEC.2024 20:58:16

802.11a_5785MHz 16.425MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 10.DEC.2024 20:46:53

802.11a_5825MHz 16.425MHz



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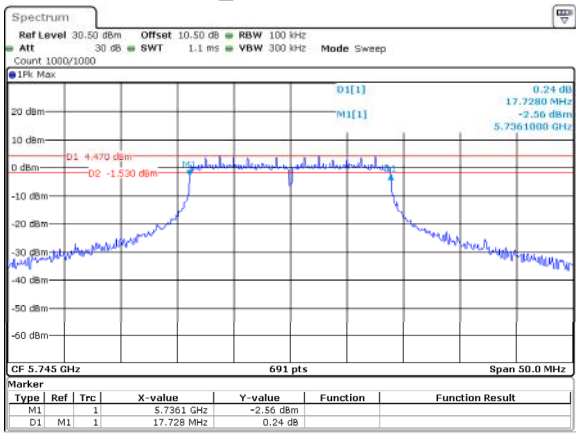
Date: 10.DEC.2024 20:45:04

802.11ac20_5745MHz 17.728MHz



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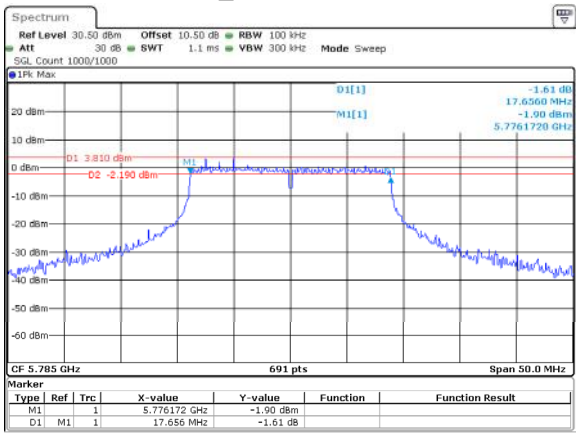
Date: 10.DEC.2024 20:52:12

802.11ac20_5785MHz 17.656MHz



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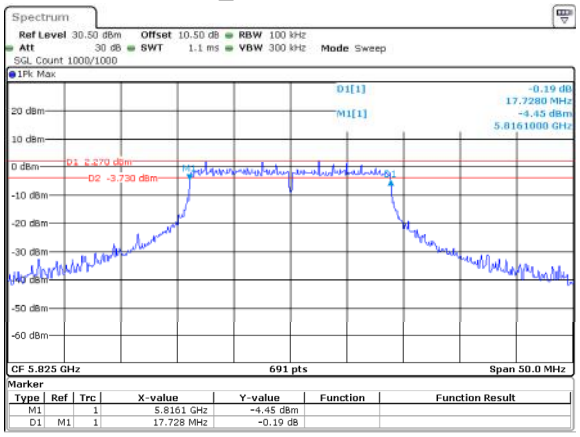
Date: 10.DEC.2024 21:03:18

802.11ac20_5825MHz 17.728MHz



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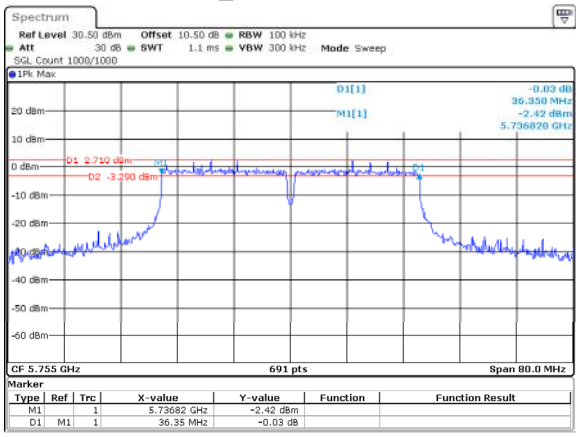
Date: 10.DEC.2024 21:05:11

802.11ac40_5755MHz 36.350MHz



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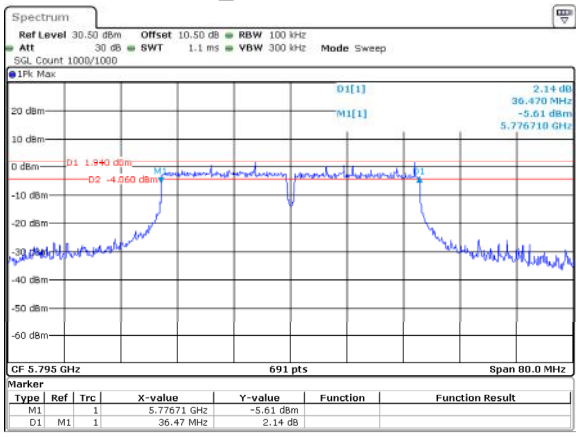
Date: 10.DEC.2024 21:38:12

802.11ac40_5795MHz 36.470MHz



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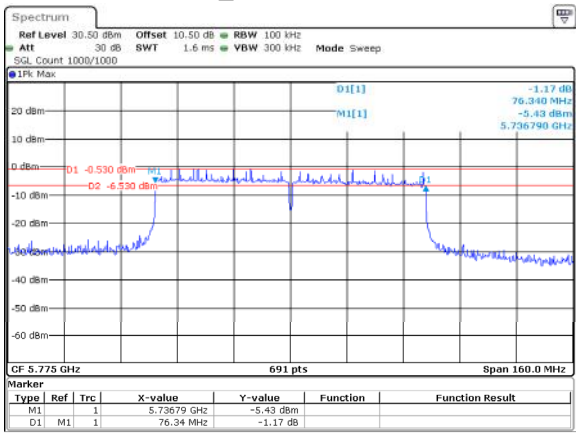
Date: 10.DEC.2024 21:41:03

802.11ac80_5775MHz 77.340MHz



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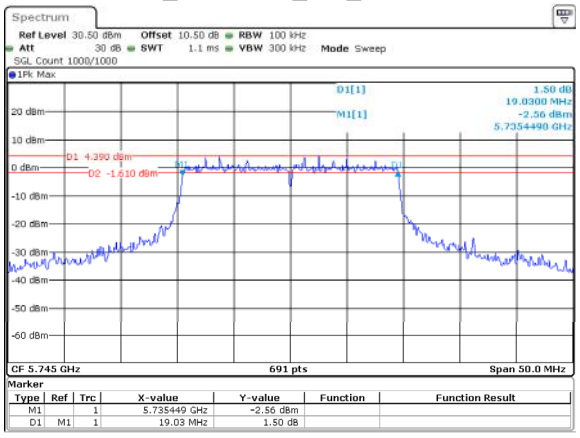
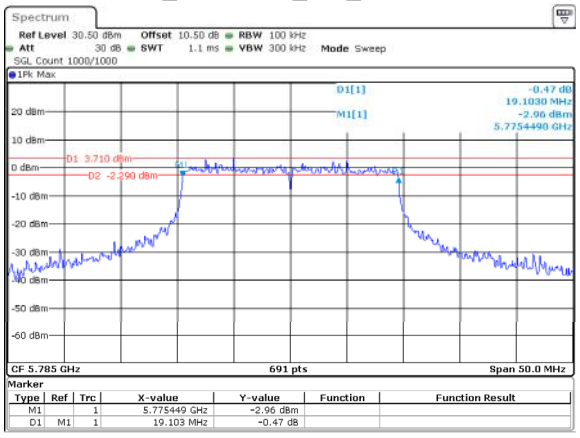
Date: 10.DEC.2024 21:50:53

802.11ax20_5745MHz_RU_Full 19.030MHz



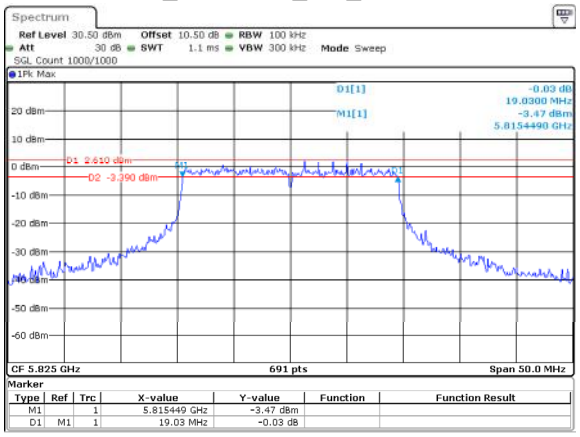
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 10.DEC.2024 21:10:23

802.11ax20_5785MHz_RU_Full 19.103MHz



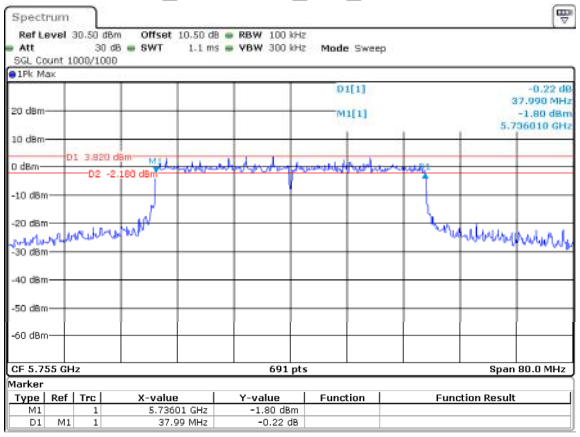
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 10.DEC.2024 21:16:42

802.11ax20_5825MHz_RU_Full 19.030MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 10.DEC.2024 21:21:27

802.11ax40_5755MHz_RU_Full 37.990MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
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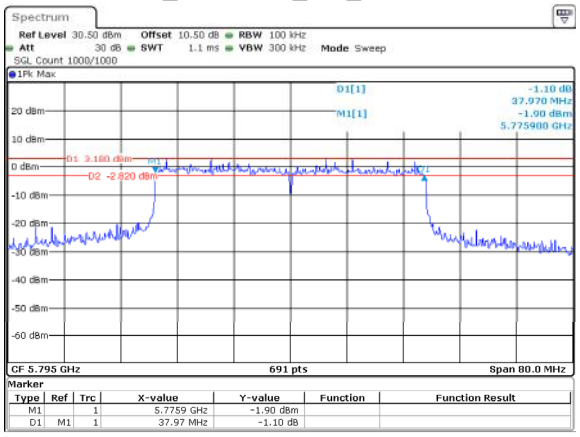
802.11ax40_5795MHz_RU_Full 37.970MHz



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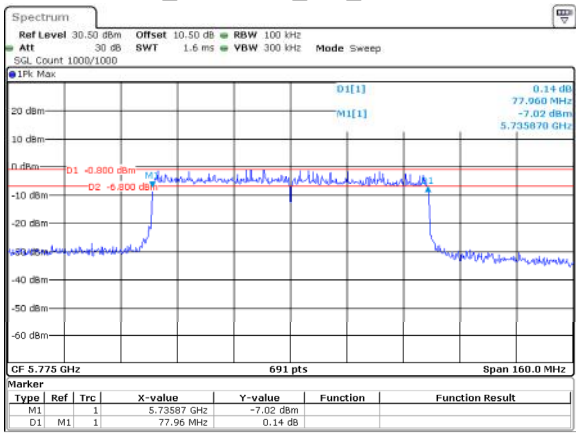
Date: 10.DEC.2024 21:43:27

802.11ax80_5775MHz_RU_Full 77.960MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 10.DEC.2024 21:52:06

Maximum Conducted Output Power

Test Information:

Sample No.:	2SLQ-7	**Test Date:**	2024/11/14~2024/11/17
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Brian Li	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	25-26	**Relative Humidity: (%)**	44-45	**ATM Pressure: (kPa)**	101

Test Data:

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	14.44	24	Pass
	5200	13.74	24	Pass
	5240	13.70	24	Pass
	5745	18.13	30	Pass
	5785	17.02	30	Pass
	5825	16.89	30	Pass
802.11ac20	5180	18.72	24	Pass
	5200	18.51	24	Pass
	5240	17.63	24	Pass
	5745	14.98	30	Pass
	5785	14.27	30	Pass
	5825	12.94	30	Pass
802.11ac40	5190	12.67	24	Pass
	5230	12.66	24	Pass
	5755	16.11	30	Pass
	5795	15.22	30	Pass
802.11ac80	5210	11.65	24	Pass
	5775	14.73	30	Pass
802.11ax20	5180	13.25	24	Pass
	5200	12.57	24	Pass
	5240	12.3	24	Pass
	5745	15.21	30	Pass
	5785	14.44	30	Pass
	5825	12.95	30	Pass
802.11ax40	5190	11.55	24	Pass
	5230	10.58	24	Pass
	5755	17.49	30	Pass
	5795	16.07	30	Pass
802.11ax80	5210	12.49	24	Pass
	5775	16.45	30	Pass

Power Spectral Density

Test Information:

Sample No.:	2SLQ-7	**Test Date:**	2024/11/14~2024/11/17
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Brian Li	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	25-26	**Relative Humidity: (%)**	44-45	**ATM Pressure: (kPa)**	101

Test Data:

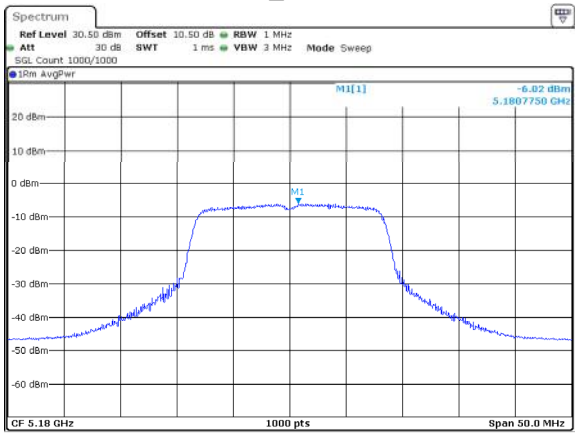
Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit* (dBm/MHz)	Verdict
802.11a	5180	-6.02	9.15	3.13	11	Pass
	5200	-6.15	9.15	3.00	11	Pass
	5240	-5.81	9.15	3.34	11	Pass
	5745	-4.96	9.16	4.20	30	Pass
	5785	-6.12	9.16	3.04	30	Pass
	5825	-7.25	9.16	1.91	30	Pass
802.11ac20	5180	2.67	4.73	7.40	11	Pass
	5200	2.26	4.73	6.99	11	Pass
	5240	2.26	4.73	6.99	11	Pass
	5745	-4.18	4.73	0.55	30	Pass
	5785	-5.04	4.73	-0.31	30	Pass
	5825	-6.19	4.73	-1.46	30	Pass
802.11ac40	5190	-6.63	4.89	2.26	11	Pass
	5230	-5.74	4.89	-0.85	11	Pass
	5755	-6.70	5.09	-1.61	30	Pass
	5795	-7.44	5.09	-2.35	30	Pass
802.11ac80	5210	-10.98	5.08	-5.90	11	Pass
	5775	-10.15	5.08	-5.07	30	Pass
802.11ax20	5180	-3.82	5.55	1.73	11	Pass
	5200	-4.23	5.55	1.32	11	Pass
	5240	-4.31	5.55	1.24	11	Pass
	5745	-5.15	4.72	-0.43	30	Pass
	5785	-5.61	4.72	-0.89	30	Pass
	5825	-7.05	4.72	-0.70	30	Pass
802.11ax40	5190	-7.99	5.56	-2.43	11	Pass
	5230	-8.38	5.56	-2.82	11	Pass
	5755	-6.20	5.71	0.93	30	Pass
	5795	-6.43	5.56	-0.14	30	Pass
802.11ax80	5210	-10.32	5.70	-4.62	11	Pass
	5775	-10.77	5.72	-5.07	30	Pass

Result = Reading + Duty Cycle Factor

Note: For the 5725-5850MHz band, the limit unit is dBm/500kHz.

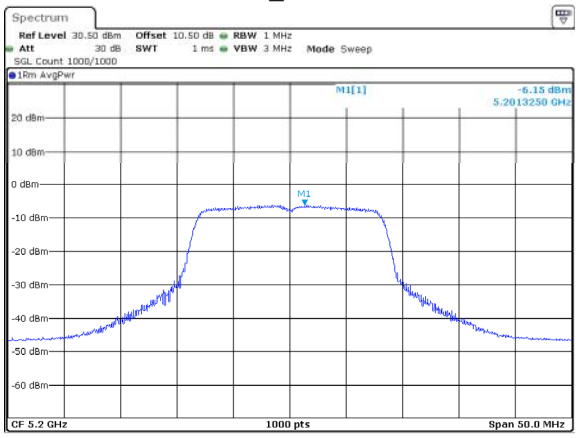
5150-5250MHz

802.11a_5180MHz



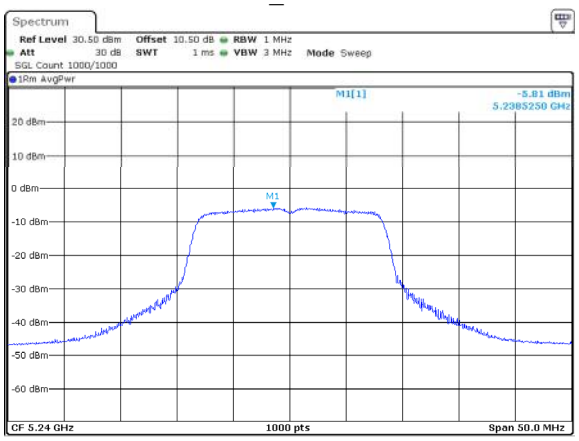
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:12:46

802.11a_5200MHz



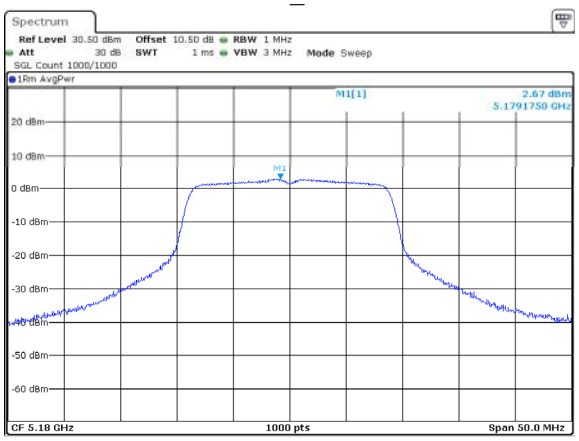
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:14:39

802.11a_5240MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:16:13

802.11ac20_5180MHz



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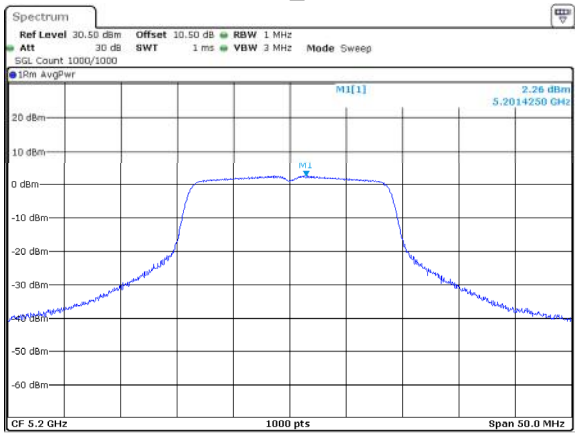
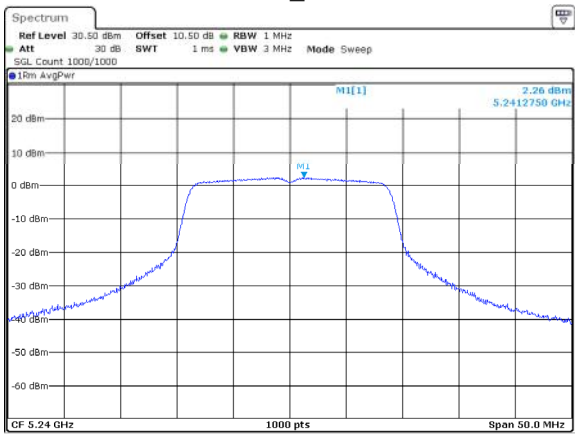
Date: 14.NOV.2024 22:18:49

802.11ac20_5200MHz



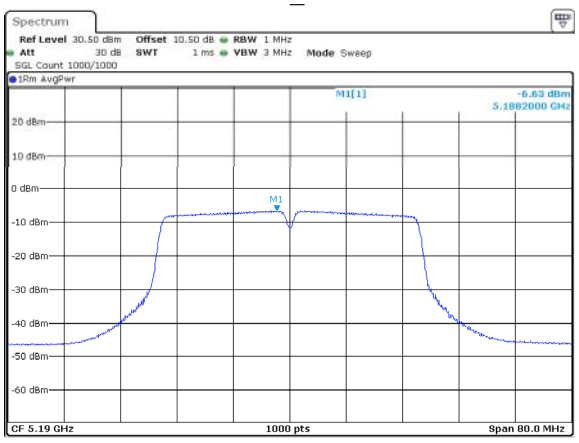
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:52:42

802.11ac20_5240MHz

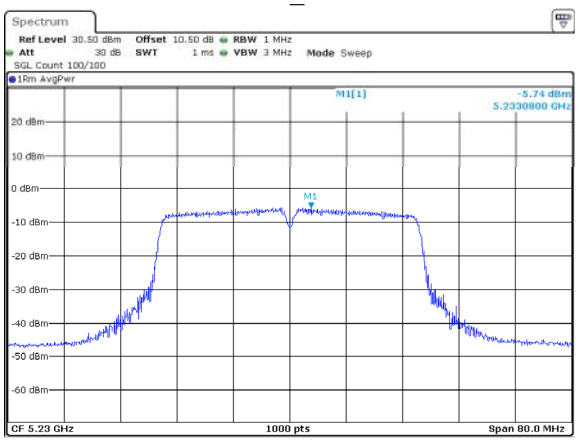


ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:54:46

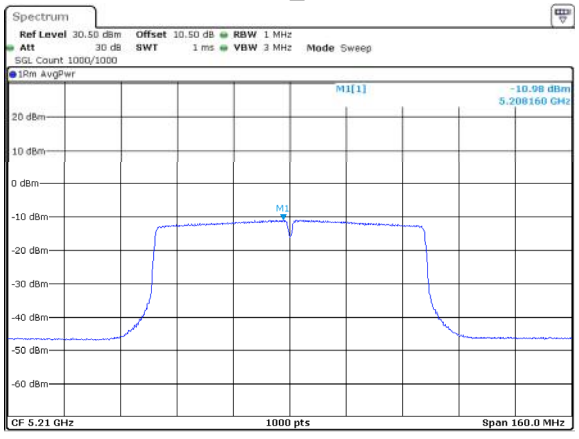
802.11ac40_5190MHz



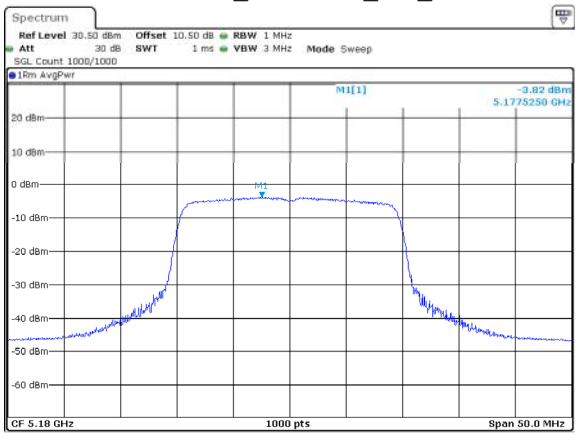
802.11ac40_5230MHz



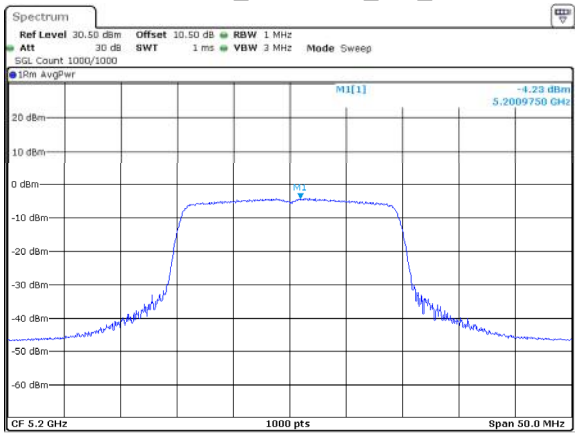
802.11ac80_5210MHz



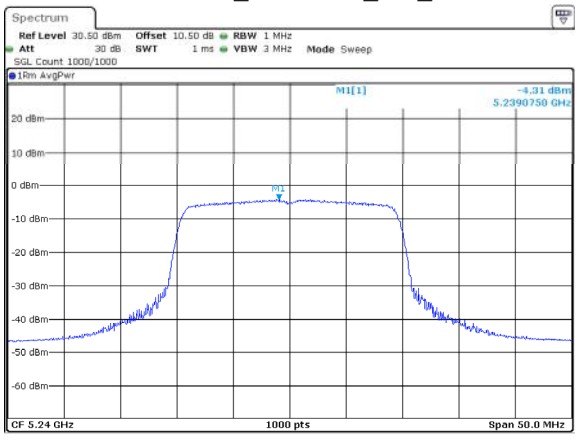
802.11ax20_5180MHz_RU_Full



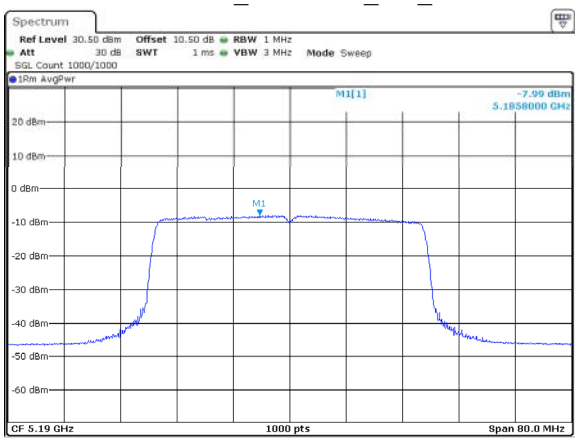
802.11ax20_5200MHz_RU_Full



802.11ax20_5240MHz_RU_Full

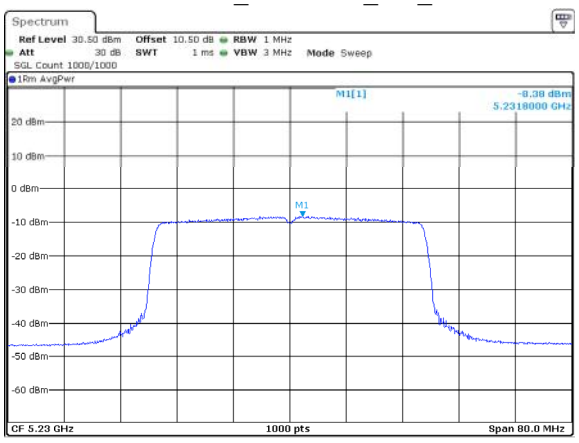


802.11ax40_5190MHz_RU_Full



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:31:36

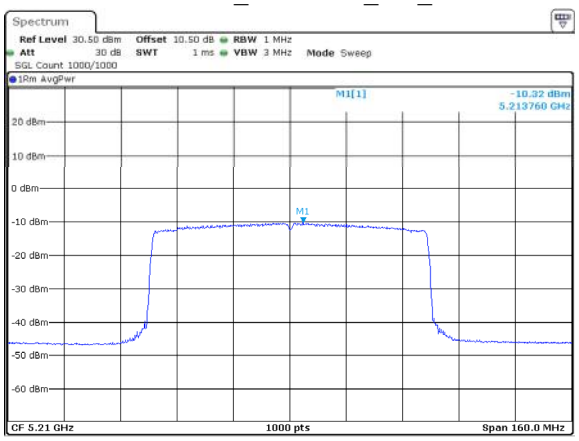
802.11ax40_5230MHz_RU_Full



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:38:16

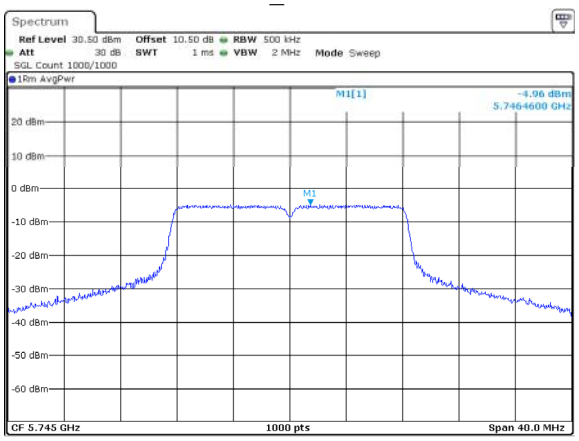
5725-5850MHz

802.11ax80_5210MHz_RU_Full



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:35:54

802.11a_5745MHz



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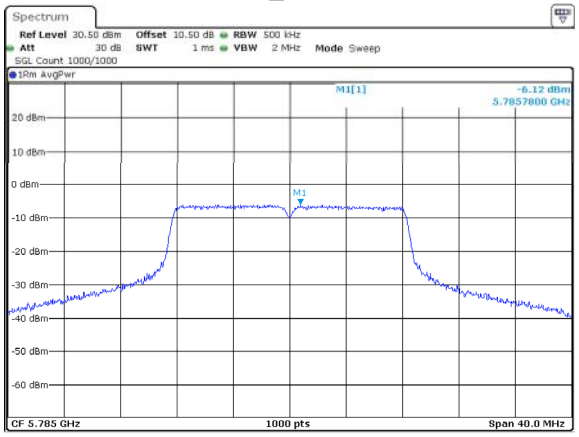
Date: 17.NOV.2024 20:57:14

802.11a_5785MHz



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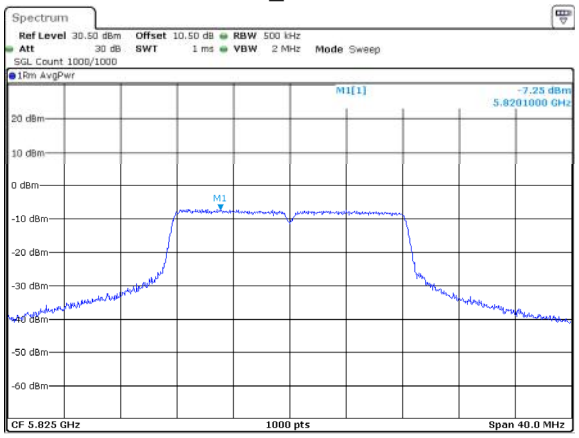
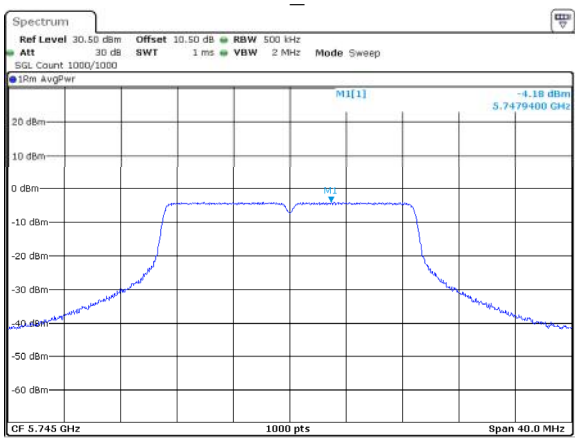
Date: 17.NOV.2024 20:58:37

802.11a_5825MHz



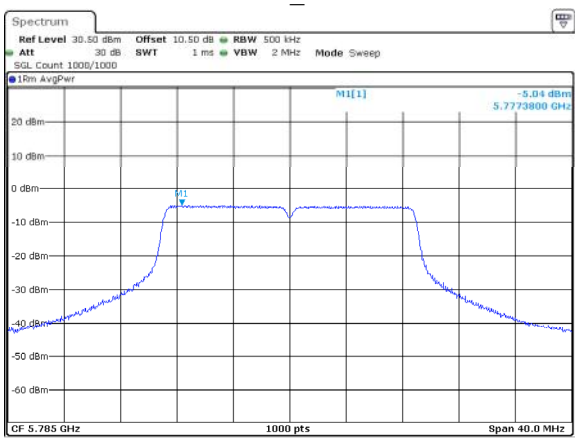
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 21:19:08

802.11ac20_5745MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:28:17

802.11ac20_5785MHz



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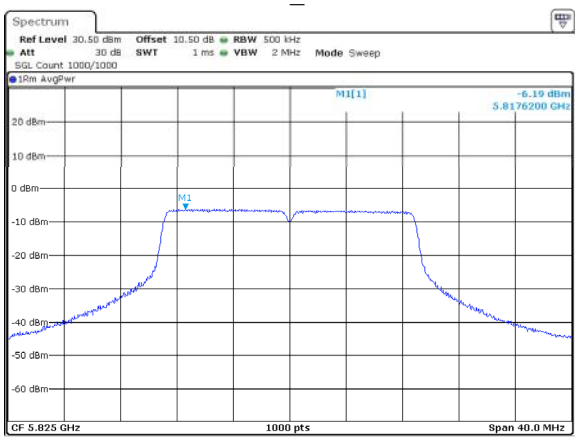
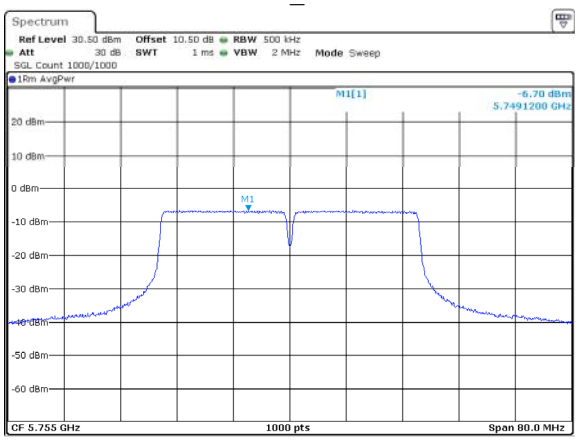
Date: 17.NOV.2024 23:30:44

802.11ac20_5825MHz



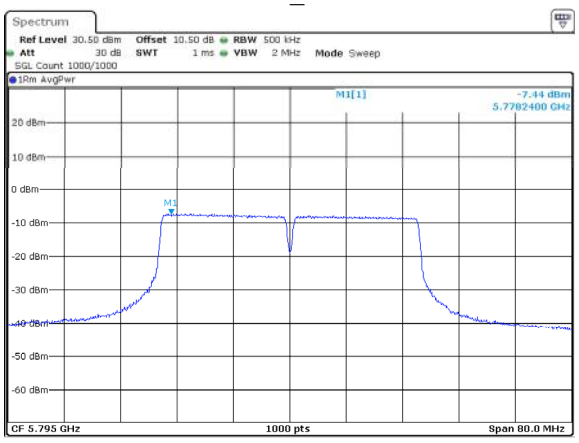
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:32:57

802.11ac40_5755MHz



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:34:29

802.11ac40_5795MHz



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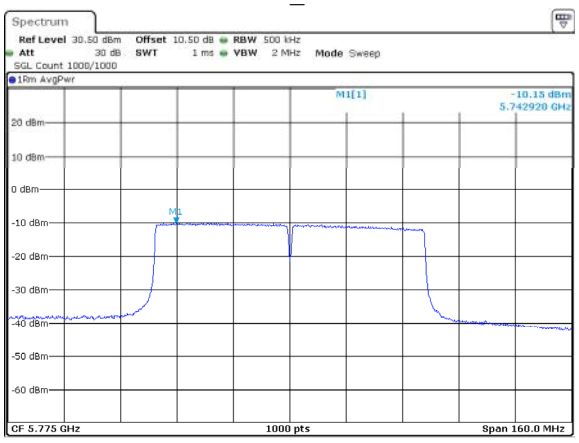
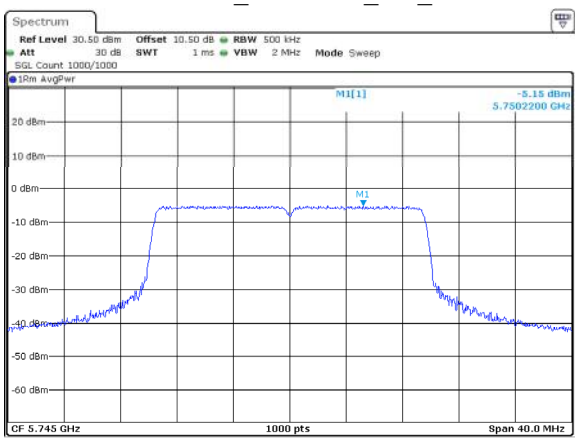
Date: 17.NOV.2024 23:37:07

802.11ac80_5775MHz



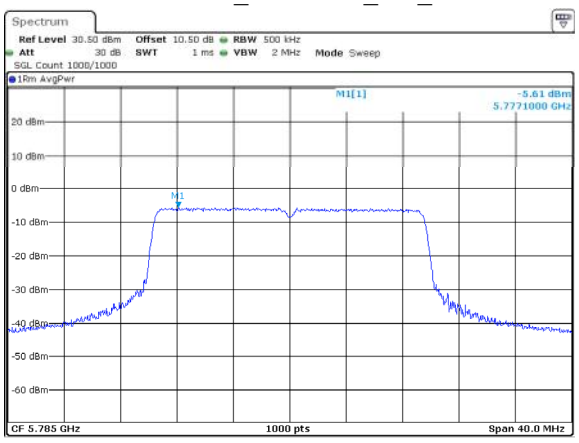
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:38:05

802.11ax20_5745MHz_RU_Full



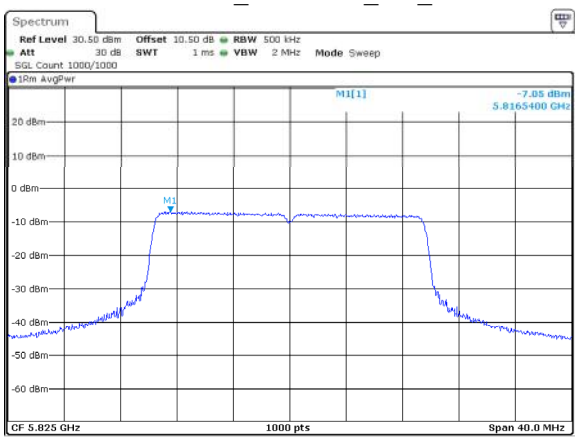
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:07:54

802.11ax20_5785MHz_RU_Full



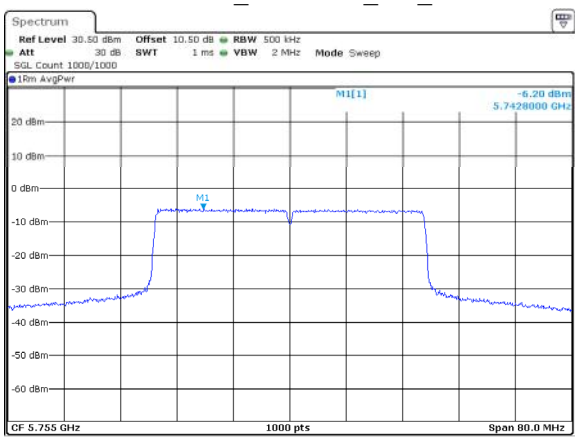
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:10:21

802.11ax20_5825MHz_RU_Full



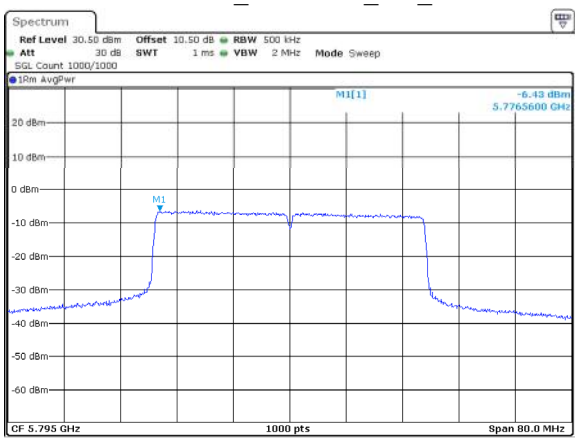
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:12:26

802.11ax40_5755MHz_RU_Full



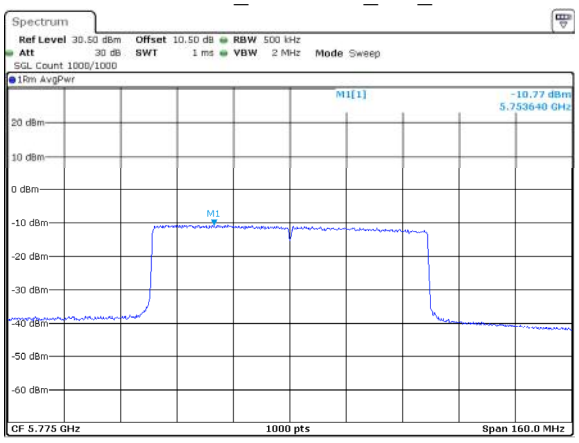
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:20:02

802.11ax40_5795MHz_RU_Full



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:17:49

802.11ax80_5775MHz_RU_Full



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 17.NOV.2024 23:24:41

Duty Cycle

Test Information:

Sample No.:	2SLQ-7	**Test Date:**	2024/11/01~2024/11/14
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Brian Li	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C):	25-26	**Relative Humidity: (%)**	44-45	**ATM Pressure: (kPa)**	101

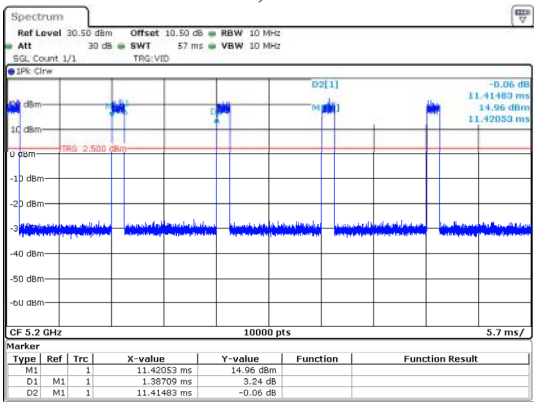
Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.387	11.415	12.15	9.15	721	1.000
	5785	1.382	11.402	12.12	9.16	724	1.000
802.11ac20	5200	5.093	15.128	33.67	4.73	196	0.300
	5785	5.081	15.103	33.64	4.73	197	0.300
802.11ac40	5190	4.832	14.913	32.40	4.89	207	0.300
	5755	4.897	15.804	30.99	5.09	204	0.300
802.11ac80	5210	4.505	14.526	31.01	5.08	222	0.300
	5775	4.512	14.533	31.05	5.08	222	0.300
802.11ax20	5200	3.866	13.890	27.83	5.55	259	0.300
	5785	5.097	15.126	33.70	4.72	196	0.300
802.11ax40	5190	3.866	13.897	27.82	5.56	259	0.300
	5755	3.864	14.395	26.84	5.71	259	0.300
802.11ax80	5210	3.689	13.720	26.89	5.70	271	0.300
	5775	3.667	13.698	26.77	5.72	273	0.300

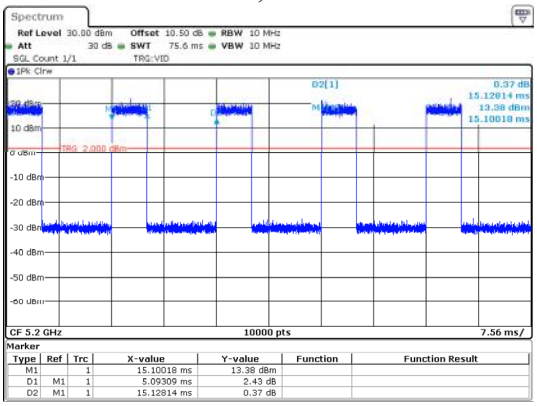
Duty Cycle = Ton/(Ton+Toff)*100%

5150~5250

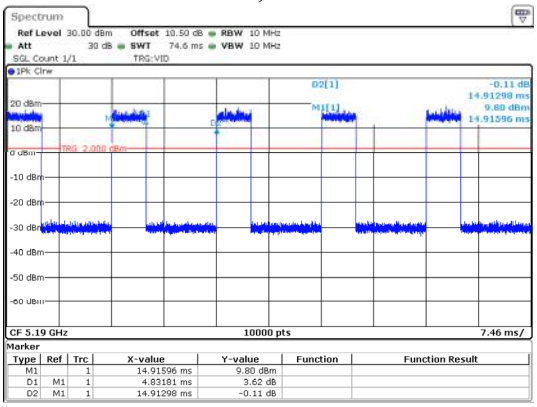
802.11a_5200MHz
1.387ms,11.415ms



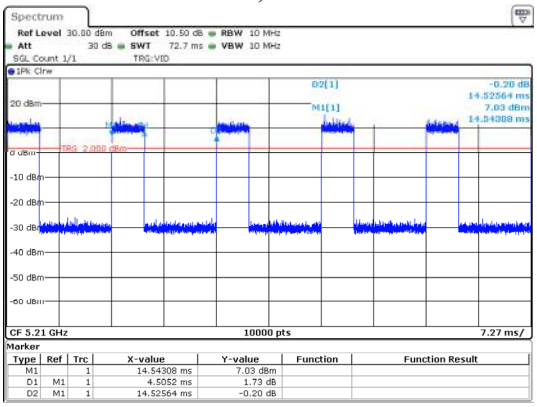
802.11ac20_5200MHz
5.093ms,15.128ms



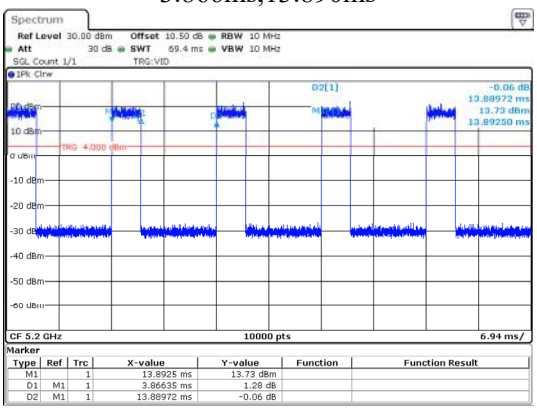
802.11ac40_5190MHz
4.832ms,14.913ms



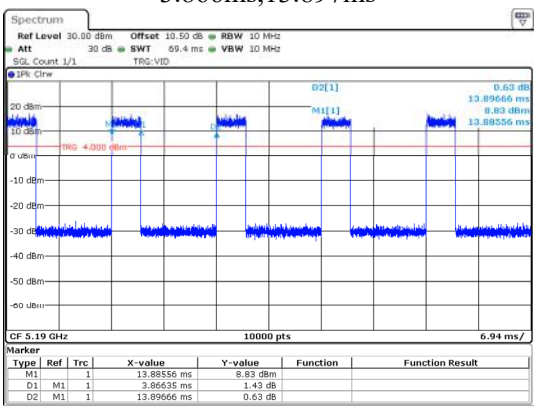
802.11ac80_5210MHz
4.505ms,14.526ms



802.11ax20_5200MHz_RU_Full
3.866ms,13.890ms

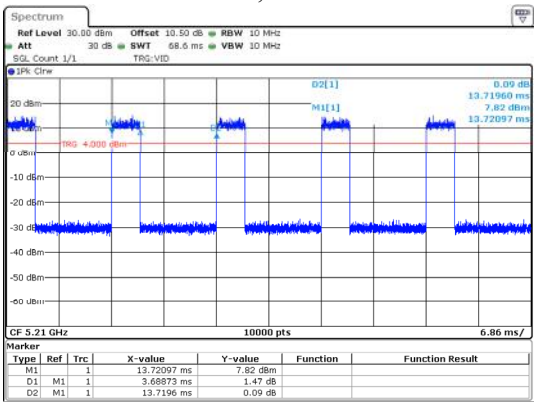


802.11ax40_5190MHz_RU_Full
3.866ms,13.897ms



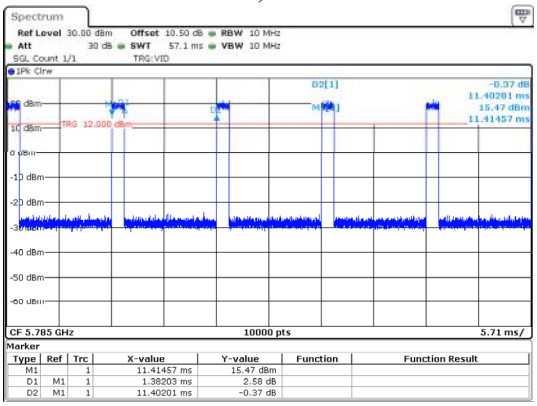
5725~5850

802.11ax80_5210MHz_RU_Full
3.689ms,13.720ms



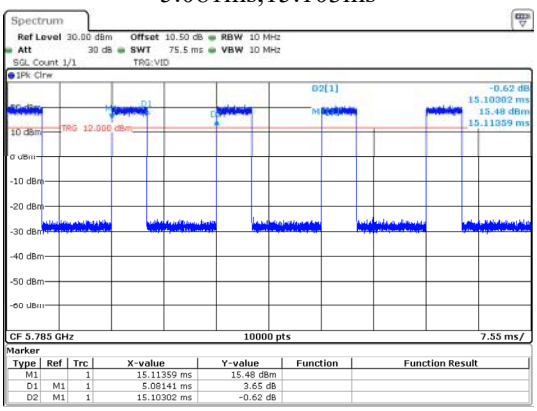
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 21:25:15

802.11a_5785MHz
1.382ms,11.402ms



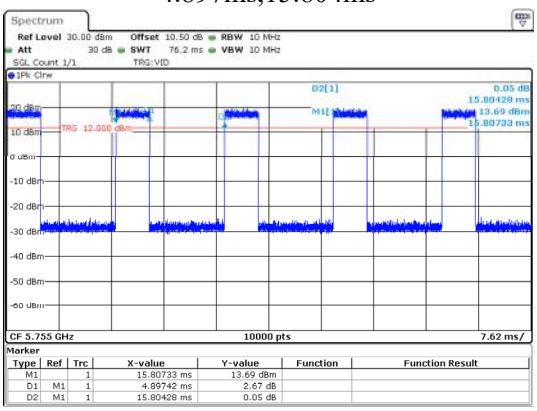
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:42:17

802.11ac20_5785MHz
5.081ms,15.103ms



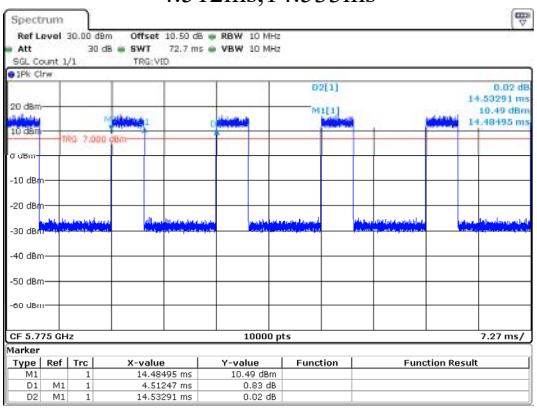
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:44:18

802.11ac40_5755MHz
4.897ms,15.804ms



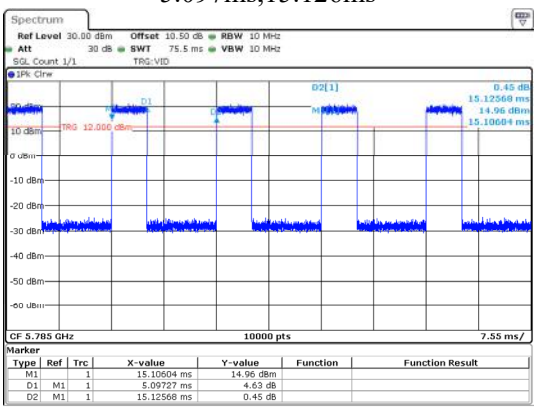
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:47:49

802.11ac80_5775MHz
4.512ms,14.533ms



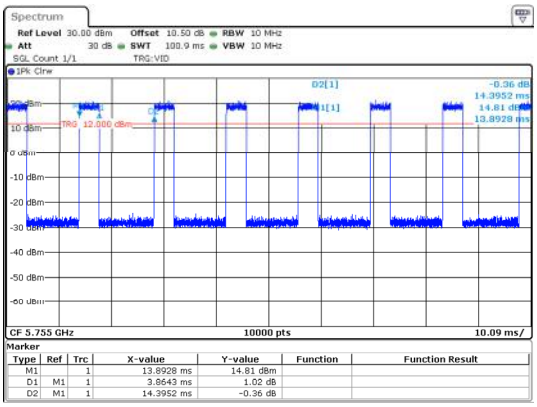
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:50:32

802.11ax20_5785MHz_RU_Full
5.097ms,15.126ms



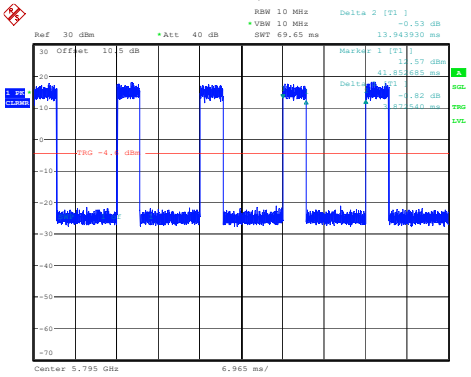
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:45:34

802.11ax40_5755MHz_RU_Full
3.864ms,14.395ms



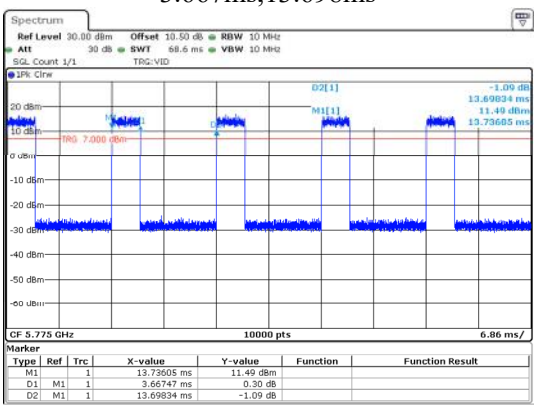
ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:49:20

802.11ax40_5795MHz_RU_Full
3.873ms,13.944ms



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 1.NOV.2024 23:50:11

802.11ax80_5775MHz_RU_Full
3.667ms,13.698ms



ProjectNo.:2401Y98612E-RF Tester:Brian Li
Date: 14.NOV.2024 22:52:08

RF EXPOSURE EVALUATION

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247 (i) and subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 Interim General RF Exposure Guidance

MPE-Based Exemption:
General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemptionfrom further evaluation from 300 kHz through 100 GHz.

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

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

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

Result

Mode	Frequency (MHz)	Tune up conducted power#(dBm)	Antenna Gain#		ERP		Evaluation Distance (m)	ERP Limit (W)
			(dBi)	(dBd)	(dBm)	(W)		
5G Wi-Fi	5150-5250	19.0	3.6	1.45	20.45	0.111	0.2	0.768
	5725-5850	18.5	3.6	1.45	19.95	0.099	0.2	0.768

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

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

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2401Y98612E-RF External photo and 2401Y98612E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401Y98612E-RF-00B Test Setup photo.

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