TEST REPORT

Applicant Name:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.
Address:	No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China
Report Number:	2401V67572E-RF-00
FCC ID:	T2C-AX83H

Test Standard (s)

FCC PART 15.407

Sample Description

Product Type:	Wi-Fi IP Phone
Model No.:	AX83H
Multiple Model(s) No.:	N/A
Trade Mark:	Yealink
Date Received:	2024/08/01
Issue Date:	2024/12/13

Test Result:	Pass▲

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

Prepared and Checked By:

Gala Liu

RF Engineer

Approved By:

Nancy Wang

RF Supervisor

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

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401V67572E-RF-00	Original Report	2024/12/13

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Wi-Fi IP Phone
Tested Model	AX83H
Multiple Model(s)	N/A
Frequency Range	5G Wi-Fi: 5150-5250MHz; 5250-5350MHz; 5470-5725MHz; 5725-5850MHz
Mode	802.11a/n20/n40/ac20/ac40/ax20/ax40
Maximum Conducted Average Output Power	5150-5250MHz: 15.71dBm 5250-5350MHz: 16.48dBm 5470-5725MHz: 11.86dBm 5725-5850MHz: 18.04dBm
Modulation Technique	OFDM, OFDMA
Antenna Specification#	Band 1/2/3/4: 1.51dBi (provided by the applicant)
Voltage Range	DC 3.80V from Battery or DC 5V from Type-C Port or DC 5V from Adapter
Sample serial number	2PBE-1 for Conducted and Radiated Emissions Test 2PBE-6 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Adapter 1 Model: YLPS051200B1-US Input: 100-240V~50/60Hz 0.2A Output: 5.0V, 1.2A Adapter 2 Model: YLPS051200C1-US Input: 100-240V~50/60Hz 0.2A Output: 5.0V, 1.2A
Note: The EUT powered by Type-C Port or Charger, the worst case powered by Charger with adapter 1 was selected to test for AC line conducted emission according to DSS report test result and the worst case powered by Charger with adapter 1 was selected to test for radiated emission below 1GHz according to DTS report test result.	

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions rules.

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

Test Methodology

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

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

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF Frequency		213.55 Hz(k=2, 95% level of confidence)
RF output power, conducted		0.72 dB(k=2, 95% level of confidence)
Unwanted Emission, conducted		1.75 dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz-150kHz	3.94dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.84dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz - 30MHz	3.30dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	4.48dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	4.55dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	4.85dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.05dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.35dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.44dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.16dB(k=2, 95% level of confidence)
Temperature		±1℃
Humidity		±1%
Supply voltages		±0.4%

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

Test Facility

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

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

SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

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

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

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

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

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

For 802.11a/ac20/ax20 mode: channel 52, 56, 64 were tested;
For 802.11ac40/ax40 mode: channel 54, 62 were tested.

For 5470-5725MHz Band, 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580
102	5510	132	5660
104	5520	134	5670
108	5540	136	5680
110	5550	140	5700
112	5560	/	/

For 802.11a/ac20/ax20 mode: channel 100, 116, 140 were tested;
For 802.11ac40/ax40 mode: channel 102, 110, 134 were tested.

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

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

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

EUT Exercise Software

"Authentication Tool.exe V 2.0.11.0"[#] software was used and power level as below. The software and power level was provided by the applicant. The device was tested with the worst case was performed as below:

5150-5250 MHz Band:				
Test Modes	**Test Channels**	**Test Frequency (MHz)**	**Data rate**	**Power Level Setting#**
802.11a	Lowest	5180	6Mbps	14
	Middle	5200	6Mbps	14
	Highest	5240	6Mbps	14
802.11ac-VHT20	Lowest	5180	MCS0	14
	Middle	5200	MCS0	14
	Highest	5240	MCS0	14
802.11ac-VHT40	Lowest	5190	MCS0	13
	Highest	5230	MCS0	13
802.11ax-HE20	Lowest	5180	MCS0	13
	Middle	5200	MCS0	13
	Highest	5240	MCS0	13
802.11ax-HE40	Lowest	5190	MCS0	12
	Highest	5230	MCS0	12
5250-5350 MHz Band:				
Test Modes	**Test Channels**	**Test Frequency (MHz)**	**Data rate**	**Power Level Setting#**
802.11a	Lowest	5260	6Mbps	14
	Middle	5280	6Mbps	14
	Highest	5320	6Mbps	14
802.11ac-VHT20	Lowest	5260	MCS0	13
	Middle	5280	MCS0	13
	Highest	5320	MCS0	13
802.11ac-VHT40	Lowest	5270	MCS0	11
	Highest	5310	MCS0	11
802.11ax-HE20	Lowest	5260	MCS0	12
	Middle	5280	MCS0	12
	Highest	5320	MCS0	12
802.11ax-HE40	Lowest	5270	MCS0	11
	Highest	5310	MCS0	11

5470-5725 MHz Band:				
Test Modes	**Test Channels**	**Test Frequency (MHz)**	**Data rate**	**Power Level Setting#**
802.11a	Lowest	5500	6Mbps	8
	Middle	5580	6Mbps	8
	Highest	5700	6Mbps	8
802.11ac-VHT20	Lowest	5500	MCS0	8
	Middle	5580	MCS0	8
	Highest	5700	MCS0	8
802.11ac-VHT40	Lowest	5510	MCS0	8
	Middle	5550	MCS0	8
	Highest	5670	MCS0	8
802.11ax-HE20	Lowest	5500	MCS0	8
	Middle	5580	MCS0	8
	Highest	5700	MCS0	8
802.11ax-HE40	Lowest	5510	MCS0	8
	Middle	5550	MCS0	8
	Highest	5670	MCS0	8
5725-5850 MHz Band:				
Test Modes	**Test Channels**	**Test Frequency (MHz)**	**Data rate**	**Power Level Setting#**
802.11a	Lowest	5745	6Mbps	14
	Middle	5785	6Mbps	14
	Highest	5825	6Mbps	14
802.11ac-VHT20	Lowest	5745	MCS0	14
	Middle	5785	MCS0	14
	Highest	5825	MCS0	14
802.11ac-VHT40	Lowest	5755	MCS0	14
	Highest	5795	MCS0	14
802.11ax-HE20	Lowest	5745	MCS0	14
	Middle	5785	MCS0	14
	Highest	5825	MCS0	14
802.11ax-HE40	Lowest	5755	MCS0	14
	Highest	5795	MCS0	14

Note:
1. The worst-case data rates are determined to be as follows for each mode based upon inverstigation by measuring the average power, Power and PSD across all data rates bandwidths, and modulations.
2. The n20/n40 mode was reduced test as identical parameter with ac20/ac40 mode.
3. For 802.11ax modes, the device not support partial RU mode.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

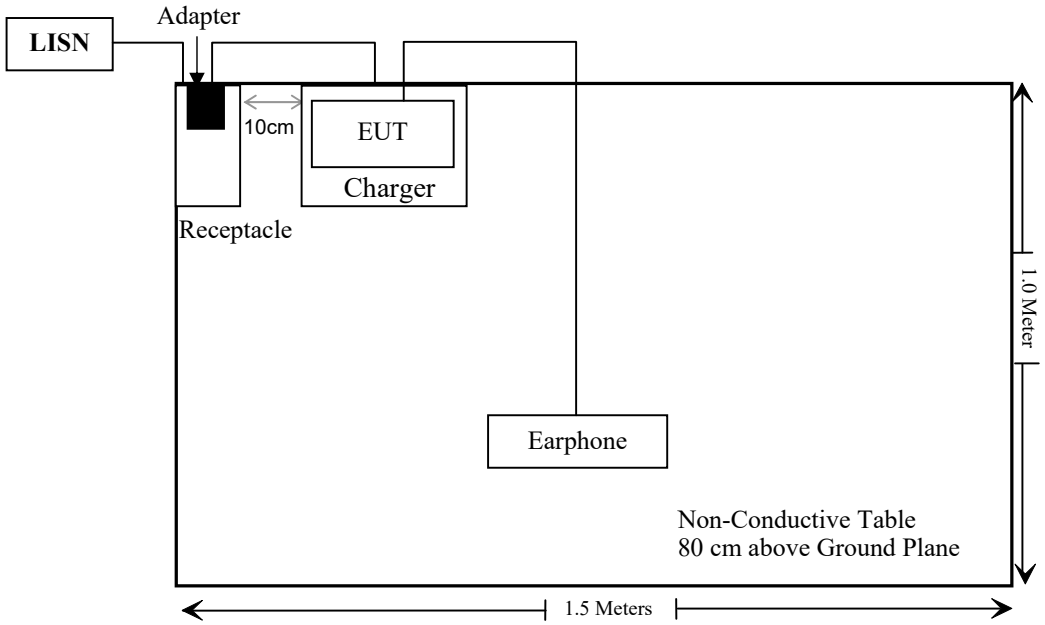
Manufacturer	Description	Model	Serial Number
Unknown	Receptacle	Unknown	Unknown
Guang dong Beicom Electronics Co.,LTD	Adapter	TN-050200E3	Unknown
Unknown	Earphone	Unknown	Unknown

External I/O Cable

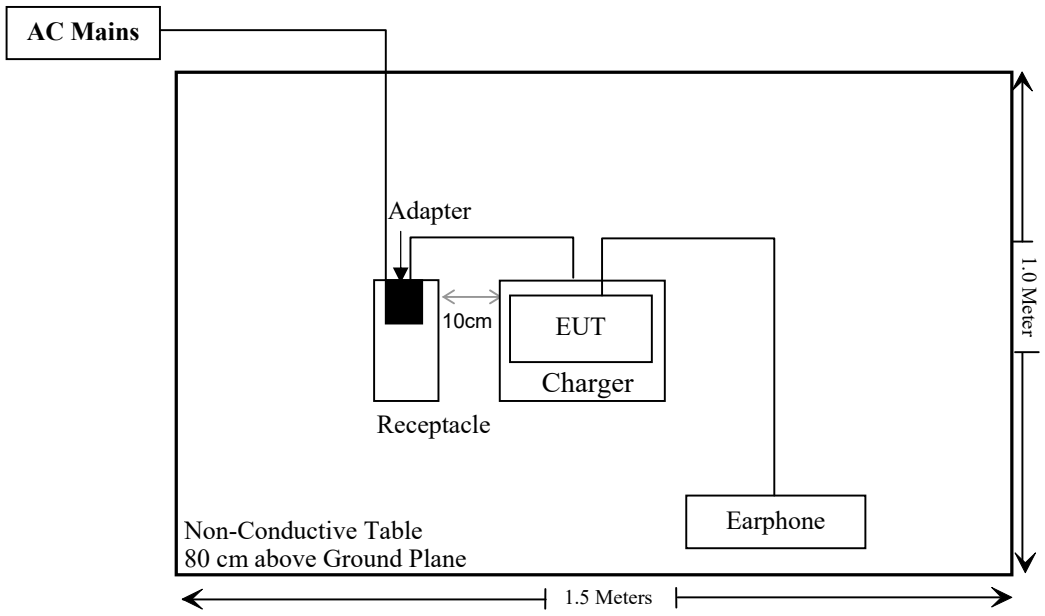
Cable Description	Length (m)	From Port	To
Un-shielded Un-Detachable AC Cable	1.5	Receptacle	LISN/AC Mains
Un-shielding Un-Detachable DC Cable	2.0	Adapter	Charger
Un-shielding Detachable Audio Cable	1.2	EUT	Earphone

Block Diagram of Test Setup

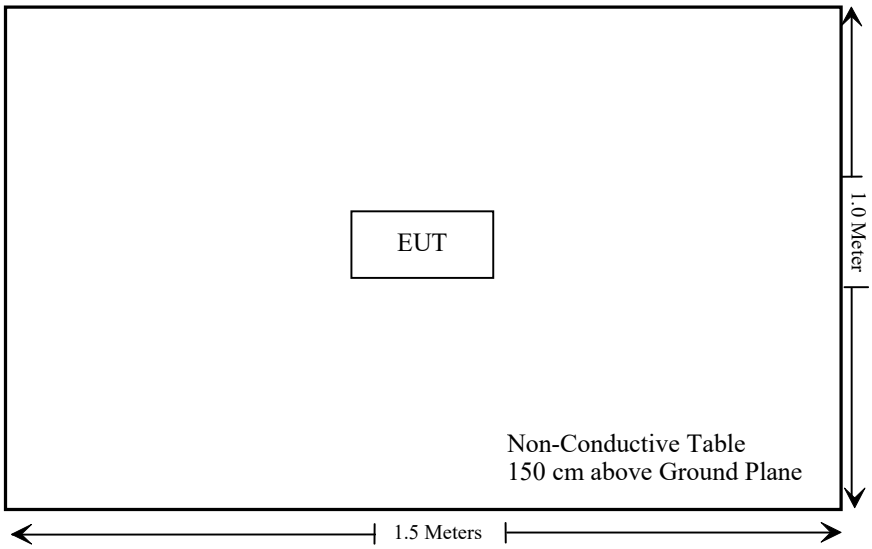
For Conducted Emissions:



For Radiated Emissions below 1GHz:



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.407(b)(9)& §15.207(a)	Conducted Emissions	Compliant
§15.205& §15.209 &§15.407(b)	Undesirable Emission& Restricted Bands	Compliant
§15.407(a) (e)	26 dB Emission Bandwidth & 6dB Bandwidth	Compliant
§15.407(a)	Conducted Transmitter Output Power	Compliant
§15.407 (a)	Power Spectral Density	Compliant
§15.407 (h)	Transmit Power Control (TPC)	Not Applicable
§15.407 (h)	Dynamic Frequency Selection (DFS)	Compliant*
C63.10 §11.6	Duty Cycle	/

Compliant*: Please refer to the DFS report 2401V67572E-RFC.
Not Applicable: For 5250-5350MHz/5470-5725MHz, the maximum EIRP is 17.99dBm≤27dBm (500mW).

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/01/16	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
Rohde & Schwarz	EMC Measurement	EMC32	V8.53.0	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
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
Unknown	RF Cable	XH750A-N	J-10M	2024/06/18	2025/06/17
JD	Multiplex Switch Test Control Set	DT7220FSU	DQ77926	2024/06/18	2025/06/17
A.H.System	Pre-amplifier	PAM-1840VH	190	2024/06/18	2025/06/17
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17
Audix	EMI Test software	E3	191218(V9)	NCR	NCR

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Tonscend	RF control Unit	JS0806-2	19D8060154	2024/08/06	2025/08/05
Rohde &Schwarz	Spectrum Analyzer	FSV40	101473	2024/01/16	2025/01/15
ANRITSU	Microwave peak power sensor	MA24418A	12622	2024/05/21	2025/05/20
Narda	20dB Attenuator	99899	0107	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).

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Antenna Connector Construction

The EUT has one internal antenna which was permanently attached, and the maximum antenna gain[#] is 1.51dBi, fulfill the requirement of this section. Please refer to the EUT photos.

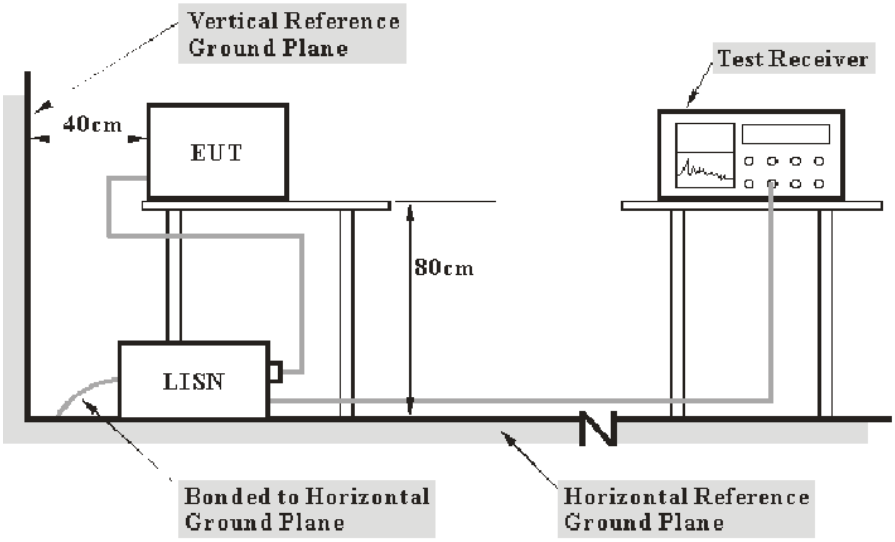
Result: Compliant

FCC §15.407 (b) (6) §15.207 (a) - CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207, §15.407(b) (6)

EUT Setup



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

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

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

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

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

Test Procedure

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

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

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

Corrected Factor & Margin Calculation

The Corrected Factor (Corr.) is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Correction Factor (Corr.) = LISN VDF + Cable Loss + Transient Limiter Attenuation

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

Margin = Limit – Corrected Amplitude

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

Test Data

Environmental Conditions

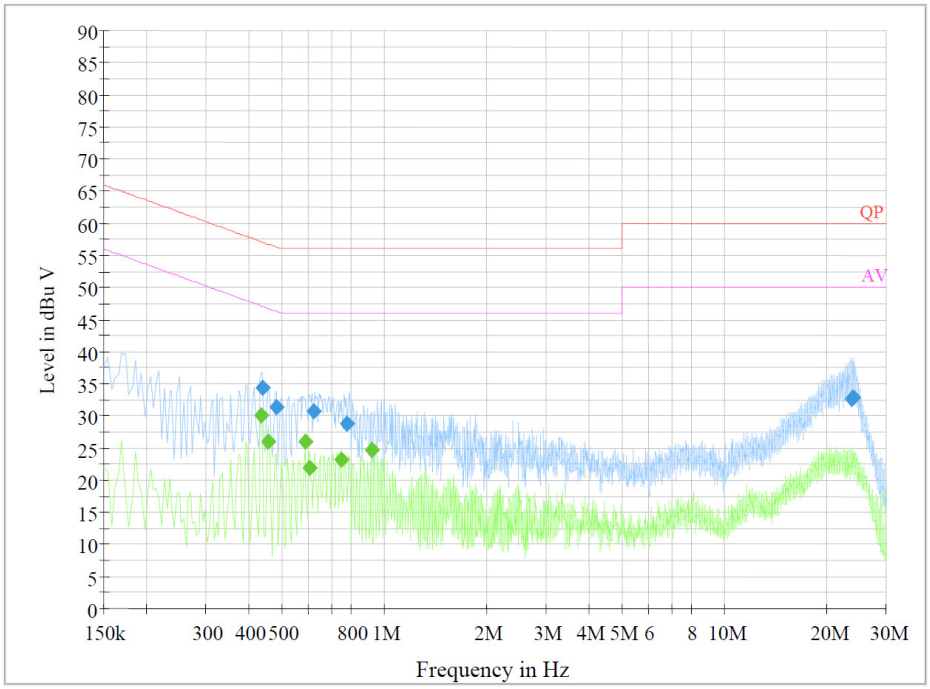
Temperature:	23.1 °C
Relative Humidity:	52 %
ATM Pressure:	101.2 kPa

The testing was performed by Macy Shi on 2024-12-13.

EUT operation mode: Transmitting (Maximum output power mode, 802.11 ac40 5755MHz)

AC 120V/60 Hz, Line

Project No.:	2401V67572E-RF	**Environmental Conditions:**	23.1°C 52%RH 101.2kPa
EUT Number:	2PBE-1	**Test By:**	Macy Shi
Test Mode:	802.11 ac40 5755MHz	**Date:**	2024.12.13



Final Result 1

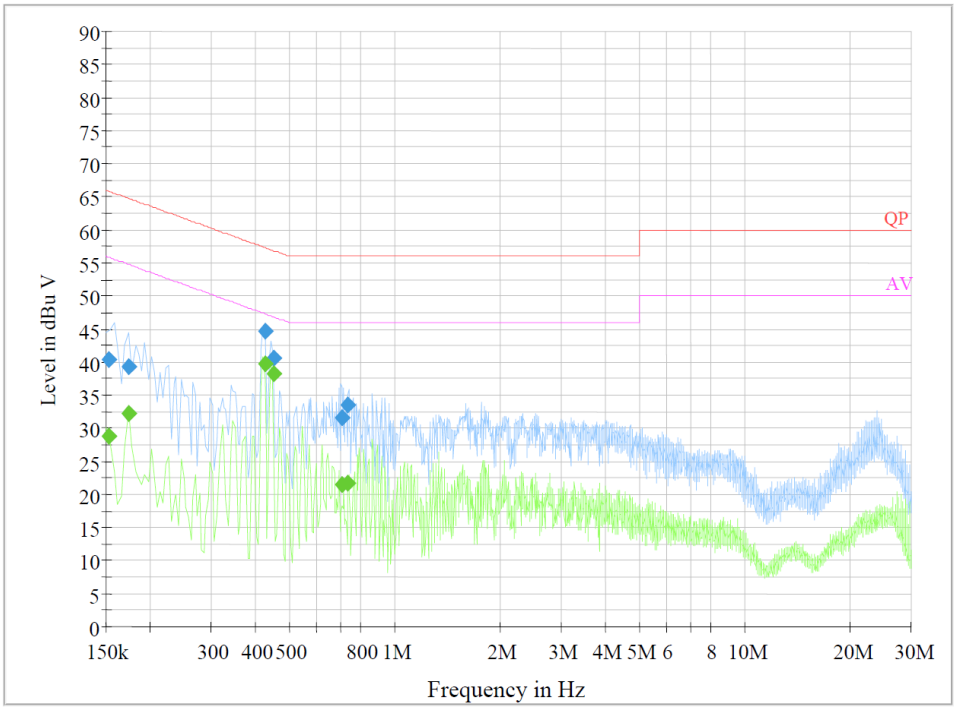
Frequency (MHz)	Quasi Peak (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.439370	34.3	9.000	L1	20.8	22.8	57.1
0.482770	31.4	9.000	L1	20.8	24.9	56.3
0.620610	30.8	9.000	L1	20.8	25.2	56.0
0.782090	28.7	9.000	L1	20.9	27.3	56.0
23.850030	32.6	9.000	L1	20.8	27.4	60.0
23.957230	32.8	9.000	L1	20.8	27.2	60.0

Final Result 2

Frequency (MHz)	Average (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.438000	30.1	9.000	L1	20.8	17.0	47.1
0.458000	26.0	9.000	L1	20.8	20.7	46.7
0.586000	25.9	9.000	L1	20.8	20.1	46.0
0.606000	21.9	9.000	L1	20.8	24.1	46.0
0.750000	23.1	9.000	L1	20.9	22.9	46.0
0.918000	24.7	9.000	L1	21.0	21.3	46.0

AC 120V/60 Hz, Neutral

Project No.:	2401V67572E-RF	**Environmental Conditions:**	23.1°C 52%RH 101.2kPa
EUT Number:	2PBE-1	**Test By:**	Macy Shi
Test Mode:	802.11 ac40 5755MHz	**Date:**	2024.12.13



Final Result 1

Frequency (MHz)	Quasi Peak (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.153500	40.3	9.000	N	21.0	25.5	65.8
0.173500	39.3	9.000	N	20.9	25.5	64.8
0.427670	44.7	9.000	N	20.7	12.6	57.3
0.451310	40.6	9.000	N	20.7	16.3	56.9
0.707410	31.7	9.000	N	20.6	24.3	56.0
0.734870	33.5	9.000	N	20.6	22.5	56.0

Final Result 2

Frequency (MHz)	Average (dB µ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)
0.153500	28.7	9.000	N	21.0	27.1	55.8
0.173500	32.3	9.000	N	20.9	22.5	54.8
0.427670	39.8	9.000	N	20.7	7.5	47.3
0.451310	38.3	9.000	N	20.7	8.6	46.9
0.707410	21.5	9.000	N	20.6	24.5	46.0
0.734870	21.8	9.000	N	20.6	24.2	46.0

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

Applicable Standard

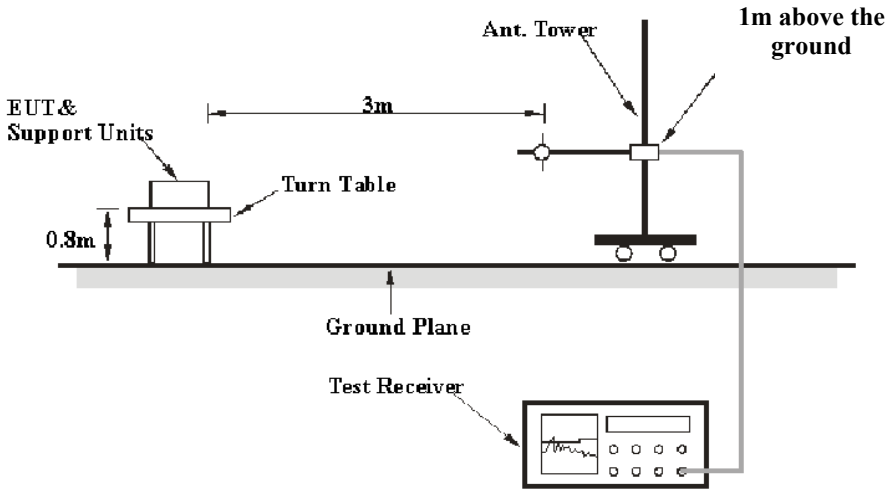
FCC §15.407 (b); §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:
(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(4) For transmitters operating in the 5.725-5.85 GHz band:
(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

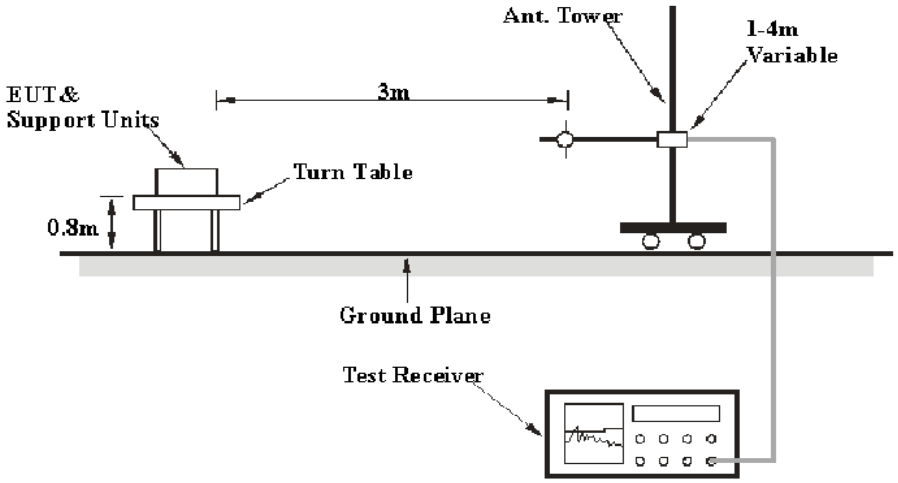
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

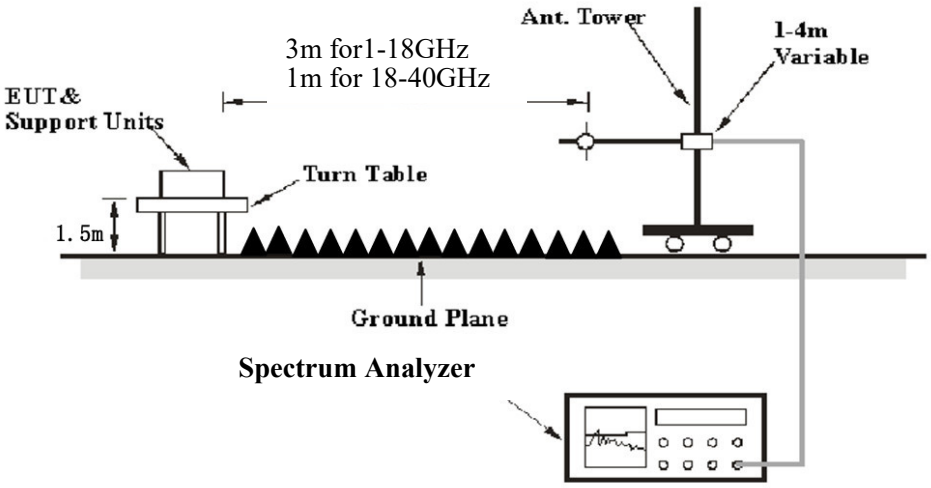
9 kHz-30MHz:



30MHz-1GHz:



Above 1 GHz:



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

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

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9 kHz-1GHz:

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

1-40GHz:

Pre-scan

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

Final measurement for emission identified during pre-scan

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

Note: Ton is minimum transmission duration

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

Test Procedure

Radiated Spurious Emission

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

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

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

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

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

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

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

where

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

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

Factor & Over Limit/Margin Calculation

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

Factor = Antenna Factor + Cable Loss - Amplifier Gain

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

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

Test Data

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	50~54 %
ATM Pressure:	101 kPa

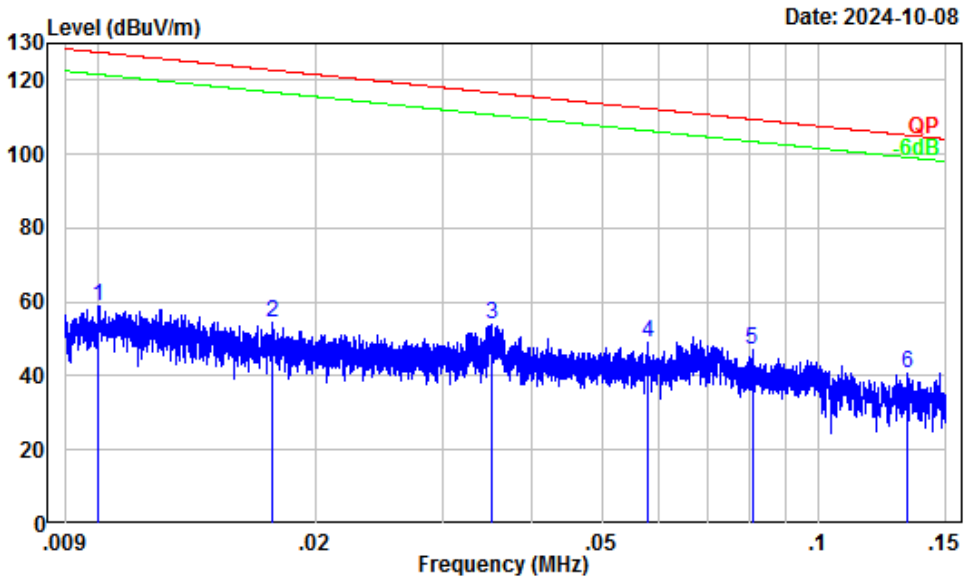
The testing was performed by Carl Zhu on 2024-10-08 for below 1GHz and Dylan Yang from 2024-08-22 to 2024-08-28 for above 1GHz.

EUT operation mode: Transmitting

Note: Pre-scan in the X, Y and Z axes of orientation, the worst case z-axis of orientation was recorded.

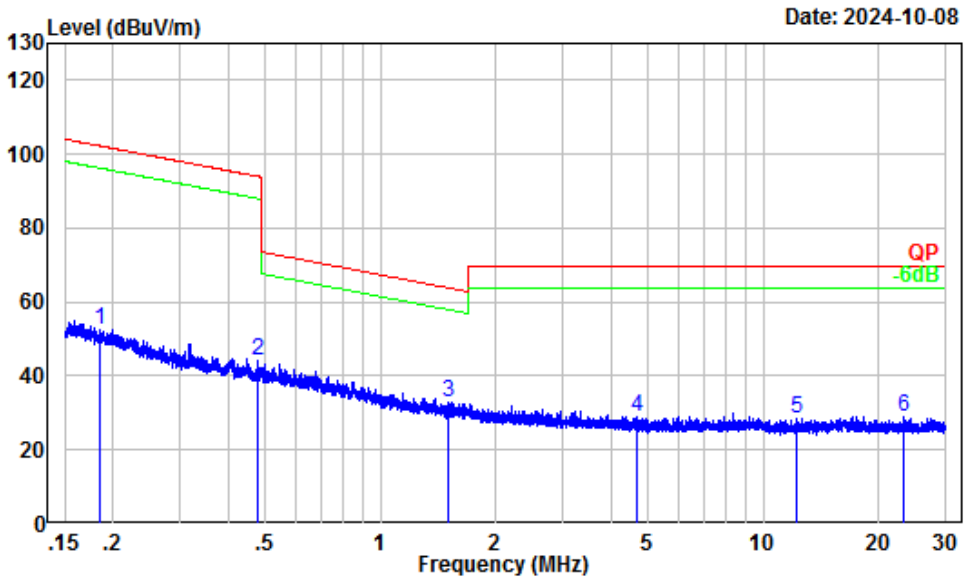
9 kHz-30MHz: *(Maximum output power mode, 802.11 ac40 5755MHz; Worst case is parallel)*

Note: When the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded.



Site : Chamber A
Condition : 3m
Project Number: 2401V67572E-RF
Test Mode : Transmitting
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	26.77	59.06	127.58	-68.52	Peak
2	0.02	30.89	23.78	54.67	122.77	-68.10	Peak
3	0.04	27.97	26.15	54.12	116.70	-62.58	Peak
4	0.06	25.62	23.66	49.28	112.37	-63.09	Peak
5	0.08	23.34	23.57	46.91	109.46	-62.55	Peak
6	0.13	20.06	20.80	40.86	105.14	-64.28	Peak

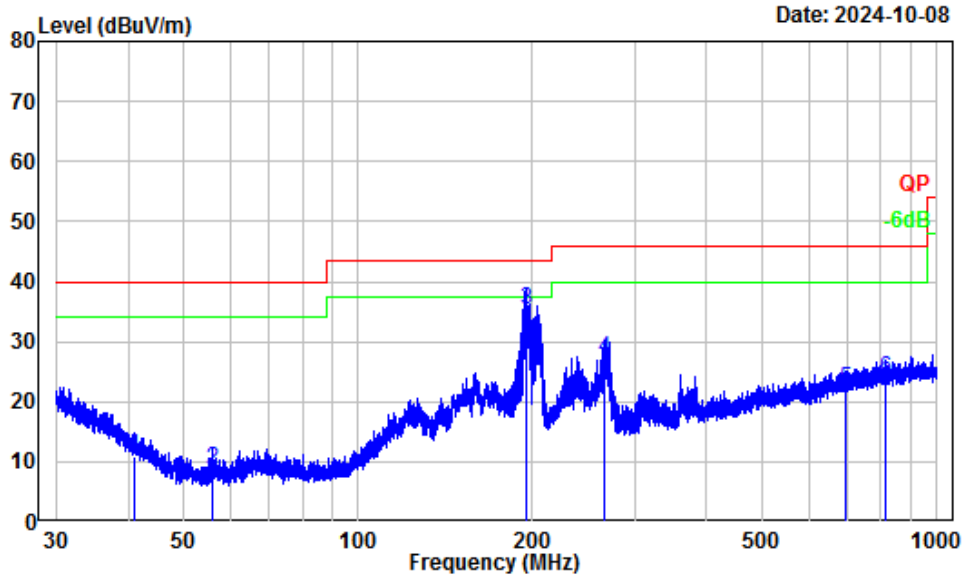


Site : Chamber A
Condition : 3m
Project Number: 2401V67572E-RF
Test Mode : Transmitting
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.19	16.94	35.61	52.55	102.22	-49.67	Peak
2	0.48	6.79	37.43	44.22	93.99	-49.77	Peak
3	1.51	-0.21	33.00	32.79	63.85	-31.06	Peak
4	4.66	-2.77	31.89	29.12	69.54	-40.42	Peak
5	12.18	-2.79	31.31	28.52	69.54	-41.02	Peak
6	23.20	-3.10	32.17	29.07	69.54	-40.47	Peak

30 MHz–1 GHz: *(Maximum output power mode, 802.11 ac40 5755MHz)*

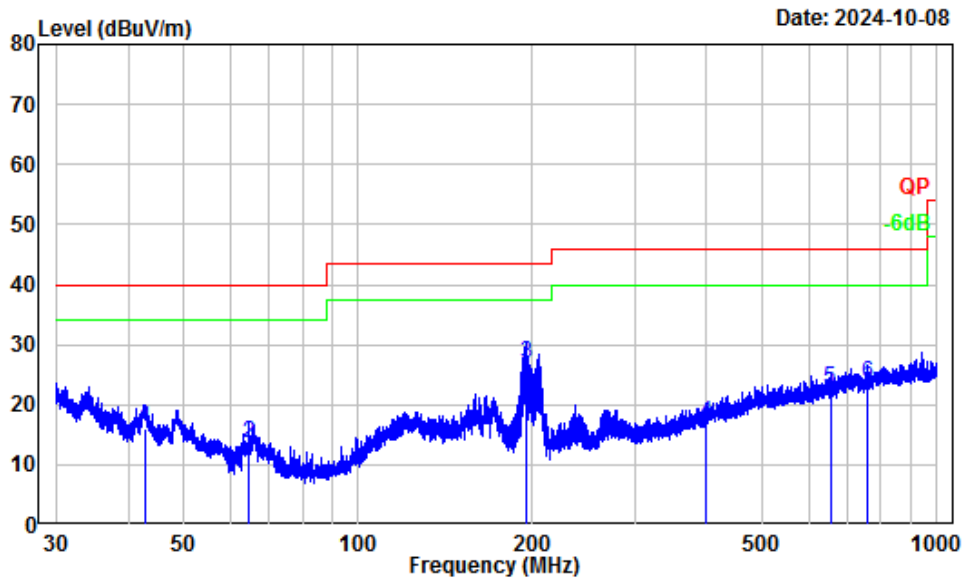
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number: 2401V67572E-RF
Test Mode : Transmitting
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	41.02	-13.10	23.96	10.86	40.00	-29.14	QP
2	56.00	-18.32	27.16	8.84	40.00	-31.16	QP
3	195.48	-13.57	48.98	35.41	43.50	-8.09	QP
4	267.08	-12.09	39.21	27.12	46.00	-18.88	QP
5	694.11	-3.56	25.69	22.13	46.00	-23.87	QP
6	814.18	-2.03	25.81	23.78	46.00	-22.22	QP

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401V67572E-RF
Test Mode : Transmitting
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	42.82	-14.46	30.50	16.04	40.00	-23.96	QP
2	64.63	-18.00	31.64	13.64	40.00	-26.36	QP
3	194.97	-13.64	40.63	26.99	43.50	-16.51	QP
4	399.56	-8.43	25.45	17.02	46.00	-28.98	QP
5	654.23	-4.04	26.59	22.55	46.00	-23.45	QP
6	760.70	-2.66	26.19	23.53	46.00	-22.47	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/AV					
802.11a							
5180MHz							
5148.70	65.37	PK	H	2.71	68.08	74	-5.92
5148.70	46.28	AV	H	2.71	48.99	54	-5.01
5149.68	63.49	PK	V	2.71	66.20	74	-7.80
5149.68	45.75	AV	V	2.71	48.46	54	-5.54
10360.00	47.85	PK	H	13.07	60.92	68.2	-7.28
10360.00	48.59	PK	V	13.07	61.66	68.2	-6.54
5200MHz							
10400.00	47.54	PK	H	13.12	60.66	68.2	-7.54
10400.00	48.33	PK	V	13.12	61.45	68.2	-6.75
5240MHz							
5353.90	55.54	PK	H	3.07	58.61	74	-15.39
5353.90	41.75	AV	H	3.07	44.82	54	-9.18
5351.12	55.26	PK	V	3.07	58.33	74	-15.67
5351.12	41.33	AV	V	3.07	44.40	54	-9.60
10480.00	47.26	PK	H	13.07	60.33	68.2	-7.87
10480.00	48.07	PK	V	13.07	61.14	68.2	-7.06

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac20							
5180MHz							
5149.89	64.38	PK	H	2.71	67.09	74	-6.91
5149.89	47.15	AV	H	2.71	49.86	54	-4.14
5149.46	62.27	PK	V	2.71	64.98	74	-9.02
5149.46	46.43	AV	V	2.71	49.14	54	-4.86
10360.00	47.35	PK	H	13.07	60.42	68.2	-7.78
10360.00	48.18	PK	V	13.07	61.25	68.2	-6.95
5200MHz							
10400.00	47.06	PK	H	13.12	60.18	68.2	-8.02
10400.00	47.94	PK	V	13.12	61.06	68.2	-7.14
5240MHz							
5350.56	55.39	PK	H	3.07	58.46	74	-15.54
5350.56	41.66	AV	H	3.07	44.73	54	-9.27
5351.27	55.14	PK	V	3.07	58.21	74	-15.79
5351.27	41.28	AV	V	3.07	44.35	54	-9.65
10480.00	46.82	PK	H	13.07	59.89	68.2	-8.31
10480.00	47.57	PK	V	13.07	60.64	68.2	-7.56

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5190MHz							
5148.13	60.95	PK	H	2.70	63.65	74	-10.35
5150.00	48.26	AV	H	2.71	50.97	54	-3.03
5150.00	59.68	PK	V	2.71	62.39	74	-11.61
5150.00	45.48	AV	V	2.71	48.19	54	-5.81
10380.00	45.84	PK	H	13.09	58.93	68.2	-9.27
10380.00	46.67	PK	V	13.09	59.76	68.2	-8.44
5230MHz							
5351.19	55.68	PK	H	3.07	58.75	74	-15.25
5351.19	41.93	AV	H	3.07	45.00	54	-9.00
5352.36	55.37	PK	V	3.07	58.44	74	-15.56
5352.36	41.49	AV	V	3.07	44.56	54	-9.44
10460.00	45.39	PK	H	13.09	58.48	68.2	-9.72
10460.00	46.23	PK	V	13.09	59.32	68.2	-8.88

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax20							
5180MHz							
5149.25	63.93	PK	H	2.71	66.64	74	-7.36
5149.25	48.22	AV	H	2.71	50.93	54	-3.07
5149.48	62.37	PK	V	2.71	65.08	74	-8.92
5149.48	47.48	AV	V	2.71	50.19	54	-3.81
10360.00	46.58	PK	H	13.07	59.65	68.2	-8.55
10360.00	47.23	PK	V	13.07	60.30	68.2	-7.90
5200MHz							
10400.00	46.17	PK	H	13.12	59.29	68.2	-8.91
10400.00	46.94	PK	V	13.12	60.06	68.2	-8.14
5240MHz							
5354.70	55.83	PK	H	3.07	58.90	74	-15.10
5354.70	41.59	AV	H	3.07	44.66	54	-9.34
5353.27	55.41	PK	V	3.07	58.48	74	-15.52
5353.27	41.26	AV	V	3.07	44.33	54	-9.67
10480.00	45.86	PK	H	13.07	58.93	68.2	-9.27
10480.00	46.69	PK	V	13.07	59.76	68.2	-8.44

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax40							
5190MHz							
5149.67	65.38	PK	H	2.71	68.09	74	-5.91
5149.67	48.21	AV	H	2.71	50.92	54	-3.08
5149.89	63.57	PK	V	2.71	66.28	74	-7.72
5149.89	47.45	AV	V	2.71	50.16	54	-3.84
10380.00	45.55	PK	H	13.09	58.64	68.2	-9.56
10380.00	46.34	PK	V	13.09	59.43	68.2	-8.77
5230MHz							
5356.77	55.54	PK	H	3.07	58.61	74	-15.39
5356.77	41.61	AV	H	3.07	44.68	54	-9.32
5352.63	55.25	PK	V	3.07	58.32	74	-15.68
5352.63	41.32	AV	V	3.07	44.39	54	-9.61
10460.00	45.18	PK	H	13.09	58.27	68.2	-9.93
10460.00	46.06	PK	V	13.09	59.15	68.2	-9.05

5250-5350MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11a							
5260MHz							
5070.01	55.42	PK	H	2.97	58.39	74	-15.61
5070.01	41.53	AV	H	2.97	44.50	54	-9.50
5072.83	55.15	PK	V	2.97	58.12	74	-15.88
5072.83	41.21	AV	V	2.97	44.18	54	-9.82
10520.00	47.21	PK	H	13.05	60.26	68.2	-7.94
10520.00	48.05	PK	V	13.05	61.10	68.2	-7.10
5280MHz							
10560.00	47.42	PK	H	13.02	60.44	68.2	-7.76
10560.00	48.23	PK	V	13.02	61.25	68.2	-6.95
5320MHz							
5350.24	67.17	PK	H	3.07	70.24	74	-3.76
5350.24	47.29	AV	H	3.07	50.36	54	-3.64
5350.40	65.04	PK	V	3.07	68.11	74	-5.89
5350.40	46.68	AV	V	3.07	49.75	54	-4.25
10640.00	47.69	PK	H	13.19	60.88	74	-13.12
10640.00	35.37	AV	H	13.19	48.56	54	-5.44
10640.00	48.48	PK	V	13.19	61.67	74	-12.33
10640.00	36.20	AV	V	13.19	49.39	54	-4.61

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac20							
5260MHz							
5072.18	55.29	PK	H	2.97	58.26	74	-15.74
5072.18	41.40	AV	H	2.97	44.37	54	-9.63
5069.75	55.06	PK	V	2.97	58.03	74	-15.97
5069.75	41.14	AV	V	2.97	44.11	54	-9.89
10520.00	47.47	PK	H	13.05	60.52	68.2	-7.68
10520.00	48.35	PK	V	13.05	61.40	68.2	-6.80
5280MHz							
10560.00	47.21	PK	H	13.02	60.23	68.2	-7.97
10560.00	48.04	PK	V	13.02	61.06	68.2	-7.14
5320MHz							
5350.56	67.58	PK	H	3.07	70.65	74	-3.35
5350.56	46.64	AV	H	3.07	49.71	54	-4.29
5350.89	65.45	PK	V	3.07	68.52	74	-5.48
5350.89	45.96	AV	V	3.07	49.03	54	-4.97
10640.00	47.02	PK	H	13.19	60.21	74	-13.79
10640.00	34.91	AV	H	13.19	48.10	54	-5.90
10640.00	47.88	PK	V	13.19	61.07	74	-12.93
10640.00	35.63	AV	V	13.19	48.82	54	-5.18

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac40							
5270MHz							
5068.35	54.94	PK	H	2.97	57.91	74	-16.09
5068.35	41.15	AV	H	2.97	44.12	54	-9.88
5065.94	54.71	PK	V	2.97	57.68	74	-16.32
5065.94	40.82	AV	V	2.97	43.79	54	-10.21
10540.00	45.58	PK	H	13.03	58.61	68.2	-9.59
10540.00	46.32	PK	V	13.03	59.35	68.2	-8.85
5310MHz							
5350.47	67.45	PK	H	3.07	70.52	74	-3.48
5350.47	45.78	AV	H	3.07	48.85	54	-5.15
5350.68	66.32	PK	V	3.07	69.39	74	-4.61
5350.68	45.09	AV	V	3.07	48.16	54	-5.84
10620.00	46.03	PK	H	13.09	59.12	74	-14.88
10620.00	32.57	AV	H	13.09	45.66	54	-8.34
10620.00	46.76	PK	V	13.09	59.85	74	-14.15
10620.00	33.24	AV	V	13.09	46.33	54	-7.67

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ax20							
5260MHz							
5057.64	55.47	PK	H	2.97	58.44	74	-15.56
5057.64	41.64	AV	H	2.97	44.61	54	-9.39
5061.76	55.19	PK	V	2.97	58.16	74	-15.84
5061.76	41.31	AV	V	2.97	44.28	54	-9.72
10520.00	45.96	PK	H	13.05	59.01	68.2	-9.19
10520.00	46.75	PK	V	13.05	59.80	68.2	-8.40
5280MHz							
10560.00	46.24	PK	H	13.02	59.26	68.2	-8.94
10560.00	47.02	PK	V	13.02	60.04	68.2	-8.16
5320MHz							
5350.30	63.98	PK	H	3.07	67.05	74	-6.95
5352.38	47.92	AV	H	3.07	50.99	54	-3.01
5350.66	63.47	PK	V	3.07	66.54	74	-7.46
5352.18	47.48	AV	V	3.07	50.55	54	-3.45
10640.00	46.58	PK	H	13.19	59.77	74	-14.23
10640.00	34.06	AV	H	13.19	47.25	54	-6.75
10640.00	47.37	PK	V	13.19	60.56	74	-13.44
10640.00	34.79	AV	V	13.19	47.98	54	-6.02

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ax40							
5270MHz							
5058.50	55.28	PK	H	2.97	58.25	74	-15.75
5058.50	41.34	AV	H	2.97	44.31	54	-9.69
5060.45	55.03	PK	V	2.97	58.00	74	-16.00
5060.45	41.11	AV	V	2.97	44.08	54	-9.92
10540.00	45.72	PK	H	13.03	58.75	68.2	-9.45
10540.00	46.46	PK	V	13.03	59.49	68.2	-8.71
5310MHz							
5350.24	64.86	PK	H	3.07	67.93	74	-6.07
5350.24	46.59	AV	H	3.07	49.66	54	-4.34
5350.59	63.15	PK	V	3.07	66.22	74	-7.78
5350.59	45.78	AV	V	3.07	48.85	54	-5.15
10620.00	46.33	PK	H	13.09	59.42	74	-14.58
10620.00	32.46	AV	H	13.09	45.55	54	-8.45
10620.00	47.05	PK	V	13.09	60.14	74	-13.86
10620.00	33.17	AV	V	13.09	46.26	54	-7.74

5470-5725MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11a							
5500MHz							
5460.00	55.75	PK	H	3.59	59.34	74	-14.66
5460.00	41.69	AV	H	3.59	45.28	54	-8.72
5460.00	55.37	PK	V	3.59	58.96	74	-15.04
5460.00	41.41	AV	V	3.59	45.00	54	-9.00
5469.59	61.08	PK	H	3.69	64.77	68.2	-3.43
5469.25	59.64	PK	V	3.69	63.33	68.2	-4.87
11000.00	44.78	PK	H	13.98	58.76	74	-15.24
11000.00	31.01	AV	H	13.98	44.99	54	-9.01
11000.00	45.25	PK	V	13.98	59.23	74	-14.77
11000.00	31.32	AV	V	13.98	45.30	54	-8.70
5580MHz							
11160.00	45.09	PK	H	13.62	58.71	74	-15.29
11160.00	31.43	AV	H	13.62	45.05	54	-8.95
11160.00	45.51	PK	V	13.62	59.13	74	-14.87
11160.00	31.78	AV	V	13.62	45.40	54	-8.60
5700MHz							
5725.87	60.92	PK	H	4.09	65.01	68.2	-3.19
5726.24	59.75	PK	V	4.09	63.84	68.2	-4.36
11400.00	45.45	PK	H	14.08	59.53	74	-14.47
11400.00	31.84	AV	H	14.08	45.92	54	-8.08
11400.00	45.96	PK	V	14.08	60.04	74	-13.96
11400.00	32.17	AV	V	14.08	46.25	54	-7.75

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac20							
5500MHz							
5460.00	55.97	PK	H	3.59	59.56	74	-14.44
5460.00	41.86	AV	H	3.59	45.45	54	-8.55
5460.00	55.54	PK	V	3.59	59.13	74	-14.87
5460.00	41.62	AV	V	3.59	45.21	54	-8.79
5469.83	61.39	PK	H	3.69	65.08	68.2	-3.12
5469.54	60.05	PK	V	3.69	63.74	68.2	-4.46
11000.00	44.62	PK	H	13.98	58.60	74	-15.40
11000.00	30.87	AV	H	13.98	44.85	54	-9.15
11000.00	45.09	PK	V	13.98	59.07	74	-14.93
11000.00	31.18	AV	V	13.98	45.16	54	-8.84
5580MHz							
11160.00	44.96	PK	H	13.62	58.58	74	-15.42
11160.00	31.25	AV	H	13.62	44.87	54	-9.13
11160.00	45.32	PK	V	13.62	58.94	74	-15.06
11160.00	31.54	AV	V	13.62	45.16	54	-8.84
5700MHz							
5725.60	61.10	PK	H	4.09	65.19	68.2	-3.01
5726.15	57.71	PK	V	4.09	61.80	68.2	-6.40
11400.00	45.38	PK	H	14.08	59.46	74	-14.54
11400.00	31.73	AV	H	14.08	45.81	54	-8.19
11400.00	45.75	PK	V	14.08	59.83	74	-14.17
11400.00	32.02	AV	V	14.08	46.10	54	-7.90

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	PK/AV					
802.11ac40							
5510MHz							
5460.00	55.27	PK	H	3.59	58.86	74	-15.14
5460.00	41.66	AV	H	3.59	45.25	54	-8.75
5460.00	55.05	PK	V	3.59	58.64	74	-15.36
5460.00	41.39	AV	V	3.59	44.98	54	-9.02
5469.27	61.48	PK	H	3.69	65.17	68.2	-3.03
5469.76	60.12	PK	V	3.69	63.81	68.2	-4.39
11020.00	44.59	PK	H	13.89	58.48	74	-15.52
11020.00	30.45	AV	H	13.89	44.34	54	-9.66
11020.00	44.83	PK	V	13.89	58.72	74	-15.28
11020.00	30.64	AV	V	13.89	44.53	54	-9.47
5550MHz							
11100.00	44.91	PK	H	13.53	58.44	74	-15.56
11100.00	30.74	AV	H	13.53	44.27	54	-9.73
11100.00	45.16	PK	V	13.53	58.69	74	-15.31
11100.00	32.02	AV	V	13.53	45.55	54	-8.45
5670MHz							
5725.89	55.78	PK	H	4.09	59.87	68.2	-8.33
5727.32	55.37	PK	V	4.09	59.46	68.2	-8.74
11340.00	45.23	PK	H	13.99	59.22	74	-14.78
11340.00	31.12	AV	H	13.99	45.11	54	-8.89
11340.00	45.48	PK	V	13.99	59.47	74	-14.53
11340.00	31.39	AV	V	13.99	45.38	54	-8.62

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ax20							
5500MHz							
5460.00	55.86	PK	H	3.59	59.45	74	-14.55
5460.00	41.79	AV	H	3.59	45.38	54	-8.62
5460.00	55.38	PK	V	3.59	58.97	74	-15.03
5460.00	41.54	AV	V	3.59	45.13	54	-8.87
5469.73	61.45	PK	H	3.69	65.14	68.2	-3.06
5469.24	59.91	PK	V	3.69	63.60	68.2	-4.60
11000.00	44.78	PK	H	13.98	58.76	74	-15.24
11000.00	30.99	AV	H	13.98	44.97	54	-9.03
11000.00	45.01	PK	V	13.98	58.99	74	-15.01
11000.00	31.12	AV	V	13.98	45.10	54	-8.90
5580MHz							
11160.00	45.09	PK	H	13.62	58.71	74	-15.29
11160.00	31.45	AV	H	13.62	45.07	54	-8.93
11160.00	45.28	PK	V	13.62	58.90	74	-15.10
11160.00	31.61	AV	V	13.62	45.23	54	-8.77
5700MHz							
5725.69	61.03	PK	H	4.09	65.12	68.2	-3.08
5725.36	59.56	PK	V	4.09	63.65	68.2	-4.55
11400.00	45.54	PK	H	14.08	59.62	74	-14.38
11400.00	31.80	AV	H	14.08	45.88	54	-8.12
11400.00	45.75	PK	V	14.08	59.83	74	-14.17
11400.00	31.93	AV	V	14.08	46.01	54	-7.99

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ax40							
5510MHz							
5460.00	55.51	PK	H	3.59	59.10	74	-14.90
5460.00	41.87	AV	H	3.59	45.46	54	-8.54
5460.00	55.25	PK	V	3.59	58.84	74	-15.16
5460.00	41.58	AV	V	3.59	45.17	54	-8.83
5469.49	60.94	PK	H	3.69	64.63	68.2	-3.57
5469.56	59.40	PK	V	3.69	63.09	68.2	-5.11
11020.00	44.43	PK	H	13.89	58.32	74	-15.68
11020.00	30.59	AV	H	13.89	44.48	54	-9.52
11020.00	44.67	PK	V	13.89	58.56	74	-15.44
11020.00	30.74	AV	V	13.89	44.63	54	-9.37
5550MHz							
11100.00	44.81	PK	H	13.53	58.34	74	-15.66
11100.00	30.94	AV	H	13.53	44.47	54	-9.53
11100.00	45.07	PK	V	13.53	58.60	74	-15.40
11100.00	31.15	AV	V	13.53	44.68	54	-9.32
5670MHz							
5725.27	56.16	PK	H	4.09	60.25	68.2	-7.95
5725.84	55.71	PK	V	4.09	59.80	68.2	-8.40
11340.00	45.22	PK	H	13.99	59.21	74	-14.79
11340.00	31.31	AV	H	13.99	45.30	54	-8.70
11340.00	45.50	PK	V	13.99	59.49	74	-14.51
11340.00	31.48	AV	V	13.99	45.47	54	-8.53

5725-5850 MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11a							
5745MHz							
5650.00	55.67	PK	H	3.59	59.26	68.20	-8.94
5700.00	59.78	PK	H	4.09	63.87	105.20	-41.33
5720.00	66.33	PK	H	4.09	70.42	110.80	-40.38
5725.00	71.45	PK	H	4.09	75.54	122.20	-46.66
5650.00	55.39	PK	V	3.59	58.98	68.20	-9.22
5700.00	58.96	PK	V	4.09	63.05	105.20	-42.15
5720.00	64.81	PK	V	4.09	68.90	110.80	-41.90
5725.00	70.02	PK	V	4.09	74.11	122.20	-48.09
11490.00	45.48	PK	H	14.31	59.79	74	-14.21
11490.00	31.35	AV	H	14.31	45.66	54	-8.34
11490.00	45.81	PK	V	14.31	60.12	74	-13.88
11490.00	31.72	AV	V	14.31	46.03	54	-7.97
5785MHz							
11570.00	45.77	PK	H	14.05	59.82	74	-14.18
11570.00	31.82	AV	H	14.05	45.87	54	-8.13
11570.00	46.18	PK	V	14.05	60.23	74	-13.77
11570.00	32.13	AV	V	14.05	46.18	54	-7.82
5825MHz							
5850.00	68.05	PK	H	4.09	72.14	122.20	-50.06
5855.00	63.84	PK	H	4.09	67.93	110.80	-42.87
5875.00	57.52	PK	H	4.19	61.71	105.20	-43.49
5925.00	55.38	PK	H	4.69	60.07	68.20	-8.13
5850.00	66.69	PK	V	4.09	70.78	122.20	-51.42
5855.00	62.31	PK	V	4.09	66.40	110.80	-44.40
5875.00	56.97	PK	V	4.19	61.16	105.20	-44.04
5925.00	55.15	PK	V	4.69	59.84	68.20	-8.36
11650.00	46.09	PK	H	13.83	59.92	74	-14.08
11650.00	32.24	AV	H	13.83	46.07	54	-7.93
11650.00	46.46	PK	V	13.83	60.29	74	-13.71
11650.00	32.59	AV	V	13.83	46.42	54	-7.58

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac20							
5745MHz							
5650.00	55.87	PK	H	3.59	59.46	68.20	-8.74
5700.00	59.54	PK	H	4.09	63.63	105.20	-41.57
5720.00	65.68	PK	H	4.09	69.77	110.80	-41.03
5725.00	72.13	PK	H	4.09	76.22	122.20	-45.98
5650.00	55.61	PK	V	3.59	59.20	68.20	-9.00
5700.00	58.89	PK	V	4.09	62.98	105.20	-42.22
5720.00	64.12	PK	V	4.09	68.21	110.80	-42.59
5725.00	70.65	PK	V	4.09	74.74	122.20	-47.46
11490.00	44.85	PK	H	14.31	59.16	74	-14.84
11490.00	31.38	AV	H	14.31	45.69	54	-8.31
11490.00	45.19	PK	V	14.31	59.50	74	-14.50
11490.00	31.67	AV	V	14.31	45.98	54	-8.02
5785MHz							
11570.00	45.32	PK	H	14.05	59.37	74	-14.63
11570.00	31.79	AV	H	14.05	45.84	54	-8.16
11570.00	45.64	PK	V	14.05	59.69	74	-14.31
11570.00	32.07	AV	V	14.05	46.12	54	-7.88
5825MHz							
5850.00	67.57	PK	H	4.09	71.66	122.20	-50.54
5855.00	63.96	PK	H	4.09	68.05	110.80	-42.75
5875.00	58.23	PK	H	4.19	62.42	105.20	-42.78
5925.00	55.58	PK	H	4.69	60.27	68.20	-7.93
5850.00	66.05	PK	V	4.09	70.14	122.20	-52.06
5855.00	62.42	PK	V	4.09	66.51	110.80	-44.29
5875.00	57.68	PK	V	4.19	61.87	105.20	-43.33
5925.00	55.34	PK	V	4.69	60.03	68.20	-8.17
11650.00	45.69	PK	H	13.83	59.52	74	-14.48
11650.00	32.27	AV	H	13.83	46.10	54	-7.90
11650.00	46.04	PK	V	13.83	59.87	74	-14.13
11650.00	32.55	AV	V	13.83	46.38	54	-7.62

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ac40							
5755MHz							
5650.00	55.96	PK	H	3.59	59.55	68.20	-8.65
5700.00	59.64	PK	H	4.09	63.73	105.20	-41.47
5720.00	67.91	PK	H	4.09	72.00	110.80	-38.80
5725.00	71.57	PK	H	4.09	75.66	122.20	-46.54
5650.00	55.72	PK	V	3.59	59.31	68.20	-8.89
5700.00	58.85	PK	V	4.09	62.94	105.20	-42.26
5720.00	66.43	PK	V	4.09	70.52	110.80	-40.28
5725.00	70.18	PK	V	4.09	74.27	122.20	-47.93
11510.00	44.79	PK	H	14.29	59.08	74	-14.92
11510.00	31.11	AV	H	14.29	45.40	54	-8.60
11510.00	45.05	PK	V	14.29	59.34	74	-14.66
11510.00	31.28	AV	V	14.29	45.57	54	-8.43
5795MHz							
5850.00	60.95	PK	H	4.09	65.04	122.20	-57.16
5855.00	59.34	PK	H	4.09	63.43	110.80	-47.37
5875.00	57.06	PK	H	4.19	61.25	105.20	-43.95
5925.00	55.72	PK	H	4.69	60.41	68.20	-7.79
5850.00	59.57	PK	V	4.09	63.66	122.20	-58.54
5855.00	58.73	PK	V	4.09	62.82	110.80	-47.98
5875.00	56.61	PK	V	4.19	60.80	105.20	-44.40
5925.00	55.48	PK	V	4.69	60.17	68.20	-8.03
11590.00	45.25	PK	H	13.97	59.22	74	-14.78
11590.00	31.84	AV	H	13.97	45.81	54	-8.19
11590.00	45.48	PK	V	13.97	59.45	74	-14.55
11590.00	32.03	AV	V	13.97	46.00	54	-8.00

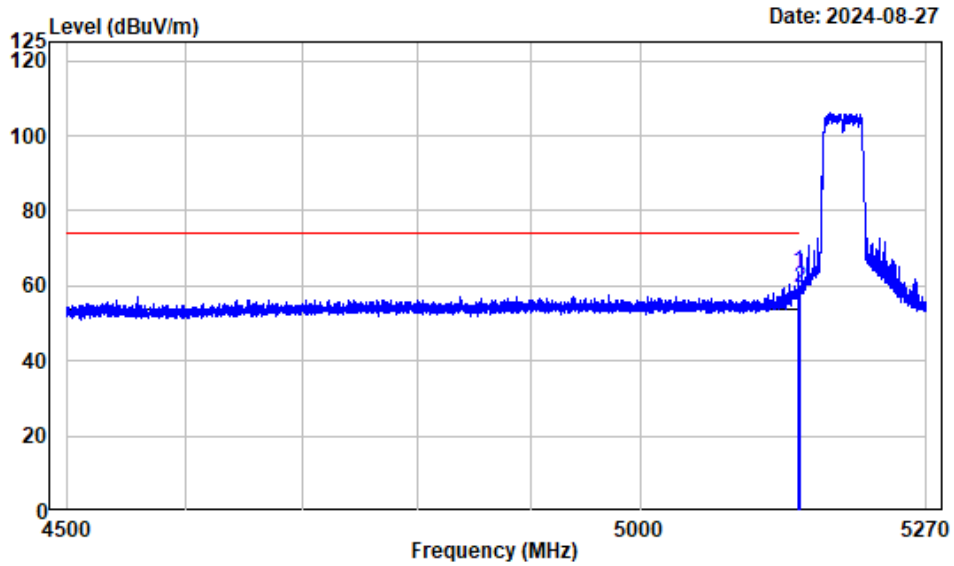
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ax20							
5745MHz							
5650.00	55.75	PK	H	3.59	59.34	68.20	-8.86
5700.00	59.29	PK	H	4.09	63.38	105.20	-41.82
5720.00	64.32	PK	H	4.09	68.41	110.80	-42.39
5725.00	69.87	PK	H	4.09	73.96	122.20	-48.24
5650.00	55.52	PK	V	3.59	59.11	68.20	-9.09
5700.00	58.64	PK	V	4.09	62.73	105.20	-42.47
5720.00	62.90	PK	V	4.09	66.99	110.80	-43.81
5725.00	68.36	PK	V	4.09	72.45	122.20	-49.75
11490.00	44.31	PK	H	14.31	58.62	74	-15.38
11490.00	31.28	AV	H	14.31	45.59	54	-8.41
11490.00	44.60	PK	V	14.31	58.91	74	-15.09
11490.00	31.52	AV	V	14.31	45.83	54	-8.17
5785MHz							
11570.00	45.04	PK	H	14.05	59.09	74	-14.91
11570.00	31.83	AV	H	14.05	45.88	54	-8.12
11570.00	45.31	PK	V	14.05	59.36	74	-14.64
11570.00	32.06	AV	V	14.05	46.11	54	-7.89
5825MHz							
5850.00	67.72	PK	H	4.09	71.81	122.20	-50.39
5855.00	64.61	PK	H	4.09	68.70	110.80	-42.10
5875.00	59.03	PK	H	4.19	63.22	105.20	-41.98
5925.00	55.49	PK	H	4.69	60.18	68.20	-8.02
5850.00	66.38	PK	V	4.09	70.47	122.20	-51.73
5855.00	63.27	PK	V	4.09	67.36	110.80	-43.44
5875.00	58.19	PK	V	4.19	62.38	105.20	-42.82
5925.00	55.24	PK	V	4.69	59.93	68.20	-8.27
11650.00	45.75	PK	H	13.83	59.58	74	-14.42
11650.00	32.39	AV	H	13.83	46.22	54	-7.78
11650.00	46.12	PK	V	13.83	59.95	74	-14.05
11650.00	32.57	AV	V	13.83	46.40	54	-7.60

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/AV					
802.11ax40							
5755MHz							
5650.00	56.02	PK	H	3.59	59.61	68.20	-8.59
5700.00	59.45	PK	H	4.09	63.54	105.20	-41.66
5720.00	67.37	PK	H	4.09	71.46	110.80	-39.34
5725.00	72.84	PK	H	4.09	76.93	122.20	-45.27
5650.00	55.80	PK	V	3.59	59.39	68.20	-8.81
5700.00	58.69	PK	V	4.09	62.78	105.20	-42.42
5720.00	65.91	PK	V	4.09	70.00	110.80	-40.80
5725.00	71.35	PK	V	4.09	75.44	122.20	-46.76
11510.00	44.62	PK	H	14.29	58.91	74	-15.09
11510.00	31.25	AV	H	14.29	45.54	54	-8.46
11510.00	44.86	PK	V	14.29	59.15	74	-14.85
11510.00	31.47	AV	V	14.29	45.76	54	-8.24
5795MHz							
5851.26	55.89	PK	H	3.59	59.48	119.33	-59.85
5856.75	55.41	PK	H	4.09	59.50	110.31	-50.81
5892.46	55.45	PK	H	4.09	59.54	92.24	-32.70
5933.61	56.38	PK	H	4.09	60.47	68.20	-7.73
5854.13	61.37	PK	V	3.59	64.96	112.78	-47.82
5855.28	60.16	PK	V	4.09	64.25	110.72	-46.47
5903.13	55.16	PK	V	4.09	59.25	84.35	-25.10
5926.94	56.1	PK	V	4.09	60.19	68.20	-8.01
11590.00	45.30	PK	H	13.97	59.27	74	-14.73
11590.00	31.91	AV	H	13.97	45.88	54	-8.12
11590.00	45.54	PK	V	13.97	59.51	74	-14.49
11590.00	32.15	AV	V	13.97	46.12	54	-7.88

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 for worst Band Edge Measurements (Radiated)
5150-5250 MHz:

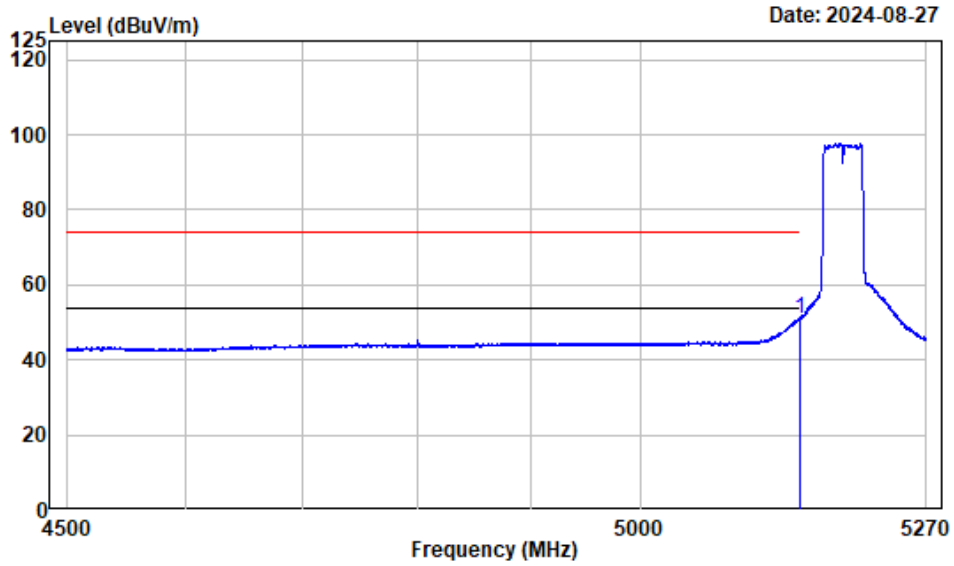
802.11ac40			
Test Channel:	**5190MHz**	**Ant. Polar. :**	**Horizontal-Peak**



Condition : Horizontal
Project No.: 2401V67572E-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	5148.132	2.70	60.95	63.65	74.00	-10.35	peak
2	5150.000	2.71	56.74	59.45	74.00	-14.55	Peak

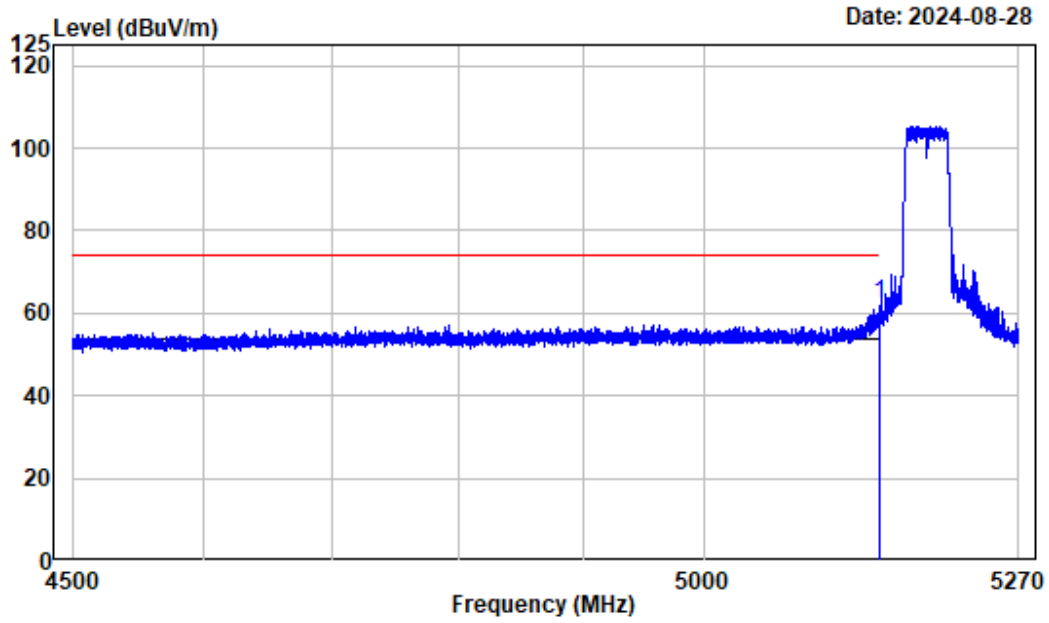
802.11ac40			
Test Channel:	**5190MHz**	**Ant. Polar. :**	**Horizontal-Average**



Condition : Horizontal
Project No.: 2401V67572E-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	48.26	50.97	54.00	-3.03	Average

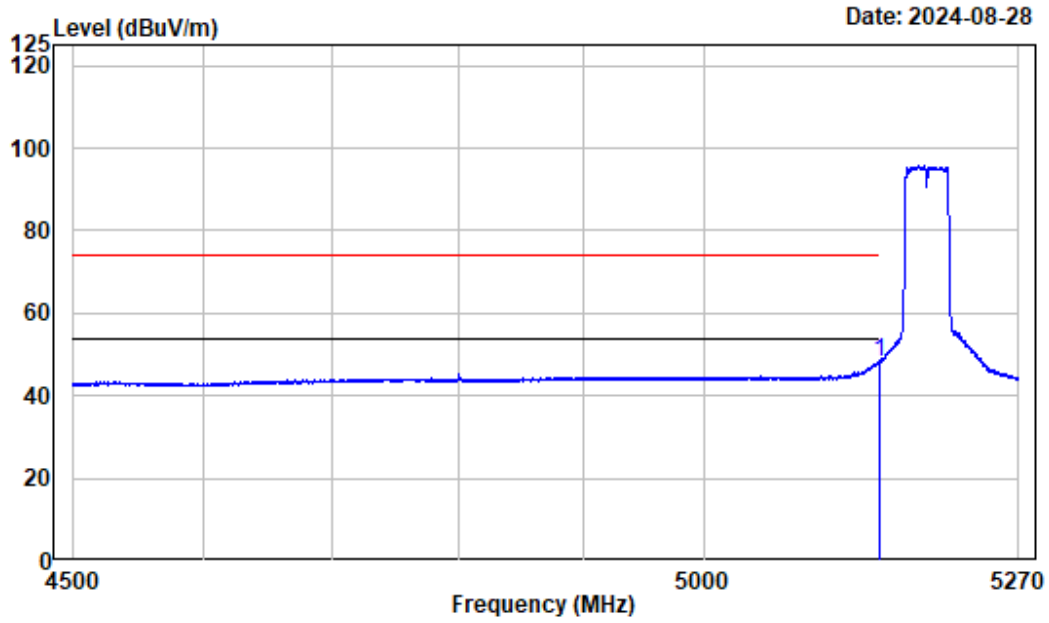
802.11ac40			
Test Channel:	**5190MHz**	**Ant. Polar. :**	**Vertical-Peak**



Condition : Vertical
Project No.: 2401V67572E-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	59.68	62.39	74.00	-11.61	Peak

802.11ac40			
Test Channel:	**5190MHz**	**Ant. Polar. :**	**Vertical-Average**

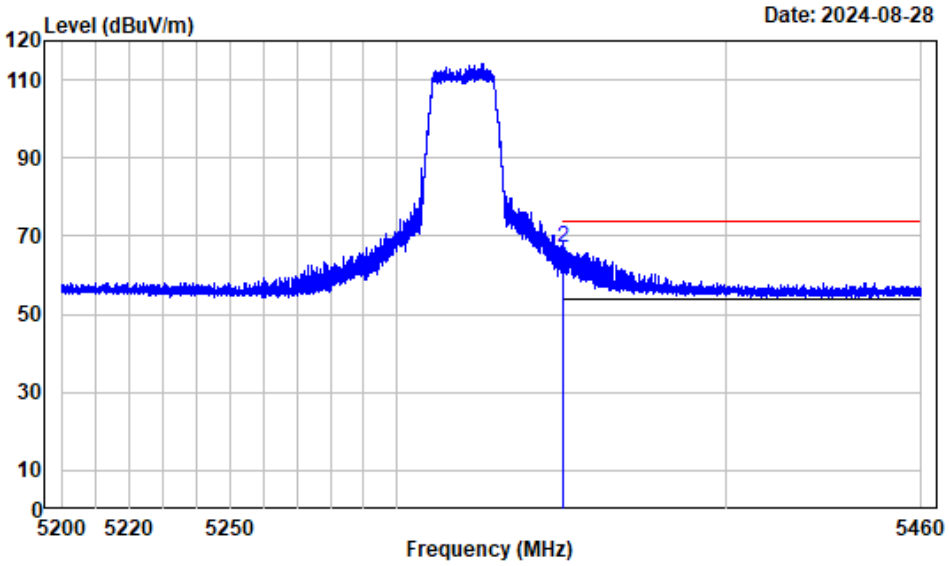


Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B1_AC40_5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	2.71	45.48	48.19	54.00	-5.81	Average

5250-5350MHz:

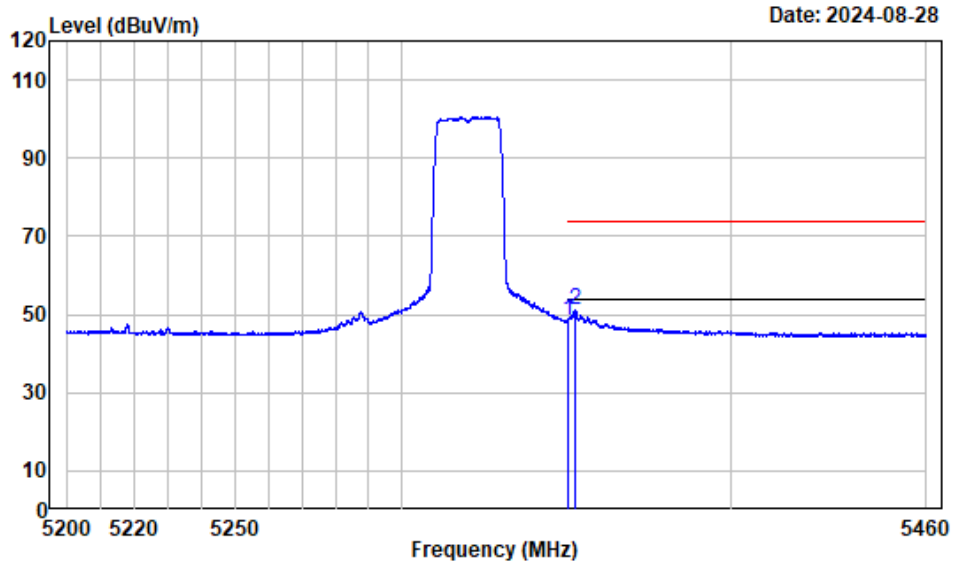
802.11ax20			
Test Channel:	**5320MHz**	**Ant. Polar. :**	**Horizontal-Peak**



Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B2_AX20_5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	3.07	58.46	61.53	74.00	-12.47	Peak
2	5350.299	3.07	63.98	67.05	74.00	-6.95	Peak

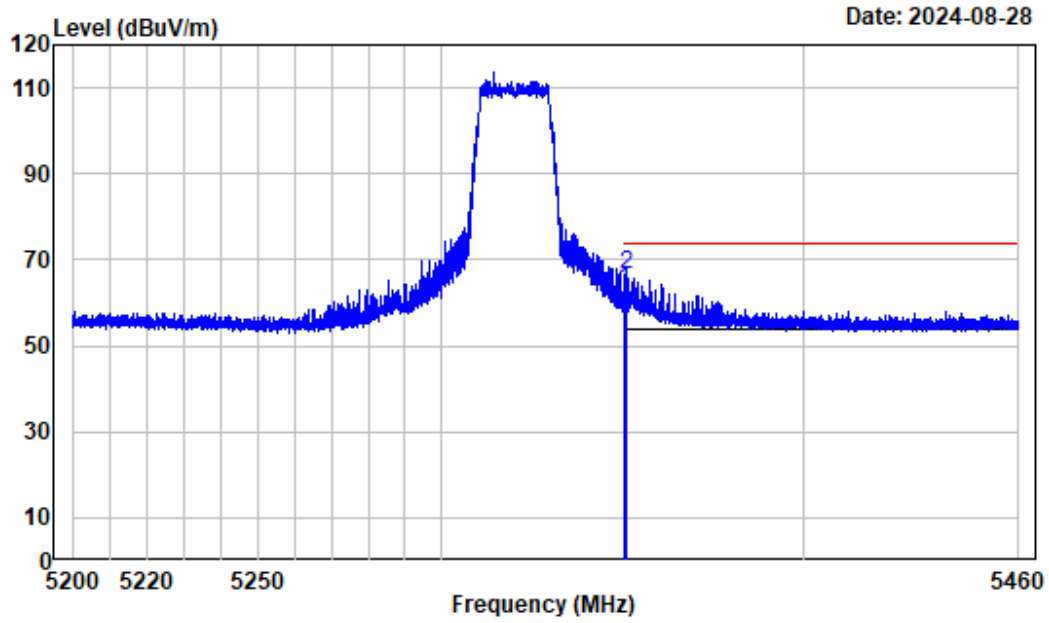
802.11ax20			
Test Channel:	**5320MHz**	**Ant. Polar. :**	**Horizontal-Average**



Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B2_AX20_5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	3.07	45.38	48.45	54.00	-5.55	Average
2	5352.379	3.07	47.92	50.99	54.00	-3.01	Average

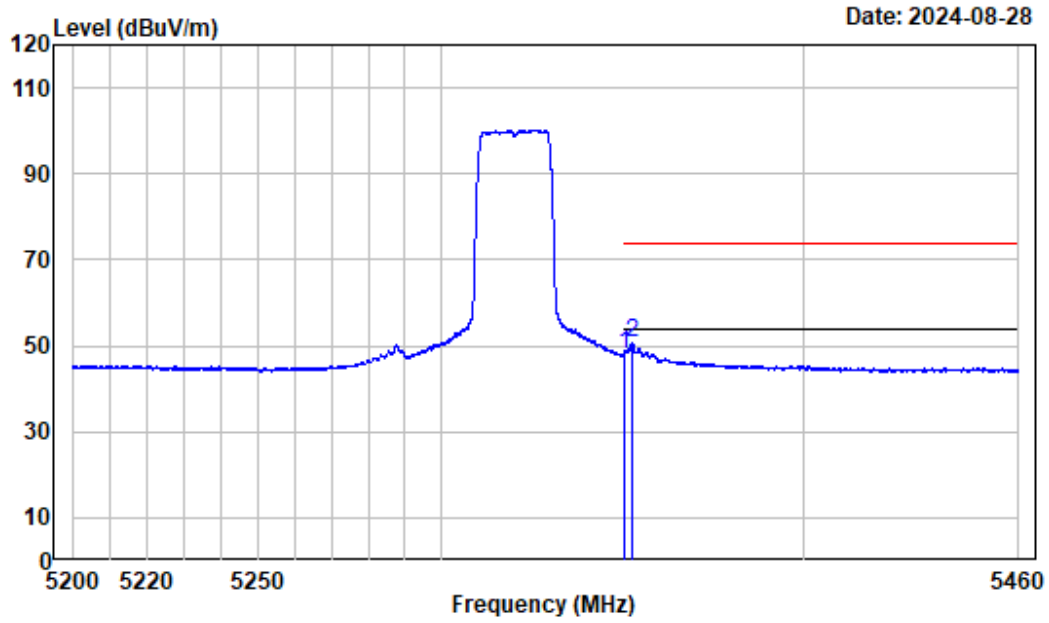
802.11ax20			
Test Channel:	**5320MHz**	**Ant. Polar. :**	**Vertical-Peak**



Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B2_AX20_5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	3.07	59.94	63.01	74.00	-10.99	Peak
2	5350.656	3.07	63.47	66.54	74.00	-7.46	Peak

802.11ax20			
Test Channel:	**5320MHz**	**Ant. Polar. :**	**Vertical-Average**

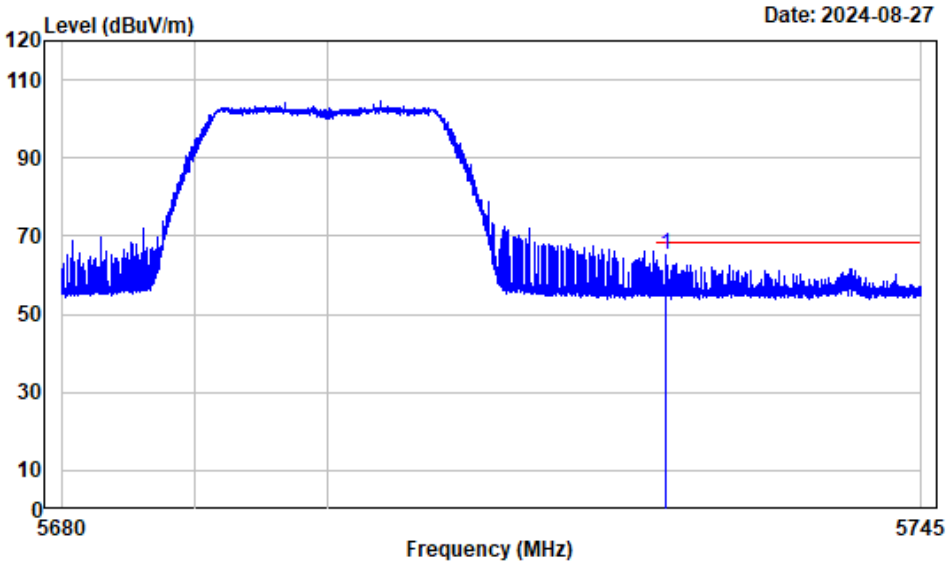


Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B2_AX20_5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	3.07	45.08	48.15	54.00	-5.85	Average
2	5352.184	3.07	47.48	50.55	54.00	-3.45	Average

5470-5725MHz:

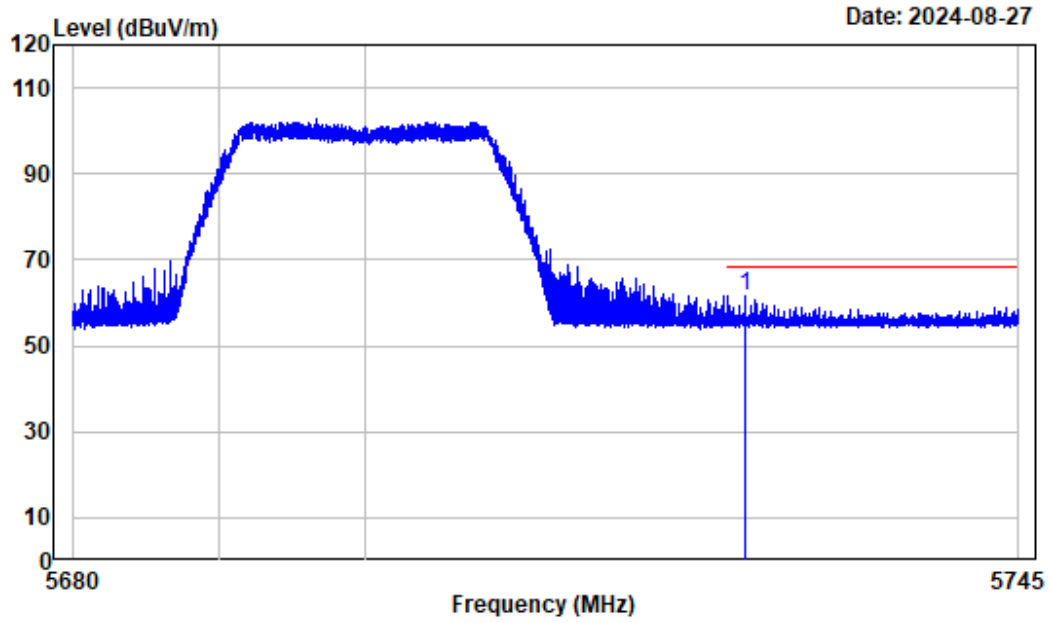
802.11ac20			
Test Channel:	**5700MHz**	**Ant. Polar. :**	**Horizontal**



Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B3_AC20_5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5725.595	4.09	61.10	65.19	68.20	-3.01	Peak

802.11ac20			
Test Channel:	**5700MHz**	**Ant. Polar. :**	**Vertical**

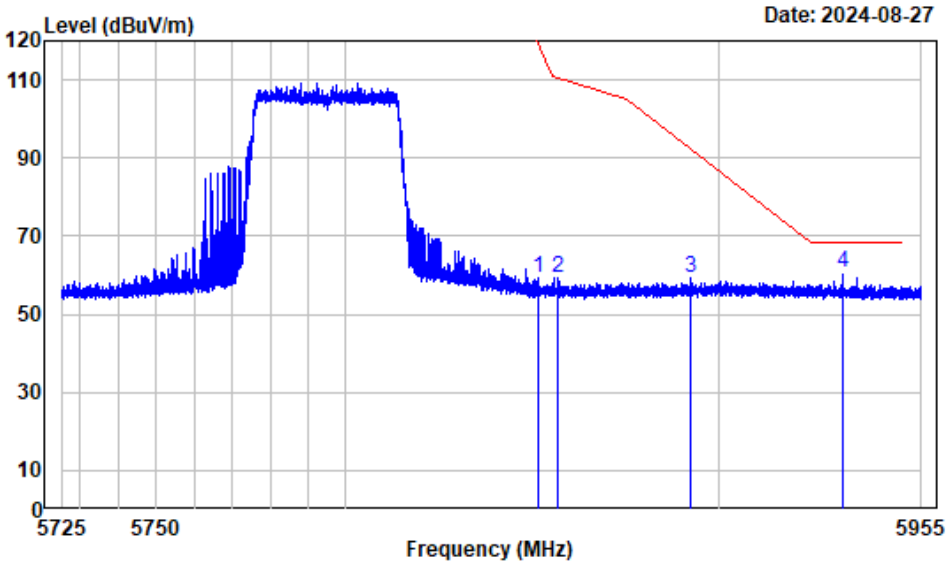


Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B3_AC20_5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5726.147	4.09	57.71	61.80	68.20	-6.40	Peak

5725-5850 MHz:

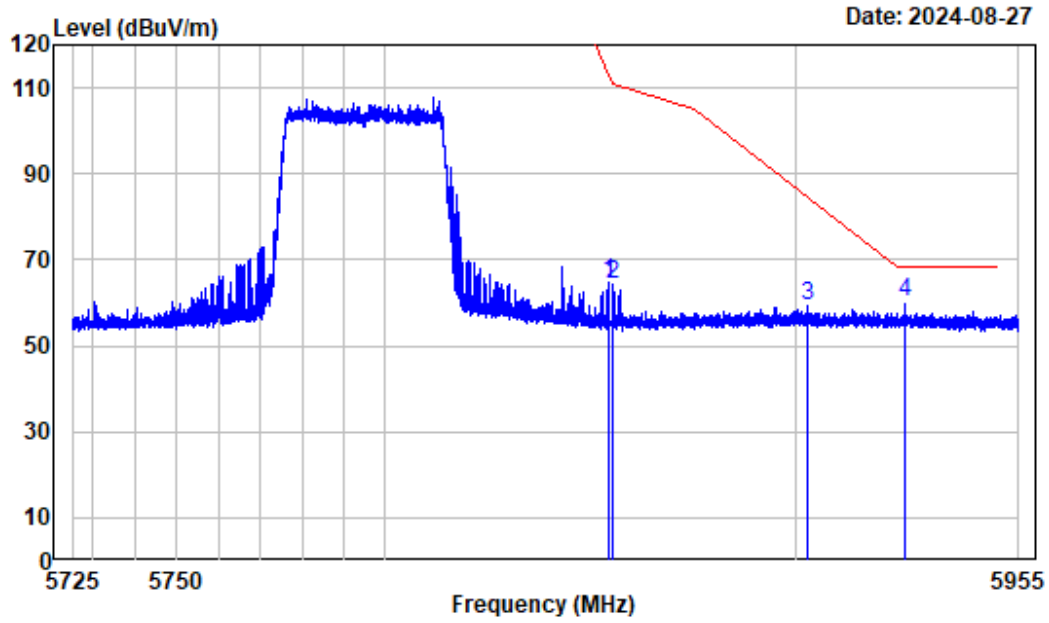
802.11ax40			
Test Channel:	**5795MHz**	**Ant. Polar. :**	**Horizontal**



Condition : Horizontal
Project No.: 2401V67572E-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	5851.257	3.59	55.89	59.48	119.33	-59.85	peak
2	5856.749	4.09	55.41	59.50	110.31	-50.81	peak
3	5892.461	4.09	55.45	59.54	92.24	-32.70	peak
4	5933.607	4.09	56.38	60.47	68.20	-7.73	peak

802.11ax40			
Test Channel:	**5795MHz**	**Ant. Polar. :**	**Vertical**

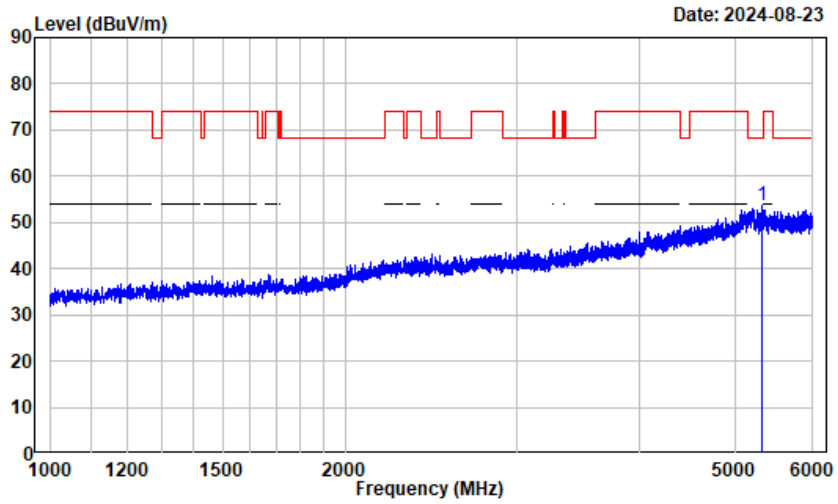


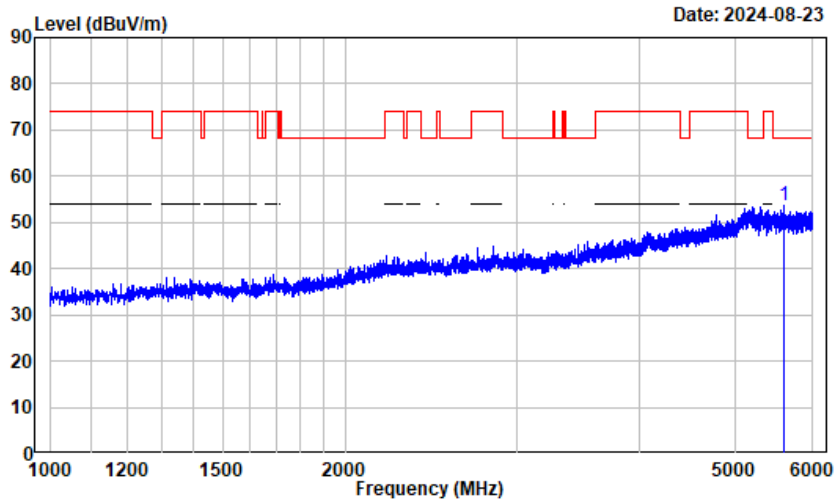
Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B4_AX40_5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5854.132	3.59	61.37	64.96	112.78	-47.82	peak
2	5855.283	4.09	60.16	64.25	110.72	-46.47	peak
3	5903.128	4.09	55.16	59.25	84.35	-25.10	peak
4	5926.937	4.09	56.10	60.19	68.20	-8.01	peak

Listed with the worst harmonic margin test plot:

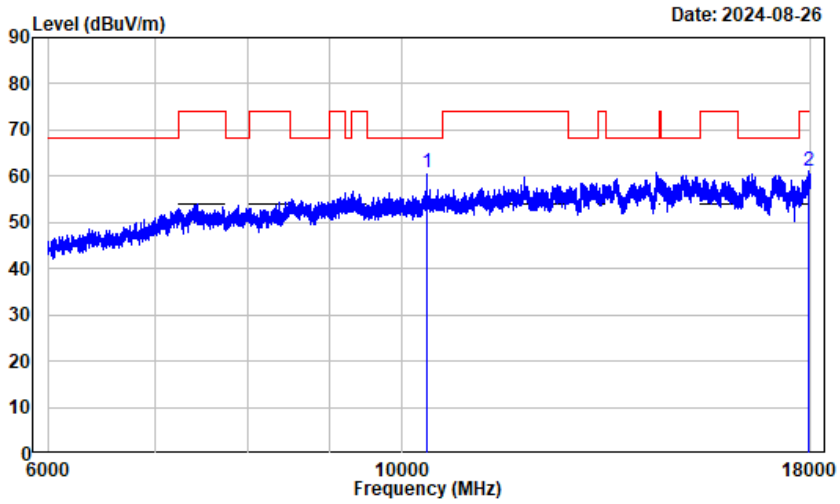
5150-5250 MHz:

Horizontal	
1-6GHz	 Condition : Horizontal Project No.: 2401V67572E-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 5335.542 2.88 50.65 53.53 68.20 -14.67 Peak

Vertical	
1-6GHz	 Condition : Vertical Project No.: 2401V67572E-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 5612.452 2.99 50.71 53.70 68.20 -14.50 Peak

Horizontal-Peak

6-18GHz

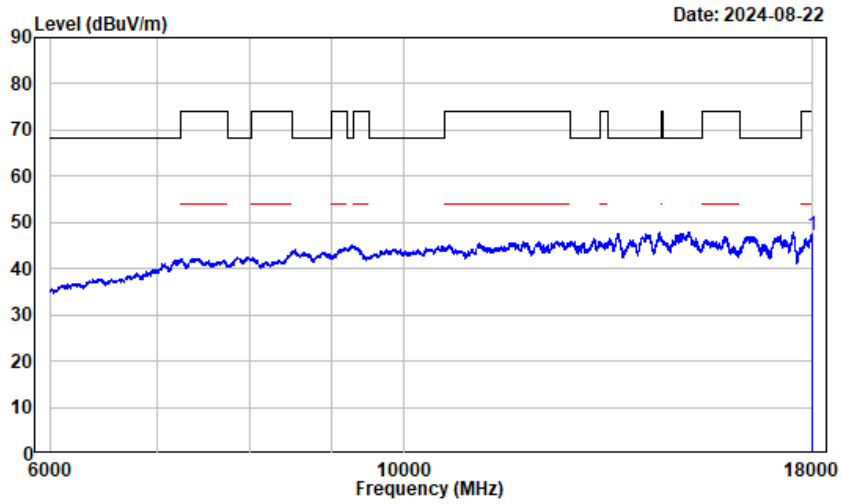


Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10360.000	13.07	47.85	60.92	68.20	-7.28	Peak
2	17965.500	24.38	36.63	61.01	74.00	-12.99	Peak

Horizontal-Average

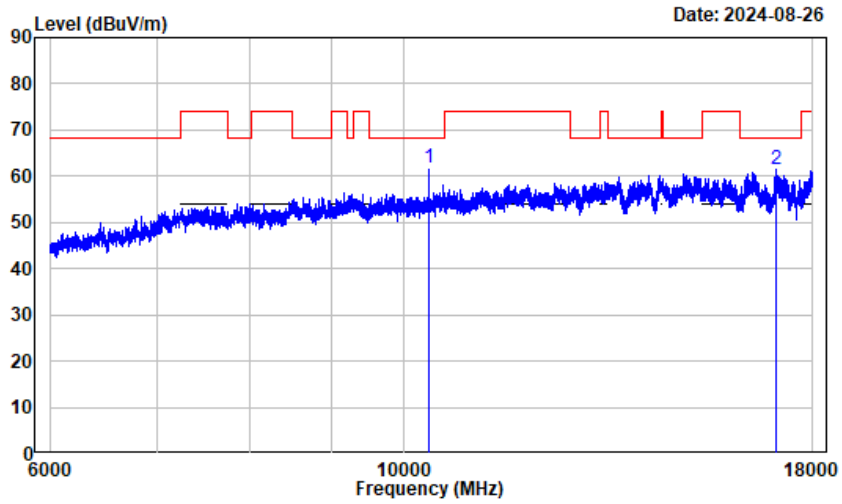
6-18GHz



Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

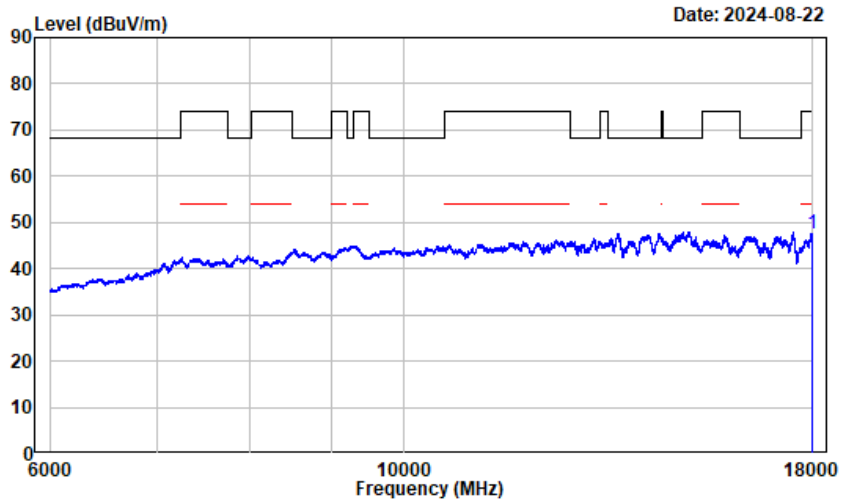
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.72	47.34	54.00	-6.66	Average

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

Vertical-Peak	
6-18GHz	 Condition : Vertical Project No.: 2401V67572E-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 10360.000 13.07 48.59 61.66 68.20 -6.54 Peak 2 17081.880 17.94 43.46 61.40 68.20 -6.80 Peak

Vertical-Average

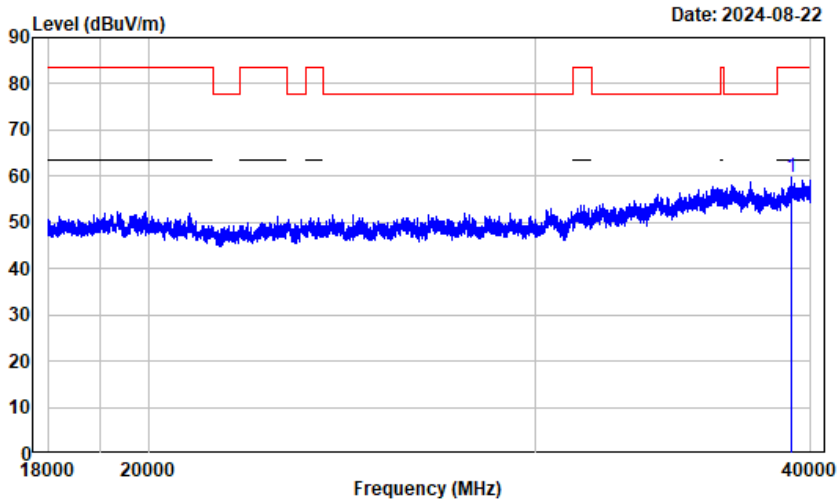
6-18GHz



Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

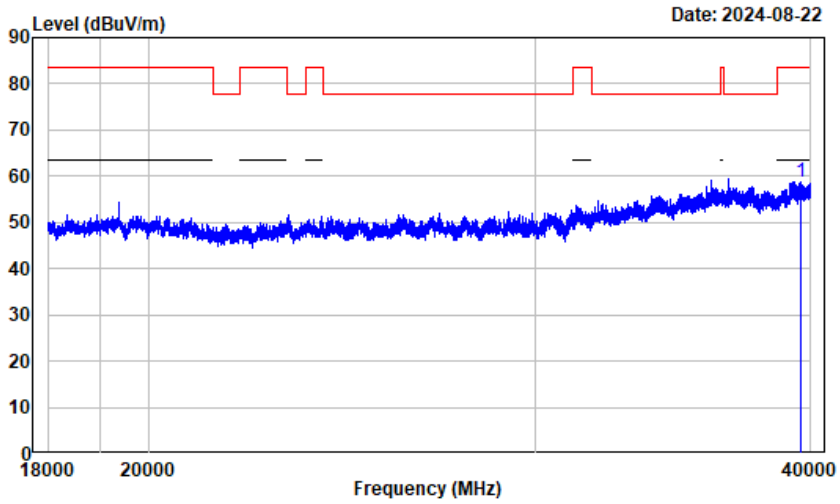
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	18000.000	24.62	22.85	47.47	54.00	-6.53	Average

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

Horizontal	
18-40GHz	 Condition : Horizontal Project No.: 2401V67572E-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 39227.150 22.85 36.79 59.64 83.50 -23.86 Peak

Vertical

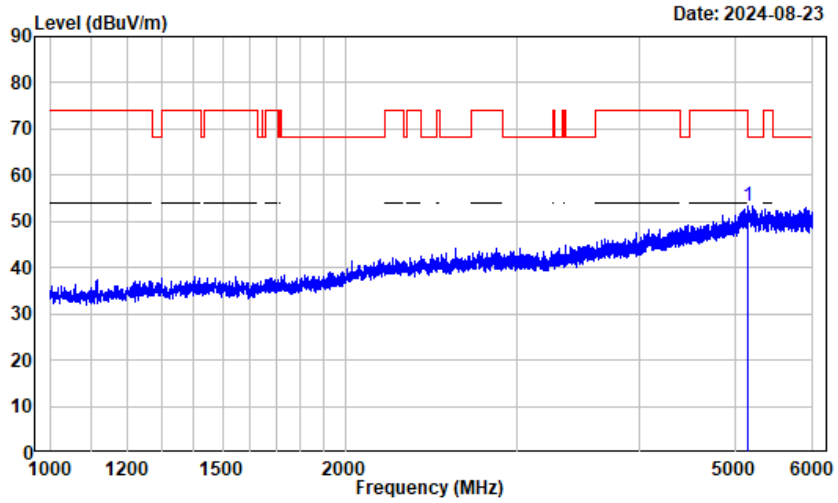
18-40GHz

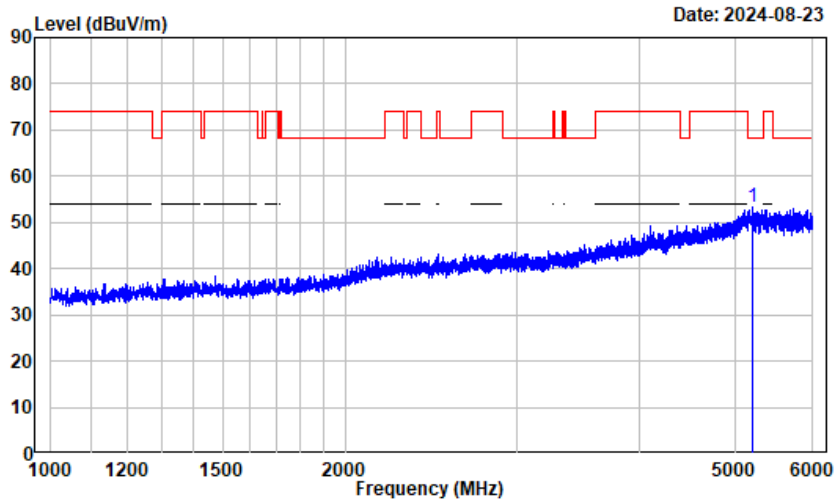


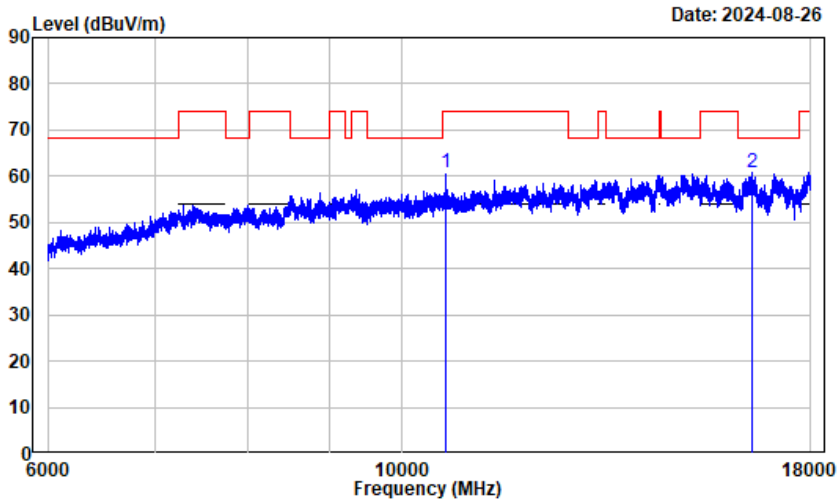
Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B1_A_5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39609.450	22.78	36.12	58.90	83.50	-24.60	Peak

5250-5350MHz:

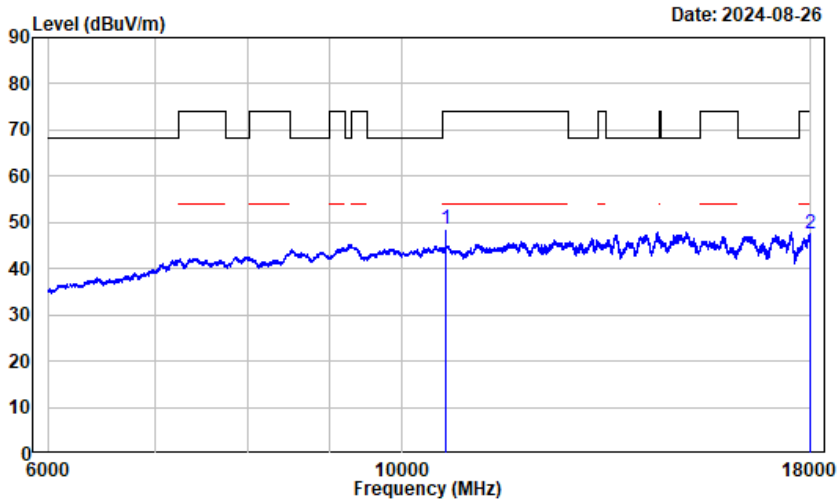
Horizontal	
1-6GHz	 Condition : Horizontal Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B2_A_5320 Freq / Factor / Read Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 5156.145 2.75 50.42 53.17 68.20 -15.03 Peak

Vertical	
1-6GHz	 Condition : Vertical Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B2_A_5320 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 5215.527 3.04 50.13 53.17 68.20 -15.03 Peak

Horizontal-Peak	
6-18GHz	 Condition : Horizontal Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B2_A_5320 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 10640.000 13.19 47.69 60.88 74.00 -13.12 Peak 2 16556.820 15.87 45.07 60.94 68.20 -7.26 Peak

Horizontal-Average

6-18GHz

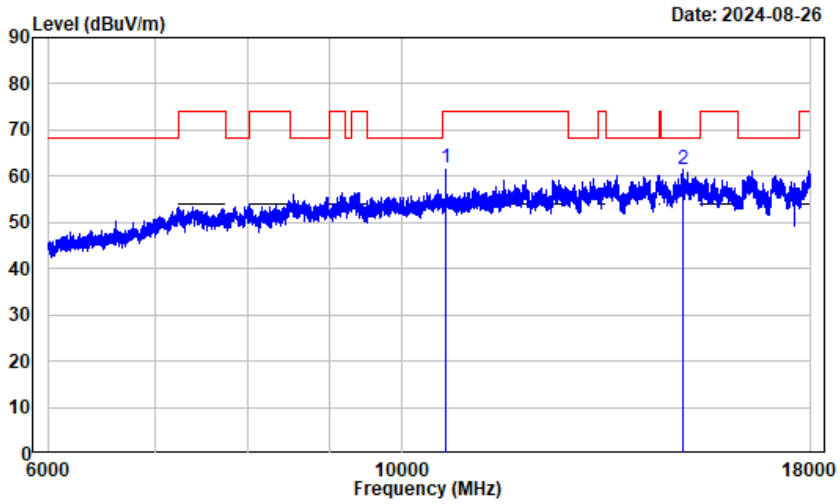


Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B2_A_5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	35.37	48.56	54.00	-5.44	Average
2	18000.000	24.62	22.77	47.39	54.00	-6.61	Average

Vertical-Peak

6-18GHz

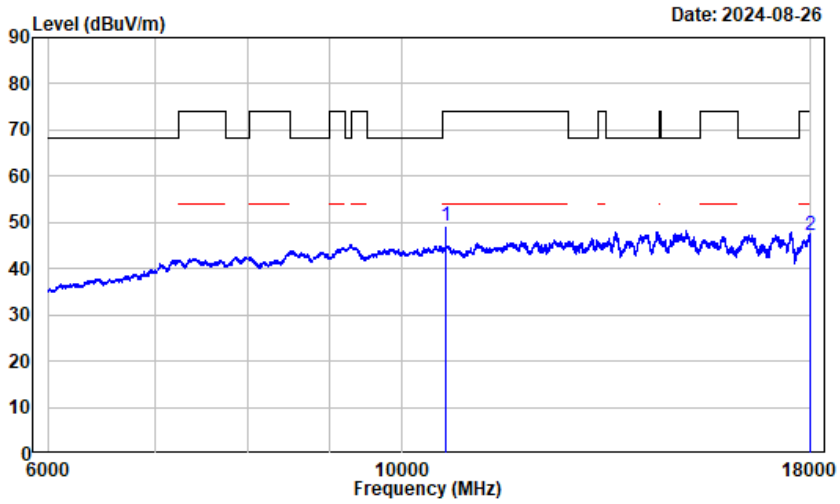


Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B2_A_5320

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	48.48	61.67	74.00	-12.33	Peak
2	14969.620	16.39	45.13	61.52	68.20	-6.68	Peak

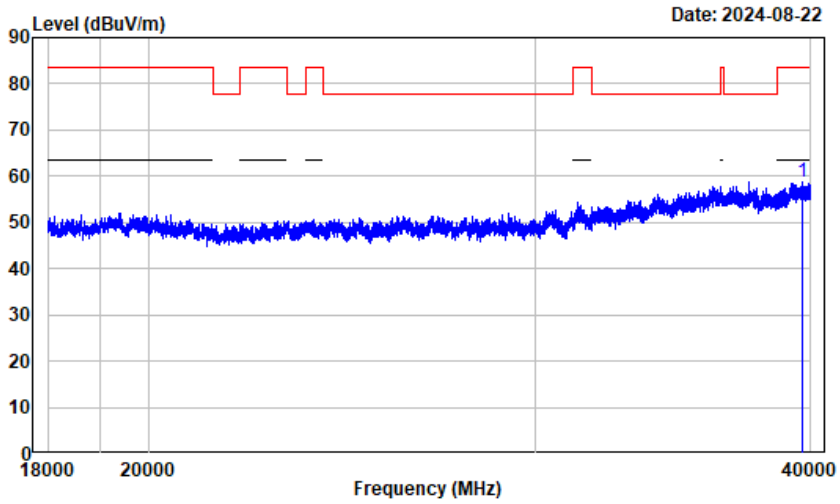
Vertical-Average

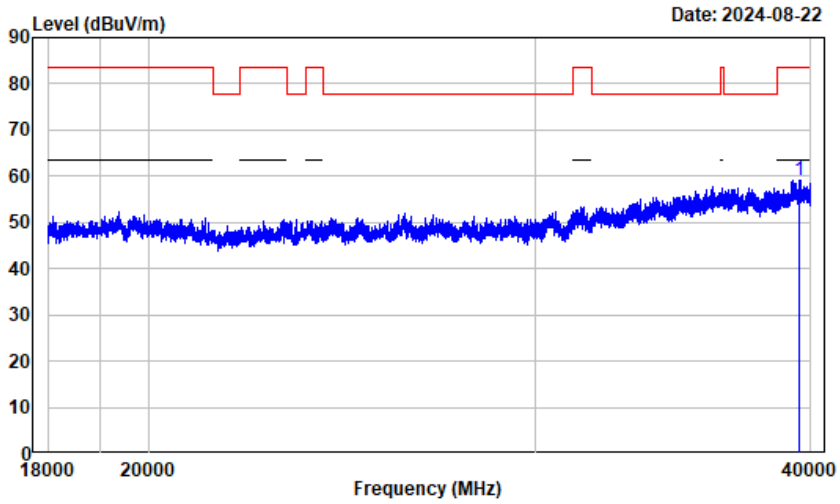
6-18GHz



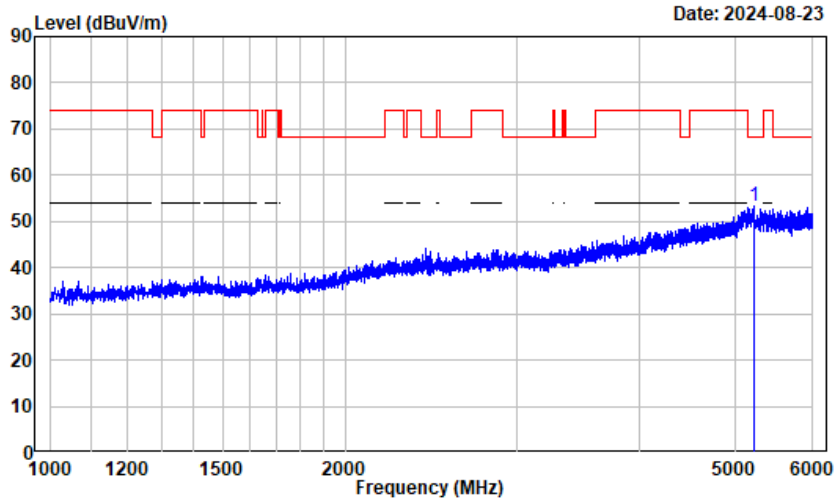
Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B2_A_5320

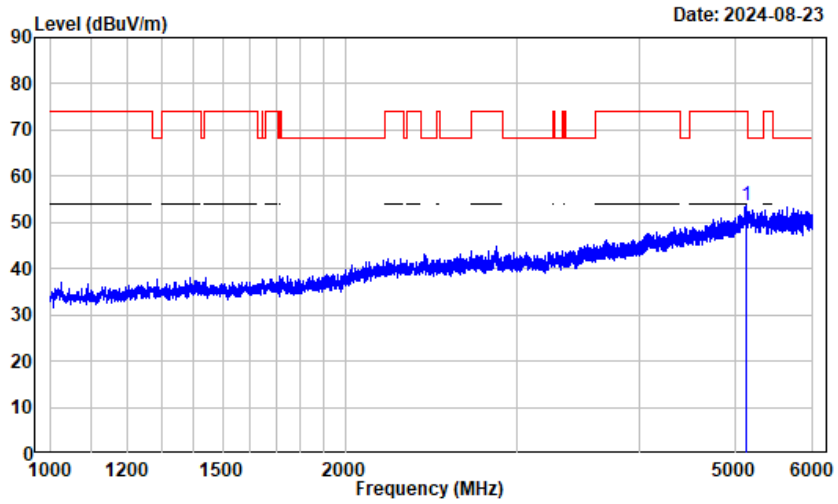
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10640.000	13.19	36.20	49.39	54.00	-4.61	Average
2	18000.000	24.62	22.67	47.29	54.00	-6.71	Average

Horizontal	
18-40GHz	 Condition : Horizontal Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B2_A_5320 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 39664.460 22.69 36.02 58.71 83.50 -24.79 Peak

Vertical	
18-40GHz	 Condition : Vertical Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B2_A_5320 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 39543.440 22.70 36.42 59.12 83.50 -24.38 Peak

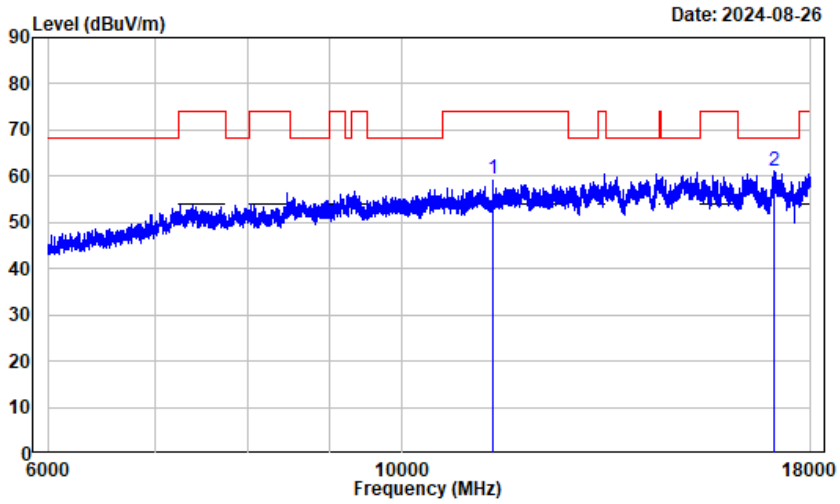
5470-5725MHz:

Horizontal	
1-6GHz	 Condition : Horizontal Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B3_A_5700 Freq / Factor / Read Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 5220.527 3.03 50.38 53.41 68.20 -14.79 Peak

Vertical	
1-6GHz	 Condition : Vertical Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B3_A_5700 | | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark | | | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | | | 1 | 5131.142 | 2.71 | 50.85 | 53.56 | 74.00 | -20.44 | Peak |

Horizontal-Peak

6-18GHz

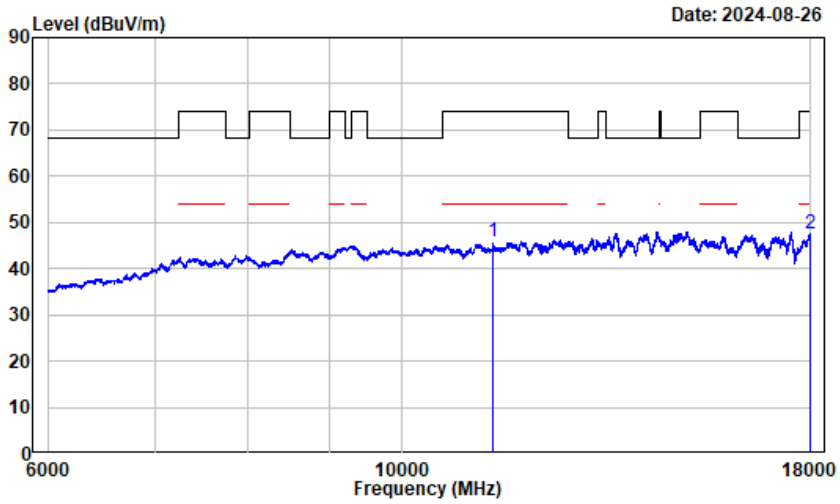


Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B3_A_5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11400.000	14.08	45.45	59.53	74.00	-14.47	Peak
2	17075.880	17.91	43.18	61.09	68.20	-7.11	Peak

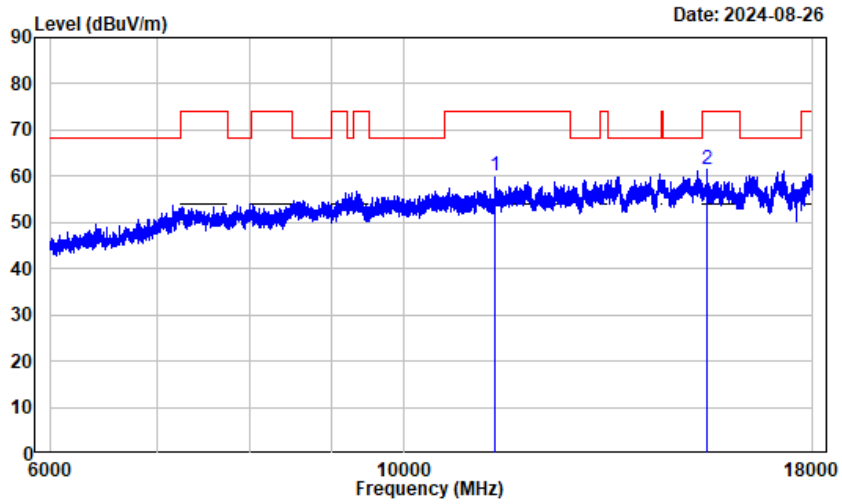
Horizontal-Average

6-18GHz



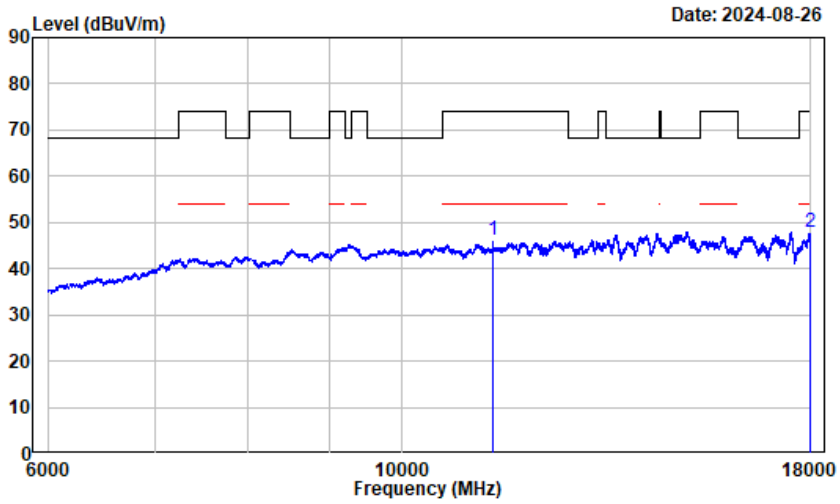
Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B3_A_5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11400.000	14.08	31.84	45.92	54.00	-8.08	Average
2	18000.000	24.62	22.87	47.49	54.00	-6.51	Average

Vertical-Peak	
6-18GHz	 Condition : Vertical Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B3_A_5700 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 11400.000 14.08 45.96 60.04 74.00 -13.96 Peak 2 15464.680 14.24 47.27 61.51 74.00 -12.49 Peak

Vertical-Average

6-18GHz

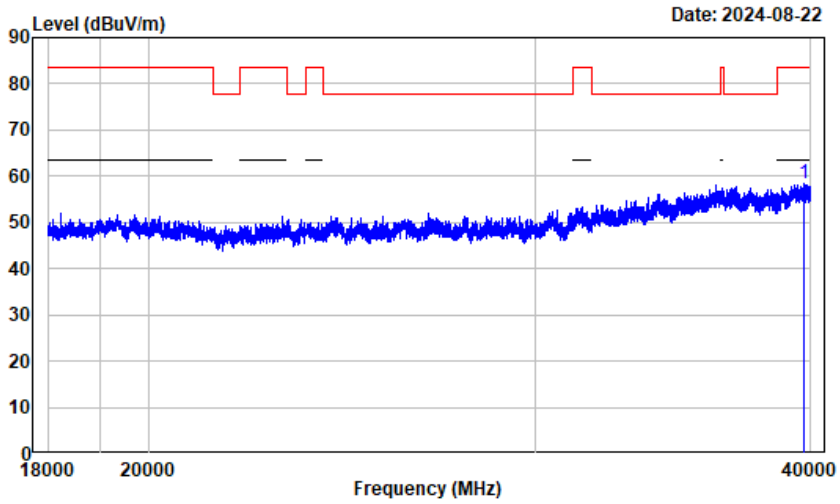


Condition : Vertical
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B3_A_5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11400.000	14.08	32.17	46.25	54.00	-7.75	Average
2	18000.000	24.62	23.18	47.80	54.00	-6.20	Average

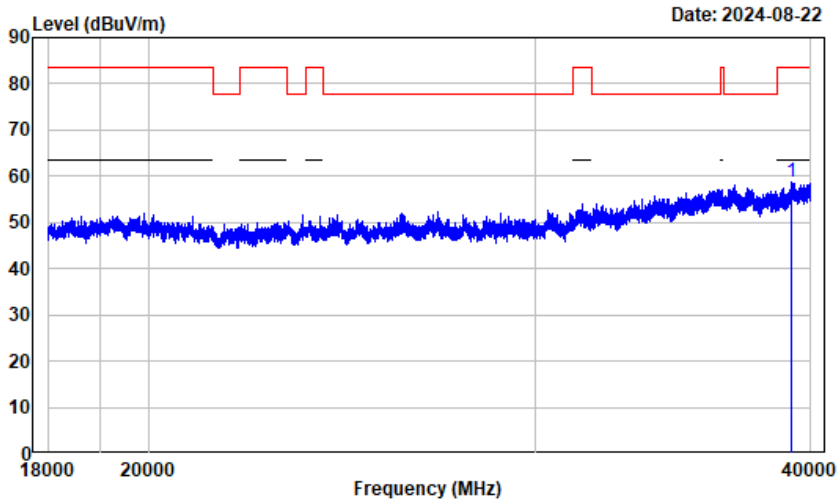
Horizontal

18-40GHz

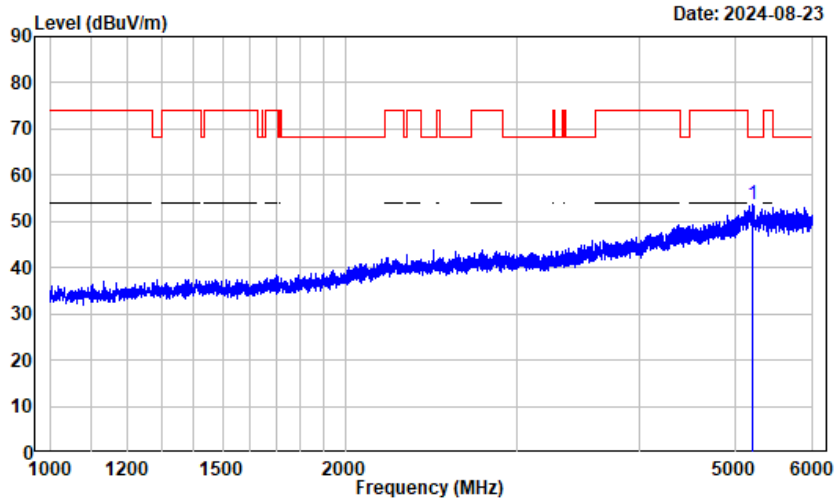


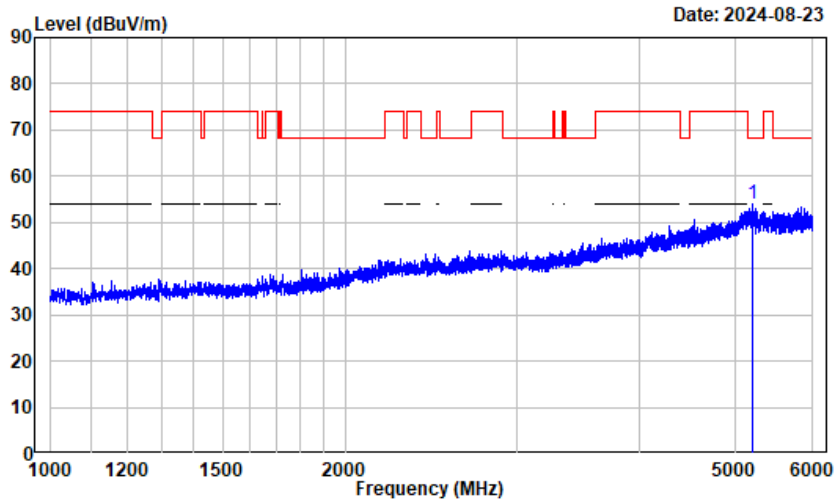
Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B3_A_5700

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39700.210	22.64	35.74	58.38	83.50	-25.12	Peak

Vertical	
18-40GHz	 Condition : Vertical Project No.: 2401V67572E-RF Tester : Dylan.Yang Note : 5G_B3_A_5700 Freq / Factor / Read Level / Level / Limit Line / Over Limit / Remark MHz / dB/m / dBuV / dBuV/m / dBuV/m / dB 1 39229.900 22.85 36.00 58.85 83.50 -24.65 Peak

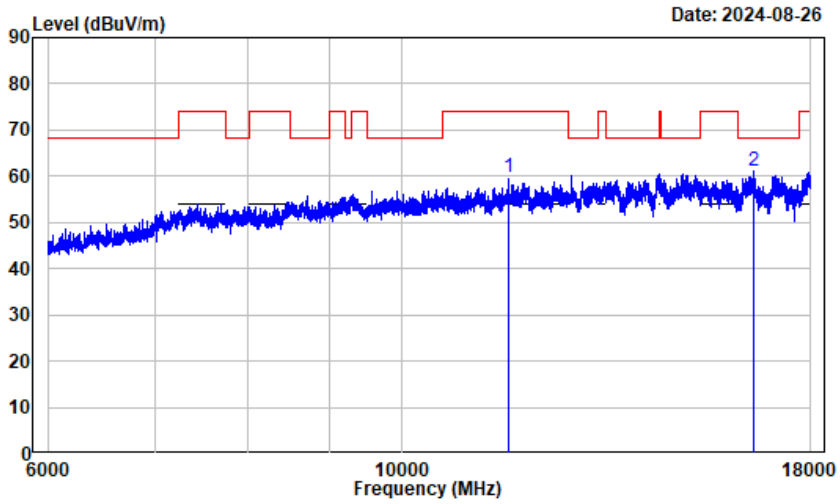
5725-5850 MHz:

Horizontal	
1-6GHz	 Condition : Horizontal Project No.: 2401V67572E-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 5216.777 3.04 50.52 53.56 68.20 -14.64 Peak

Vertical	
1-6GHz	 Condition : Vertical Project No.: 2401V67572E-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 5201.775 3.08 50.88 53.96 68.20 -14.24 Peak

Horizontal-Peak

6-18GHz

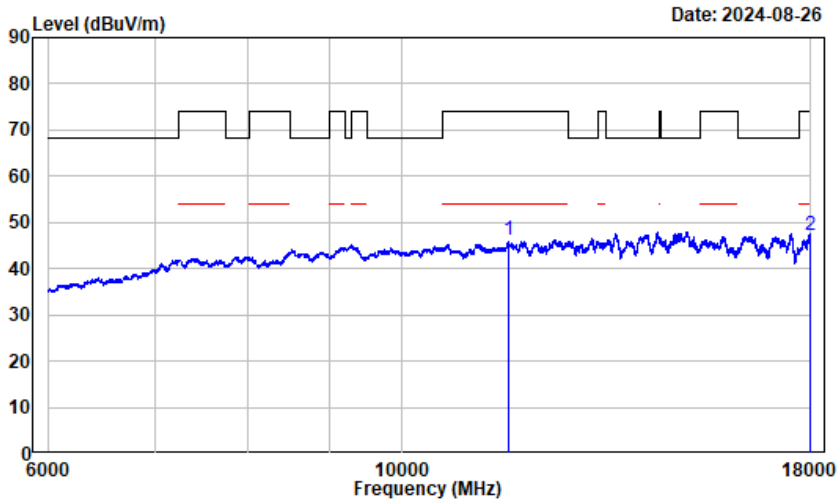


Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	46.09	59.92	74.00	-14.08	Peak
2	16564.320	15.90	45.27	61.17	68.20	-7.03	Peak

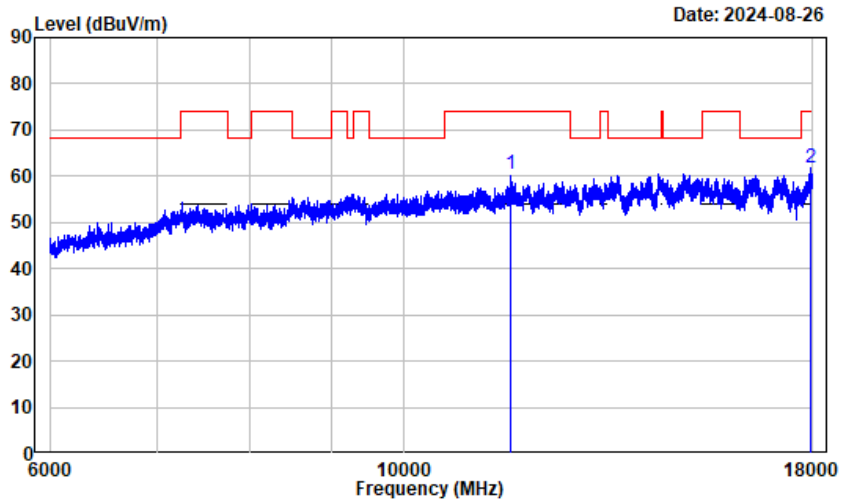
Horizontal-Average

6-18GHz



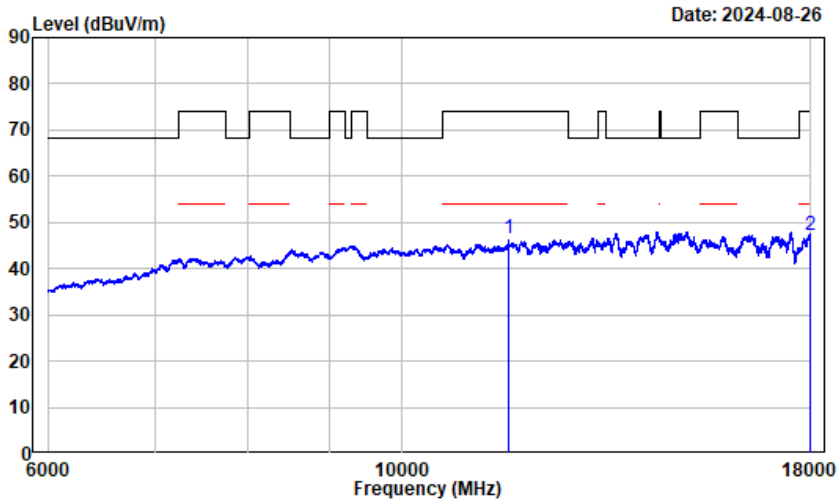
Condition : Horizontal
Project No.: 2401V67572E-RF
Tester : Dylan.Yang
Note : 5G_B4_A_5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	32.24	46.07	54.00	-7.93	Average
2	18000.000	24.62	22.74	47.36	54.00	-6.64	Average

Vertical-Peak	
6-18GHz	 Condition : Vertical Project No.: 2401V67572E-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 11650.000 13.83 46.46 60.29 74.00 -13.71 Peak 2 17944.490 24.22 37.72 61.94 74.00 -12.06 Peak

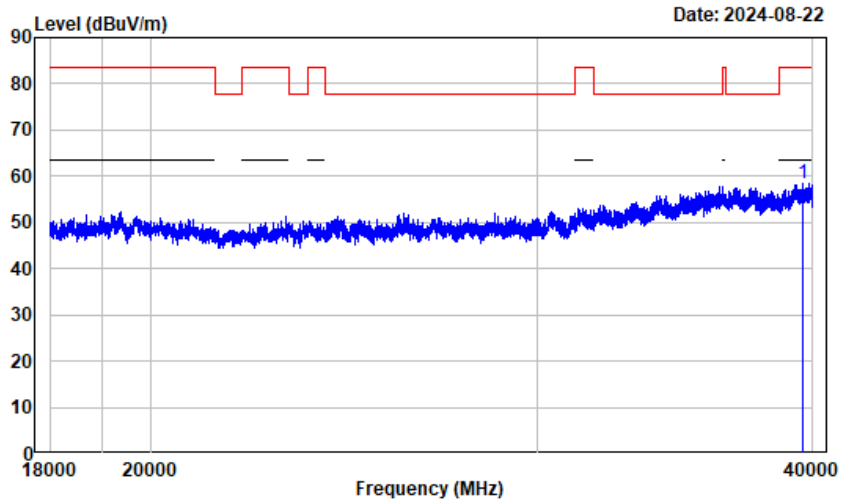
Vertical-Average

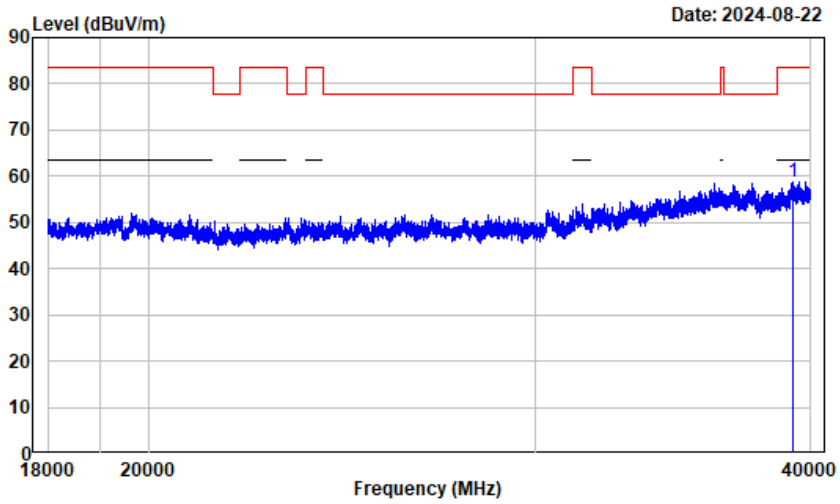
6-18GHz



Condition : Vertical
Project No.: 2401V67572E-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	11650.000	13.83	32.59	46.42	54.00	-7.58	Average
2	18000.000	24.62	22.73	47.35	54.00	-6.65	Average

Horizontal	
18-40GHz	 Condition : Horizontal Project No.: 2401V67572E-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 39601.200 22.79 35.54 58.33 83.50 -25.17 Peak

Vertical	
18-40GHz	 Condition : Vertical Project No.: 2401V67572E-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 39287.660 22.73 36.01 58.74 83.50 -24.76 Peak

FCC §15.407(a), (e) - 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%.

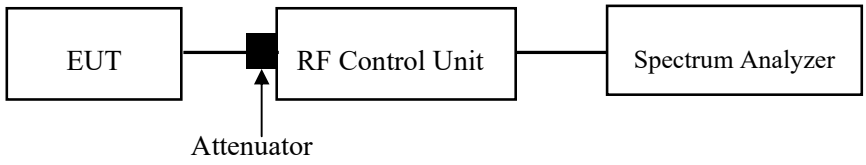
2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 × RBW.
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).



Test Data

Environmental Conditions

Temperature:	25~26 ℃
Relative Humidity:	55~57 %
ATM Pressure:	101 kPa

The testing was performed by Lee Li from 2024-08-10 to 2024-08-29.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

FCC §15.407(a) - 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.

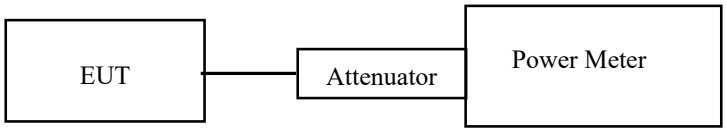
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11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



Test Data

Environmental Conditions

Temperature:	25~26 ℃
Relative Humidity:	55~57 %
ATM Pressure:	101 kPa

The testing was performed by Lee Li and Tom Tan from 2024-08-10 to 2024-08-29.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

FCC §15.407(a) - 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%

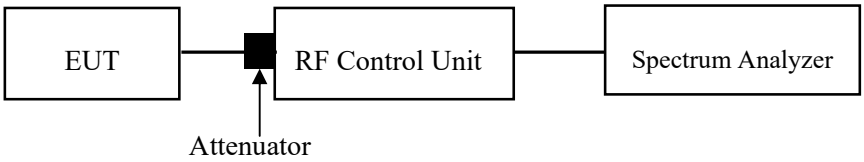
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

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.



Test Data

Environmental Conditions

Temperature:	25~26 ℃
Relative Humidity:	55~57 %
ATM Pressure:	101 kPa

The testing was performed by Lee Li and Tom Tan from 2024-08-10 to 2024-08-29.

EUT operation mode: Transmitting

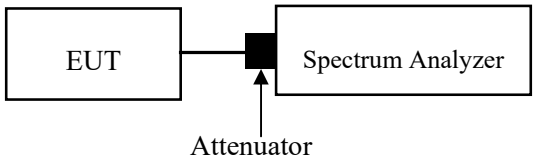
Test Result: Compliant. Please refer to the Appendix.

C63.10 §11.6- DUTY CYCLE

Test Procedure

According to ANSI C63.10-2013 Section 11.6

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



Test Data

Environmental Conditions

Temperature:	25~26 ℃
Relative Humidity:	55~57 %
ATM Pressure:	101 kPa

The testing was performed by Tom Tan and Lee Li from 2024-08-10 to 2024-10-21.

EUT operation mode: Transmitting

Test Result: Compliant. Please refer to the Appendix.

EUT PHOTOGRAPHS

Please refer to the attachment 2401V67572E-RF External photo and 2401V67572E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401V67572E-RFC Test Setup photo.

APPENDIX

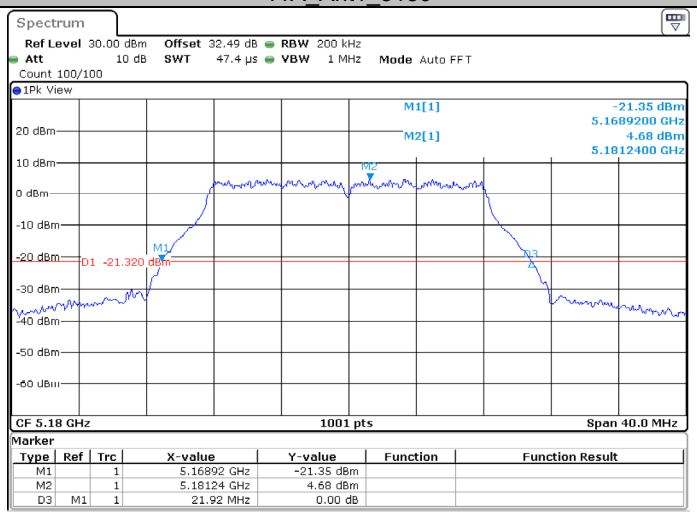
Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.92	5168.92	5190.84	---	---
		5200	21.84	5189.04	5210.88	---	---
		5240	21.52	5229.24	5250.76	---	---
		5260	21.60	5249.20	5270.80	---	---
		5280	21.48	5269.28	5290.76	---	---
		5320	21.72	5309.16	5330.88	---	---
		5500	21.76	5489.04	5510.80	---	---
		5580	21.52	5569.20	5590.72	---	---
		5700	21.80	5688.96	5710.76	---	---
11AC20SISO	Ant1	5180	22.04	5168.88	5190.92	---	---
		5200	22.04	5188.96	5211.00	---	---
		5240	21.92	5228.92	5250.84	---	---
		5260	22.00	5249.00	5271.00	---	---
		5280	21.88	5268.92	5290.80	---	---
		5320	21.76	5309.12	5330.88	---	---
		5500	22.04	5488.88	5510.92	---	---
		5580	22.04	5568.96	5591.00	---	---
		5700	22.08	5688.92	5711.00	---	---
11AC40SISO	Ant1	5190	41.20	5169.36	5210.56	---	---
		5230	41.36	5209.20	5250.56	---	---
		5270	41.04	5249.44	5290.48	---	---
		5310	41.20	5289.44	5330.64	---	---
		5510	41.36	5489.44	5530.80	---	---
		5550	41.20	5529.52	5570.72	---	---
		5670	42.00	5649.20	5691.20	---	---
11AX20SISO	Ant1	5180	22.76	5168.48	5191.24	---	---
		5200	22.36	5188.88	5211.24	---	---
		5240	22.40	5228.76	5251.16	---	---
		5260	22.12	5249.04	5271.16	---	---
		5280	22.36	5268.76	5291.12	---	---
		5320	22.40	5308.64	5331.04	---	---
		5500	22.08	5488.88	5510.96	---	---
		5580	22.12	5568.80	5590.92	---	---
		5700	22.32	5688.72	5711.04	---	---
11AX40SISO	Ant1	5190	41.52	5169.20	5210.72	---	---
		5230	41.84	5209.04	5250.88	---	---
		5270	41.60	5249.20	5290.80	---	---
		5310	41.84	5289.12	5330.96	---	---
		5510	41.36	5489.20	5530.56	---	---
		5550	41.68	5529.20	5570.88	---	---
		5670	41.52	5649.36	5690.88	---	---

Test Graphs

11A_Ant1_5180



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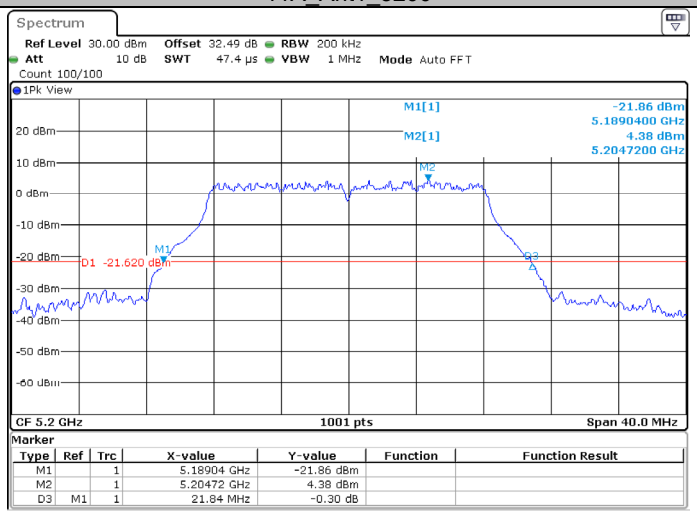

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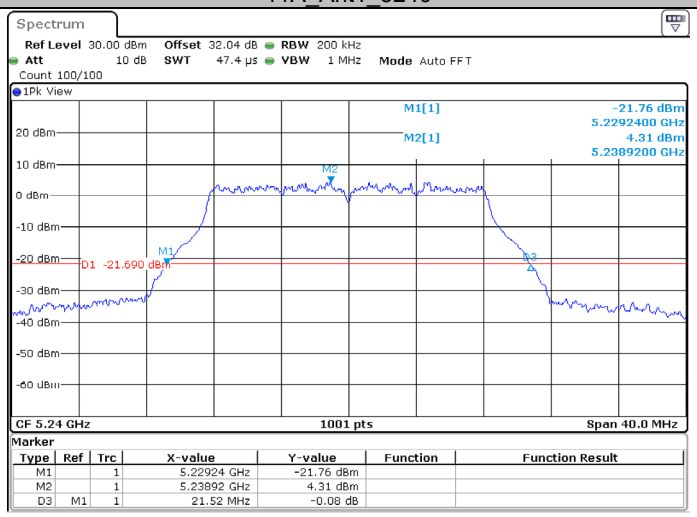

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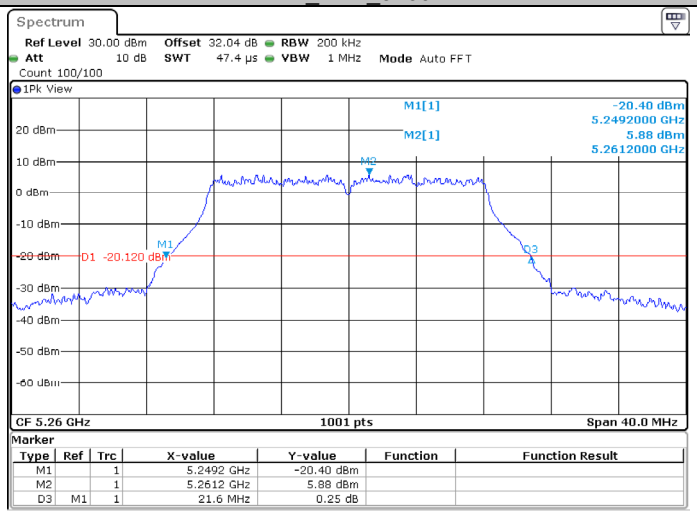

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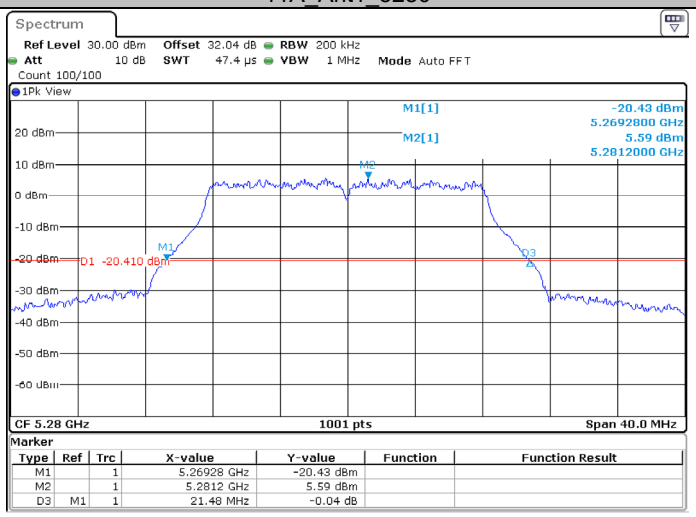

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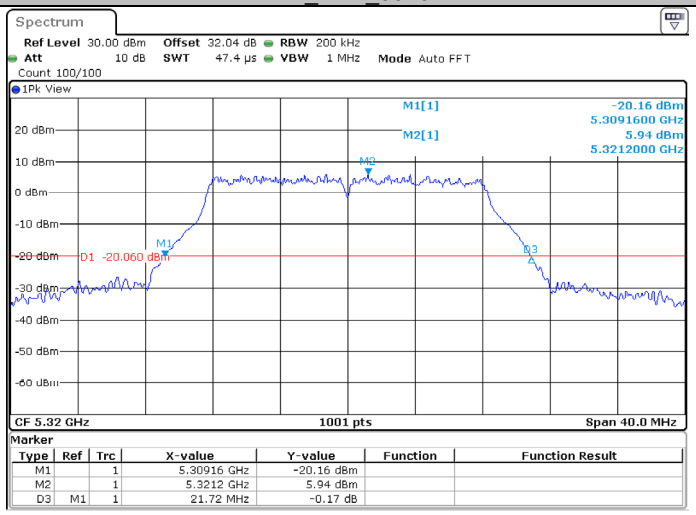

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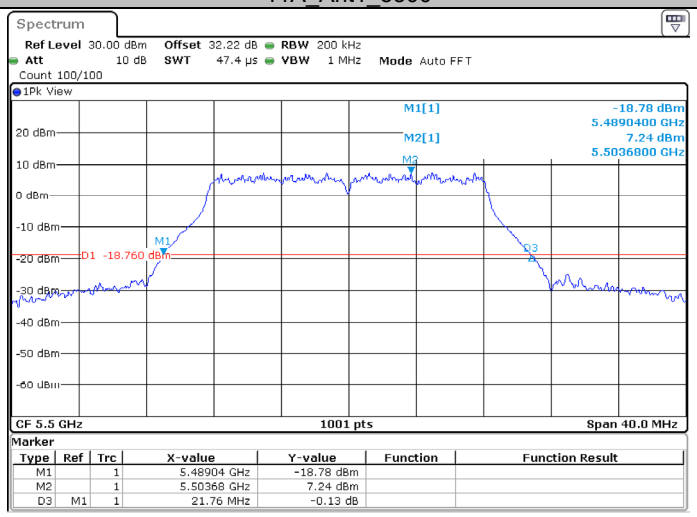

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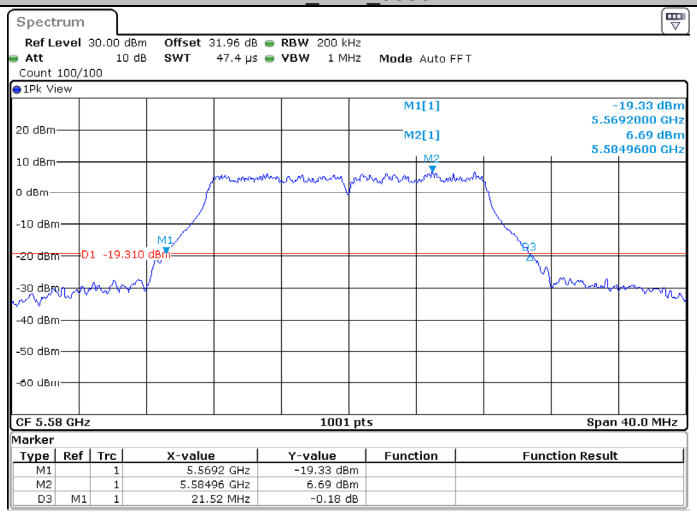

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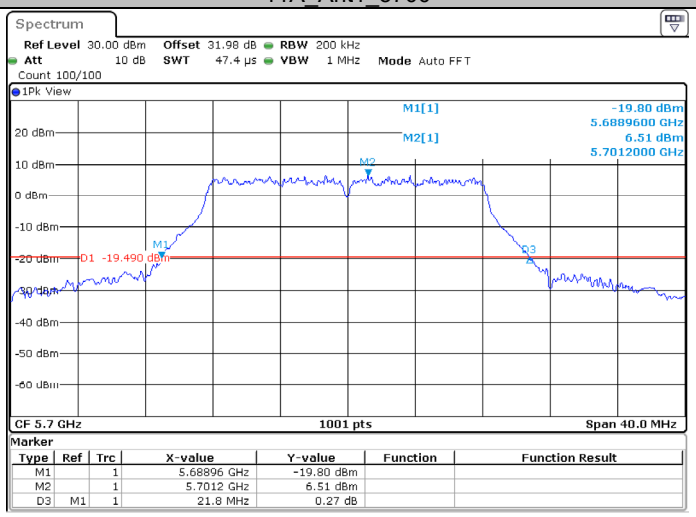

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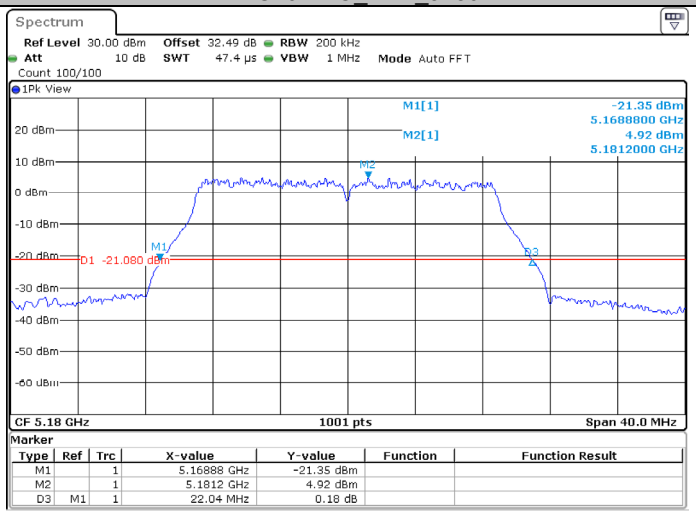

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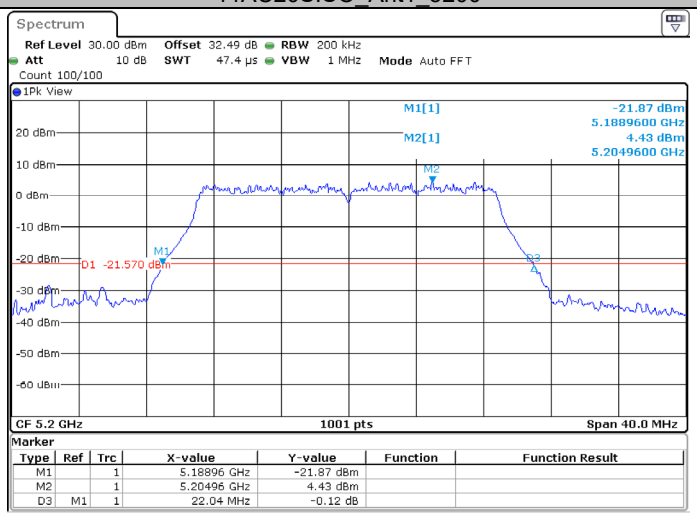

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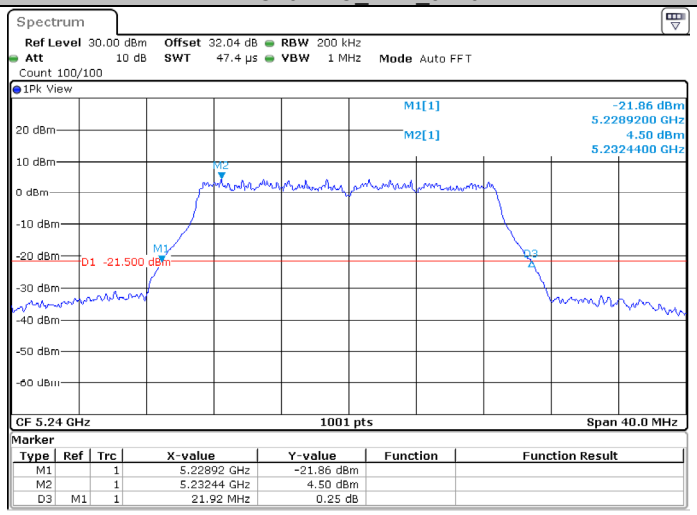

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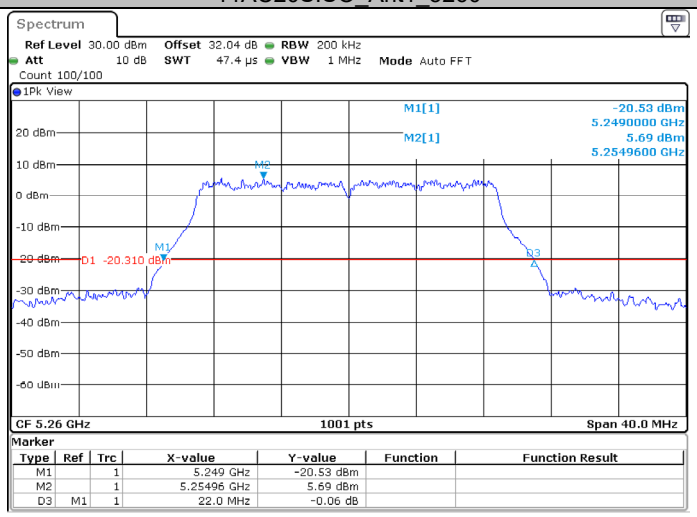

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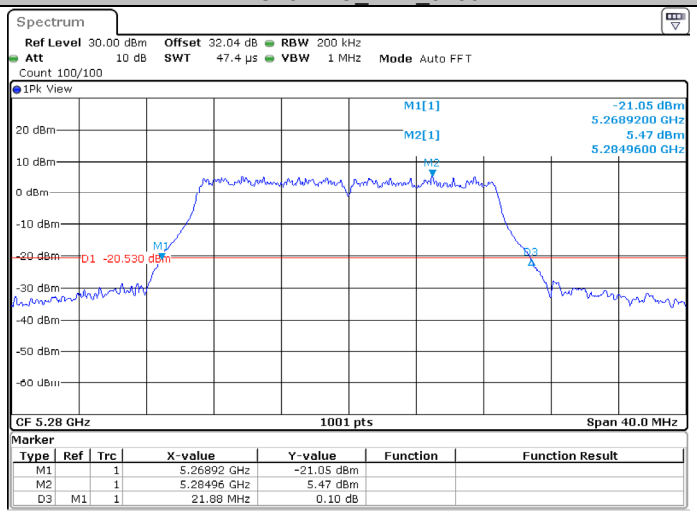
11AC20SISO_Ant1_5280



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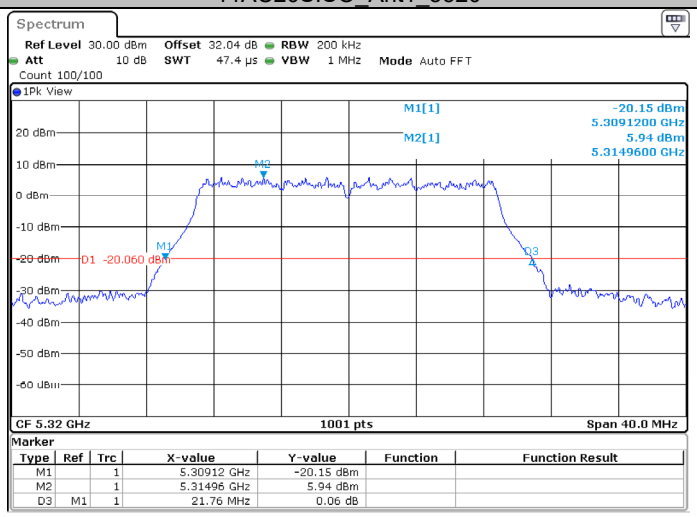

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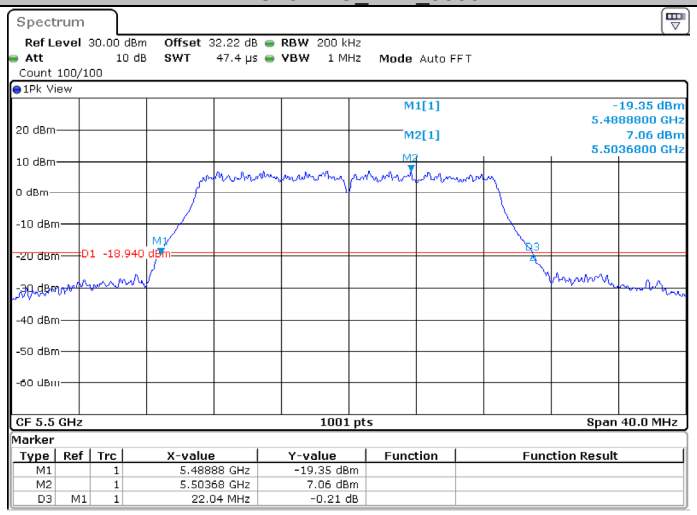

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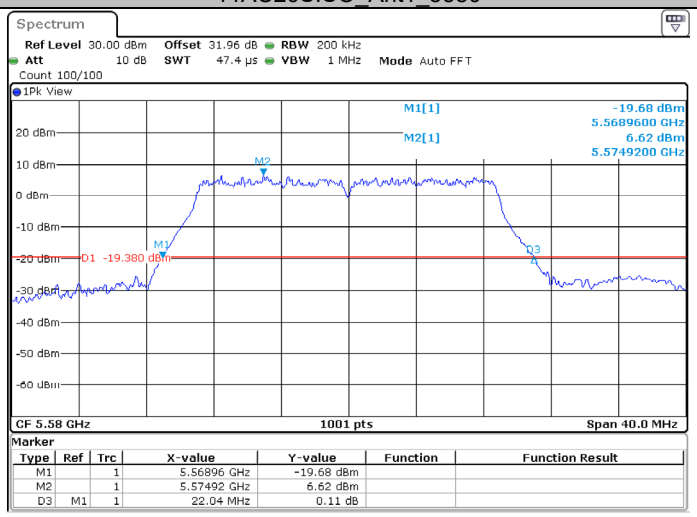

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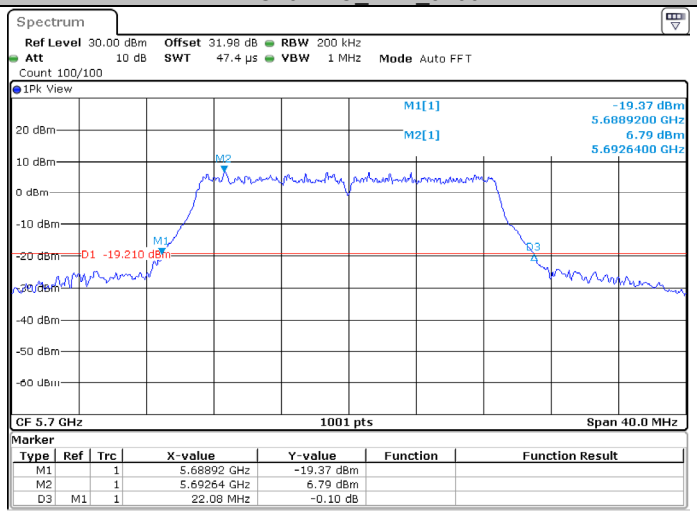

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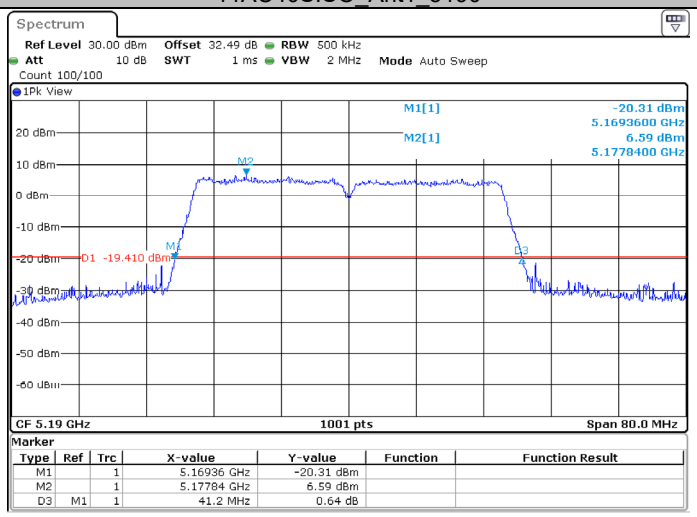

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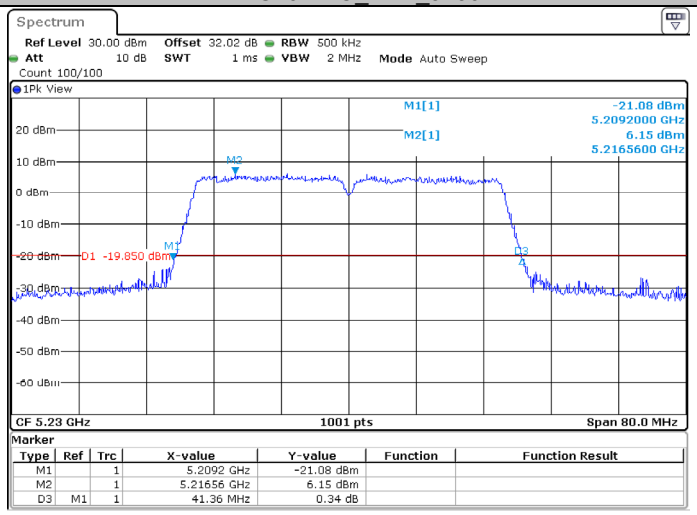

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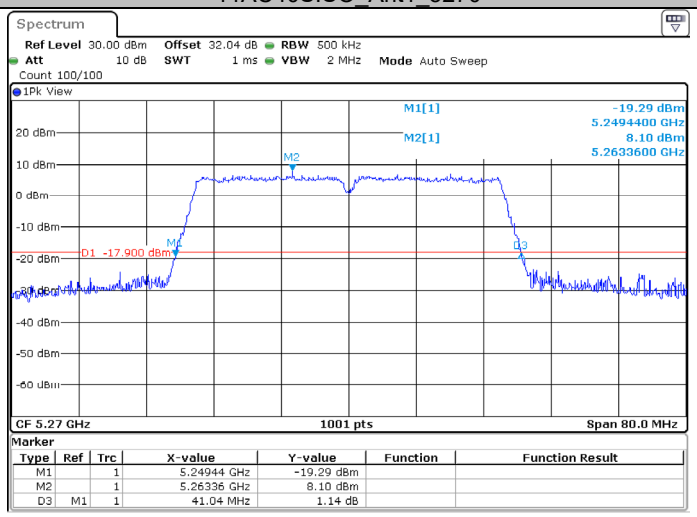

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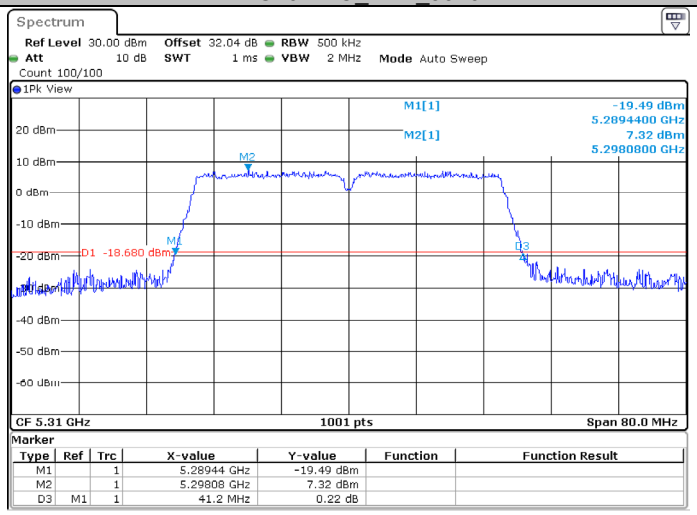

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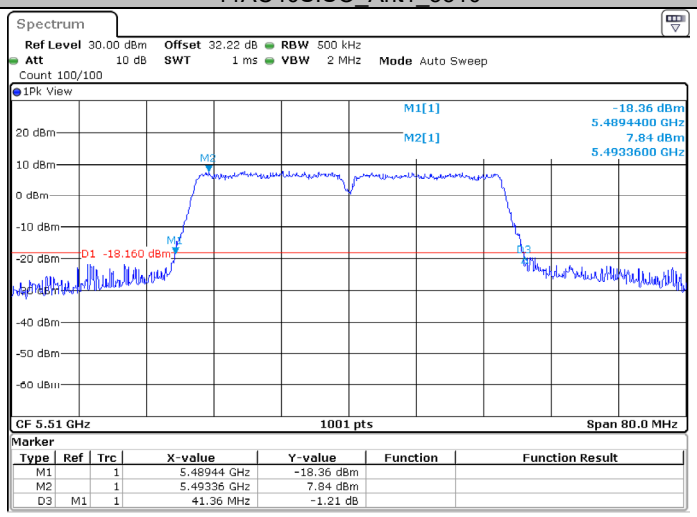

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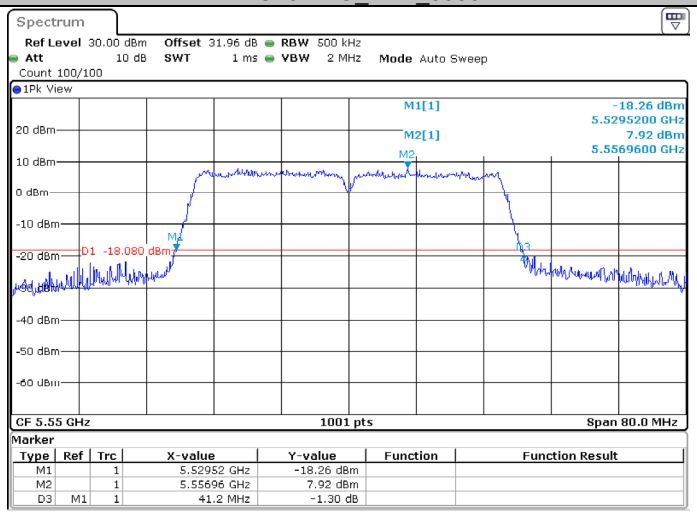

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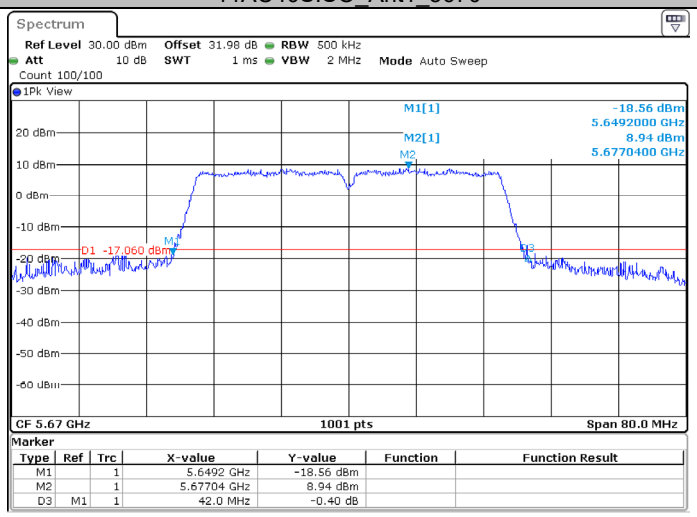

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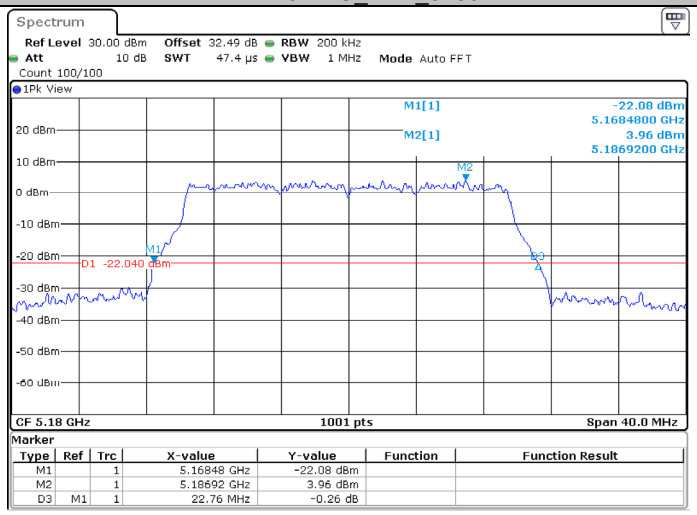

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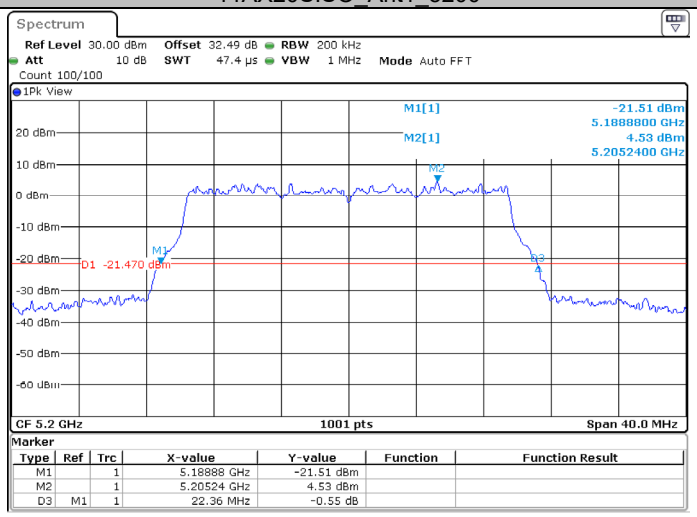

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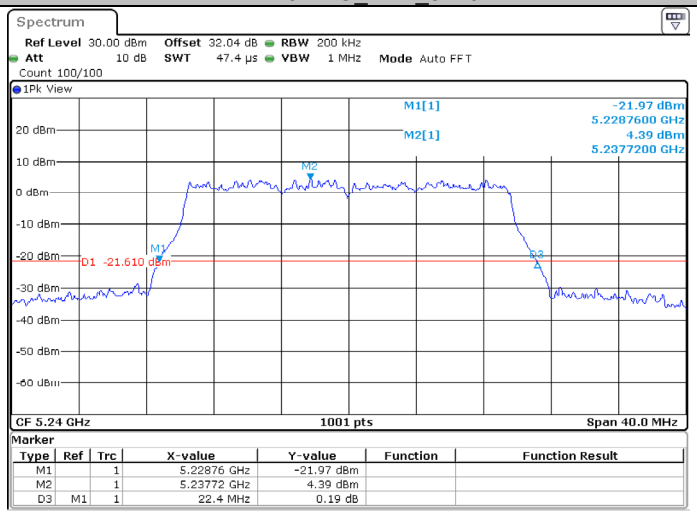

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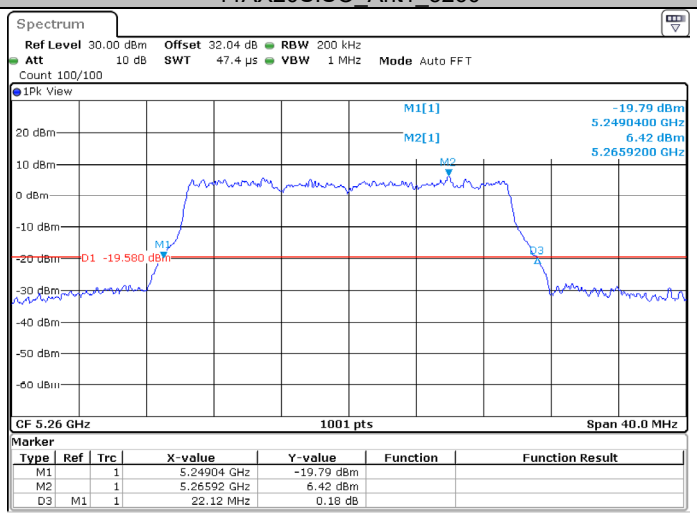

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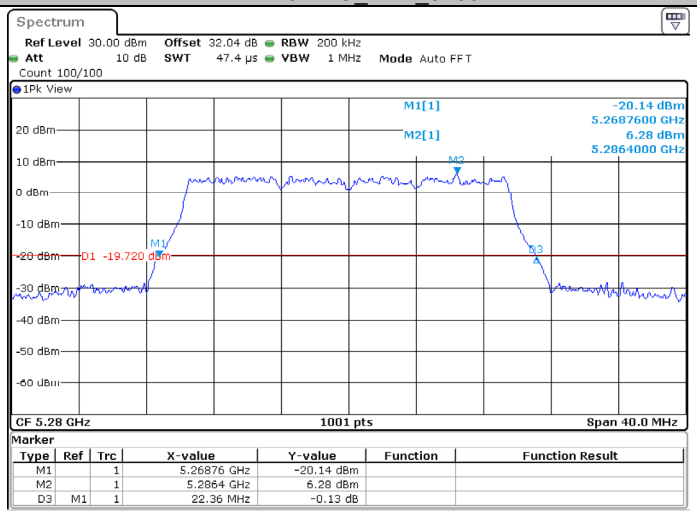

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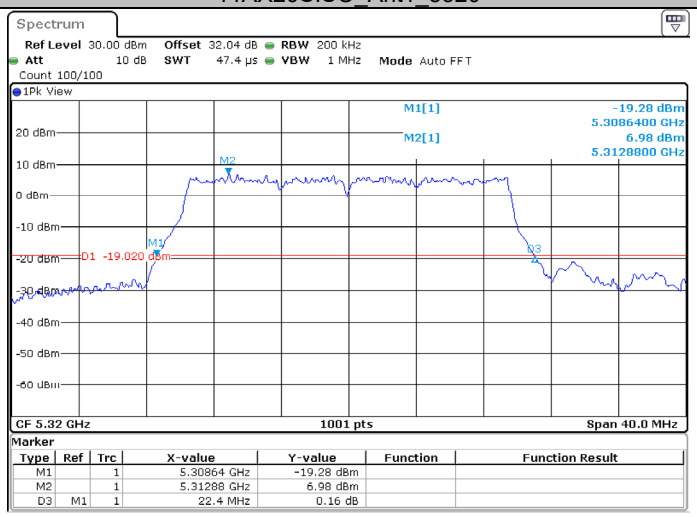

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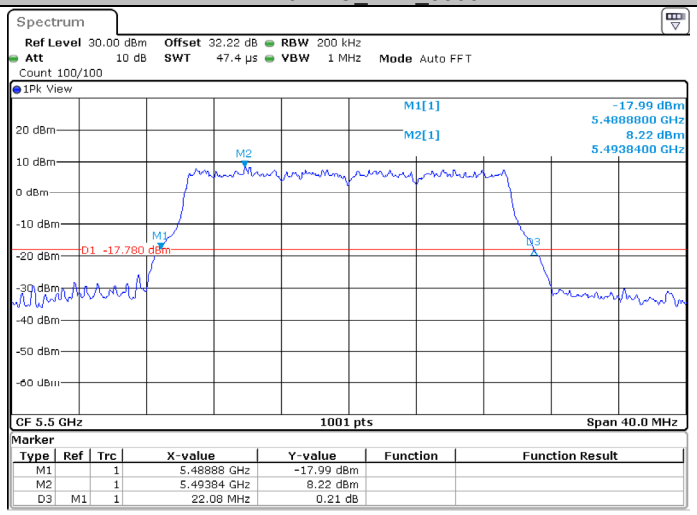

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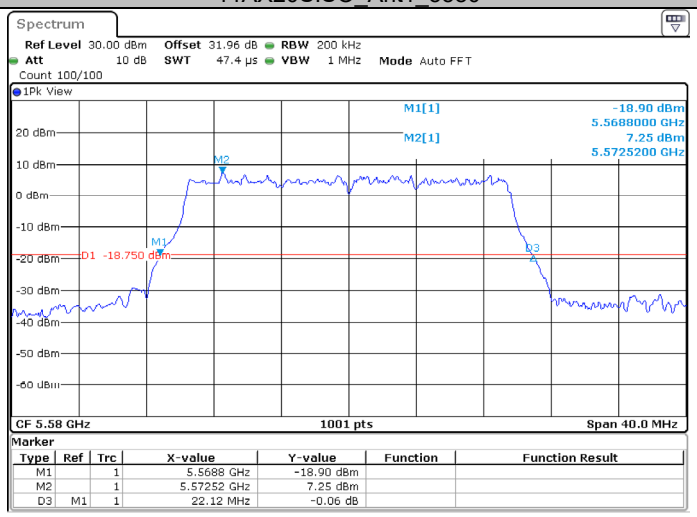

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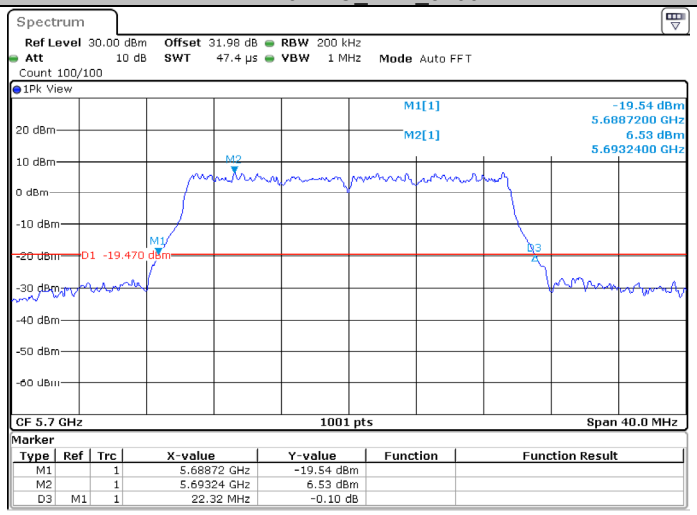

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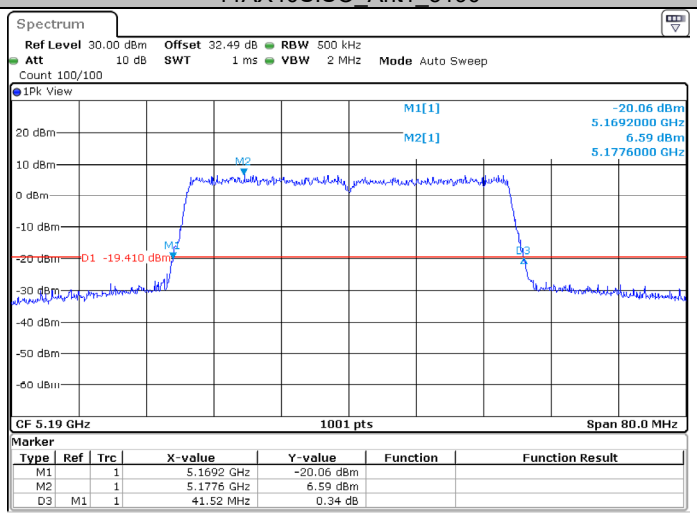

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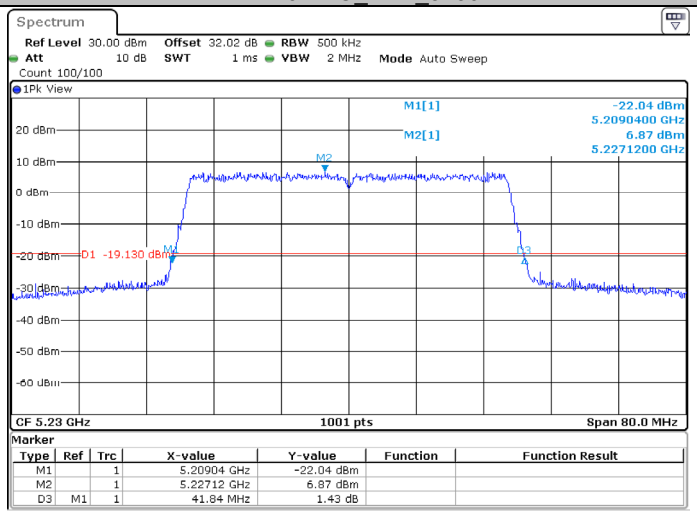

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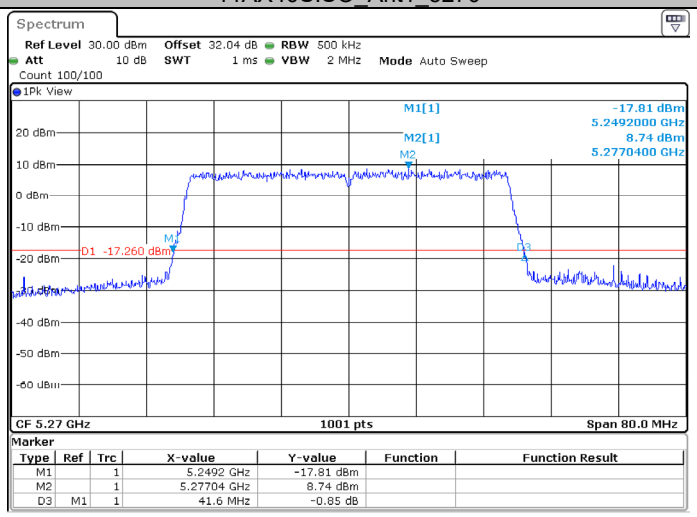

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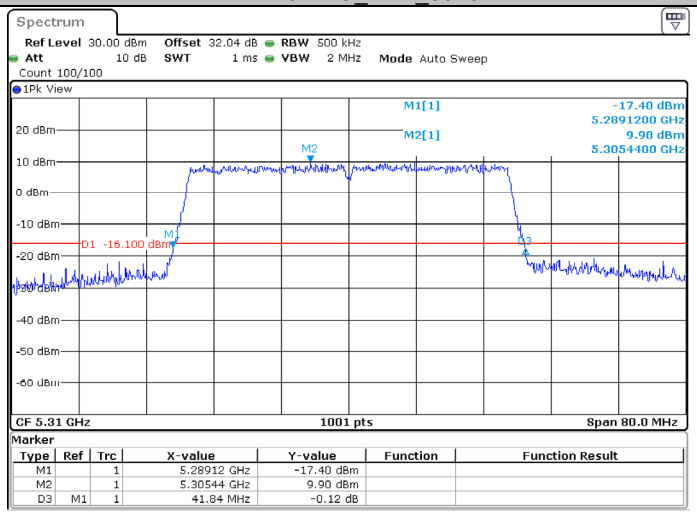

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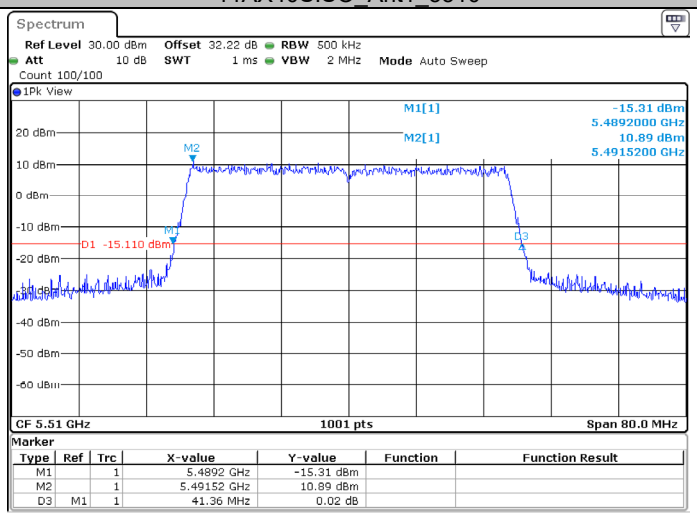

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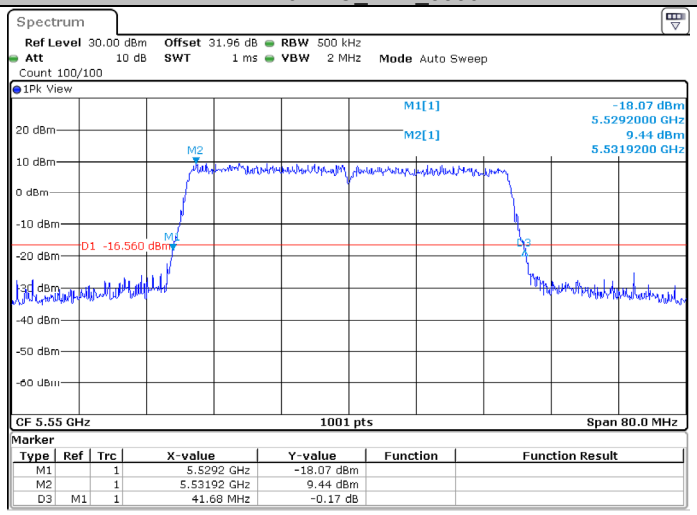

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Date: 29.AUG.2024 05:19:02

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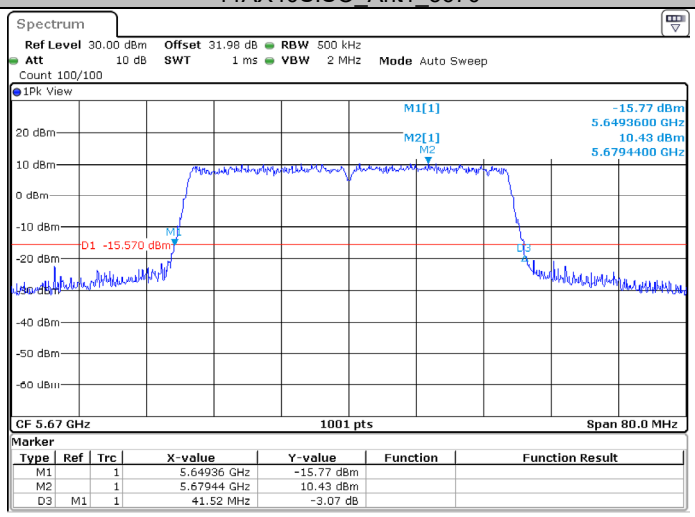


Appendix A2: Occupied Channel Bandwidth

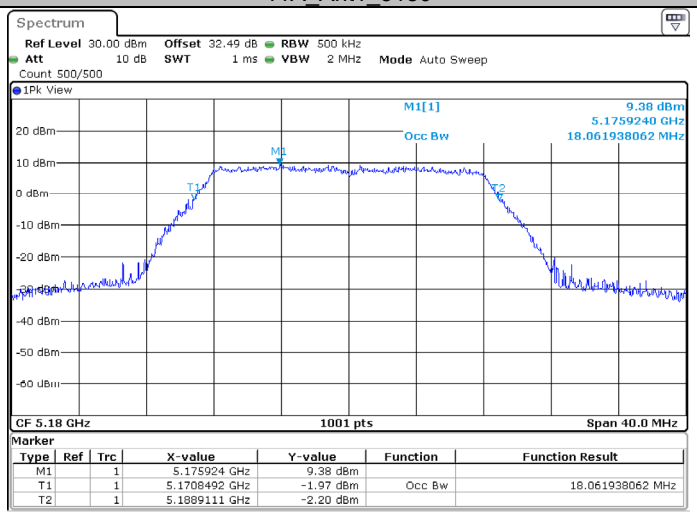
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.062	---	---
		5200	18.182	---	---
		5240	18.222	---	---
		5260	18.062	---	---
		5280	18.182	---	---
		5320	18.142	---	---
		5500	18.142	---	---
		5580	18.142	---	---
		5700	18.302	---	---
		5745	18.262	---	---
		5785	18.142	---	---
		5825	17.942	---	---
11AC20SISO	Ant1	5180	18.821	---	---
		5200	18.901	---	---
		5240	18.901	---	---
		5260	18.781	---	---
		5280	18.821	---	---
		5320	18.781	---	---
		5500	18.861	---	---
		5580	18.821	---	---
		5700	18.941	---	---
		5745	18.941	---	---
		5785	18.821	---	---
		5825	18.741	---	---
11AC40SISO	Ant1	5190	37.243	---	---
		5230	37.083	---	---
		5270	37.003	---	---
		5310	37.083	---	---
		5510	37.083	---	---
		5550	37.083	---	---
		5670	37.243	---	---
		5755	37.243	---	---
		5795	37.243	---	---
11AX20SISO	Ant1	5180	19.461	---	---
		5200	19.58	---	---
		5240	19.58	---	---
		5260	19.58	---	---
		5280	19.461	---	---
		5320	19.54	---	---
		5500	19.461	---	---

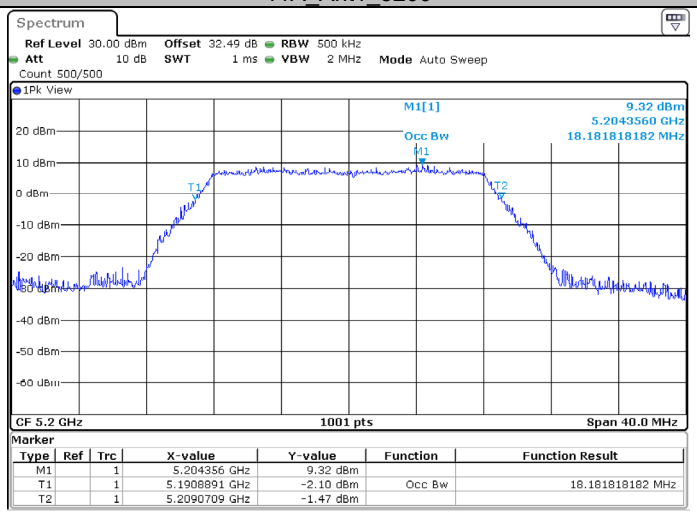
		5580	19.421	---	---
		5700	19.58	---	---
		5745	19.62	---	---
		5785	19.5	---	---
		5825	19.461	---	---
11AX40SISO	Ant1	5190	38.362	---	---
		5230	38.202	---	---
		5270	38.202	---	---
		5310	38.282	---	---
		5510	38.202	---	---
		5550	38.202	---	---
		5670	38.202	---	---
		5755	38.362	---	---
		5795	38.362	---	---
Note: For W52 and W58 band, no transmitted signal in the 99% bandwidth extends into the U-NII-2A band and U-NII-2C band.					

Test Graphs

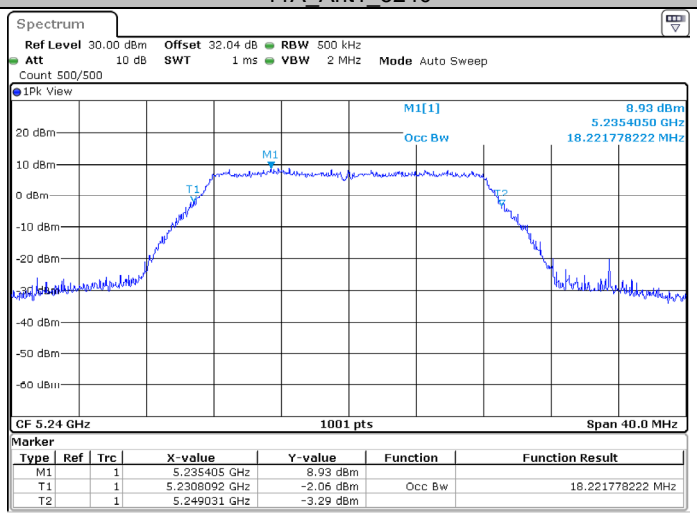
11A_Ant1_5180



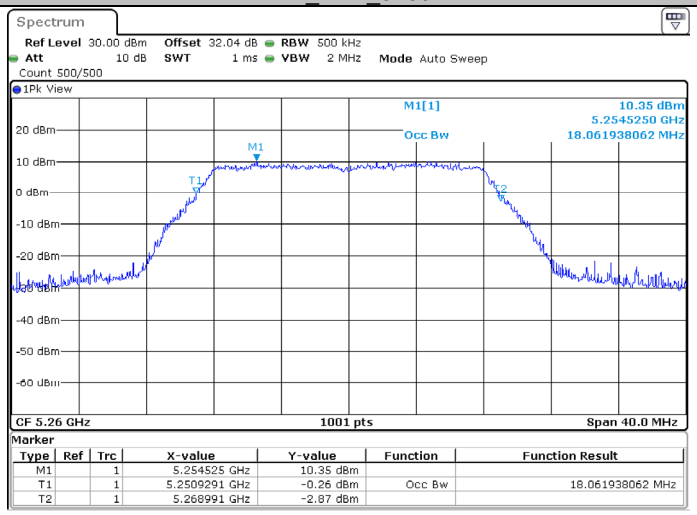
11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5260



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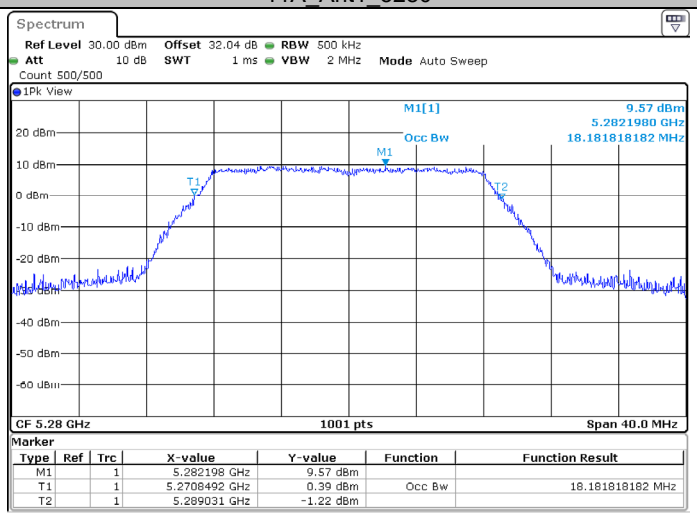

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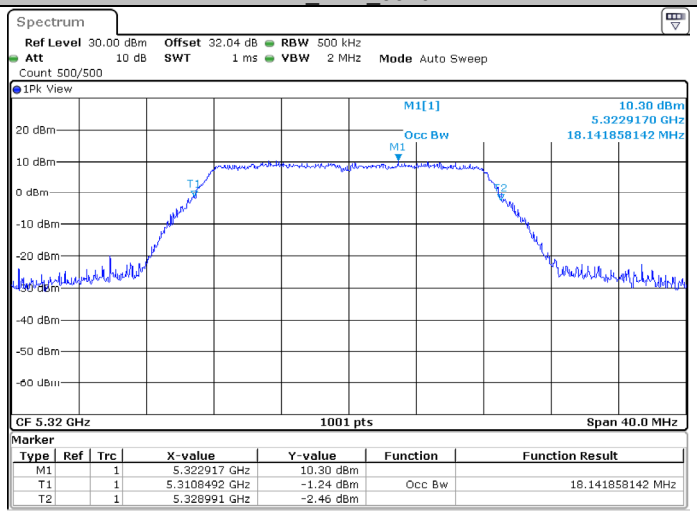
11A_Ant1_5320



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Date: 10.AUG.2024 02:50:21