

Project No: TM-2503000067P
Report No.: TMWK2503001053KR

FCC ID: 2AWUU68B2701

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RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART E

(CLASS II PERMISSIVE CHANGE)

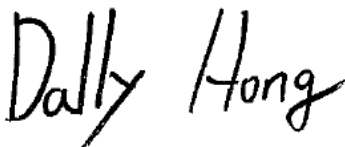
Test Standard	FCC Part 15.407
Product name	Outdoor Wi-Fi Gateway
Brand Name	Verkada
Model No.	GW31-E-HW
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.(Wugu Laboratory)

Approved by:



Dally Hong
Sr. Engineer

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	April 11, 2025	Initial Issue	ALL	Peggy Tsai
01	April 18, 2025	See the following Note Rev. (01)	P.14-17, 19-21	Peggy Tsai
02	April 22, 2025	See the following Note Rev. (02)	P. 4, 7, 11, 19-21, 140-152	Peggy Tsai
03	April 24, 2025	See the following Note Rev. (03)	P. 4, 8, 14-16, 22, 23, 144-146	Peggy Tsai
04	April 25, 2025	See the following Note Rev. (04)	P. 18, 20, 21	Peggy Tsai

Note

Rev. (01)

1. Added EUT Duty Cycle in section 3.3.
2. Modify test limit in section 4.1.1.
3. Modify required limit in section 4.1.4.

Rev. (02)

1. Modify Date of Test in section 1.1.
2. Modify Measurement Uncertainty and test summary in section 1.4 and 2.
3. Added Notes in section 4.1.4.
4. Added Power Spectral Density in section 4.3.

Rev. (03)

1. Modify Date of Test and Instrument Calibration in section 1.1 and 1.6.
2. Modify EUT Duty Cycle in section 3.3.
3. Modify test result in section 4.1.4.
4. Modify Note in section 4.3.4.

Rev. (04)

1. Modify Test Procedure and Test Setup in section 4.1.2 and 4.1.3.
2. Modify Test Result in section 4.1.4.



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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	Verkada Inc 405 E. 4th Ave. San Mateo California United States 94401
Manufacturer	Verkada Inc 405 E. 4th Ave. San Mateo California United States 94401
Equipment	Outdoor Wi-Fi Gateway
Model No.	GW31-E-HW
Model Discrepancy	N/A
Trade Name	Verkada
Received Date	March 10, 2025
Date of Test	March 14 ~ April 23, 2025
Power Operation	1. Powered from Adapter (APD / DA-80A54) I/P: 100-240Vac, 50-60Hz, 1.5A MAX O/P: 54.0Vdc, 1.48A, 79.92W 2. Powered from PoE (EnGenius / PNA90BGS-54-TG) I/P: 100-240Vac, 1.5A, 50-60Hz O/P: 56Vdc, 1.7A 3. Powered from DC 12V
EUT Serial #	68B2701-DVT01-ANT-20
HW Version	0.1
FW Version	0.1
Class II Permissive Change	1. Added new antenna. (Verkada / ACC-ANT-20)

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 EUT CHANNEL INFORMATION

Frequency Range	UNII-1 <table> <tr><td>IEEE 802.11a</td><td>5180 ~ 5240 MHz</td></tr> <tr><td>IEEE 802.11n HT20</td><td>5180 ~ 5240 MHz</td></tr> <tr><td>IEEE 802.11ac VHT20</td><td>5180 ~ 5240 MHz</td></tr> <tr><td>IEEE 802.11n HT40</td><td>5190 ~ 5230 MHz</td></tr> <tr><td>IEEE 802.11ac VHT40</td><td>5190 ~ 5230 MHz</td></tr> <tr><td>IEEE 802.11ac VHT80</td><td>5210 MHz</td></tr> <tr><td>IEEE 802.11ax HE20</td><td>5180 ~ 5240 MHz</td></tr> <tr><td>IEEE 802.11ax HE40</td><td>5190 ~ 5230 MHz</td></tr> <tr><td>IEEE 802.11ax HE80</td><td>5210 MHz</td></tr> </table> UNII-3 <table> <tr><td>IEEE 802.11a</td><td>5745 ~ 5825 MHz</td></tr> <tr><td>IEEE 802.11n HT20</td><td>5745 ~ 5825 MHz</td></tr> <tr><td>IEEE 802.11ac VHT20</td><td>5745 ~ 5825 MHz</td></tr> <tr><td>IEEE 802.11n HT40</td><td>5755 ~ 5795 MHz</td></tr> <tr><td>IEEE 802.11ac VHT40</td><td>5755 ~ 5795 MHz</td></tr> <tr><td>IEEE 802.11ac VHT80</td><td>5775 MHz</td></tr> <tr><td>IEEE 802.11ax HE20</td><td>5745 ~ 5825 MHz</td></tr> <tr><td>IEEE 802.11ax HE40</td><td>5755 ~ 5795 MHz</td></tr> <tr><td>IEEE 802.11ax HE80</td><td>5775 MHz</td></tr> </table>	IEEE 802.11a	5180 ~ 5240 MHz	IEEE 802.11n HT20	5180 ~ 5240 MHz	IEEE 802.11ac VHT20	5180 ~ 5240 MHz	IEEE 802.11n HT40	5190 ~ 5230 MHz	IEEE 802.11ac VHT40	5190 ~ 5230 MHz	IEEE 802.11ac VHT80	5210 MHz	IEEE 802.11ax HE20	5180 ~ 5240 MHz	IEEE 802.11ax HE40	5190 ~ 5230 MHz	IEEE 802.11ax HE80	5210 MHz	IEEE 802.11a	5745 ~ 5825 MHz	IEEE 802.11n HT20	5745 ~ 5825 MHz	IEEE 802.11ac VHT20	5745 ~ 5825 MHz	IEEE 802.11n HT40	5755 ~ 5795 MHz	IEEE 802.11ac VHT40	5755 ~ 5795 MHz	IEEE 802.11ac VHT80	5775 MHz	IEEE 802.11ax HE20	5745 ~ 5825 MHz	IEEE 802.11ax HE40	5755 ~ 5795 MHz	IEEE 802.11ax HE80	5775 MHz
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Modulation Type	1. IEEE 802.11a mode: OFDM 2. IEEE 802.11n HT 20 MHz mode: OFDM 3. IEEE 802.11n HT 40 MHz mode: OFDM 4. IEEE 802.11ac VHT 20 MHz mode: OFDM 5. IEEE 802.11ac VHT 40 MHz mode: OFDM 6. IEEE 802.11ac VHT 80 MHz mode: OFDM 7. IEEE 802.11ax HE 20 MHz mode: OFDMA 8. IEEE 802.11ax HE 40 MHz mode: OFDMA 9. IEEE 802.11ax HE 80 MHz mode: OFDMA																																				

Remark:

1. Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom



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1.3 ANTENNA INFORMATION

Antenna-1	Antenna Type	☐ PIFA ☐ PCB ☒ Dipole ☐ Coils
	Antenna Brand / Model	Senao / 7102A1338000
	Antenna Gain	Band I: 5150-5250MHz Ant 1: Gain 5.07dBi Ant 2: Gain 4.96dBi Direction gain: Gain: 8.03 dBi Band I (Elevation above 30°) Ant 1: Gain -2.57dBi Ant 2: Gain -1.96dBi Direction gain: Gain: 0.75 dBi Band IV: 5725-5850MHz Ant 1: Gain 4.85dBi Ant 2: Gain 5.03dBi Direction gain: Gain: 7.95 dBi
	Antenna Connectors	N-Type
Antenna-2	Antenna Type	☐ PIFA ☒ Directional Antenna
	Antenna Brand / Model	Verkada / ACC-ANT-20
	Antenna Gain	Band I: 5150-5250MHz Chain 0: Gain: 13.2 dBi Chain 1: Gain: 13.2 dBi Direction gain: Gain: 16.21 dBi Band I (Elevation above 30°) Chain 0: Gain: -1.96 dBi Chain 1: Gain: -1.96 dBi Direction gain: Gain: 1.05 dBi Band IV: 5725-5850MHz Chain 0: Gain: 13.2 dBi Chain 1: Gain: 13.2 dBi Direction gain: Gain: 16.21 dBi
	Antenna Connectors	N-Type

Note:

- 1.The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.
2. Directional Gain= $10 \cdot \log \left(\frac{10^{\text{Ant1}/20} + 10^{\text{Ant2}/20}}{2} \right)$.



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1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
RF output power (Spectrum)	± 2.74 dB
Power Spectral density	± 2.74 dB
Radiated Emission_9kHz-30MHz	± 3.492 dB
Radiated Emission_30MHz-200MHz	± 3.62 dB
Radiated Emission_200MHz-1GHz	± 3.899 dB
Radiated Emission_1GHz-6GHz	± 5.063 dB
Radiated Emission_6GHz-18GHz	± 5.122 dB
Radiated Emission_18GHz-26GHz	± 3.032 dB
Radiated Emission_26GHz-40GHz	± 3.271 dB

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

Test site	Test Engineer	Remark
Radiation	Tony Chao, Ben Yang	-
RF Conducted	David Li	-

Remark: 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. :444940, the FCC Designation No.:TW1309



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1.6 INSTRUMENT CALIBRATION

Conducted_FCC/IC/NCC (All)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EXA Signal Analyzer	Keysight	N9010A	MY53400256	2024/11/19	2025/11/18
PXA Signal Analyzer	Keysight	N9030B	MY62291089	2024-10-04	2025/10/3
Power Sensor	Anritsu	MA2411B	1911387	2024/08/30	2025/08/29
Power Sensor	Anritsu	MA2411B	1911386	2024/07/19	2025/07/18
Power Meter	Anritsu	ML2496A	2136002	2024/07/19	2025/07/18
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2024/08/08	2025/08/07
Attenuator	Marvelous Microwave Inc	MVE2213-10	08	2024/11/07	2025/11/06
Software	Radio Test Software Ver. 21				

966A_Radiated					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY52220817	2025-03-05	2026-03-04
Active Loop Antenna	SCHWARZBECK	FMZB 1513-60	1513-60-028	2024-12-11	2025-12-10
Thermo-Hygro Meter	WISEWIND	1206	D07	2024-11-26	2025-11-25
Bi-Log Antenna	Sunol Sciences	JB3	A030105	2024-07-12	2025-07-11
Preamplifier	EMEC	EM330	060609	2025-02-20	2026-02-19
Cable	Huber+Suhner	104PEA	20995+21000+182330	2024-08-07	2025-08-06
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2024-12-20	2025-12-19
Preamplifier	HP	8449B	3008A00965	2024-12-18	2025-12-17
Cable	EMCI	EMC101G	221012+230205+250204	2025-03-03	2026-03-02
Attenuator	Mini-Circuits	BW-S9W5	BWS9W5-09-966A-01	2025-02-06	2026-02-05
Site Validation	CCS	966A	N/A	2024-08-03	2025-08-02
High Pass Filters	Titan Microwave	T04H70002600050S01	22011402-6	2025-01-22	2026-01-21
Pre-Amplifier	EMCI	EMC184045SE	980860	2024-12-02	2025-12-01
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2024-12-06	2025-12-05
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 V9-210616c				

Remark:

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.



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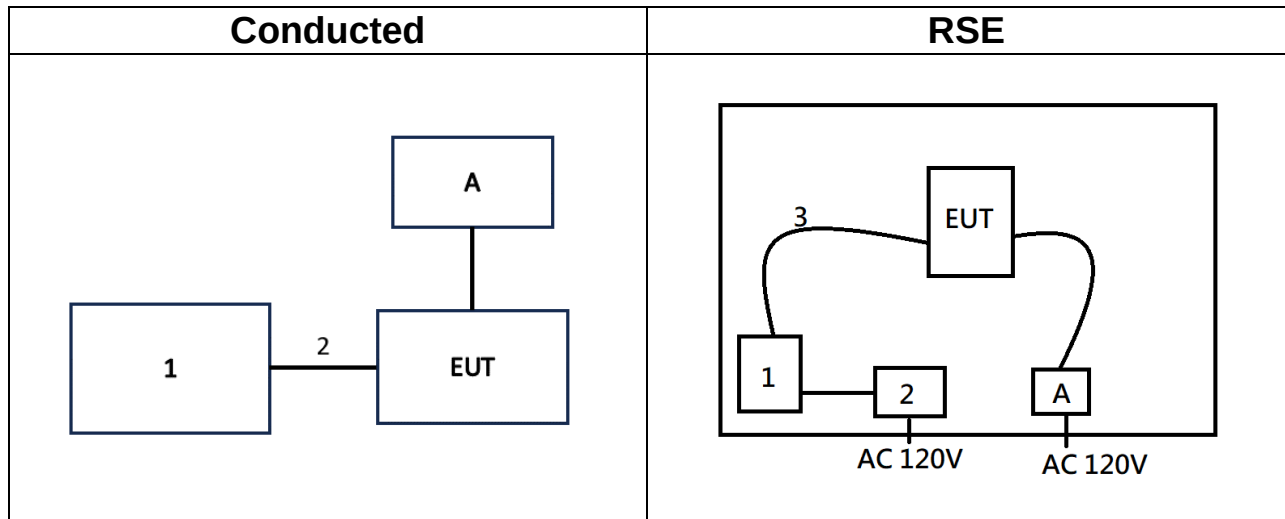
1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
	N/A					

Support Equipment (Conducted)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(1822)	Lenovo	L480	N/A	N/A
2	Lan Cable	ATAKE	AC6-FL10	N/A	N/A
A	Adapter	APD	DA-80A54	N/A	N/A

Support Equipment (RSE)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(D)	Lenovo	ThinkPad X260	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A
3	RJ 45	atake	AC6-FL10	202108270206	N/A
A	Adapter	APD	DA-80A54	S3B01999000025	N/A

1.8 TEST SET UP DIAGRAM



1.9 TEST PROGRAM

The EUT connection corresponds to the surrounding fixture control board. This EUT uses "Tera Term" setup command and Fleming.cxtt software to set the frequency, modulation, and power to allow the sample to continuously transmit.

1.10 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.407, KDB 789033 D02 v02r01.



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2. TEST SUMMERY

FCC Standard Sec.	Chapter	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.407(a)	4.1	Output Power Measurement	Pass
15.407(b)	4.2	Radiation Band Edge	Pass
15.407(b)	4.2	Radiation Spurious Emission	Pass
15.407(a)	4.3	Power Spectral Density	Pass



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3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	1. IEEE 802.11a mode: 6Mbps 2. IEEE 802.11n HT20 mode: MCS0 3. IEEE 802.11n HT40 mode: MCS0 4. IEEE 802.11ac VHT20 mode: MCS0 5. IEEE 802.11ac VHT40 mode: MCS0 6. IEEE 802.11ac VHT80 mode: MCS0 7. IEEE 802.11ax HE20 mode: MCS0 8. IEEE 802.11ax HE40 mode: MCS0 9. IEEE 802.11ax HE80 mode: MCS0																																											
Operating Frequency	<table><tr><td></td><td>Mode</td><td>Frequency Range (MHz)</td></tr><tr><td rowspan="9">U-NII-1</td><td>IEEE 802.11a</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11n HT20</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11n HT40</td><td>5190, 5230</td></tr><tr><td>IEEE 802.11ac VHT20</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11ac VHT40</td><td>5190, 5230</td></tr><tr><td>IEEE 802.11ac VHT80</td><td>5210</td></tr><tr><td>IEEE 802.11ax HE20</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11ax HE40</td><td>5190, 5230</td></tr><tr><td>IEEE 802.11ax HE80</td><td>5210</td></tr><tr><td rowspan="9">U-NII-3</td><td>IEEE 802.11a</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11n HT20</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11n HT40</td><td>5755, 5795</td></tr><tr><td>IEEE 802.11ac VHT20</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11ac VHT40</td><td>5755, 5795</td></tr><tr><td>IEEE 802.11ac VHT80</td><td>5775</td></tr><tr><td>IEEE 802.11ax HE20</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11ax HE40</td><td>5755, 5795</td></tr><tr><td>IEEE 802.11ax HE80</td><td>5775</td></tr></table>				Mode	Frequency Range (MHz)	U-NII-1	IEEE 802.11a	5180, 5220, 5240	IEEE 802.11n HT20	5180, 5220, 5240	IEEE 802.11n HT40	5190, 5230	IEEE 802.11ac VHT20	5180, 5220, 5240	IEEE 802.11ac VHT40	5190, 5230	IEEE 802.11ac VHT80	5210	IEEE 802.11ax HE20	5180, 5220, 5240	IEEE 802.11ax HE40	5190, 5230	IEEE 802.11ax HE80	5210	U-NII-3	IEEE 802.11a	5745, 5785, 5825	IEEE 802.11n HT20	5745, 5785, 5825	IEEE 802.11n HT40	5755, 5795	IEEE 802.11ac VHT20	5745, 5785, 5825	IEEE 802.11ac VHT40	5755, 5795	IEEE 802.11ac VHT80	5775	IEEE 802.11ax HE20	5745, 5785, 5825	IEEE 802.11ax HE40	5755, 5795	IEEE 802.11ax HE80	5775
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	IEEE 802.11ax HE80	5775																																										
Operation Transmitter	1. IEEE 802.11a mode: 2T2R(SISO) 2. IEEE 802.11n HT20 mode: 2T2R(MIMO) 3. IEEE 802.11n HT40 mode: 2T2R(MIMO) 4. IEEE 802.11ac VHT20 mode: 2T2R(MIMO) 5. IEEE 802.11ac VHT40 mode: 2T2R(MIMO) 6. IEEE 802.11ac VHT80 mode: 2T2R(MIMO) 7. IEEE 802.11ax HE20 mode: 2T2R(MIMO) 8. IEEE 802.11ax HE40 mode: 2T2R(MIMO) 9. IEEE 802.11ax HE80 mode: 2T2R(MIMO)																																											

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.



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3.2 THE WORST MODE OF MEASUREMENT

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Adapter
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☐ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☒ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Adapter
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Z-Plane) were recorded in this report



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3.3 EUT DUTY CYCLE

Temperature: 19.2 ~ 25.2°C

Test date: March 14 ~ April 23, 2025

Humidity: 50 ~ 64% RH

Tested by: David Li

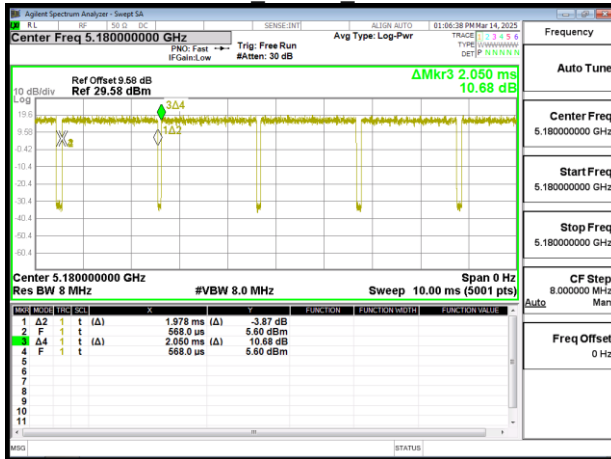
Mode		Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a		96.49	0.16	0.51	1.00
802.11n_20		80.30	0.95	0.18	1.00
802.11ac_20		80.44	0.95	0.18	1.00
802.11n_40		80.44	0.95	0.18	1.00
802.11ac_40		80.44	0.95	0.18	1.00
802.11ac_80		80.34	0.95	0.18	1.00
Mode	RU Config	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11ax_20	Full	80.48	0.94	0.18	1.00
802.11ax_40	Full	80.15	0.96	0.18	1.00
802.11ax_80	Full	80.34	0.95	0.18	1.00



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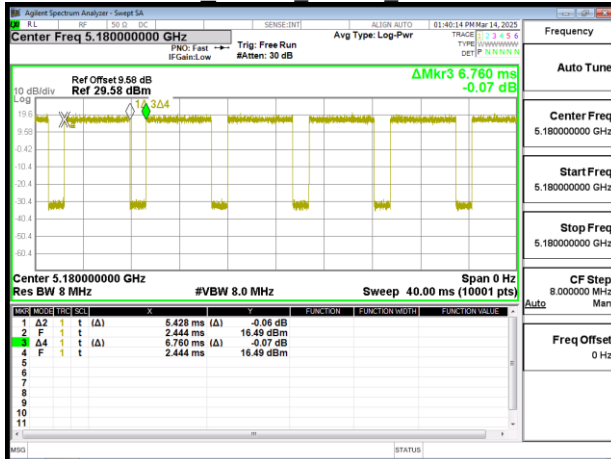
802.11a Chain0 5180MHz



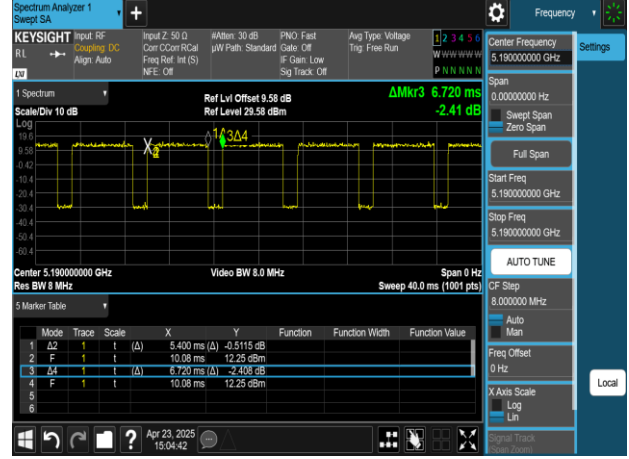
802.11ac 20MHz Chain0 5180MHz



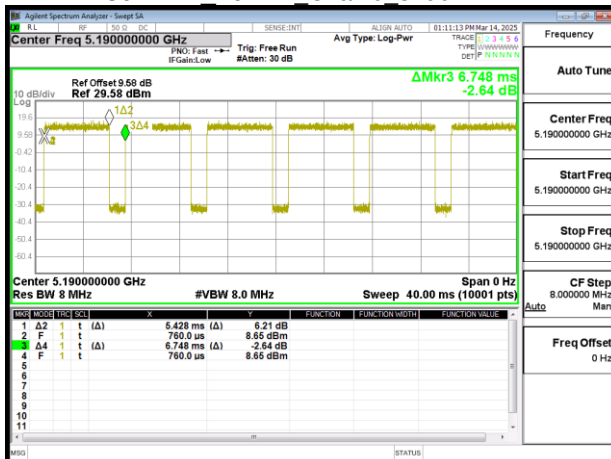
802.11n 20MHz Chain0 5180MHz



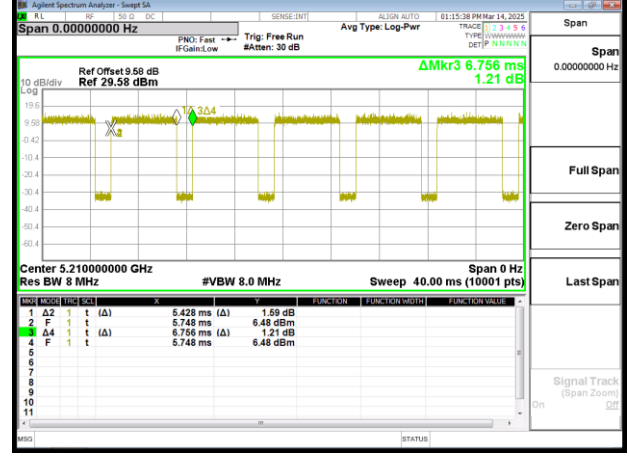
802.11ac 40MHz Chain0 5190MHz



802.11n 40MHz Chain0 5190MHz



802.11ac 80MHz Chain0 5210MHz

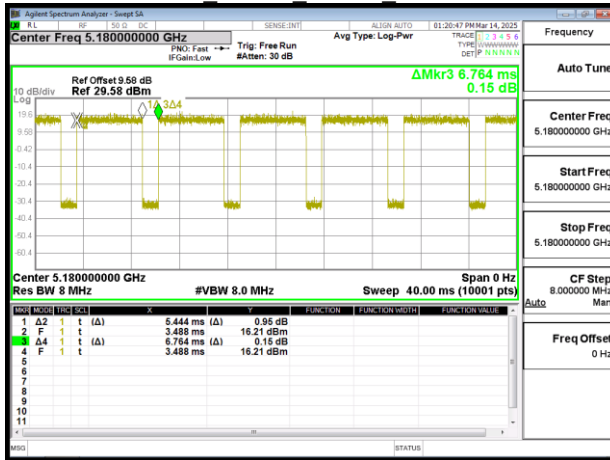




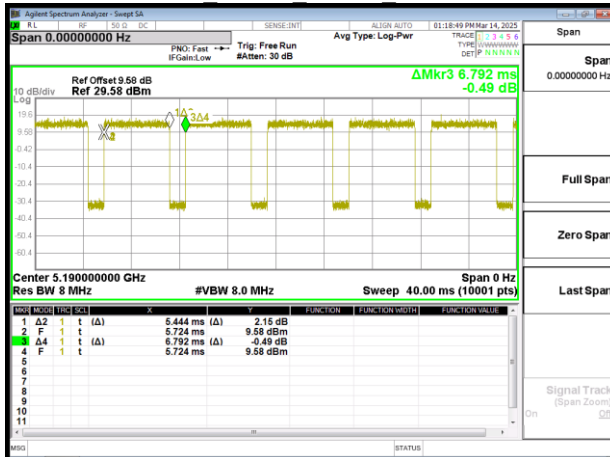
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802.11ax 20MHz Chain0 5180MHz



802.11ax 40MHz Chain0 5190MHz



802.11ax 80MHz Chain0 5210MHz





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4. TEST RESULT

4.1 OUTPUT POWER MEASUREMENT

4.1.1 Test Limit

According to §15.407 (a)(1) and 15.407(a)(3),

UNII-1 :

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

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. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

UNII-3:

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.

UNII-1 Limit	☐ Antenna not exceed 6 dBi : 30dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]
UNII-3 Limit	☐ Antenna not exceed 6 dBi : 30dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]



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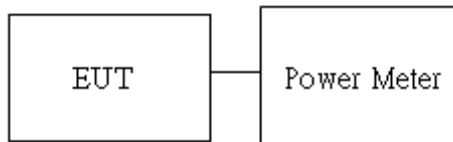
4.1.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz, 40MHz , E.2.d for BW 80MHz.

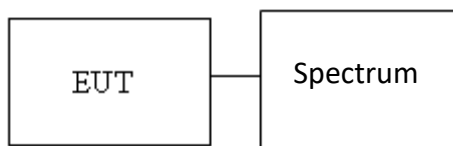
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

4.1.3 Test Setup

For BW 20MHz ,40MHz



For BW 80MHz





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4.1.4 Test Result

Temperature: 19.2 ~ 25.2°C Test date: March 14 ~ April 21, 2025
Humidity: 50 ~ 64% RH Tested by: David Li

FCC :

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	17	43.005	16.34	22.8	PASS
44	5220	6	16.5	45.448	16.58	22.8	PASS
48	5240	6	16.5	45.869	16.62	22.8	PASS
149	5745	6	24	176.814	22.48	22.8	PASS
157	5785	6	23.5	175.597	22.45	22.8	PASS
165	5825	6	23.5	173.587	22.40	22.8	PASS

802.11a_Ch1

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	17	41.449	16.18	22.8	PASS
44	5220	6	16.5	41.737	16.21	22.8	PASS
48	5240	6	16.5	43.005	16.34	22.8	PASS
149	5745	6	24	176.408	22.47	22.8	PASS
157	5785	6	23.5	174.790	22.43	22.8	PASS
165	5825	6	23.5	172.392	22.37	22.8	PASS

802.11n_HT20_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	14.5	13.72	13.40	45.458	16.58	22.8	PASS
44	5220	MCS0	14	13.92	13.41	46.619	16.69	22.8	PASS
48	5240	MCS0	13.5	13.51	13.22	43.457	16.38	22.8	PASS
149	5745	MCS0	18	16.39	17.18	95.854	19.82	22.8	PASS
157	5785	MCS0	18	16.84	16.96	98.029	19.91	22.8	PASS
165	5825	MCS0	18	16.59	17.26	98.879	19.95	22.8	PASS

Notes:

1. In accordance with KDB 662911 and ANSI C63.10, for power measurements on IEEE 802.11 devices, an array gain of 0 dB (i.e., no array gain) shall be assumed when the number of antennas (NANT) is less than or equal to 4.
2. The antenna gain is greater than 6 dB, therefore the power limit attenuation has been applied in the test results. $30 - (\text{antenna gain} - 6) = 22.8$



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802.11ac_VHT20_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	14.5	13.69	13.38	45.116	16.54	22.8	PASS
44	5220	MCS0	14	13.87	13.36	46.005	16.63	22.8	PASS
48	5240	MCS0	13.5	13.47	13.19	43.031	16.34	22.8	PASS
149	5745	MCS0	18	16.34	17.16	94.949	19.77	22.8	PASS
157	5785	MCS0	18	16.82	16.93	97.296	19.88	22.8	PASS
165	5825	MCS0	18	16.58	17.22	98.115	19.92	22.8	PASS

802.11n_HT40_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	13.5	13.68	13.29	44.617	16.49	22.8	PASS
46	5230	MCS0	13	13.63	13.10	43.438	16.38	22.8	PASS
151	5755	MCS0	17	16.43	16.99	93.856	19.72	22.8	PASS
159	5795	MCS0	17	16.64	16.80	93.893	19.73	22.8	PASS

802.11ac_VHT40_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	13.5	13.64	13.25	44.207	16.45	22.8	PASS
46	5230	MCS0	13	13.59	13.06	43.039	16.34	22.8	PASS
151	5755	MCS0	17	16.41	16.95	93.196	19.69	22.8	PASS
159	5795	MCS0	17	16.60	16.77	93.141	19.69	22.8	PASS

802.11ac_VHT80_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Measurement (dBm)		Avg. POWER (with duty factor) (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch0	Ch1				
42	5210	MCS0	13.5	12.72	12.4	13.67	13.35	44.915	16.52	22.8	PASS
155	5775	MCS0	19.5	18.79	18.52	19.74	19.47	182.729	22.62	22.8	PASS

Notes:

1. In accordance with KDB 662911 and ANSI C63.10, for power measurements on IEEE 802.11 devices, an array gain of 0 dB (i.e., no array gain) shall be assumed when the number of antennas (NANT) is less than or equal to 4.
2. The antenna gain is greater than 6 dB, therefore the power limit attenuation has been applied in the test results. $30 - (\text{antenna gain} - 6) = 22.8$



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802.11ax_HE20_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	14.5	13.57	13.23	43.820	16.42	22.8	PASS
44	5220	MCS0	full	14	13.74	13.23	44.729	16.51	22.8	PASS
48	5240	MCS0	full	14	13.69	13.38	45.198	16.55	22.8	PASS
149	5745	MCS0	full	18	16.25	16.96	91.895	19.63	22.8	PASS
157	5785	MCS0	full	18	16.59	16.62	91.589	19.62	22.8	PASS
165	5825	MCS0	full	18	16.39	17.01	93.853	19.72	22.8	PASS

802.11ax_HE40_2TX

CH	Frequency (MHz)	Data Rate	RU config.	Power Setting	Avg. POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	14	13.74	13.41	45.597	16.59	22.8	PASS
46	5230	MCS0	full	13.5	13.73	13.27	44.847	16.52	22.8	PASS
151	5755	MCS0	full	17.5	16.54	17.02	95.453	19.80	22.8	PASS
159	5795	MCS0	full	17.5	16.74	16.91	96.318	19.84	22.8	PASS

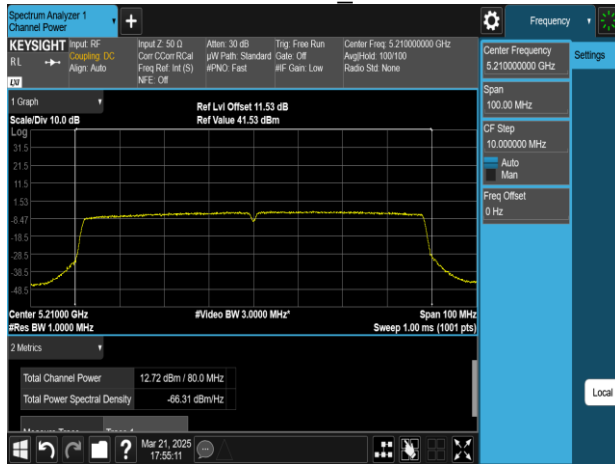
802.11ax_HE80_2TX

CH	Frequency (MHz)	Data Rate	Power Setting	Measurement (dBm)		Avg. POWER (with duty factor) (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch0	Ch1				
42	5210	MCS0	13.5	12.55	12.3	13.50	13.25	43.529	16.39	22.8	PASS
155	5775	MCS0	19.5	18.76	18.42	19.71	19.37	180.066	22.55	22.8	PASS

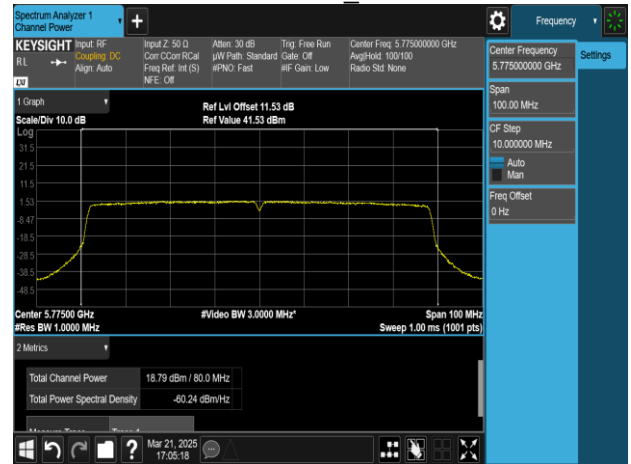
Notes:

1. In accordance with KDB 662911 and ANSI C63.10, for power measurements on IEEE 802.11 devices, an array gain of 0 dB (i.e., no array gain) shall be assumed when the number of antennas (NANT) is less than or equal to 4.
2. The antenna gain is greater than 6 dB, therefore the power limit attenuation has been applied in the test results. $30 - (\text{antenna gain} - 6) = 22.8$

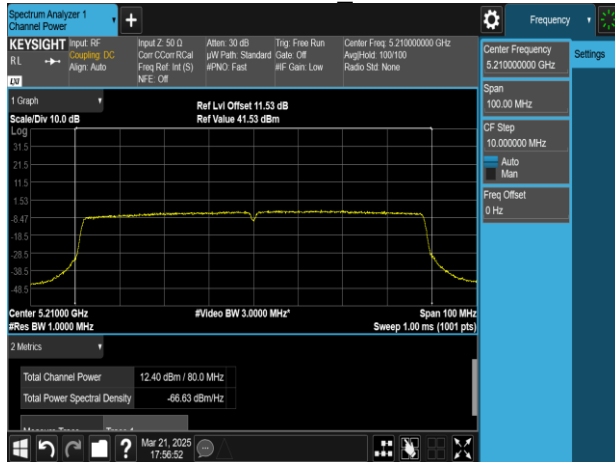
AC80-5210_CH0



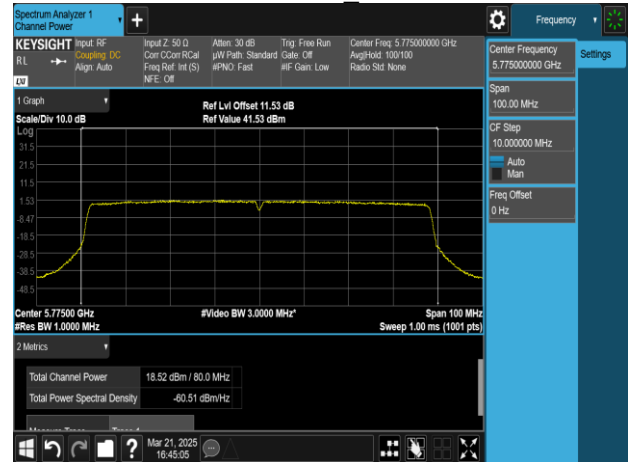
AC80-5775_CH0



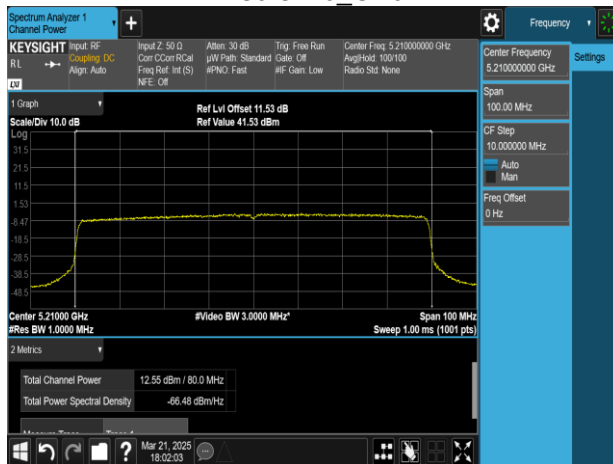
AC80-5210_CH1



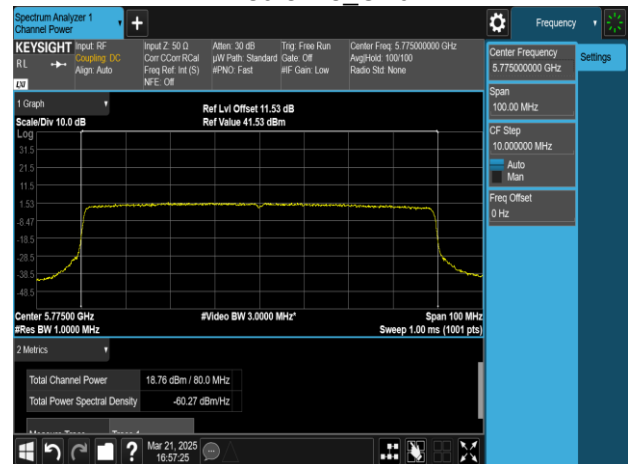
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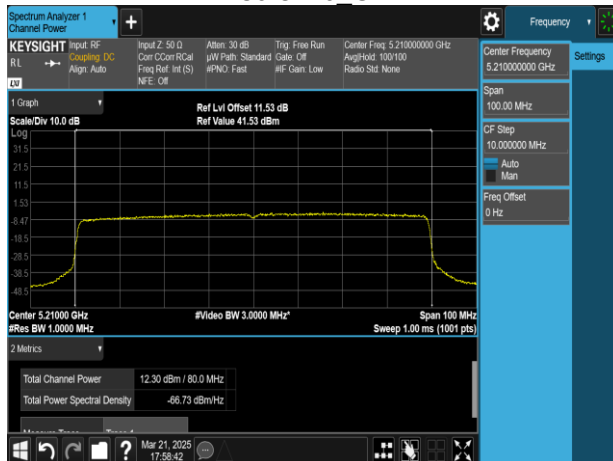
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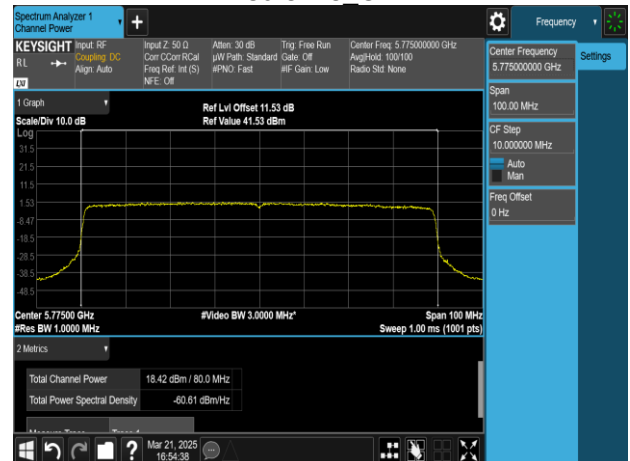
AX80-5775_CH0



AX80-5210_CH1



AX80-5775_CH1





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ELEVATION ABOVE 30°:

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
36	5180	16.34	-1.96	14.38	21.00	PASS
44	5220	16.58	-1.96	14.62	21.00	PASS
48	5240	16.62	-1.96	14.66	21.00	PASS

802.11a_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
36	5180	16.18	-1.96	14.22	21.00	PASS
44	5220	16.21	-1.96	14.25	21.00	PASS
48	5240	16.34	-1.96	14.38	21.00	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
36	5180	16.58	1.05	17.63	21.00	PASS
44	5220	16.69	1.05	17.74	21.00	PASS
48	5240	16.38	1.05	17.43	21.00	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
36	5180	16.54	1.05	17.59	21.00	PASS
44	5220	16.63	1.05	17.68	21.00	PASS
48	5240	16.34	1.05	17.39	21.00	PASS



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802.11n_HT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
38	5190	16.49	1.05	17.54	21.00	PASS
46	5230	16.38	1.05	17.43	21.00	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
38	5190	16.45	1.05	17.50	21.00	PASS
46	5230	16.34	1.05	17.39	21.00	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
42	5210	16.52	1.05	17.57	21.00	PASS

802.11ax_20_MIMO

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	EIRP LIMIT (dBm)	RESULT
36	5180	full	16.42	1.05	17.47	21.00	PASS
44	5220	full	16.51	1.05	17.56	21.00	PASS
48	5240	full	16.55	1.05	17.60	21.00	PASS

802.11ax_40_MIMO

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	full	16.59	1.05	17.64	21.00	PASS
46	5230	full	16.52	1.05	17.57	21.00	PASS

802.11ax_80_MIMO

CH	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	ELEVATION ABOVE 30° MAX GAIN (dBi)	ELEVATION ABOVE 30° MAX EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	full	16.39	1.05	17.44	21.00	PASS



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4.2 RADIATION Bandedge and Spurious Emission

4.2.1 Test Limit

FCC according to §15.407, §15.209 and §15.205,

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

UNII-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.

UNII-3:

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



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4.2.2 Test Procedure

Test method Refer as KDB 789033 D02.

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 40GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-ane choic chamber, the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

5. The SA setting following :

(1) Below 30MHz :

(1.1) 9KHz-490KHz : RBW=200Hz / VBW=1kHz / Sweep=AUTO

(1.2) 490KHz-30MHz : RBW=10kHz / VBW=30kHz / Sweep=AUTO

(2) 30MHz to 1GHz : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto,
Detector = Peak, Trace = Max hold.

(3) Above 1GHz :

(3.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto,
Detector = Peak, Trace = Max hold.

(3.2) For Average measurement : RBW = 1MHz, VBW

·If Duty Cycle $\geq 98\%$, VBW=10Hz.

·If Duty Cycle $< 98\%$, VBW=1/T.

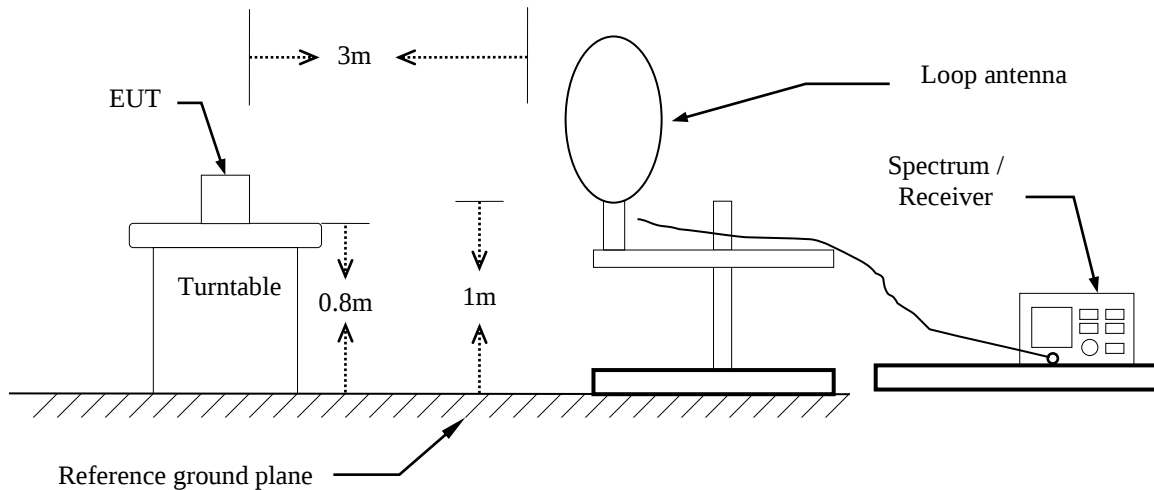
6. Data result :

Actual FS=Spectrum Reading Level + Factor

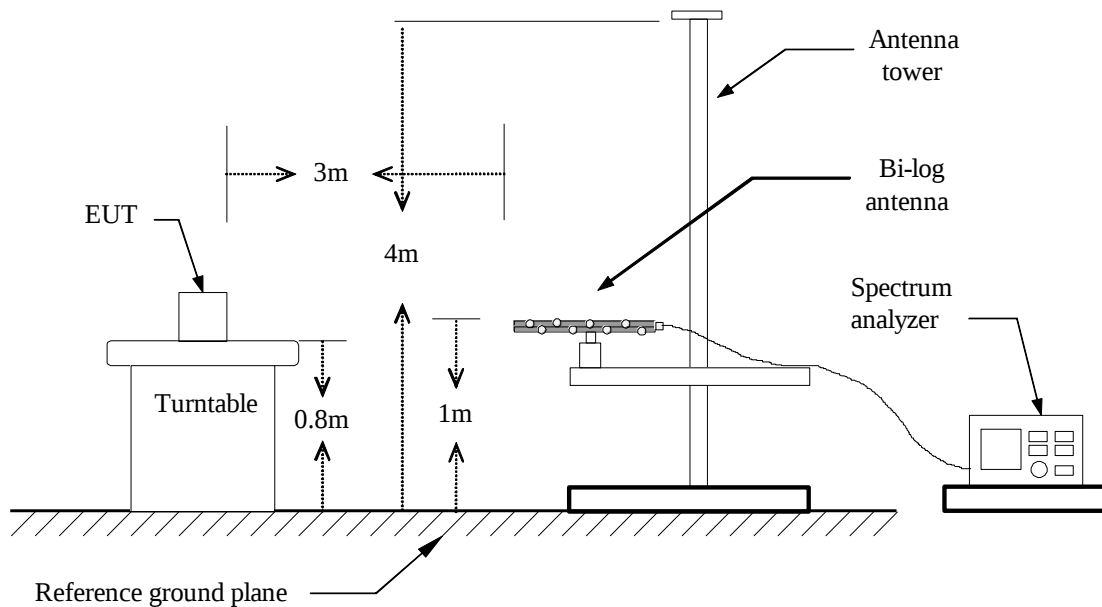
Margin=Actual FS- Limit

4.2.3 Test Setup

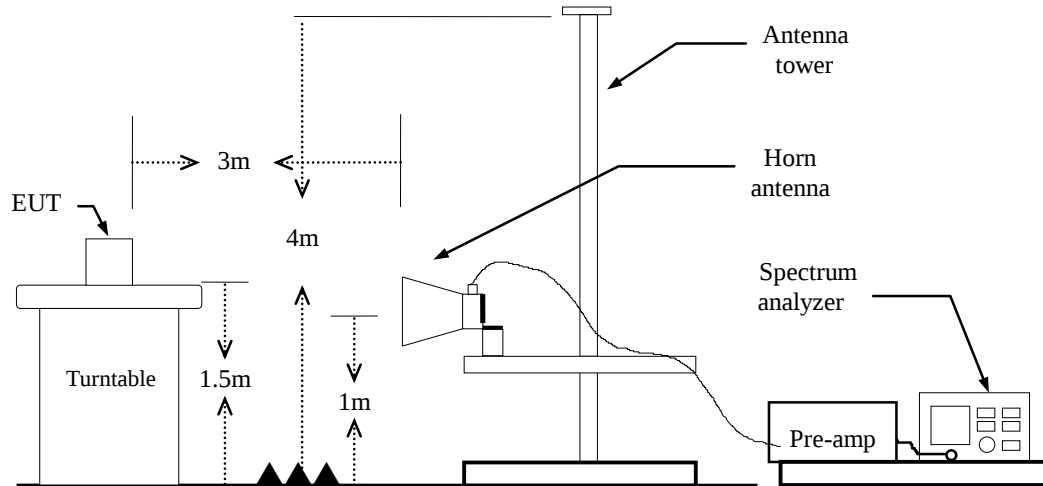
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz





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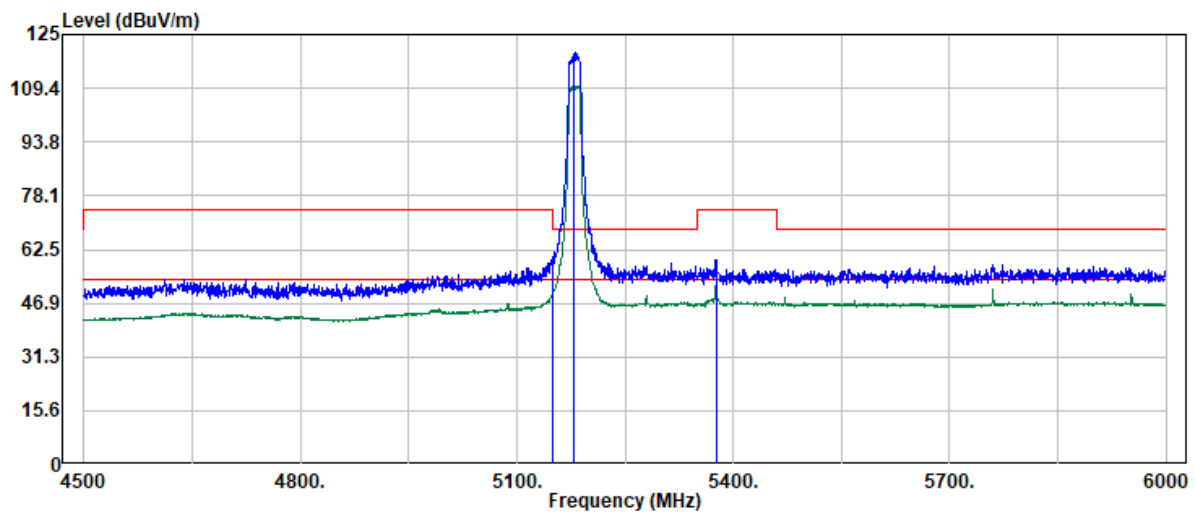
4.2.4 Test Result

Test Data

Band Edge

Project No : TM-2503000067P
Operation Band : 802.11a_Band1_CH0
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : Vertical
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5149.78	46.07	13.63	59.70	74.00	-14.30	Peak
5149.78	35.74	13.63	49.37	54.00	-4.63	Average
5180.00	105.84	13.78	119.62	--	--	Peak
5180.00	96.25	13.78	110.03	--	--	Average
5376.21	45.63	14.02	59.65	74.00	-14.35	Peak
5376.21	38.79	14.02	52.81	54.00	-1.19	Average

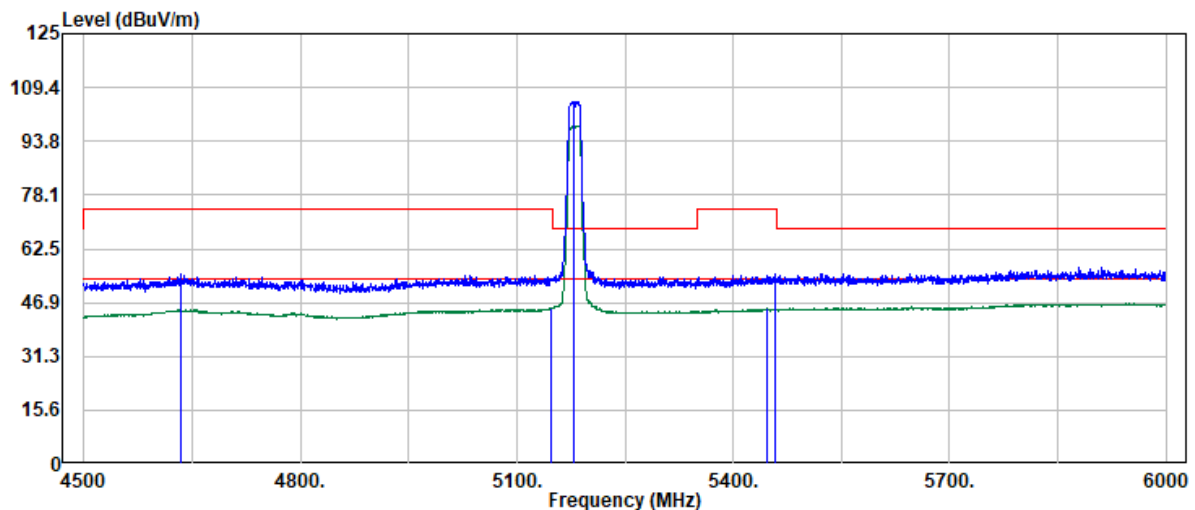


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Project No : TM-2503000067P
Operation Band : 802.11a_Band1_CH0
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



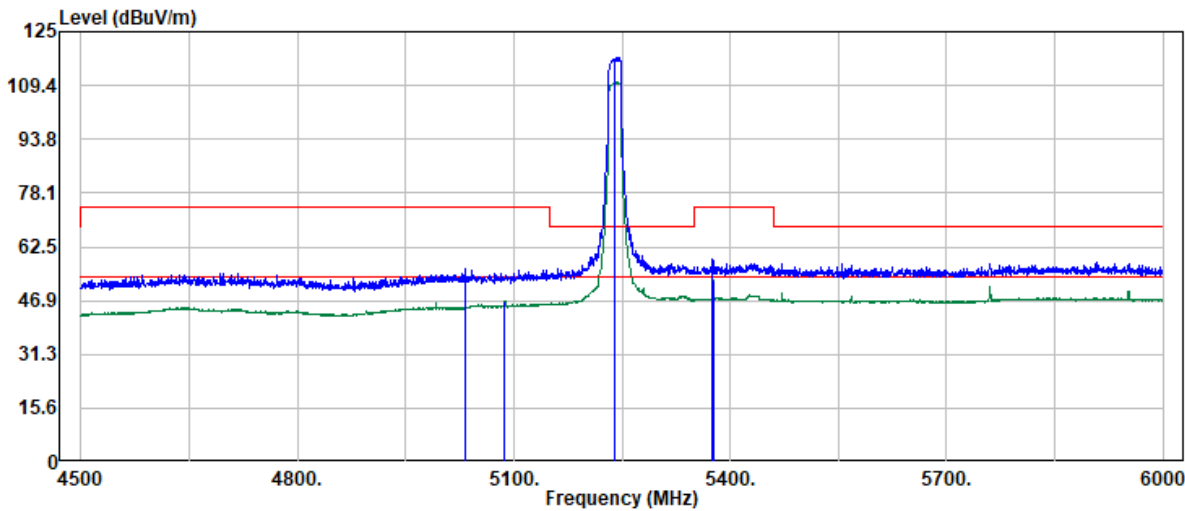
Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4633.96	42.42	12.60	55.02	74.00	-18.98	Peak
5148.28	31.62	13.63	45.25	54.00	-8.75	Average
5180.00	91.54	13.78	105.32	--	--	Peak
5180.00	84.52	13.78	98.30	--	--	Average
5447.18	30.82	14.32	45.14	54.00	-8.86	Average
5457.18	40.68	14.34	55.02	74.00	-18.98	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_CH0	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 16.5		



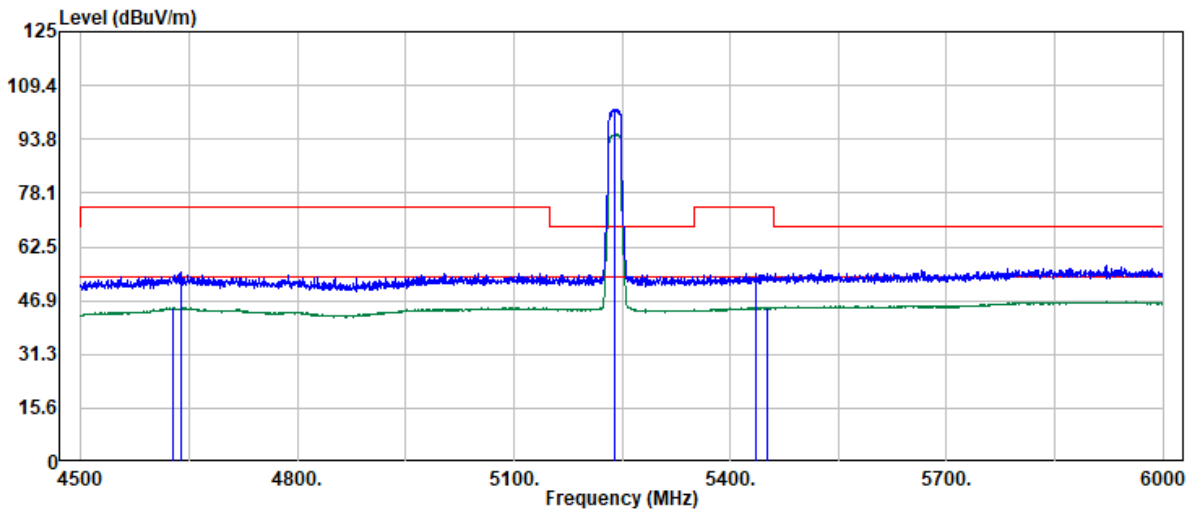
Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5033.32	42.66	13.37	56.03	74.00	-17.97	Peak
5087.80	33.09	13.53	46.62	54.00	-7.38	Average
5240.00	103.70	13.76	117.46	--	--	Peak
5240.00	96.64	13.76	110.40	--	--	Average
5375.71	45.05	14.02	59.07	74.00	-14.93	Peak
5376.21	38.99	14.02	53.01	54.00	-0.99	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_CH0	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 16.5		



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4628.46	32.29	12.62	44.91	54.00	-9.09	Average
4639.95	42.44	12.60	55.04	74.00	-18.96	Peak
5240.00	88.59	13.76	102.35	--	--	Peak
5240.00	81.31	13.76	95.07	--	--	Average
5435.69	40.53	14.25	54.78	74.00	-19.22	Peak
5451.18	30.55	14.34	44.89	54.00	-9.11	Average

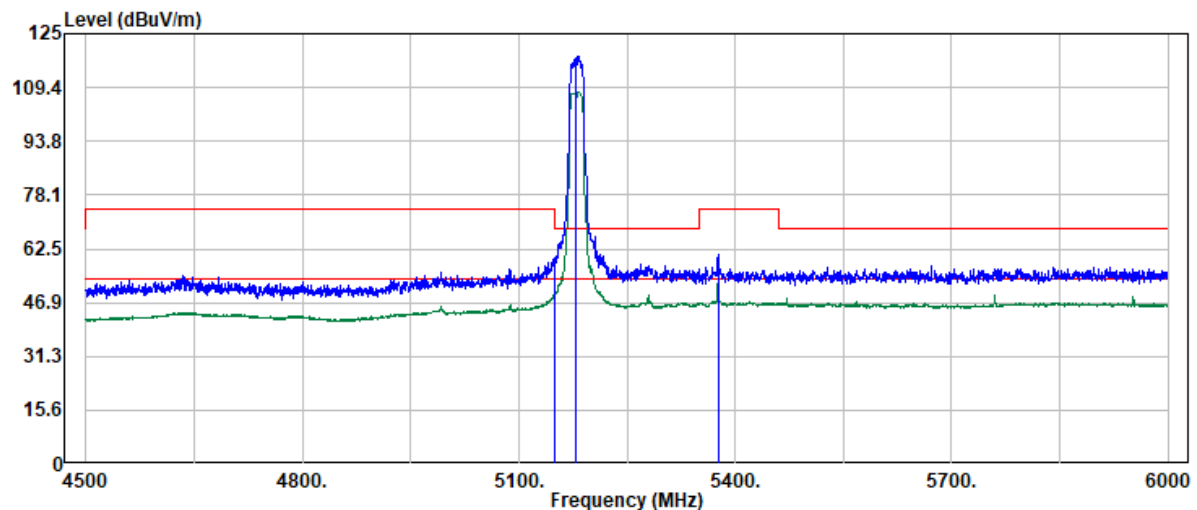


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Project No : TM-2503000067P
Operation Band : 802.11n20_Band1
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 14.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5149.78	46.40	13.63	60.03	74.00	-13.97	Peak
5149.78	35.88	13.63	49.51	54.00	-4.49	Average
5180.00	104.68	13.78	118.46	--	--	Peak
5180.00	94.42	13.78	108.20	--	--	Average
5376.21	46.69	14.02	60.71	74.00	-13.29	Peak
5376.21	38.69	14.02	52.71	54.00	-1.29	Average

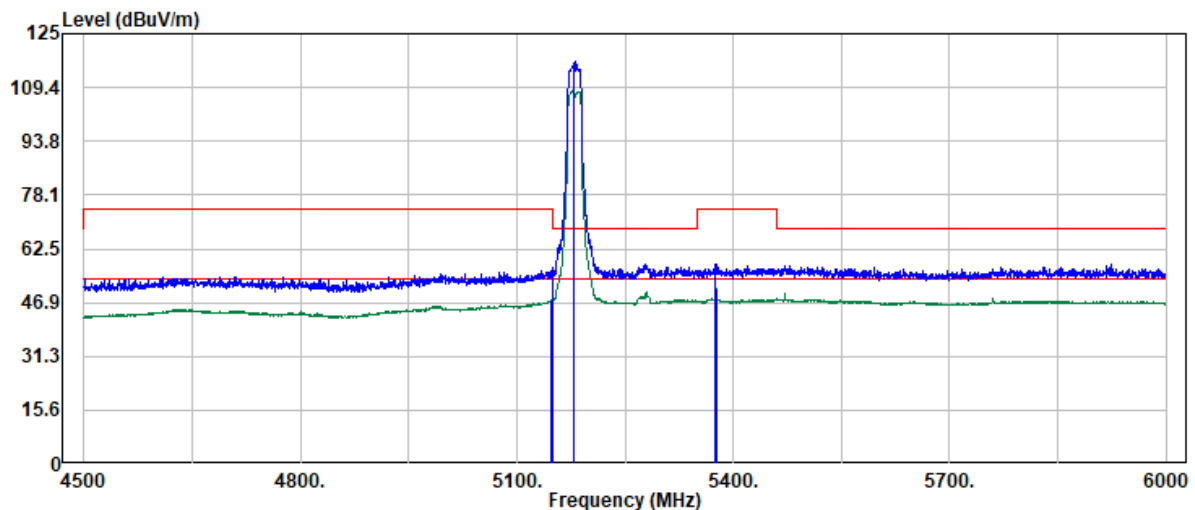


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Project No : TM-2503000067P
Operation Band : 802.11n20_Band1
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 14.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5147.78	34.16	13.63	47.79	54.00	-6.21	Average
5148.78	42.43	13.63	56.06	74.00	-17.94	Peak
5180.00	103.05	13.78	116.83	--	--	Peak
5180.00	94.67	13.78	108.45	--	--	Average
5375.71	43.89	14.02	57.91	74.00	-16.09	Peak
5376.21	36.97	14.02	50.99	54.00	-3.01	Average

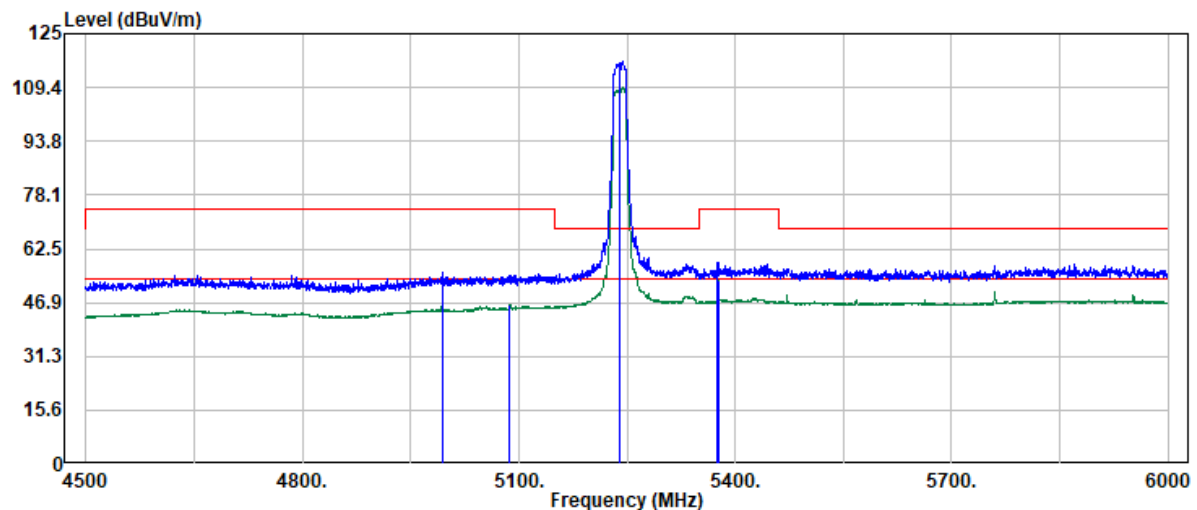


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Project No : TM-2503000067P
Operation Band : 802.11n20_Band1
Frequency : 5240 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level		FS	@3m		Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4994.84	42.19	13.31	55.50	74.00	-18.50	Peak
5087.80	32.76	13.53	46.29	54.00	-7.71	Average
5240.00	103.41	13.76	117.17	--	--	Peak
5240.00	95.46	13.76	109.22	--	--	Average
5375.71	44.41	14.02	58.43	74.00	-15.57	Peak
5376.21	39.27	14.02	53.29	54.00	-0.71	Average

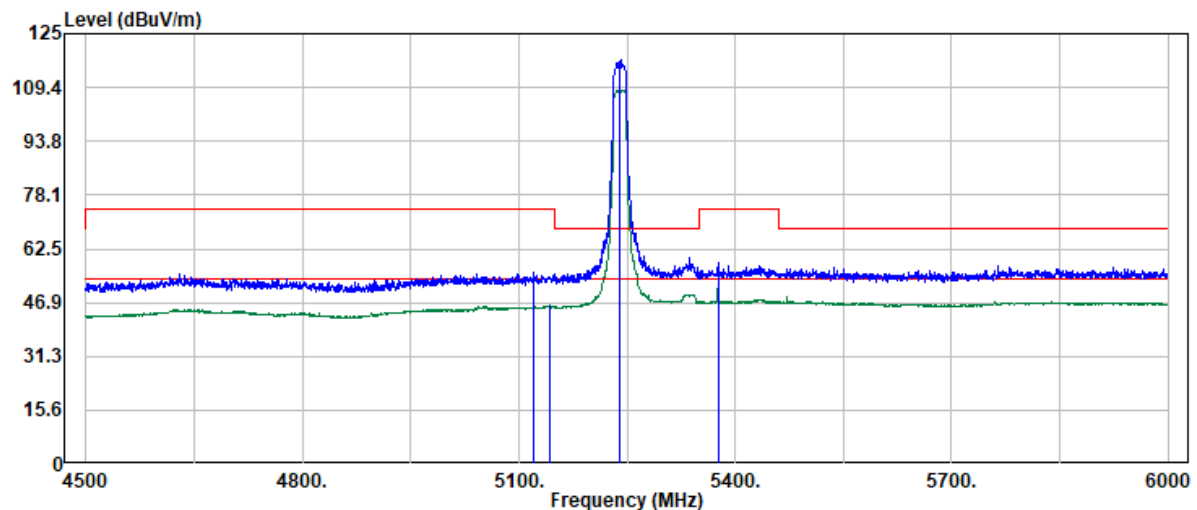


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Project No : TM-2503000067P
Operation Band : 802.11n20_Band1
Frequency : 5240 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5121.29	42.23	13.60	55.83	74.00	-18.17	Peak
5143.79	32.37	13.63	46.00	54.00	-8.00	Average
5240.00	103.60	13.76	117.36	--	--	Peak
5240.00	94.95	13.76	108.71	--	--	Average
5376.21	44.44	14.02	58.46	74.00	-15.54	Peak
5376.21	36.83	14.02	50.85	54.00	-3.15	Average

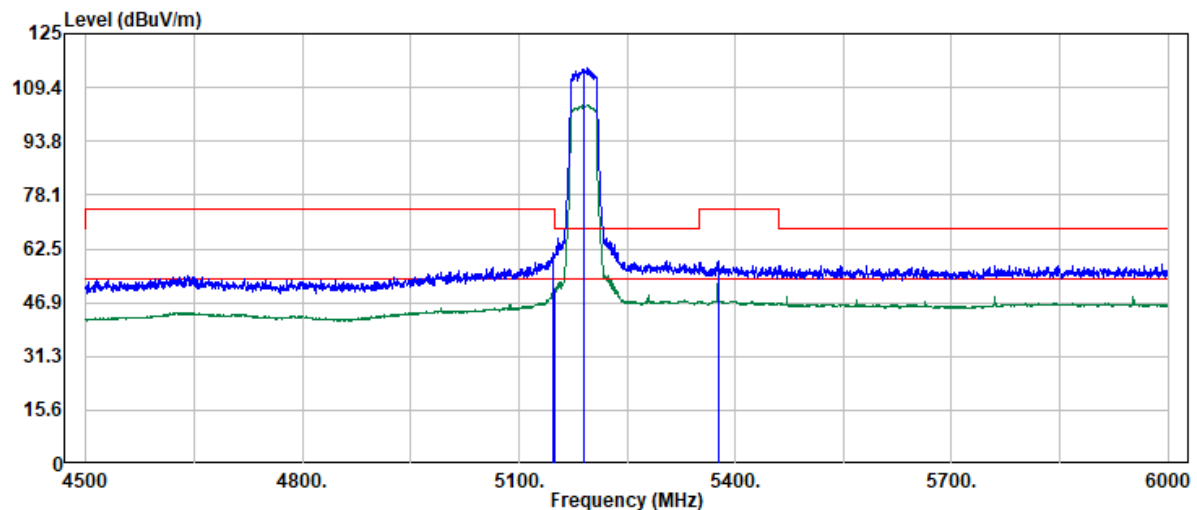


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Project No : TM-2503000067P
Operation Band : 802.11n40_Band1
Frequency : 5190 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5147.78	47.64	13.63	61.27	74.00	-12.73	Peak
5149.28	37.28	13.63	50.91	54.00	-3.09	Average
5190.00	101.04	13.82	114.86	--	--	Peak
5190.00	90.50	13.82	104.32	--	--	Average
5376.21	44.89	14.02	58.91	74.00	-15.09	Peak
5376.21	38.48	14.02	52.50	54.00	-1.50	Average

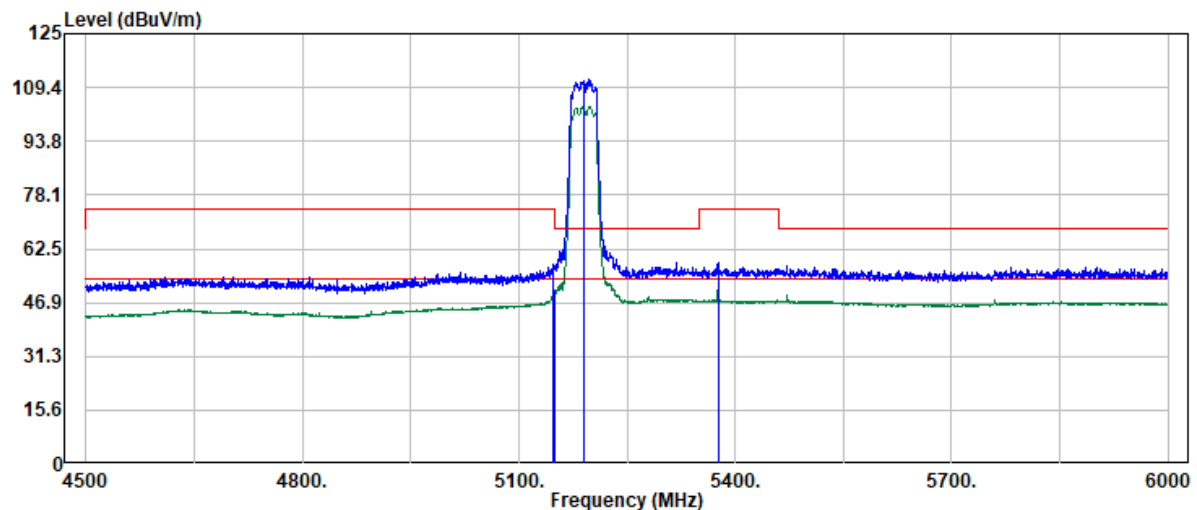


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Project No : TM-2503000067P
Operation Band : 802.11n40_Band1
Frequency : 5190 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5147.78	44.57	13.63	58.20	74.00	-15.80	Peak
5149.78	36.63	13.63	50.26	54.00	-3.74	Average
5190.00	97.77	13.82	111.59	--	--	Peak
5190.00	89.97	13.82	103.79	--	--	Average
5376.21	44.27	14.02	58.29	74.00	-15.71	Peak
5376.21	36.89	14.02	50.91	54.00	-3.09	Average

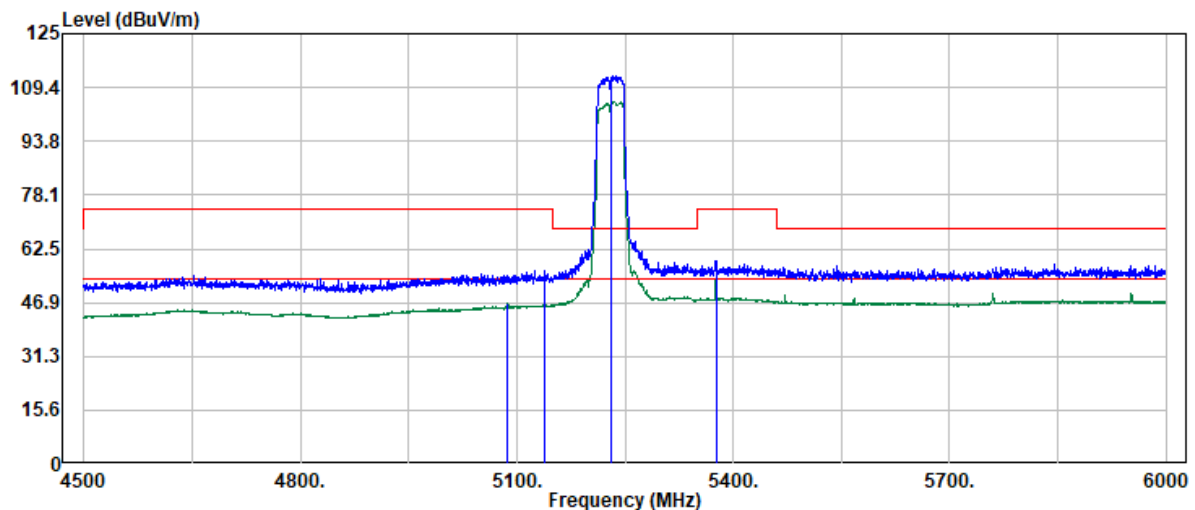


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Project No : TM-2503000067P
Operation Band : 802.11n40_Band1
Frequency : 5230 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level		FS	@3m		Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5087.80	33.21	13.53	46.74	54.00	-7.26	Average
5138.79	42.60	13.62	56.22	74.00	-17.78	Peak
5230.00	99.16	13.79	112.95	--	--	Peak
5230.00	91.45	13.79	105.24	--	--	Average
5376.21	45.06	14.02	59.08	74.00	-14.92	Peak
5376.21	39.21	14.02	53.23	54.00	-0.77	Average

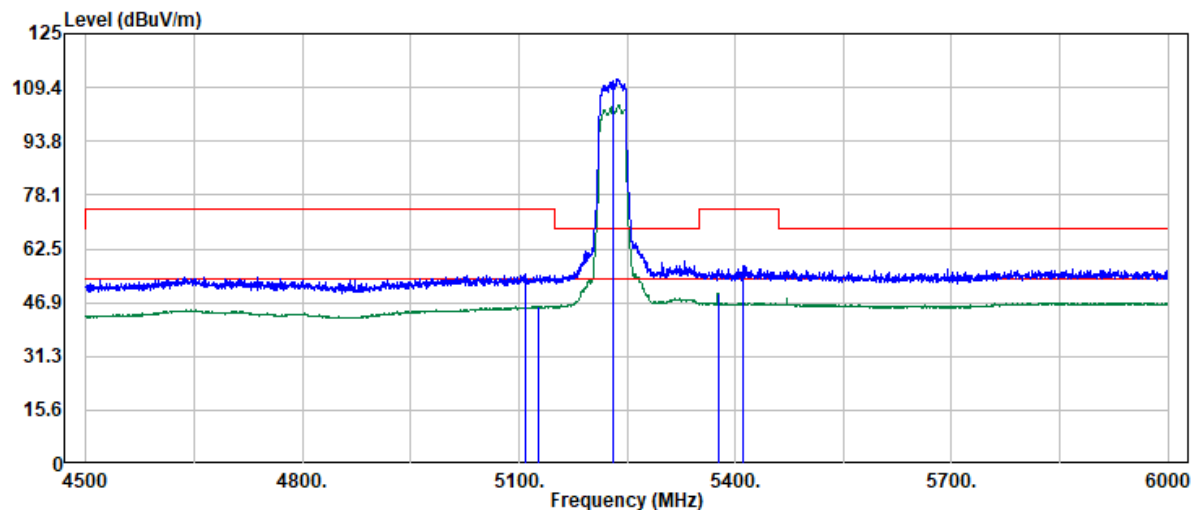


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Project No : TM-2503000067P
Operation Band : 802.11n40_Band1
Frequency : 5230 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5108.30	41.57	13.60	55.17	74.00	-18.83	Peak
5128.29	32.19	13.62	45.81	54.00	-8.19	Average
5230.00	98.13	13.79	111.92	--	--	Peak
5230.00	90.29	13.79	104.08	--	--	Average
5376.21	35.62	14.02	49.64	54.00	-4.36	Average
5410.20	43.51	14.11	57.62	74.00	-16.38	Peak

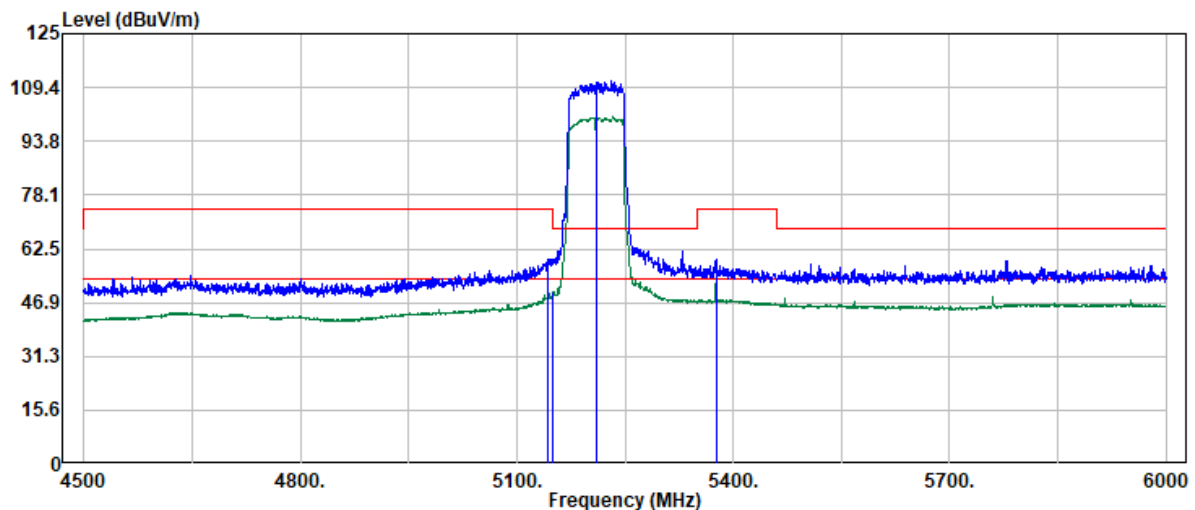


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Project No : TM-2503000067P
Operation Band : 802.11ac80_Band1
Frequency : 5210 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level	-----	FS	@3m	-----	Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5143.79	45.95	13.63	59.58	74.00	-14.42	Peak
5149.78	36.28	13.63	49.91	54.00	-4.09	Average
5210.00	97.34	13.84	111.18	--	--	Peak
5210.00	86.92	13.84	100.76	--	--	Average
5376.21	45.62	14.02	59.64	74.00	-14.36	Peak
5376.21	38.60	14.02	52.62	54.00	-1.38	Average

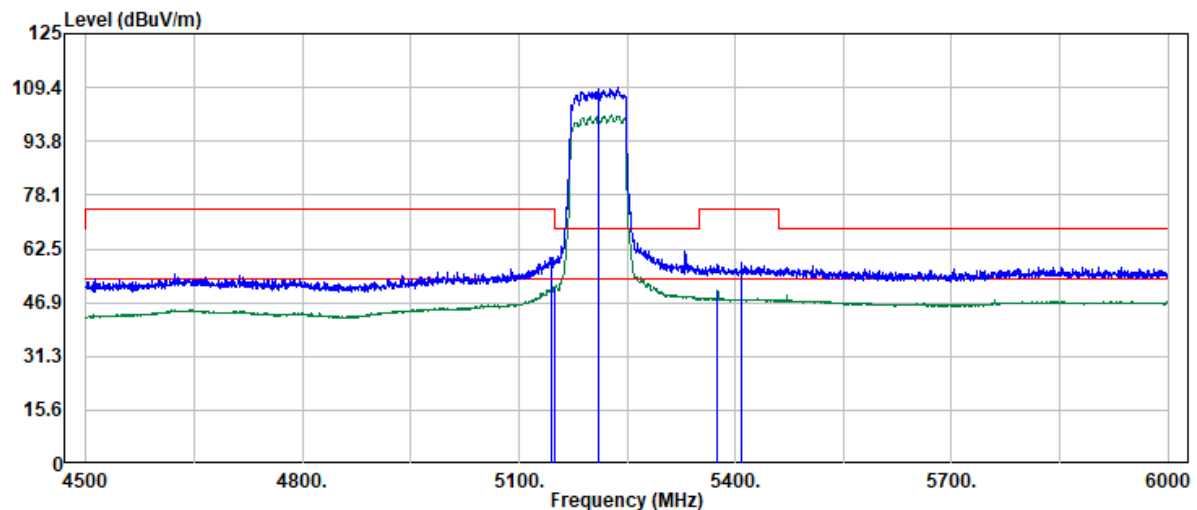


Project No: TM-2503000067P
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Project No : TM-2503000067P
Operation Band : 802.11ac80_Band1
Frequency : 5210 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



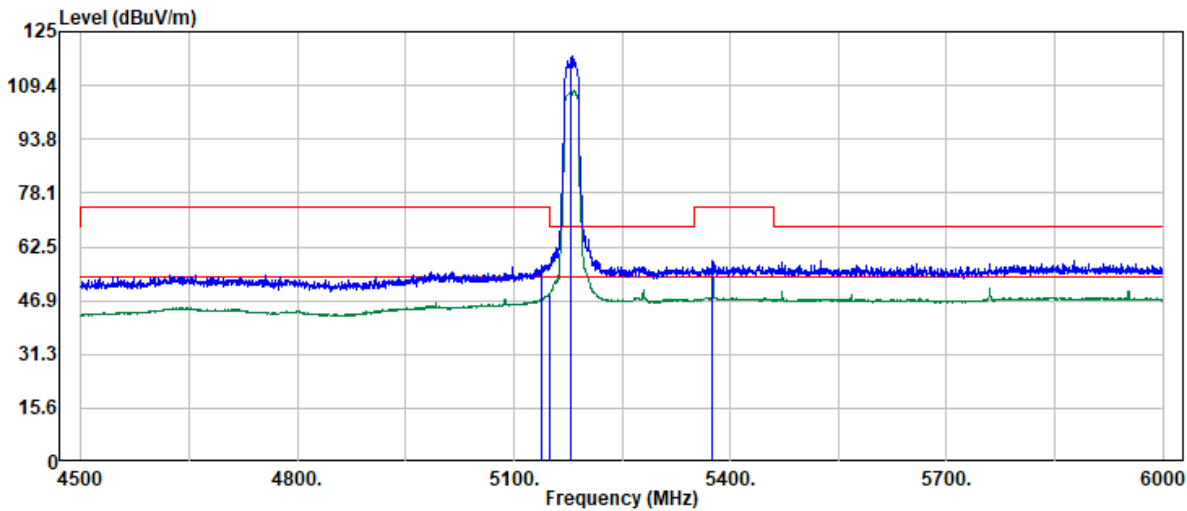
Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5145.29	46.25	13.63	59.88	74.00	-14.12	Peak
5148.78	37.93	13.63	51.56	54.00	-2.44	Average
5210.00	95.38	13.84	109.22	--	--	Peak
5210.00	87.41	13.84	101.25	--	--	Average
5375.71	36.26	14.02	50.28	54.00	-3.72	Average
5409.20	44.18	14.11	58.29	74.00	-15.71	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14.5		



Trace: 1						
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5139.29	43.61	13.62	57.23	74.00	-16.77	Peak
5149.78	35.19	13.63	48.82	54.00	-5.18	Average
5180.00	104.31	13.78	118.09	--	--	Peak
5180.00	94.04	13.78	107.82	--	--	Average
5375.71	44.60	14.02	58.62	74.00	-15.38	Peak
5375.71	39.39	14.02	53.41	54.00	-0.59	Average

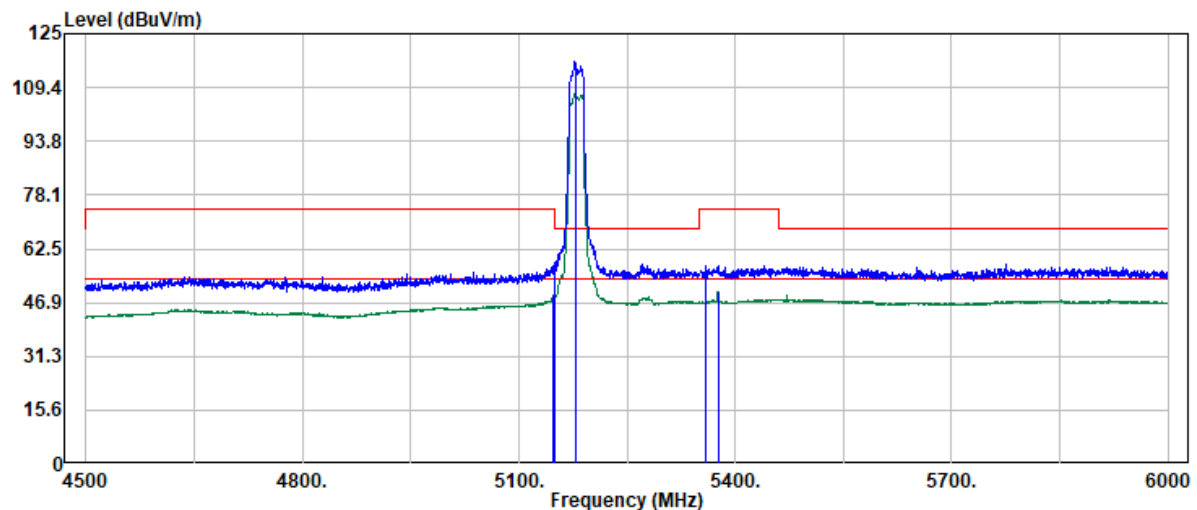


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Project No : TM-2503000067P
Operation Band : 802.11ax20_Band1
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 14.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



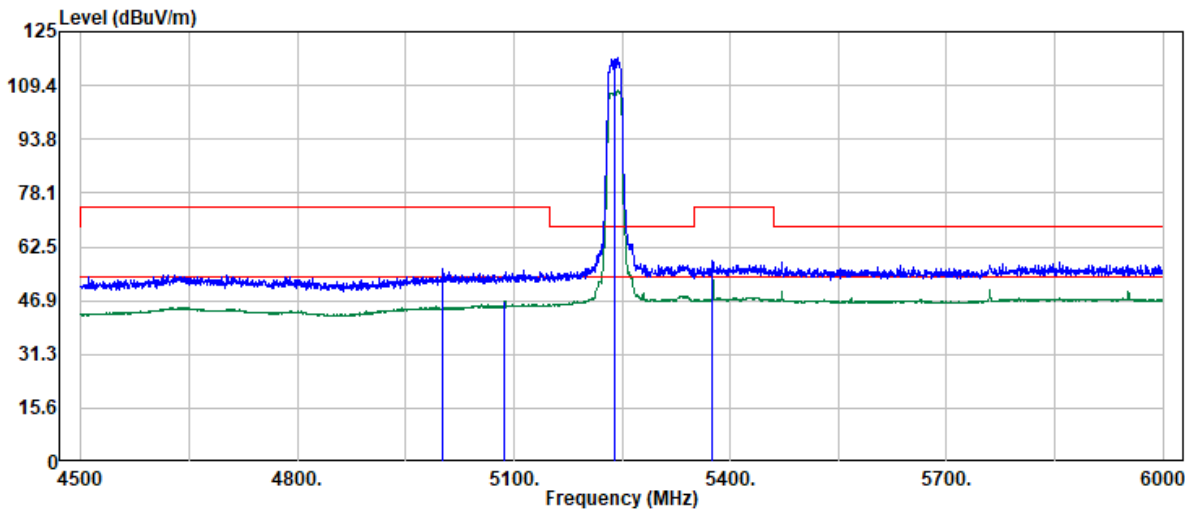
Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level		FS	@3m		Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5148.28	35.24	13.63	48.87	54.00	-5.13	Average
5148.78	44.94	13.63	58.57	74.00	-15.43	Peak
5180.00	103.17	13.78	116.95	--	--	Peak
5180.00	93.86	13.78	107.64	--	--	Average
5359.71	43.50	14.01	57.51	74.00	-16.49	Peak
5376.21	35.92	14.02	49.94	54.00	-4.06	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5002.33	42.66	13.33	55.99	74.00	-18.01	Peak
5087.80	33.27	13.53	46.80	54.00	-7.20	Average
5240.00	103.92	13.76	117.68	--	--	Peak
5240.00	94.18	13.76	107.94	--	--	Average
5375.71	44.39	14.02	58.41	74.00	-15.59	Peak
5375.71	39.22	14.02	53.24	54.00	-0.76	Average

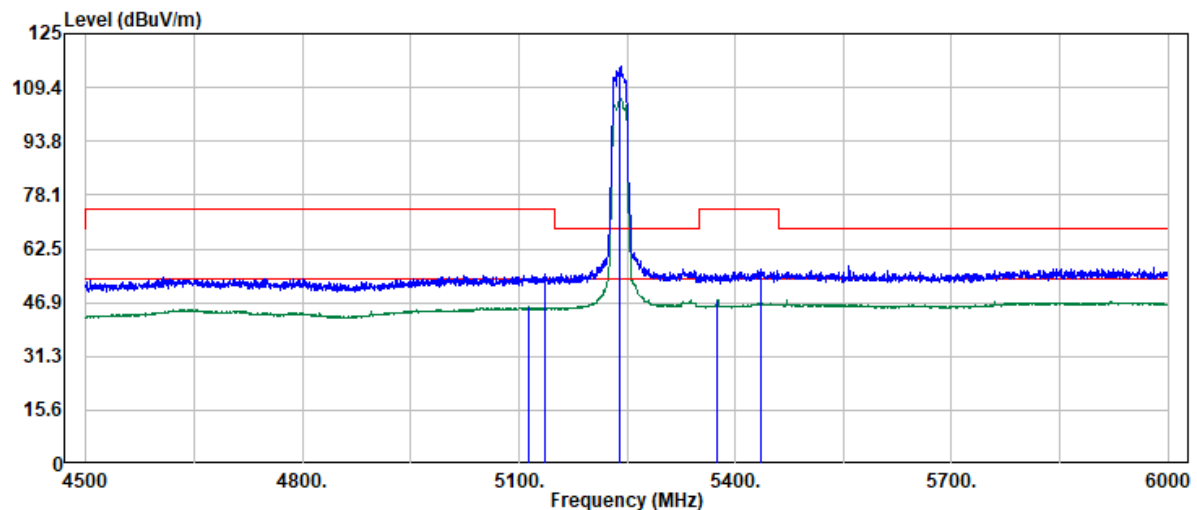


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11ax20_Band1
Frequency : 5240 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 14

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5113.80	31.93	13.60	45.53	54.00	-8.47	Average
5136.29	41.72	13.63	55.35	74.00	-18.65	Peak
5240.00	101.76	13.76	115.52	--	--	Peak
5240.00	92.38	13.76	106.14	--	--	Average
5375.71	33.76	14.02	47.78	54.00	-6.22	Average
5435.69	42.23	14.25	56.48	74.00	-17.52	Peak

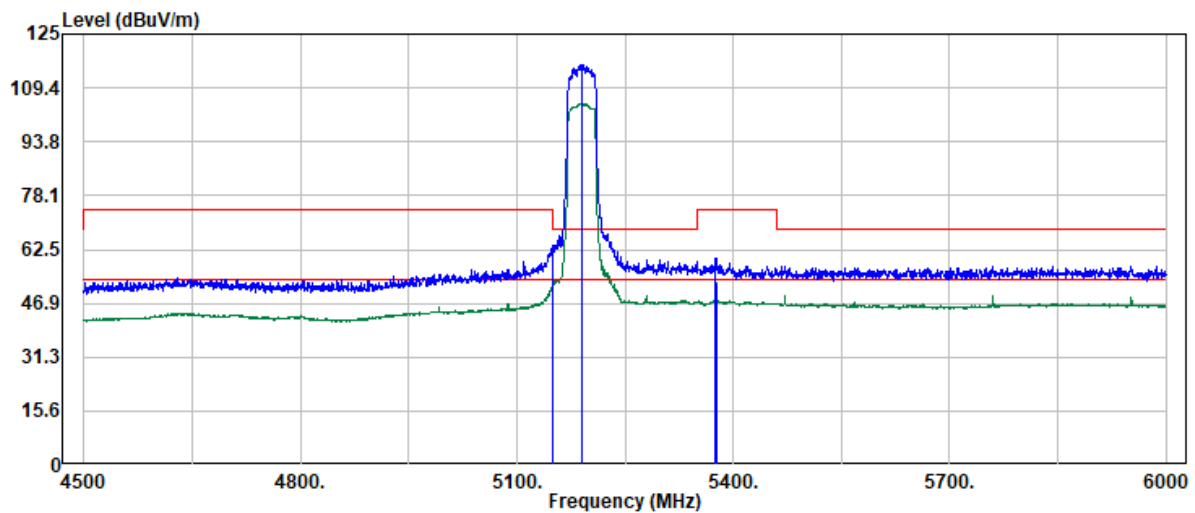


Project No: TM-2503000067P
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Project No : TM-2503000067P
Operation Band : 802.11ax40_Band1
Frequency : 5190 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 14

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5148.78	49.72	13.63	63.35	74.00	-10.65	Peak
5149.28	38.24	13.63	51.87	54.00	-2.13	Average
5190.00	102.32	13.82	116.14	--	--	Peak
5190.00	91.03	13.82	104.85	--	--	Average
5375.71	46.05	14.02	60.07	74.00	-13.93	Peak
5376.21	38.94	14.02	52.96	54.00	-1.04	Average

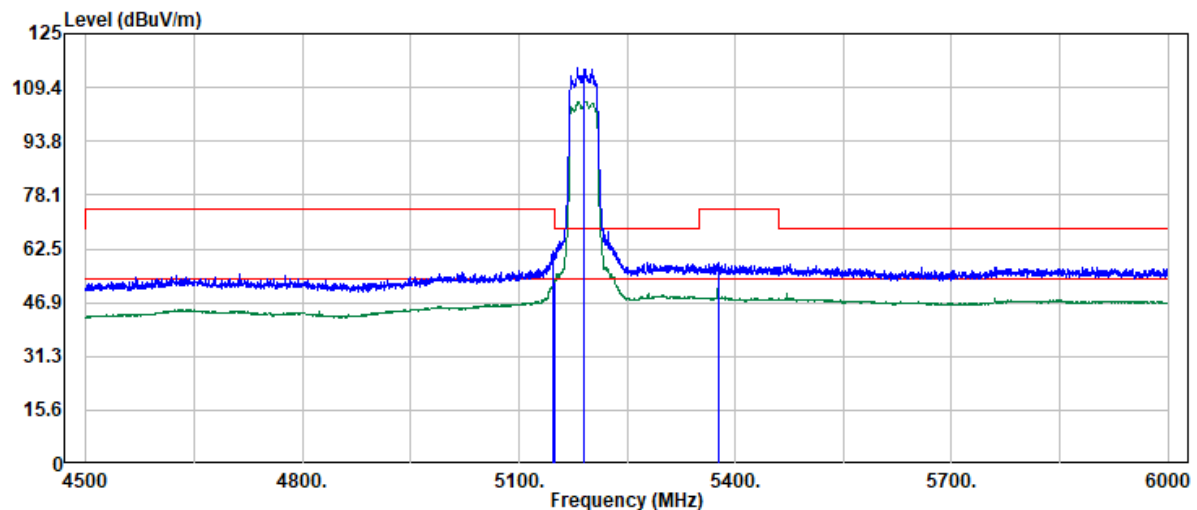


Project No: TM-2503000067P
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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11ax40_Band1
Frequency : 5190 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 14

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level		FS	@3m		Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5148.28	48.17	13.63	61.80	74.00	-12.20	Peak
5149.78	39.41	13.63	53.04	54.00	-0.96	Average
5190.00	101.07	13.82	114.89	--	--	Peak
5190.00	91.55	13.82	105.37	--	--	Average
5376.21	44.49	14.02	58.51	74.00	-15.49	Peak
5376.21	37.20	14.02	51.22	54.00	-2.78	Average

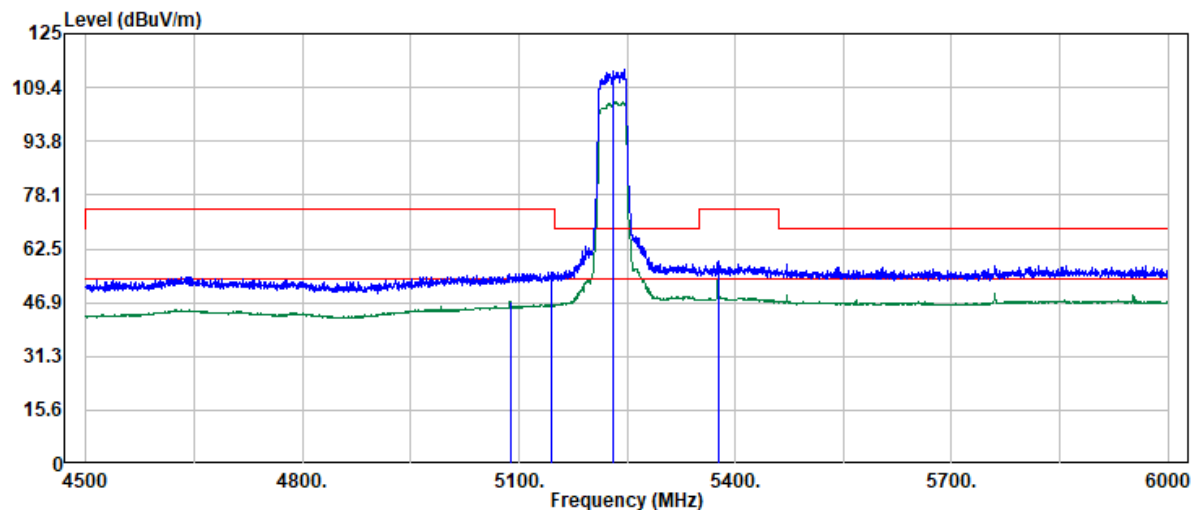


Project No: TM-2503000067P
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Project No : TM-2503000067P
Operation Band : 802.11ax40_Band1
Frequency : 5230 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5088.30	33.53	13.53	47.06	54.00	-6.94	Average
5144.29	42.13	13.63	55.76	74.00	-18.24	Peak
5230.00	100.61	13.79	114.40	--	--	Peak
5230.00	91.31	13.79	105.10	--	--	Average
5376.21	44.84	14.02	58.86	74.00	-15.14	Peak
5376.21	39.27	14.02	53.29	54.00	-0.71	Average

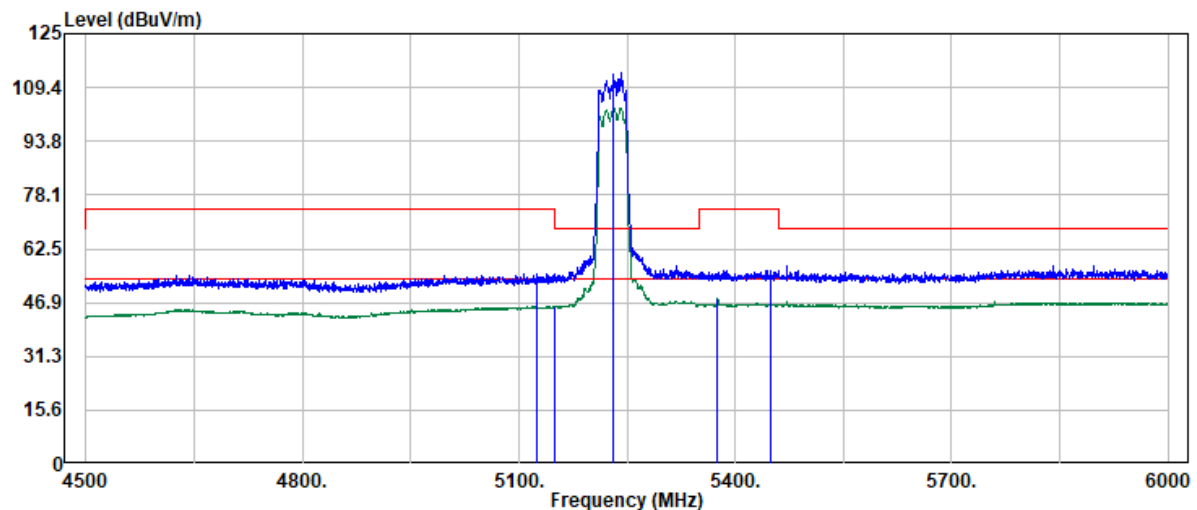


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11ax40_Band1
Frequency : 5230 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 13.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



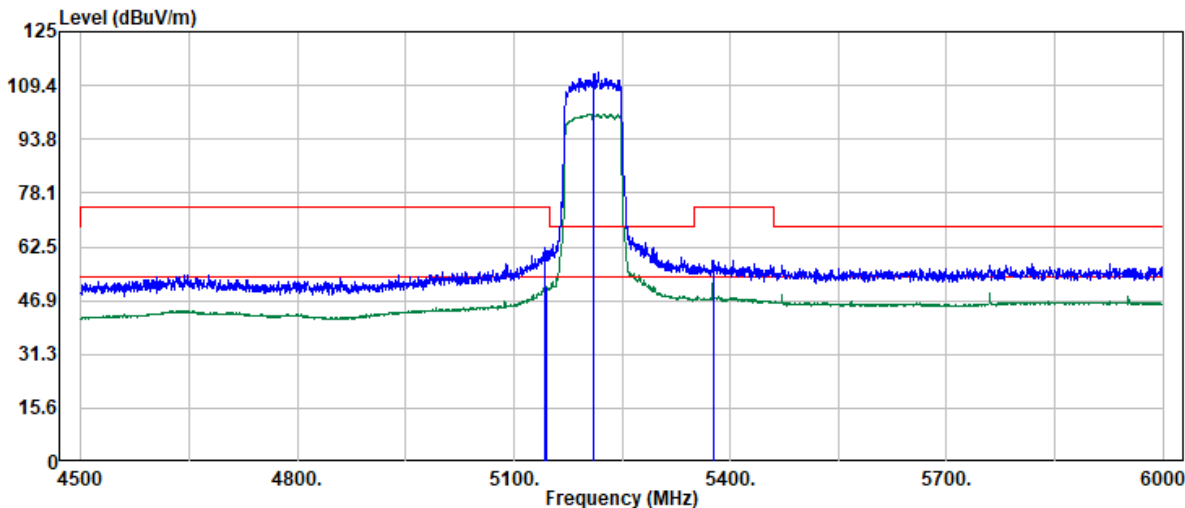
Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5124.79	41.79	13.61	55.40	74.00	-18.60	Peak
5149.78	32.14	13.63	45.77	54.00	-8.23	Average
5230.00	99.89	13.79	113.68	--	--	Peak
5230.00	89.84	13.79	103.63	--	--	Average
5375.71	33.92	14.02	47.94	54.00	-6.06	Average
5450.18	41.92	14.34	56.26	74.00	-17.74	Peak



Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax80_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5210 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



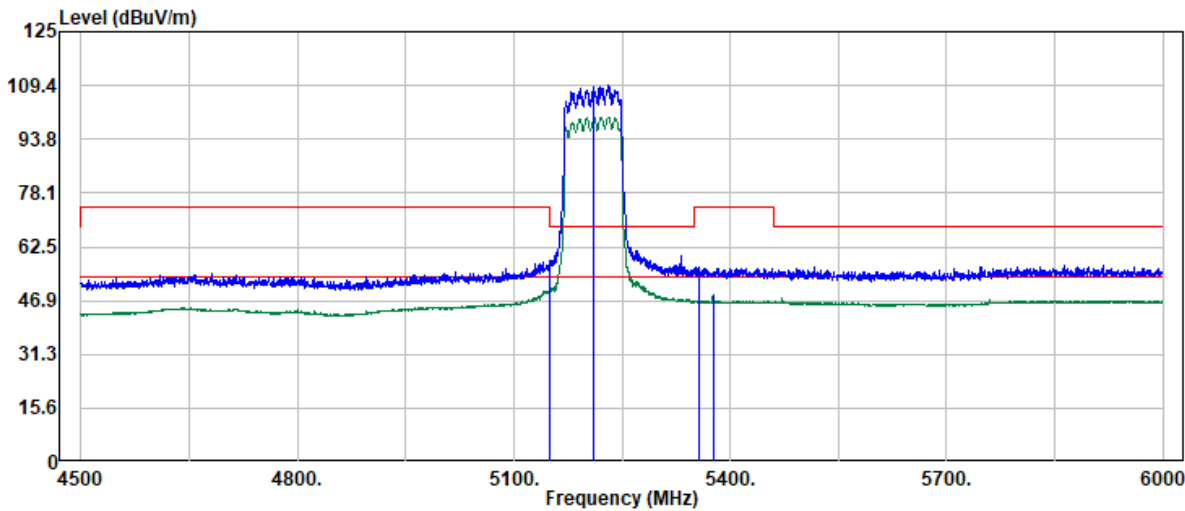
Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5142.29	48.55	13.63	62.18	74.00	-11.82	Peak
5146.29	37.14	13.63	50.77	54.00	-3.23	Average
5210.00	99.17	13.84	113.01	--	--	Peak
5210.00	87.26	13.84	101.10	--	--	Average
5376.21	44.63	14.02	58.65	74.00	-15.35	Peak
5376.21	38.04	14.02	52.06	54.00	-1.94	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax80_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5210 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5148.78	36.19	13.63	49.82	54.00	-4.18	Average
5149.28	44.64	13.63	58.27	74.00	-15.73	Peak
5210.00	95.70	13.84	109.54	--	--	Peak
5210.00	86.39	13.84	100.23	--	--	Average
5357.71	42.59	14.01	56.60	74.00	-17.40	Peak
5376.21	34.35	14.02	48.37	54.00	-5.63	Average

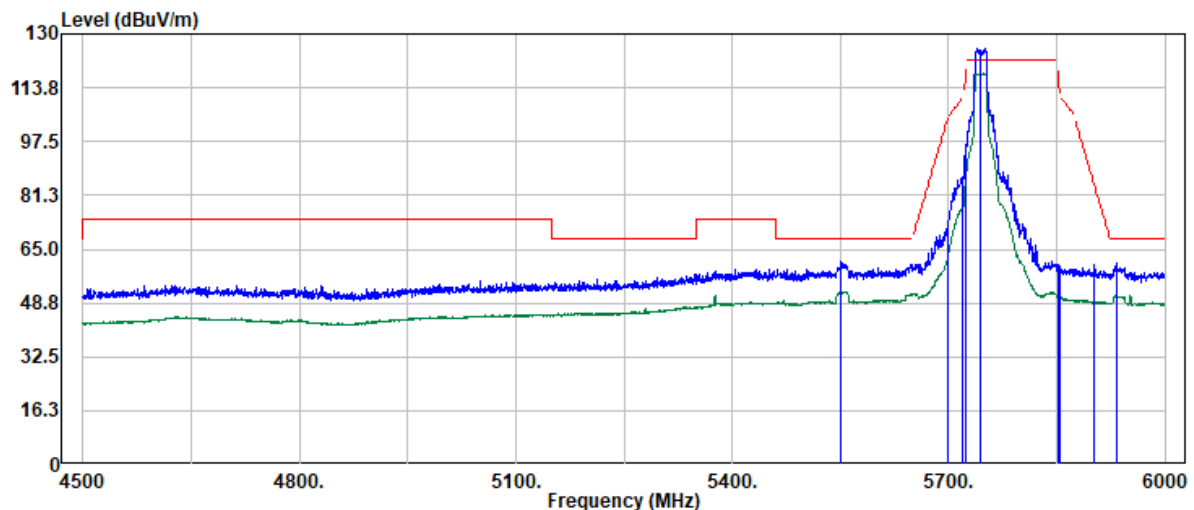


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Project No : TM-2503000067P
Operation Band : 802.11a_Band4_CH0
Frequency : 5745 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 24

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5551.15	46.70	14.61	61.31	68.20	-6.89	Peak
5700.00	57.57	15.33	72.90	105.20	-32.30	Peak
5720.00	71.19	15.50	86.69	110.80	-24.11	Peak
5724.59	81.28	15.54	96.82	121.27	-24.45	Peak
5745.00	109.68	15.70	125.38	--	--	Peak
5745.00	102.40	15.70	118.10	--	--	Average
5851.55	44.60	15.74	60.34	118.67	-58.33	Peak
5855.05	44.06	15.73	59.79	110.79	-51.00	Peak
5901.53	44.46	15.64	60.10	85.53	-25.43	Peak
5932.52	45.00	15.66	60.66	68.20	-7.54	Peak

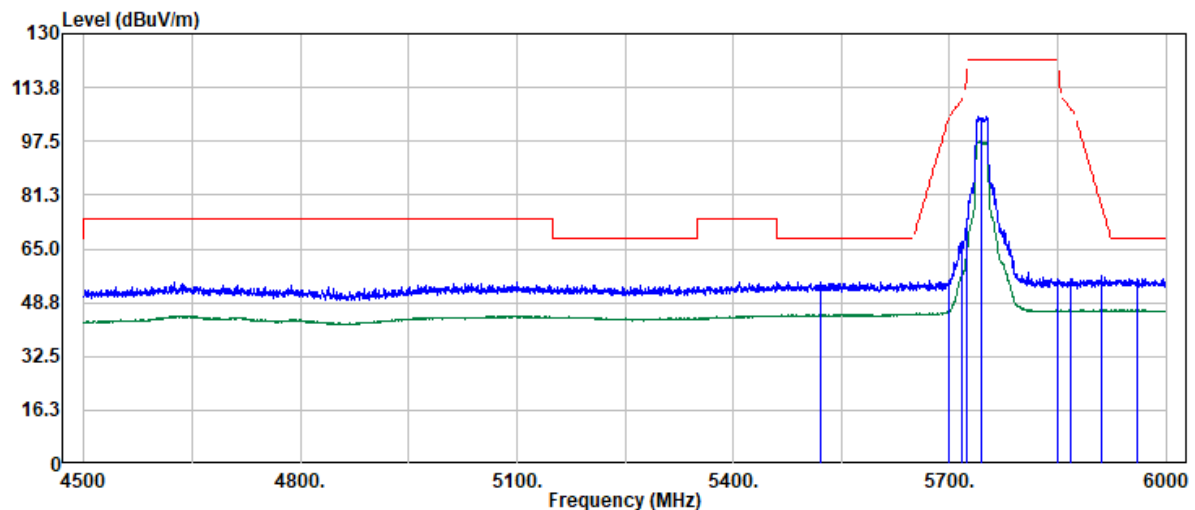


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Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11a_Band4_CH0
Frequency : 5745 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 24

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5520.66	40.64	14.46	55.10	68.20	-13.10	Peak
5700.00	40.33	15.33	55.66	105.20	-49.54	Peak
5717.09	51.60	15.48	67.08	109.99	-42.91	Peak
5724.59	58.48	15.54	74.02	121.27	-47.25	Peak
5745.00	89.31	15.70	105.01	--	--	Peak
5745.00	81.85	15.70	97.55	--	--	Average
5850.55	40.31	15.74	56.05	120.95	-64.90	Peak
5868.04	40.05	15.71	55.76	107.15	-51.39	Peak
5911.03	41.02	15.65	56.67	78.51	-21.84	Peak
5960.01	40.45	15.65	56.10	68.20	-12.10	Peak

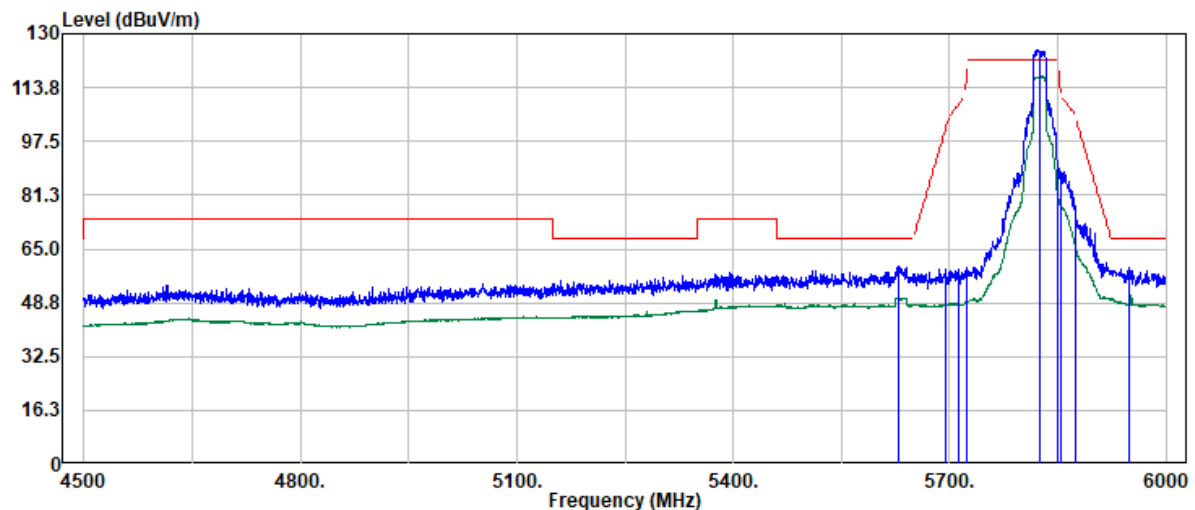


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Project No : TM-2503000067P
Operation Band : 802.11a_Band4_CH0
Frequency : 5825 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 23.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5629.62	44.80	14.99	59.79	68.20	-8.41	Peak
5695.10	43.77	15.32	59.09	101.59	-42.50	Peak
5712.10	43.23	15.44	58.67	108.59	-49.92	Peak
5724.59	43.64	15.54	59.18	121.27	-62.09	Peak
5825.00	109.18	15.81	124.99	--	--	Peak
5825.00	101.41	15.81	117.22	--	--	Average
5850.05	75.24	15.74	90.98	122.09	-31.11	Peak
5855.05	72.59	15.73	88.32	110.79	-22.47	Peak
5875.54	58.51	15.68	74.19	104.80	-30.61	Peak
5948.02	43.86	15.66	59.52	68.20	-8.68	Peak

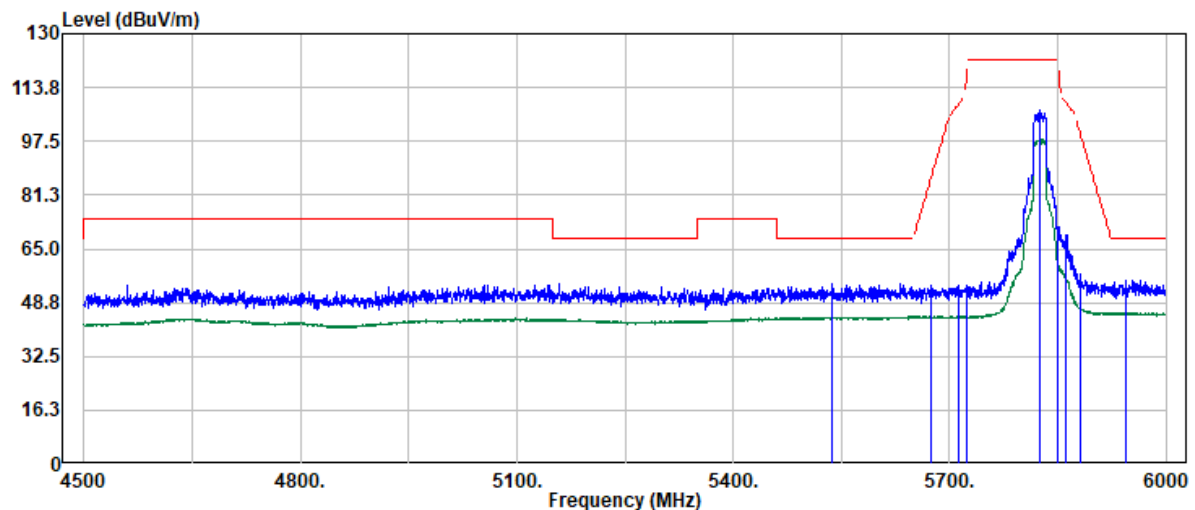


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Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11a_Band4_CH0
Frequency : 5825 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 23.5

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5537.65	39.90	14.56	54.46	68.20	-13.74	Peak
5674.11	38.90	15.28	54.18	86.08	-31.90	Peak
5712.10	38.43	15.44	53.87	108.59	-54.72	Peak
5723.09	38.24	15.52	53.76	117.85	-64.09	Peak
5825.00	91.07	15.81	106.88	--	--	Peak
5825.00	82.32	15.81	98.13	--	--	Average
5850.55	56.07	15.74	71.81	120.95	-49.14	Peak
5861.55	53.65	15.72	69.37	108.96	-39.59	Peak
5881.54	41.77	15.67	57.44	100.34	-42.90	Peak
5944.02	40.00	15.66	55.66	68.20	-12.54	Peak

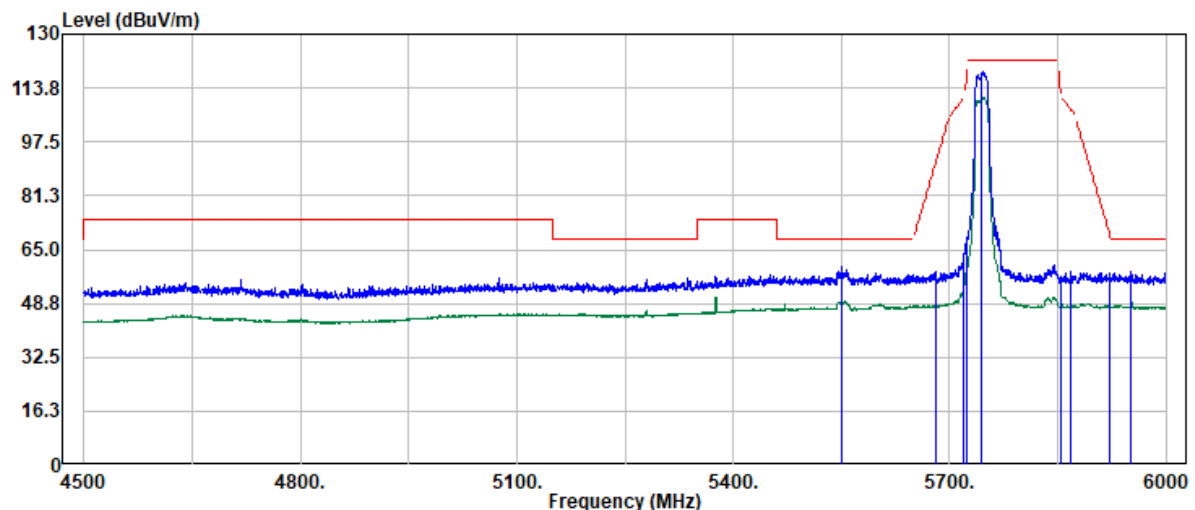


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Project No : TM-2503000067P
Operation Band : 802.11n20_Band4
Frequency : 5745 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : Vertical
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5550.15	45.04	14.61	59.65	68.20	-8.55	Peak
5681.11	42.90	15.28	58.18	91.26	-33.08	Peak
5720.00	48.19	15.50	63.69	110.80	-47.11	Peak
5723.59	53.04	15.53	68.57	118.99	-50.42	Peak
5745.00	103.08	15.70	118.78	--	--	Peak
5745.00	95.35	15.70	111.05	--	--	Average
5854.05	41.04	15.73	56.77	112.97	-56.20	Peak
5869.04	42.51	15.71	58.22	106.87	-48.65	Peak
5922.03	42.32	15.65	57.97	70.39	-12.42	Peak
5952.02	42.79	15.67	58.46	68.20	-9.74	Peak

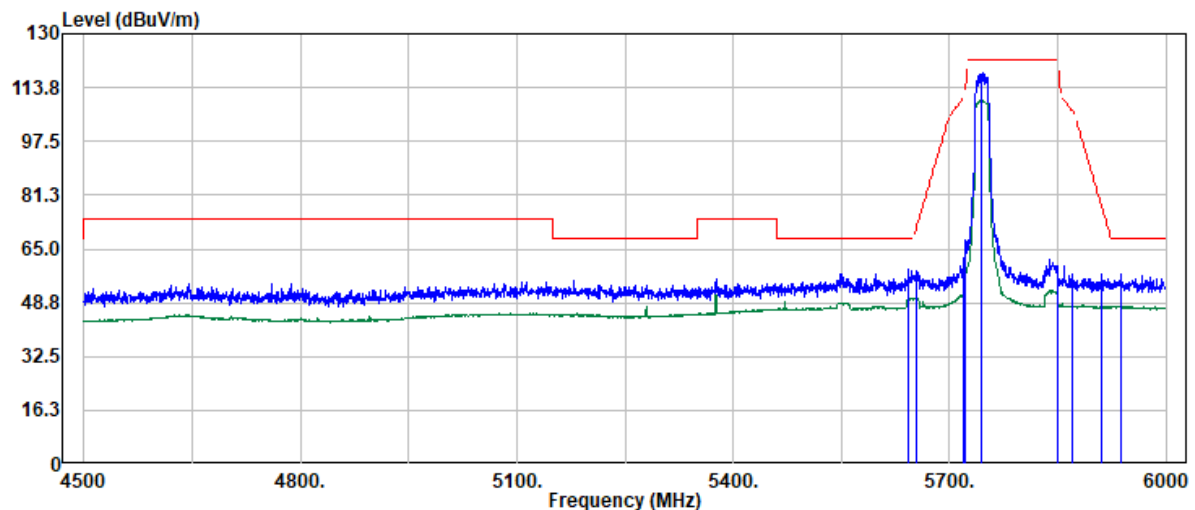


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Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11n20_Band4
Frequency : 5745 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5642.12	44.45	15.13	59.58	68.20	-8.62	Peak
5653.12	43.70	15.22	58.92	70.52	-11.60	Peak
5720.00	46.86	15.50	62.36	110.80	-48.44	Peak
5722.09	52.48	15.52	68.00	115.57	-47.57	Peak
5745.00	102.26	15.70	117.96	--	--	Peak
5745.00	94.14	15.70	109.84	--	--	Average
5850.05	42.56	15.74	58.30	122.09	-63.79	Peak
5869.54	41.96	15.71	57.67	106.73	-49.06	Peak
5910.03	42.42	15.65	58.07	79.24	-21.17	Peak
5938.52	42.12	15.66	57.78	68.20	-10.42	Peak

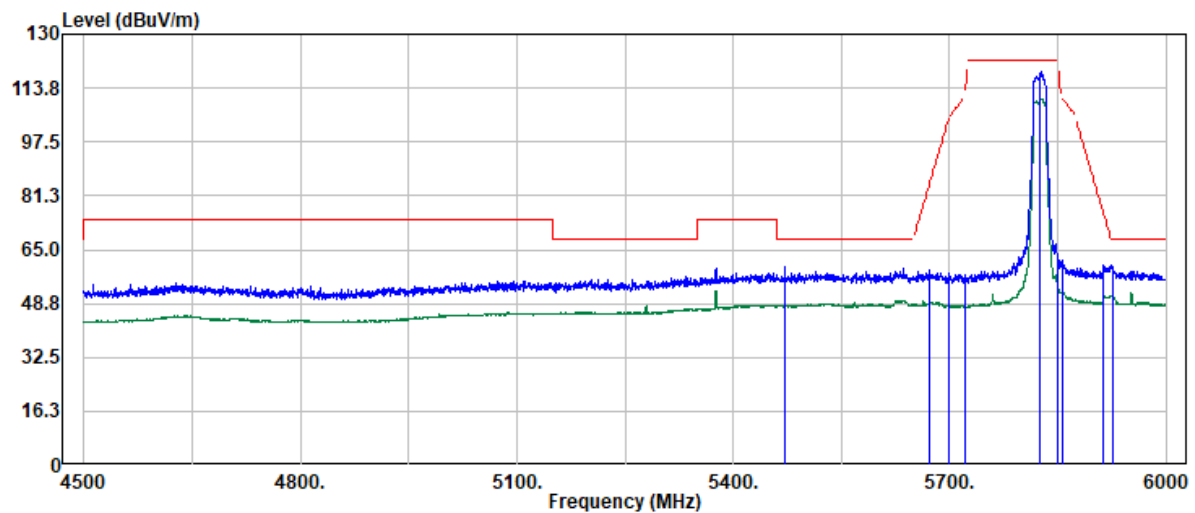


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11n20_Band4
Frequency : 5825 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



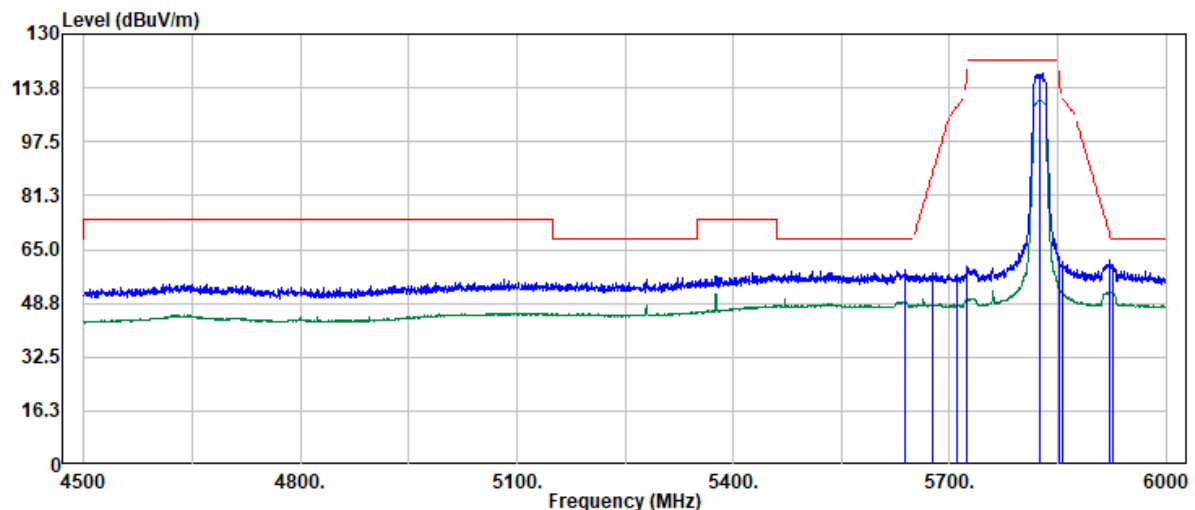
Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5472.18	45.44	14.35	59.79	68.20	-8.41	Peak
5672.61	43.66	15.27	58.93	84.97	-26.04	Peak
5700.10	42.34	15.33	57.67	105.23	-47.56	Peak
5720.59	41.98	15.50	57.48	112.15	-54.67	Peak
5825.00	102.69	15.81	118.50	--	--	Peak
5825.00	94.70	15.81	110.51	--	--	Average
5850.05	47.04	15.74	62.78	122.09	-59.31	Peak
5855.55	45.85	15.73	61.58	110.65	-49.07	Peak
5914.03	44.86	15.65	60.51	76.29	-15.78	Peak
5925.53	44.23	15.65	59.88	68.20	-8.32	Peak

Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11n20_Band4
Frequency : 5825 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5638.62	43.88	15.10	58.98	68.20	-9.22	Peak
5676.11	42.49	15.27	57.76	87.56	-29.80	Peak
5710.10	41.76	15.42	57.18	108.03	-50.85	Peak
5724.09	44.29	15.53	59.82	120.13	-60.31	Peak
5825.00	102.22	15.81	118.03	--	--	Peak
5825.00	94.24	15.81	110.05	--	--	Average
5851.55	46.85	15.74	62.59	118.67	-56.08	Peak
5856.05	45.76	15.73	61.49	110.51	-49.02	Peak
5922.53	46.04	15.65	61.69	70.02	-8.33	Peak
5925.53	44.55	15.65	60.20	68.20	-8.00	Peak

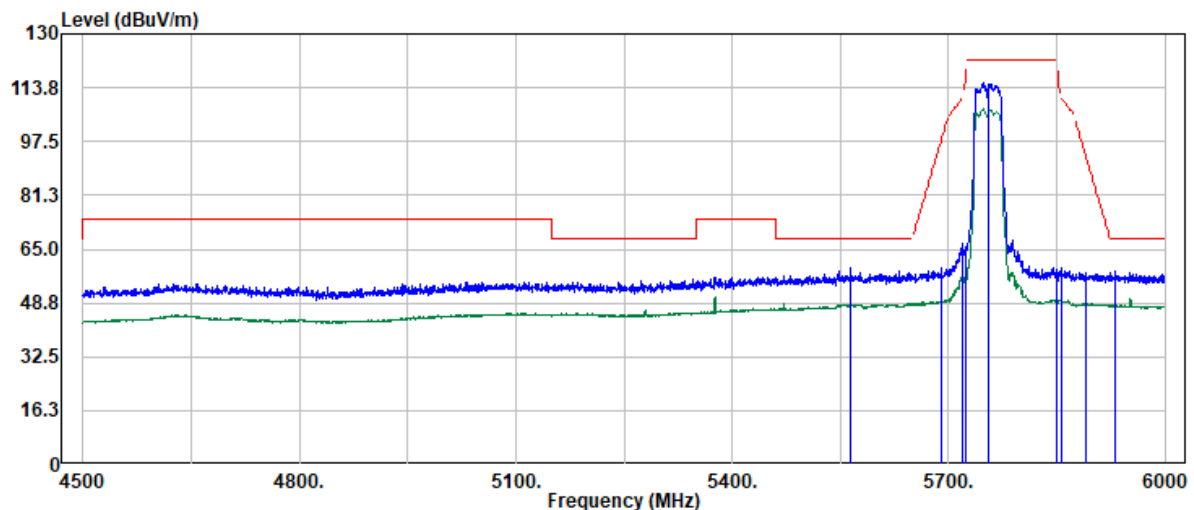


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11n40_Band4
Frequency : 5755 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5565.15	44.53	14.62	59.15	68.20	-9.05	Peak
5690.60	43.81	15.31	59.12	98.27	-39.15	Peak
5718.59	51.02	15.49	66.51	110.41	-43.90	Peak
5724.59	50.09	15.54	65.63	121.27	-55.64	Peak
5755.00	99.39	15.76	115.15	--	--	Peak
5755.00	91.45	15.76	107.21	--	--	Average
5850.05	43.31	15.74	59.05	122.09	-63.04	Peak
5856.05	43.82	15.73	59.55	110.51	-50.96	Peak
5891.04	42.19	15.66	57.85	93.30	-35.45	Peak
5932.02	42.86	15.66	58.52	68.20	-9.68	Peak

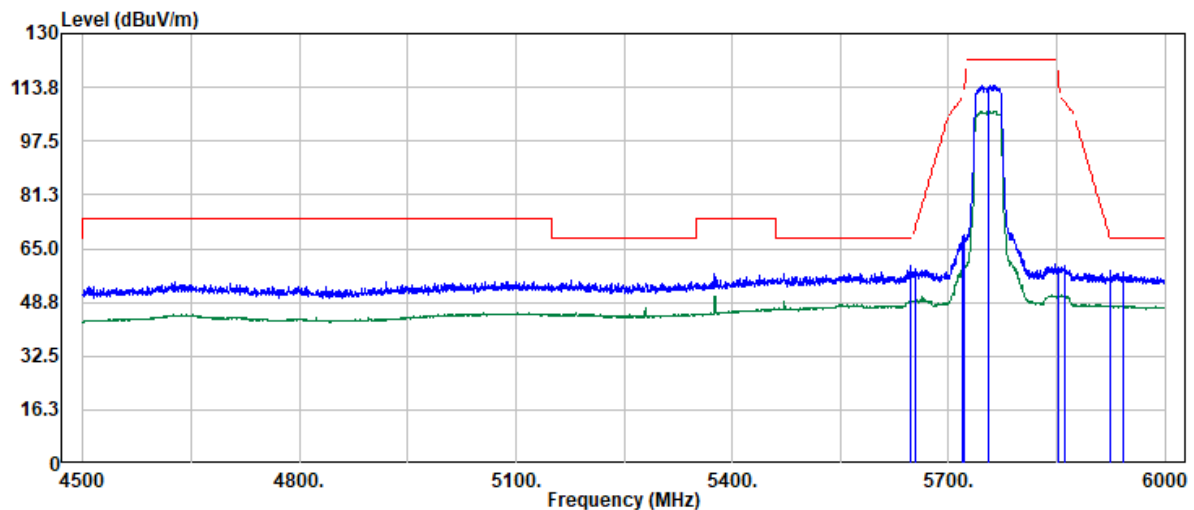


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11n40_Band4
Frequency : 5755 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



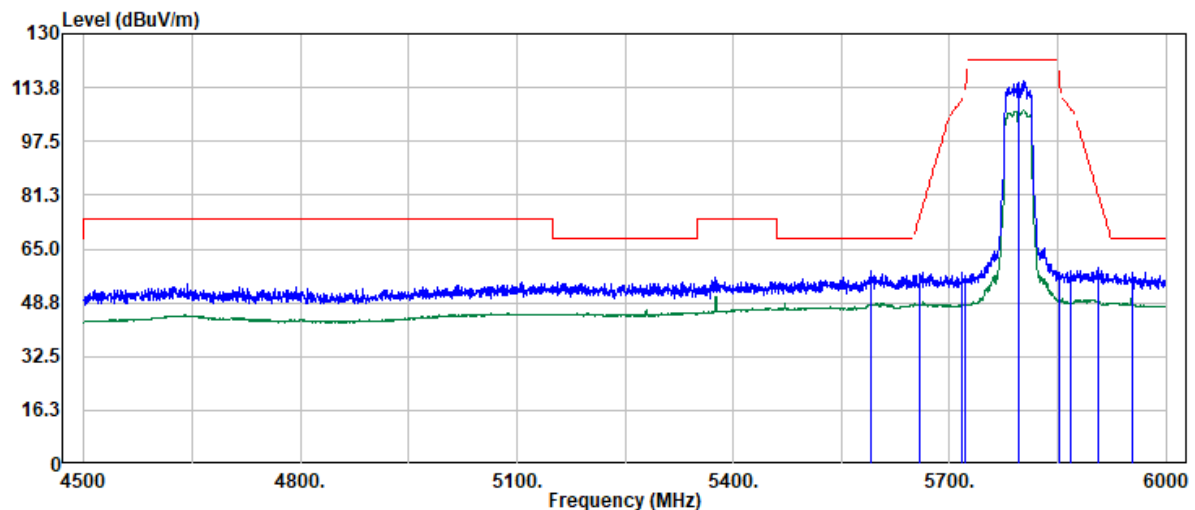
Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5648.12	44.61	15.19	59.80	68.20	-8.40	Peak
5653.12	43.70	15.22	58.92	70.52	-11.60	Peak
5720.00	53.07	15.50	68.57	110.80	-42.23	Peak
5721.09	53.70	15.51	69.21	113.29	-44.08	Peak
5755.00	98.63	15.76	114.39	--	--	Peak
5755.00	90.76	15.76	106.52	--	--	Average
5852.05	43.55	15.74	59.29	117.53	-58.24	Peak
5860.05	44.10	15.72	59.82	109.39	-49.57	Peak
5924.53	42.54	15.65	58.19	68.55	-10.36	Peak
5942.52	42.02	15.66	57.68	68.20	-10.52	Peak

Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11n40_Band4
Frequency : 5795 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1

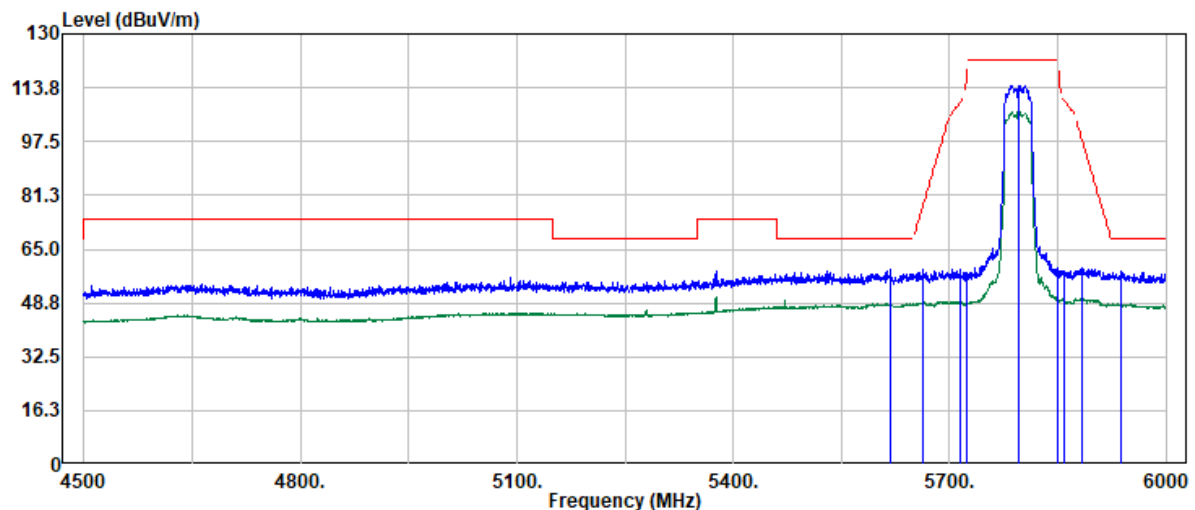
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5591.64	44.32	14.66	58.98	68.20	-9.22	Peak
5659.61	42.69	15.24	57.93	75.34	-17.41	Peak
5717.59	42.75	15.48	58.23	110.13	-51.90	Peak
5721.09	41.86	15.51	57.37	113.29	-55.92	Peak
5795.00	99.75	15.86	115.61	--	--	Peak
5795.00	91.03	15.86	106.89	--	--	Average
5851.05	42.65	15.74	58.39	119.81	-61.42	Peak
5868.04	43.04	15.71	58.75	107.15	-48.40	Peak
5907.03	44.01	15.64	59.65	81.46	-21.81	Peak
5952.52	42.78	15.66	58.44	68.20	-9.76	Peak

Project No: TM-2503000067P
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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11n40_Band4
Frequency : 5795 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1

Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5618.13	43.90	14.88	58.78	68.20	-9.42	Peak
5664.11	43.57	15.24	58.81	78.68	-19.87	Peak
5715.10	43.66	15.45	59.11	109.43	-50.32	Peak
5723.09	42.50	15.52	58.02	117.85	-59.83	Peak
5795.00	98.66	15.86	114.52	--	--	Peak
5795.00	90.66	15.86	106.52	--	--	Average
5850.05	43.72	15.74	59.46	122.09	-62.63	Peak
5858.55	42.83	15.72	58.55	109.81	-51.26	Peak
5884.04	43.67	15.66	59.33	98.49	-39.16	Peak
5938.52	42.50	15.66	58.16	68.20	-10.04	Peak

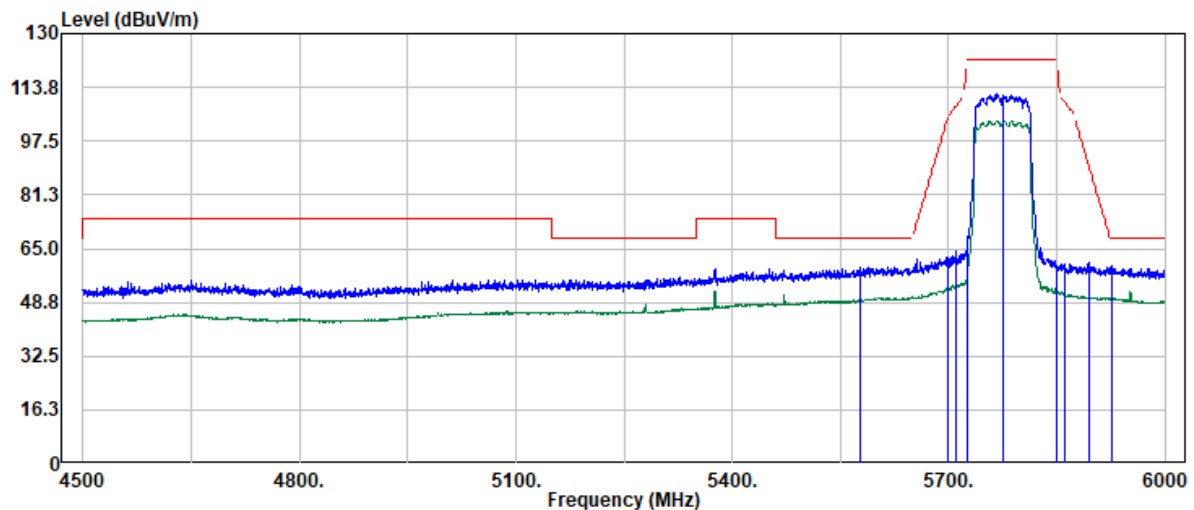


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Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11ac80_Band4
Frequency : 5775 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17.5

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5577.14	44.78	14.64	59.42	68.20	-8.78	Peak
5700.00	47.06	15.33	62.39	105.20	-42.81	Peak
5710.10	48.93	15.42	64.35	108.03	-43.68	Peak
5725.00	48.92	15.54	64.46	122.20	-57.74	Peak
5775.00	96.06	15.81	111.87	--	--	Peak
5775.00	87.85	15.81	103.66	--	--	Average
5850.05	44.30	15.74	60.04	122.09	-62.05	Peak
5860.55	44.54	15.72	60.26	109.25	-48.99	Peak
5895.54	44.94	15.65	60.59	89.97	-29.38	Peak
5927.52	44.24	15.65	59.89	68.20	-8.31	Peak

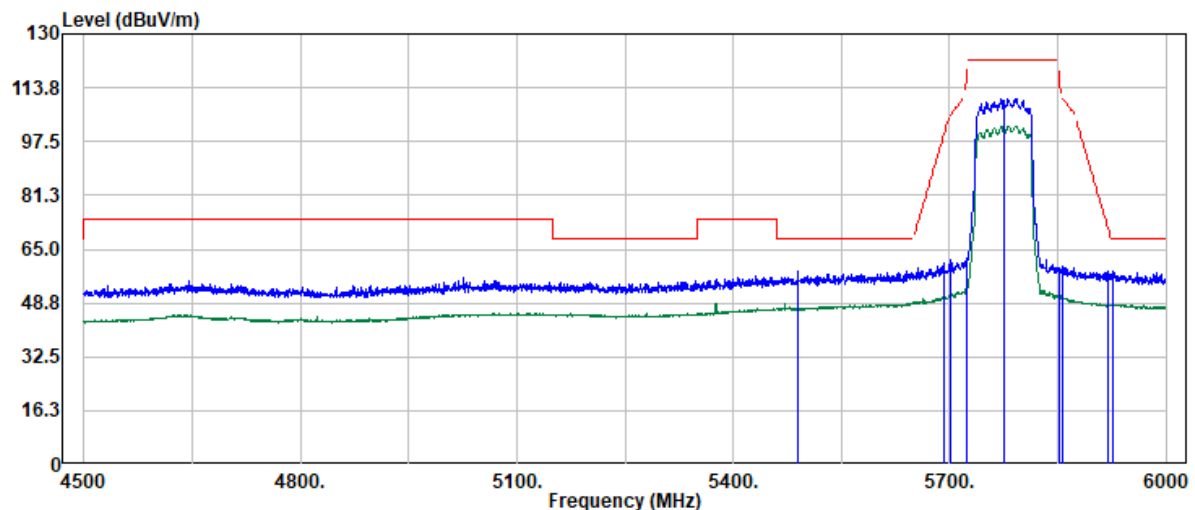


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11ac80_Band4
Frequency : 5775 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17.5

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5490.17	44.22	14.37	58.59	68.20	-9.61	Peak
5691.60	45.63	15.32	60.95	99.01	-38.06	Peak
5702.10	46.42	15.35	61.77	105.79	-44.02	Peak
5724.09	46.81	15.53	62.34	120.13	-57.79	Peak
5775.00	94.56	15.81	110.37	--	--	Peak
5775.00	86.29	15.81	102.10	--	--	Average
5852.05	43.62	15.74	59.36	117.53	-58.17	Peak
5855.55	43.91	15.73	59.64	110.65	-51.01	Peak
5920.53	42.94	15.65	58.59	71.50	-12.91	Peak
5925.53	42.94	15.65	58.59	68.20	-9.61	Peak

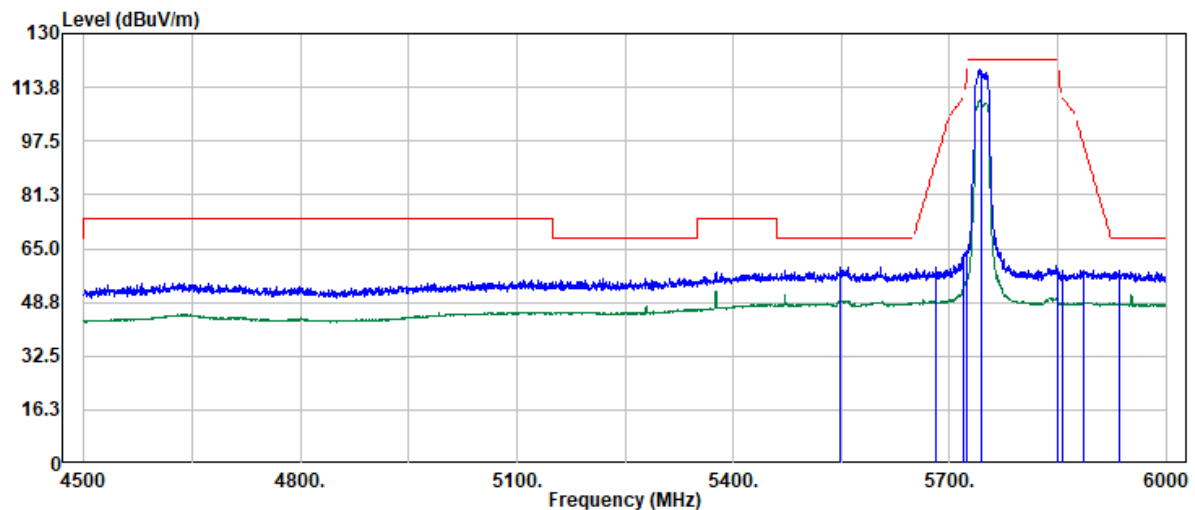


Project No: TM-2503000067P
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Project No : TM-2503000067P
Operation Band : 802.11ax20_Band4
Frequency : 5745 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



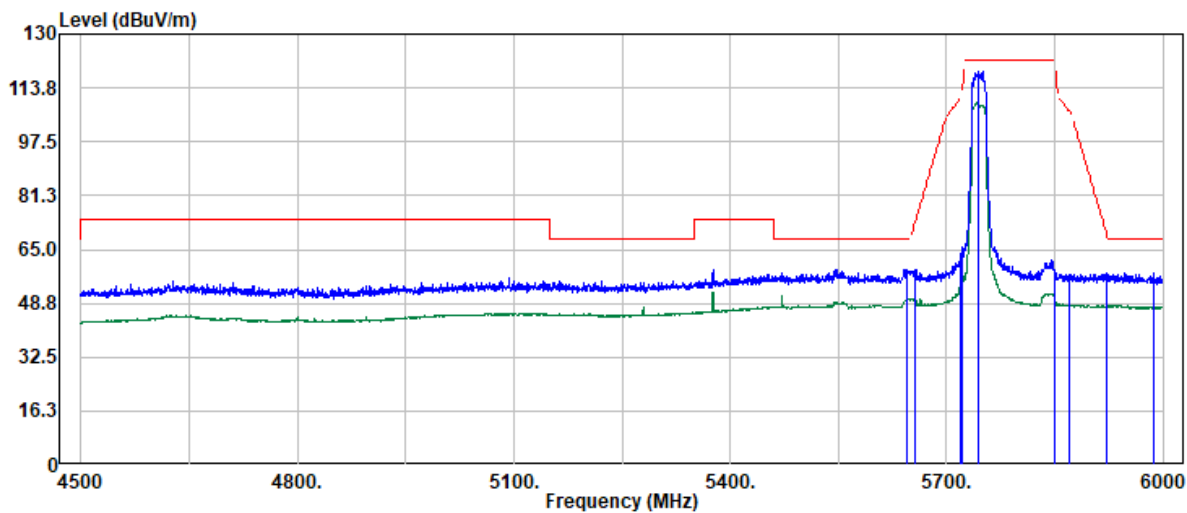
Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5547.65	44.84	14.60	59.44	68.20	-8.76	Peak
5681.61	43.91	15.29	59.20	91.63	-32.43	Peak
5719.09	47.81	15.49	63.30	110.55	-47.25	Peak
5723.09	48.92	15.52	64.44	117.85	-53.41	Peak
5745.00	103.43	15.70	119.13	--	--	Peak
5745.00	93.96	15.70	109.66	--	--	Average
5850.05	42.94	15.74	58.68	122.09	-63.41	Peak
5856.05	42.61	15.73	58.34	110.51	-52.17	Peak
5885.04	42.82	15.66	58.48	97.75	-39.27	Peak
5934.52	42.81	15.66	58.47	68.20	-9.73	Peak



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Report No.: TMWK2503001053KR

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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5745 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



Trace: 1						
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5644.12	43.96	15.15	59.11	68.20	-9.09	Peak
5655.62	43.57	15.23	58.80	72.37	-13.57	Peak
5719.09	48.20	15.49	63.69	110.55	-46.86	Peak
5722.09	50.30	15.52	65.82	115.57	-49.75	Peak
5745.00	103.09	15.70	118.79	--	--	Peak
5745.00	93.61	15.70	109.31	--	--	Average
5850.55	43.05	15.74	58.79	120.95	-62.16	Peak
5871.04	41.86	15.71	57.57	106.31	-48.74	Peak
5922.53	42.03	15.65	57.68	70.02	-12.34	Peak
5987.50	42.38	15.60	57.98	68.20	-10.22	Peak

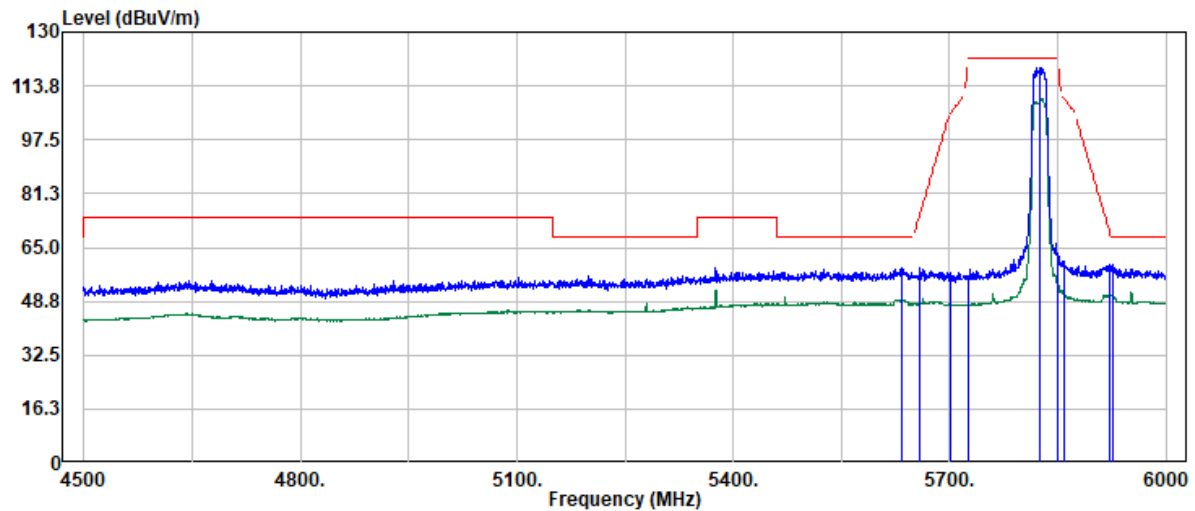


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Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11ax20_Band4
Frequency : 5825 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5634.62	43.70	15.05	58.75	68.20	-9.45	Peak
5658.61	43.52	15.23	58.75	74.60	-15.85	Peak
5701.60	42.28	15.34	57.62	105.65	-48.03	Peak
5725.00	40.74	15.54	56.28	122.20	-65.92	Peak
5825.00	103.57	15.81	119.38	--	--	Peak
5825.00	94.12	15.81	109.93	--	--	Average
5850.55	47.39	15.74	63.13	120.95	-57.82	Peak
5858.05	45.13	15.72	60.85	109.95	-49.10	Peak
5922.53	44.04	15.65	59.69	70.02	-10.33	Peak
5926.52	44.06	15.65	59.71	68.20	-8.49	Peak

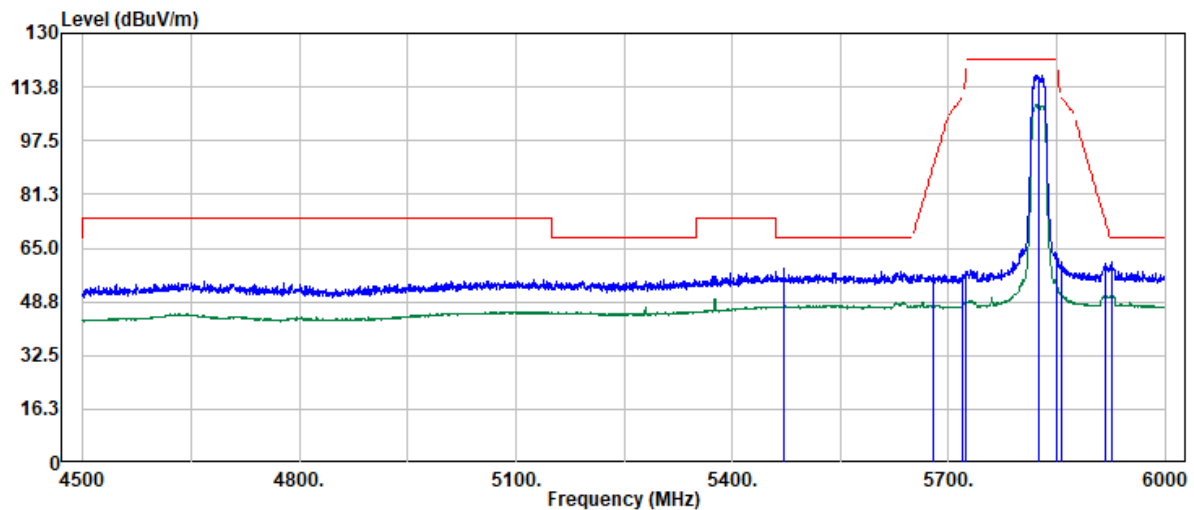


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11ax20_Band4
Frequency : 5825 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



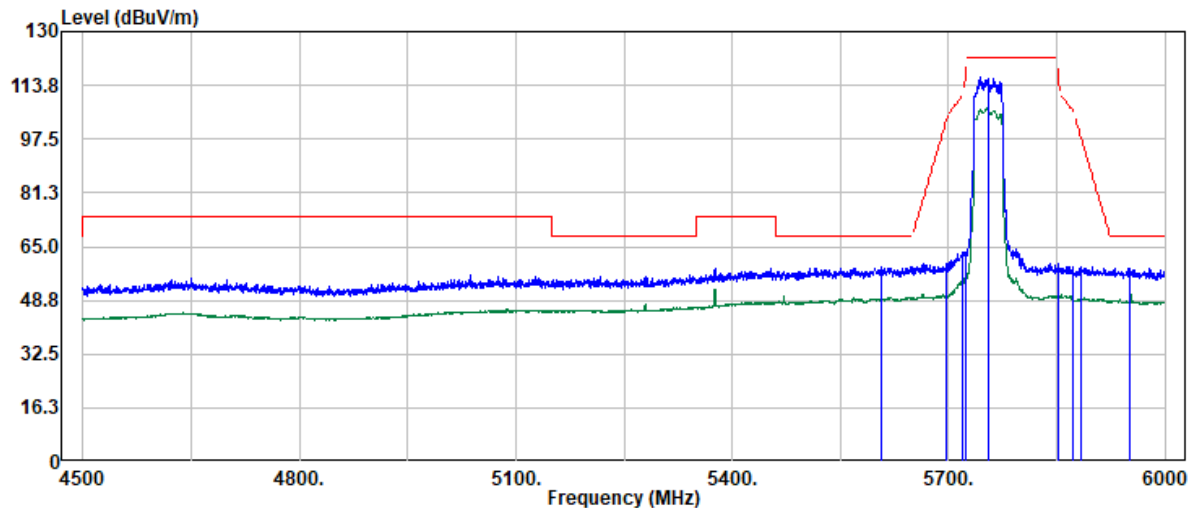
Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	FS	@3m	-----	Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5472.18	44.66	14.35	59.01	68.20	-9.19	Peak
5678.61	41.73	15.28	57.01	89.41	-32.40	Peak
5719.09	41.28	15.49	56.77	110.55	-53.78	Peak
5723.59	42.25	15.53	57.78	118.99	-61.21	Peak
5825.00	101.63	15.81	117.44	--	--	Peak
5825.00	92.50	15.81	108.31	--	--	Average
5850.05	47.32	15.74	63.06	122.09	-59.03	Peak
5856.05	44.91	15.73	60.64	110.51	-49.87	Peak
5917.53	44.68	15.65	60.33	73.71	-13.38	Peak
5925.53	45.41	15.65	61.06	68.20	-7.14	Peak

Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11ax40_Band4
Frequency : 5755 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17.5

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1

Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5607.13	44.09	14.74	58.83	68.20	-9.37	Peak
5697.60	44.63	15.32	59.95	103.43	-43.48	Peak
5719.09	47.92	15.49	63.41	110.55	-47.14	Peak
5723.59	47.91	15.53	63.44	118.99	-55.55	Peak
5755.00	100.29	15.76	116.05	--	--	Peak
5755.00	91.06	15.76	106.82	--	--	Average
5853.05	43.87	15.73	59.60	115.25	-55.65	Peak
5871.54	43.26	15.71	58.97	106.17	-47.20	Peak
5884.54	43.37	15.66	59.03	98.12	-39.09	Peak
5952.02	42.69	15.67	58.36	68.20	-9.84	Peak

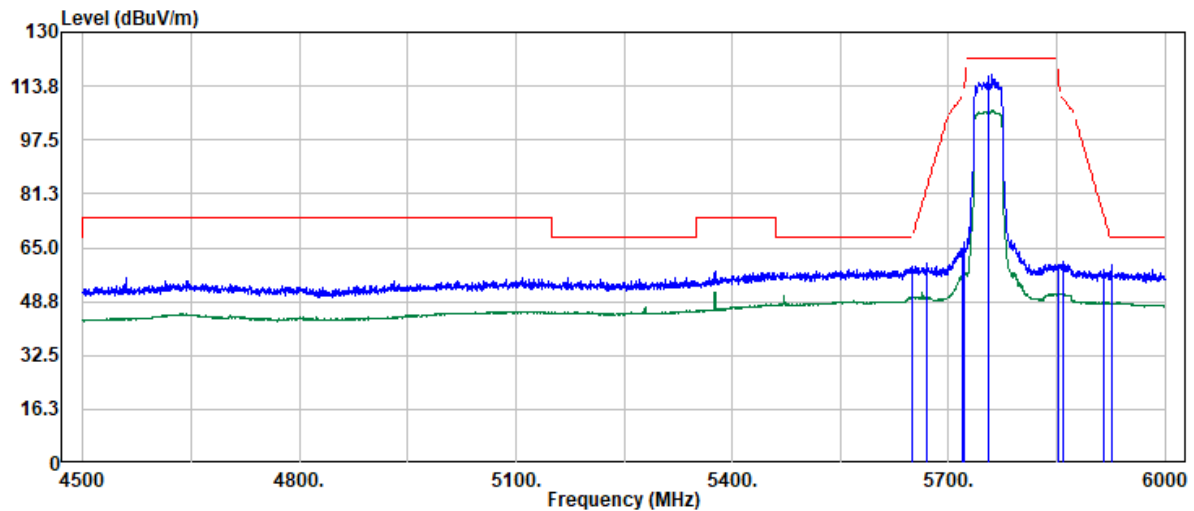


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11ax40_Band4
Frequency : 5755 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17.5

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5648.62	43.94	15.20	59.14	68.20	-9.06	Peak
5670.11	44.99	15.26	60.25	83.12	-22.87	Peak
5719.09	49.18	15.49	64.67	110.55	-45.88	Peak
5721.59	51.42	15.51	66.93	114.43	-47.50	Peak
5755.00	101.62	15.76	117.38	--	--	Peak
5755.00	90.60	15.76	106.36	--	--	Average
5852.55	43.97	15.73	59.70	116.39	-56.69	Peak
5858.05	44.98	15.72	60.70	109.95	-49.25	Peak
5914.53	42.56	15.65	58.21	75.92	-17.71	Peak
5926.52	44.30	15.65	59.95	68.20	-8.25	Peak

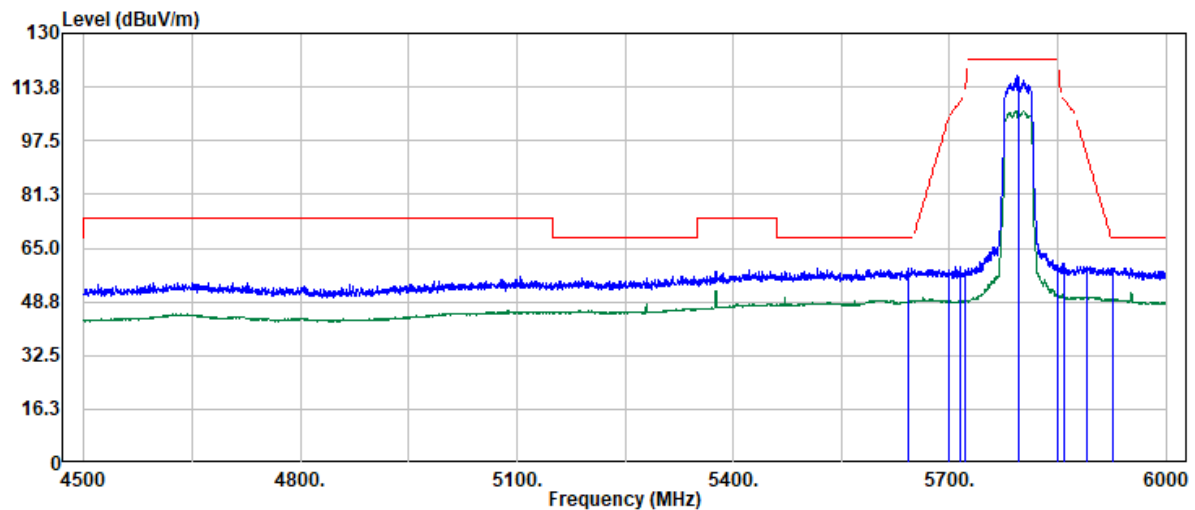


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11ax40_Band4
Frequency : 5795 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17.5

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5642.12	43.62	15.13	58.75	68.20	-9.45	Peak
5700.00	43.06	15.33	58.39	105.20	-46.81	Peak
5714.10	43.82	15.44	59.26	109.15	-49.89	Peak
5722.09	42.92	15.52	58.44	115.57	-57.13	Peak
5795.00	101.49	15.86	117.35	--	--	Peak
5795.00	90.63	15.86	106.49	--	--	Average
5850.05	43.95	15.74	59.69	122.09	-62.40	Peak
5858.05	44.42	15.72	60.14	109.95	-49.81	Peak
5891.04	43.91	15.66	59.57	93.30	-33.73	Peak
5926.52	43.21	15.65	58.86	68.20	-9.34	Peak

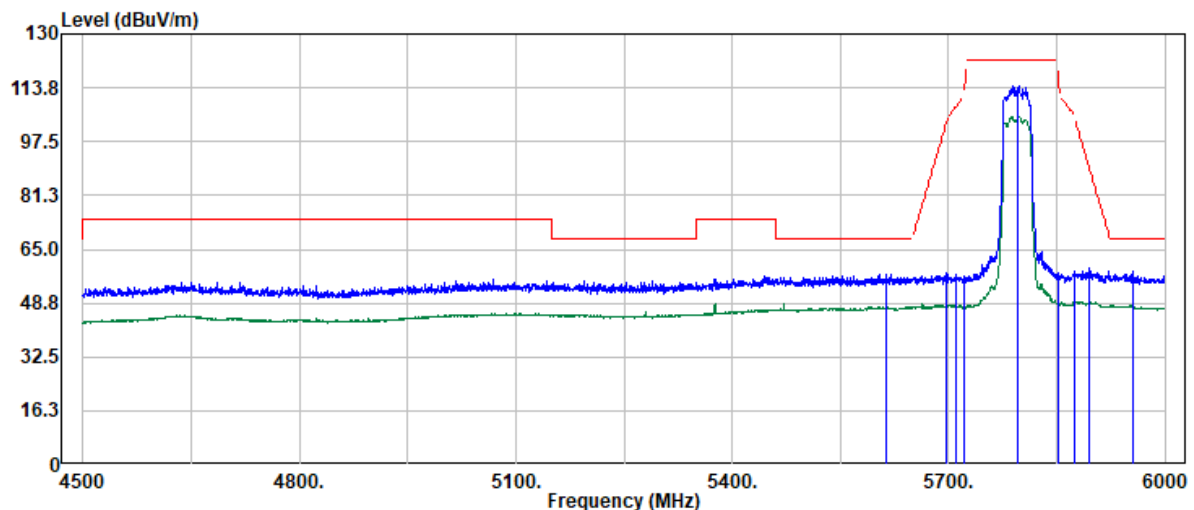


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Rev.: 04

Project No : TM-2503000067P
Operation Band : 802.11ax40_Band4
Frequency : 5795 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 17.5

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5614.13	42.75	14.83	57.58	68.20	-10.62	Peak
5697.60	42.80	15.32	58.12	103.43	-45.31	Peak
5711.10	41.86	15.43	57.29	108.31	-51.02	Peak
5722.59	41.19	15.52	56.71	116.71	-60.00	Peak
5795.00	98.62	15.86	114.48	--	--	Peak
5795.00	89.34	15.86	105.20	--	--	Average
5853.05	42.21	15.73	57.94	115.25	-57.31	Peak
5874.04	42.44	15.70	58.14	105.47	-47.33	Peak
5895.04	43.57	15.65	59.22	90.34	-31.12	Peak
5956.02	42.75	15.66	58.41	68.20	-9.79	Peak

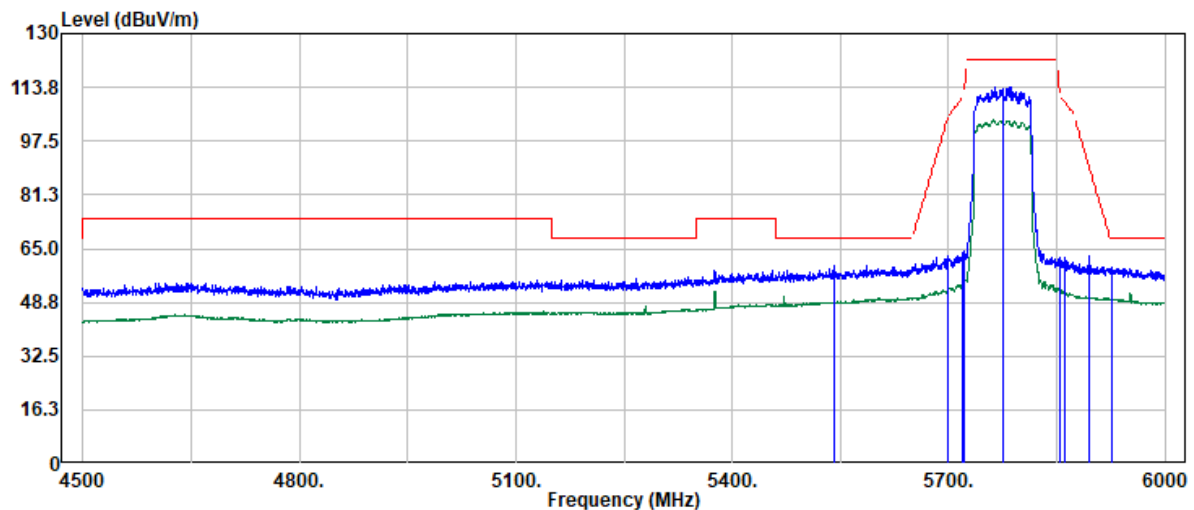


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Project No : TM-2503000067P
Operation Band : 802.11ax80_Band4
Frequency : 5775 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5542.15	45.19	14.58	59.77	68.20	-8.43	Peak
5700.00	47.26	15.33	62.59	105.20	-42.61	Peak
5720.00	48.00	15.50	63.50	110.80	-47.30	Peak
5720.59	48.69	15.50	64.19	112.15	-47.96	Peak
5775.00	97.93	15.81	113.74	--	--	Peak
5775.00	88.03	15.81	103.84	--	--	Average
5854.55	46.61	15.73	62.34	111.83	-49.49	Peak
5860.05	46.36	15.72	62.08	109.39	-47.31	Peak
5896.04	46.92	15.65	62.57	89.60	-27.03	Peak
5927.02	43.60	15.65	59.25	68.20	-8.95	Peak

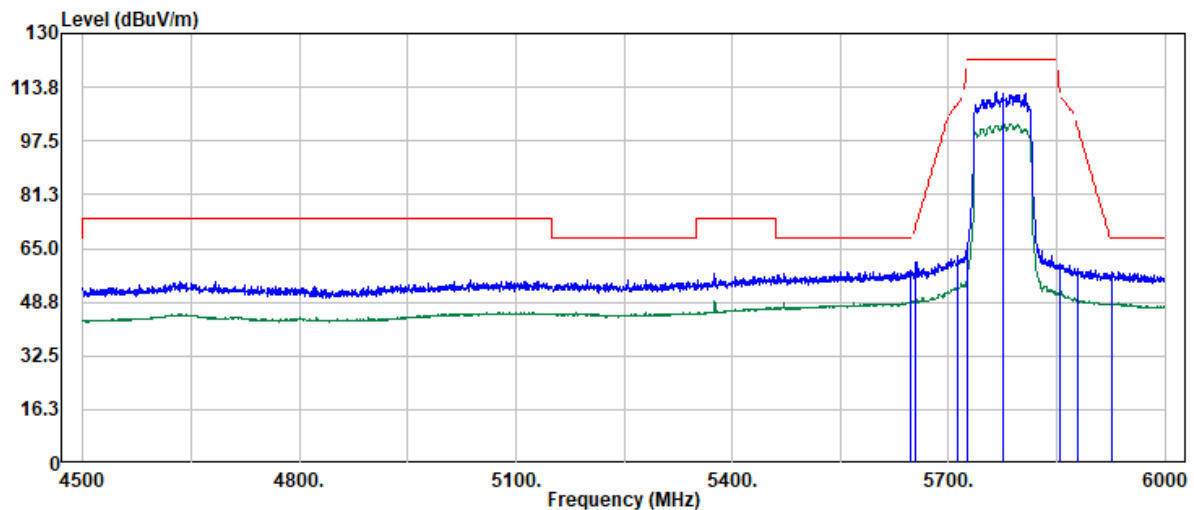


Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No : TM-2503000067P
Operation Band : 802.11ax80_Band4
Frequency : 5775 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5646.62	43.20	15.17	58.37	68.20	-9.83	Peak
5654.62	45.51	15.23	60.74	71.63	-10.89	Peak
5712.60	47.55	15.43	62.98	108.73	-45.75	Peak
5725.00	50.30	15.54	65.84	122.20	-56.36	Peak
5775.00	96.35	15.81	112.16	--	--	Peak
5775.00	86.90	15.81	102.71	--	--	Average
5854.55	44.78	15.73	60.51	111.83	-51.32	Peak
5855.05	44.56	15.73	60.29	110.79	-50.50	Peak
5879.04	43.00	15.67	58.67	102.20	-43.53	Peak
5926.52	42.24	15.65	57.89	68.20	-10.31	Peak



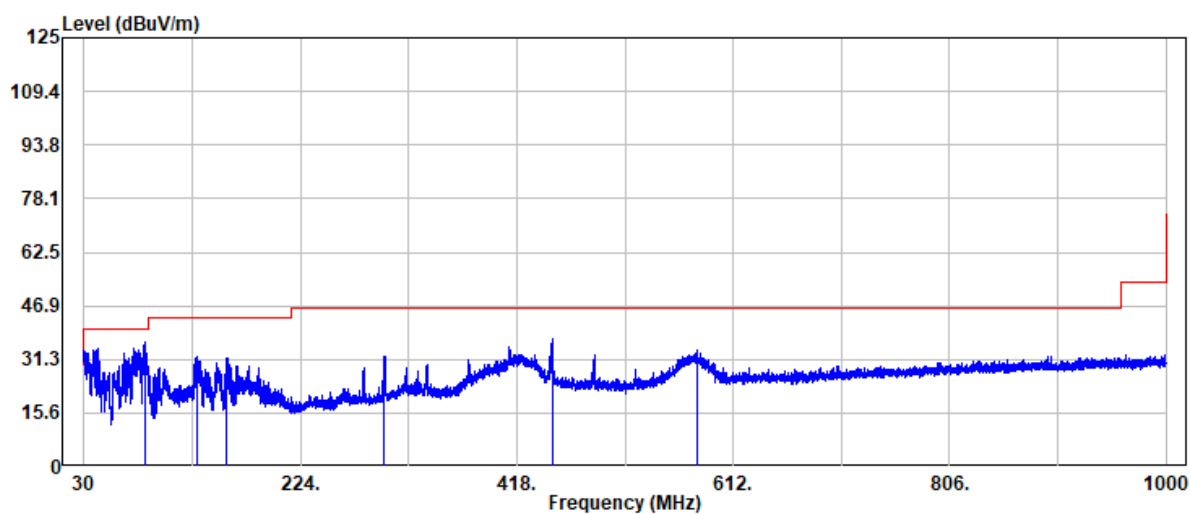
Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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TX Test Data

Project No : TM-2503000067P
Operation Band : 802.11ax20_Band1
Frequency : 5180 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



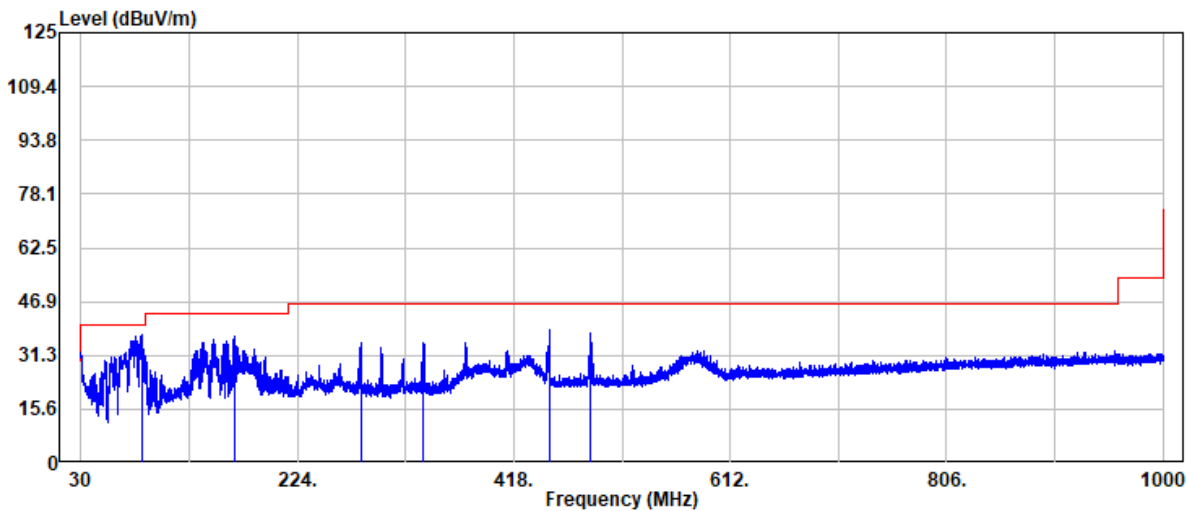
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
84.20	52.99	-16.55	36.44	40.00	-3.56	Peak
131.80	41.94	-10.00	31.94	43.50	-11.56	Peak
158.10	42.58	-11.14	31.44	43.50	-12.06	Peak
299.50	41.57	-9.40	32.17	46.00	-13.83	Peak
450.70	42.71	-5.37	37.34	46.00	-8.66	Peak
579.30	37.02	-3.24	33.78	46.00	-12.22	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	:		



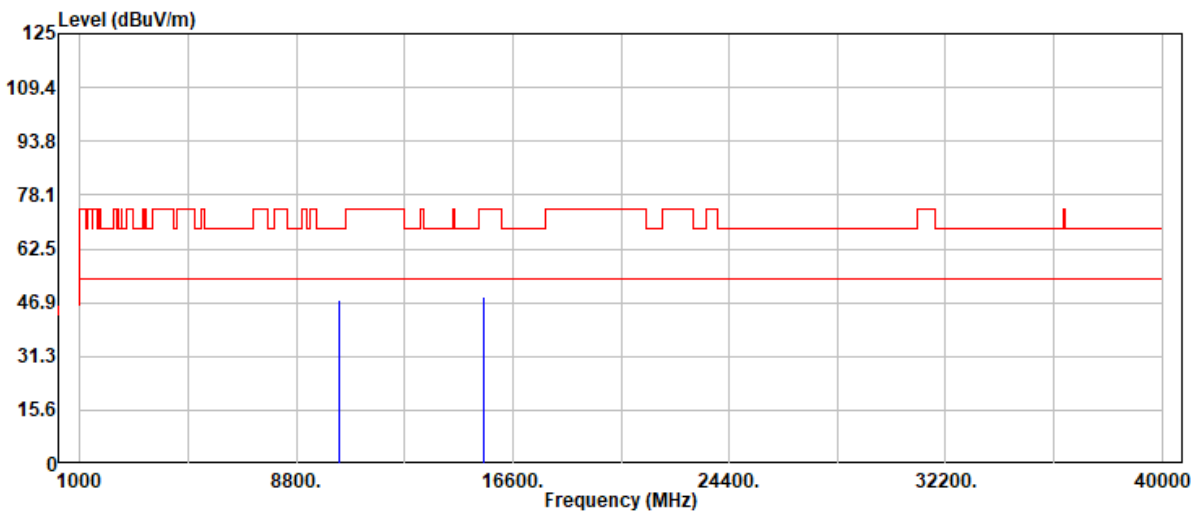
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
84.60	53.63	-16.55	37.08	40.00	-2.92	Peak
167.80	48.23	-11.61	36.62	43.50	-6.88	Peak
281.80	44.29	-9.60	34.69	46.00	-11.31	Peak
336.90	43.81	-8.72	35.09	46.00	-10.91	Peak
450.10	43.89	-5.37	38.52	46.00	-7.48	Peak
487.00	42.14	-4.53	37.61	46.00	-8.39	Peak



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Report No.: TMWK2503001053KR

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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17		



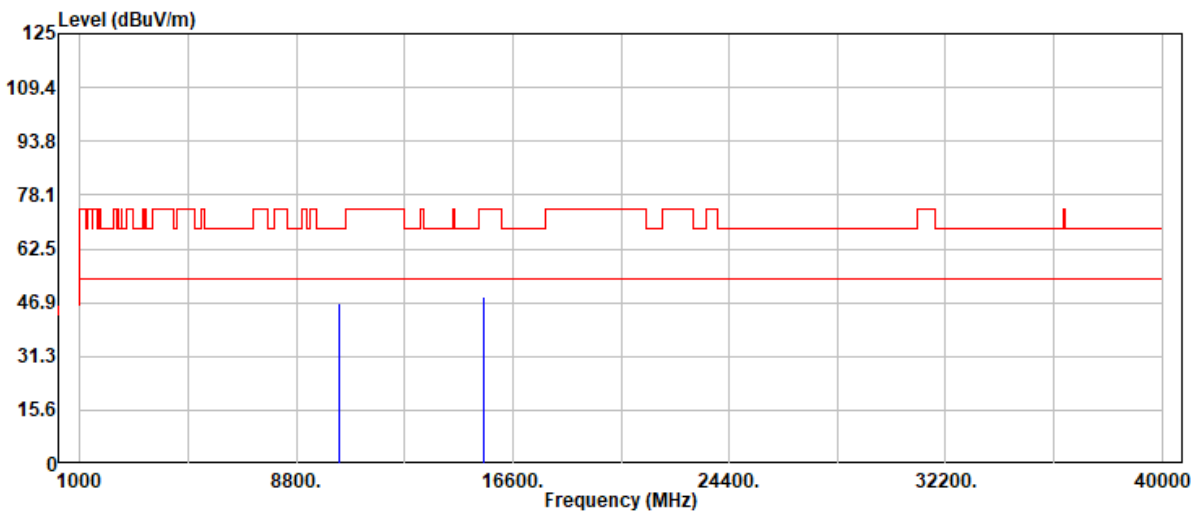
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10360.00	34.70	12.99	47.69	68.20	-20.51	Peak
15540.00	33.91	14.84	48.75	74.00	-25.25	Peak
15540.00	24.50	14.84	39.34	54.00	-14.66	Average



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Report No.: TMWK2503001053KR

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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17		



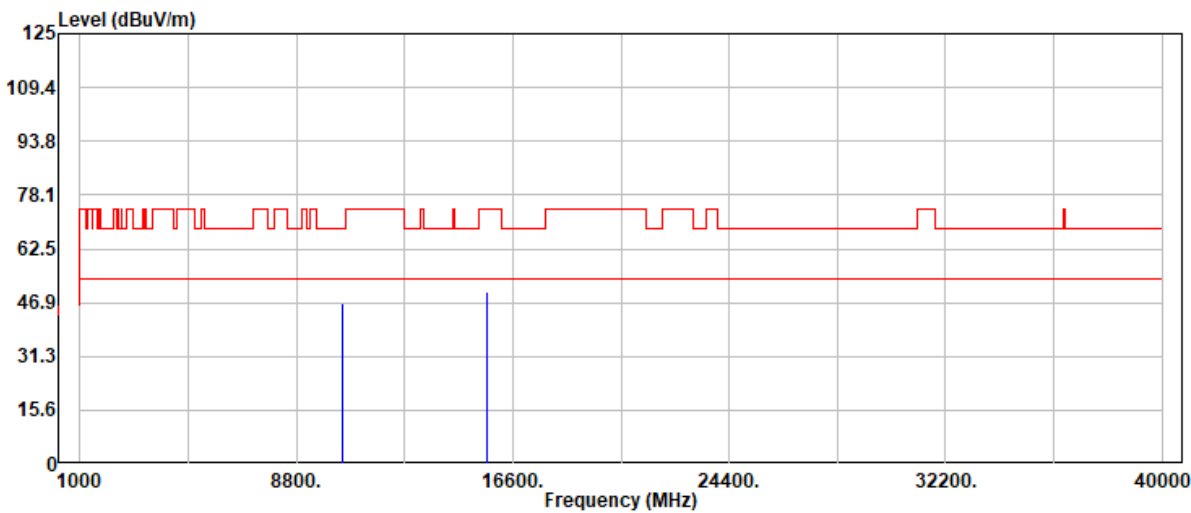
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10360.00	33.94	12.99	46.93	68.20	-21.27	Peak
15540.00	33.64	14.84	48.48	74.00	-25.52	Peak
15540.00	24.48	14.84	39.32	54.00	-14.68	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5220 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 16.5		



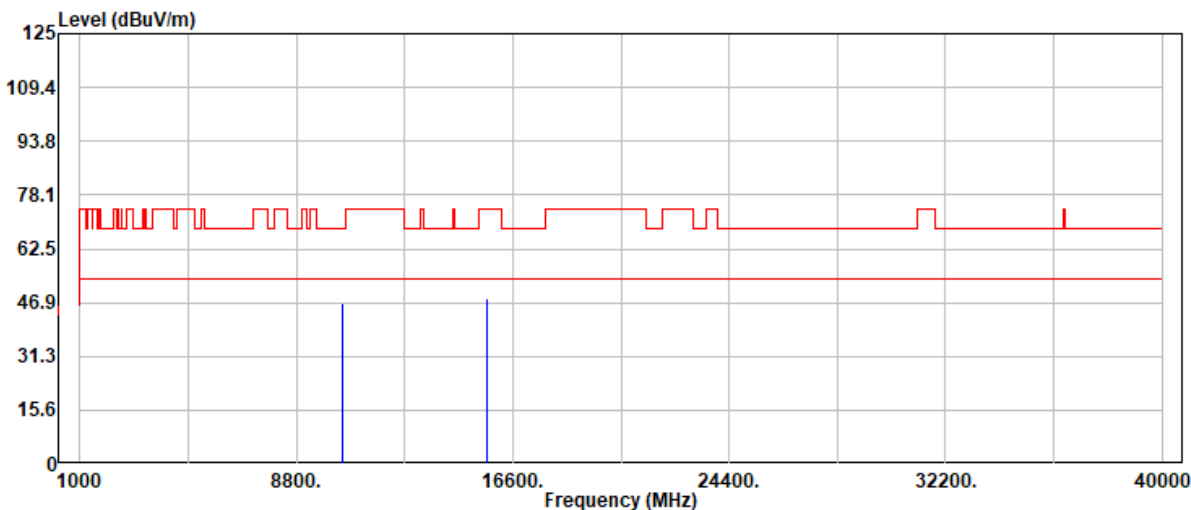
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10440.00	33.72	12.99	46.71	68.20	-21.49	Peak
15660.00	34.42	15.39	49.81	74.00	-24.19	Peak
15660.00	24.80	15.39	40.19	54.00	-13.81	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5220 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 16.5		



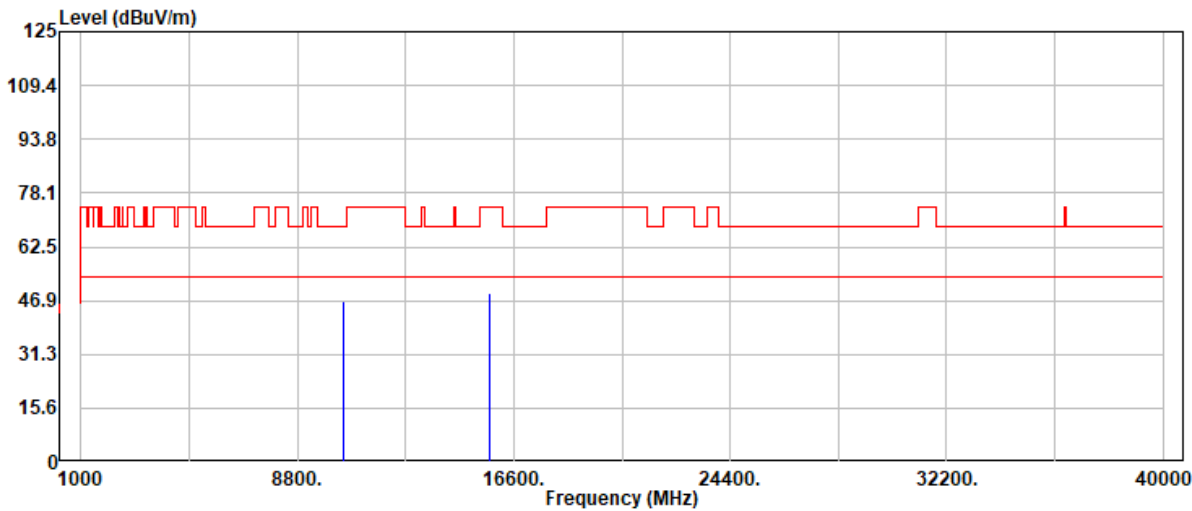
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10440.00	33.71	12.99	46.70	68.20	-21.50	Peak
15660.00	32.74	15.39	48.13	74.00	-25.87	Peak
15660.00	24.63	15.39	40.02	54.00	-13.98	Average



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Report No.: TMWK2503001053KR

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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: Vertical
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 16.5		



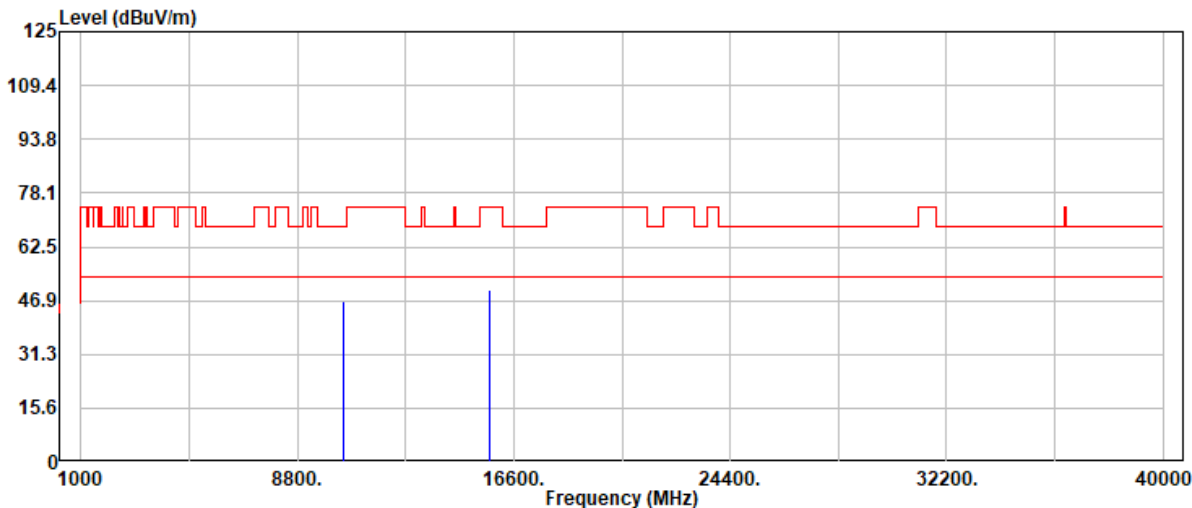
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10480.00	33.70	12.97	46.67	68.20	-21.53	Peak
15720.00	32.90	15.99	48.89	74.00	-25.11	Peak
15720.00	24.71	15.99	40.70	54.00	-13.30	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band1_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 16.5		



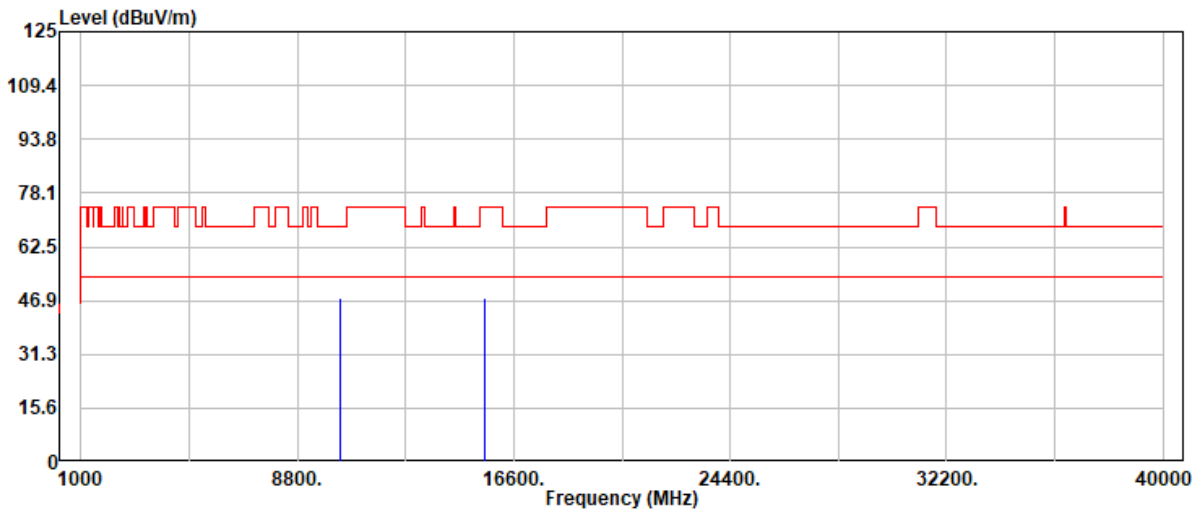
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10480.00	33.61	12.97	46.58	68.20	-21.62	Peak
15720.00	34.03	15.99	50.02	74.00	-23.98	Peak
15720.00	24.39	15.99	40.38	54.00	-13.62	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14.5		



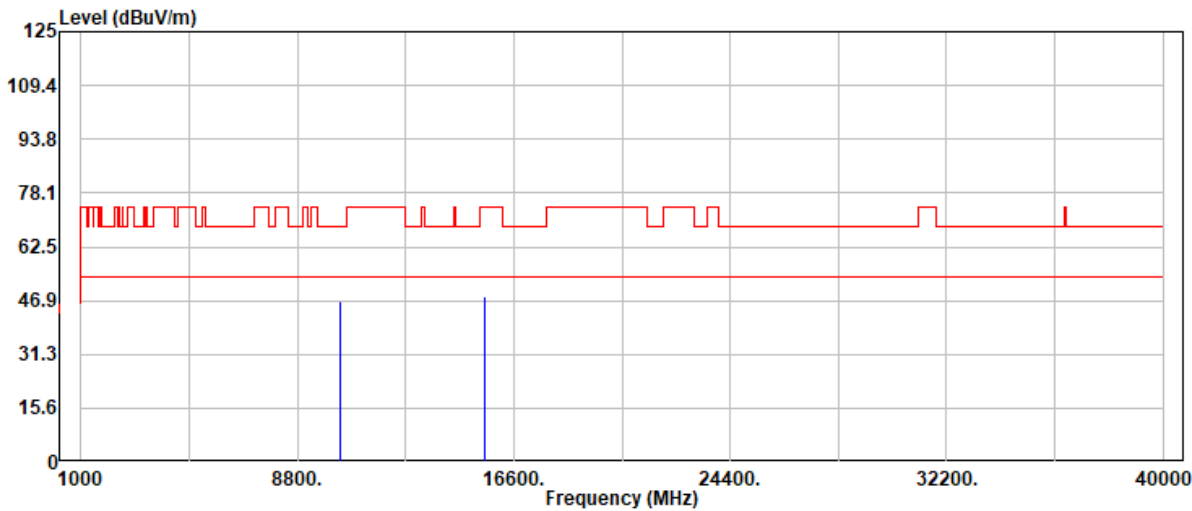
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10360.00	34.67	12.99	47.66	68.20	-20.54	Peak
15540.00	32.85	14.84	47.69	74.00	-26.31	Peak
15540.00	24.47	14.84	39.31	54.00	-14.69	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14.5		



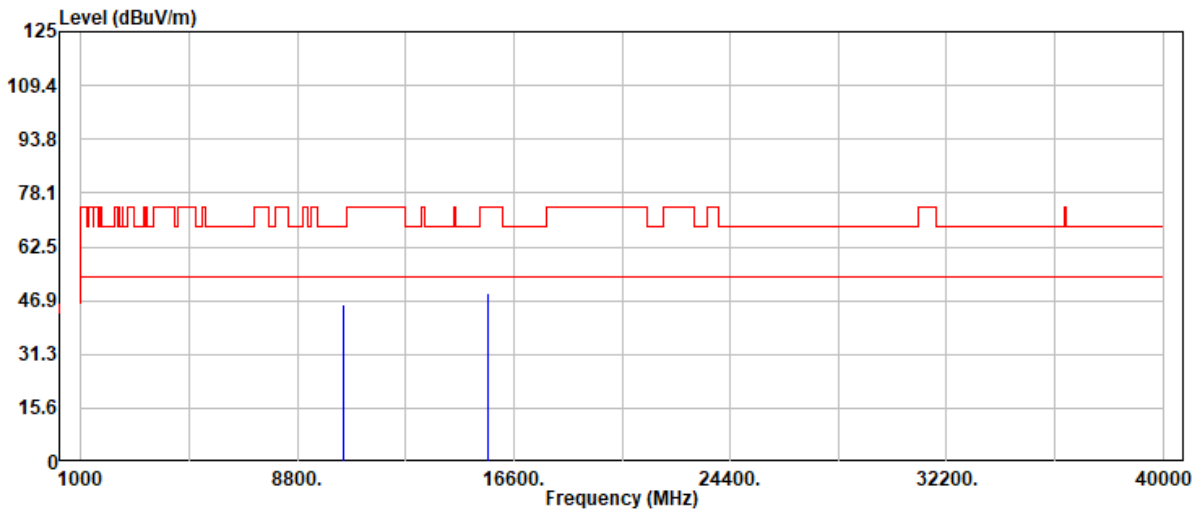
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10360.00	33.65	12.99	46.64	68.20	-21.56	Peak
15540.00	33.33	14.84	48.17	74.00	-25.83	Peak
15540.00	24.63	14.84	39.47	54.00	-14.53	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5220 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10440.00	32.94	12.99	45.93	68.20	-22.27	Peak
15660.00	33.51	15.39	48.90	74.00	-25.10	Peak
15660.00	24.79	15.39	40.18	54.00	-13.82	Average

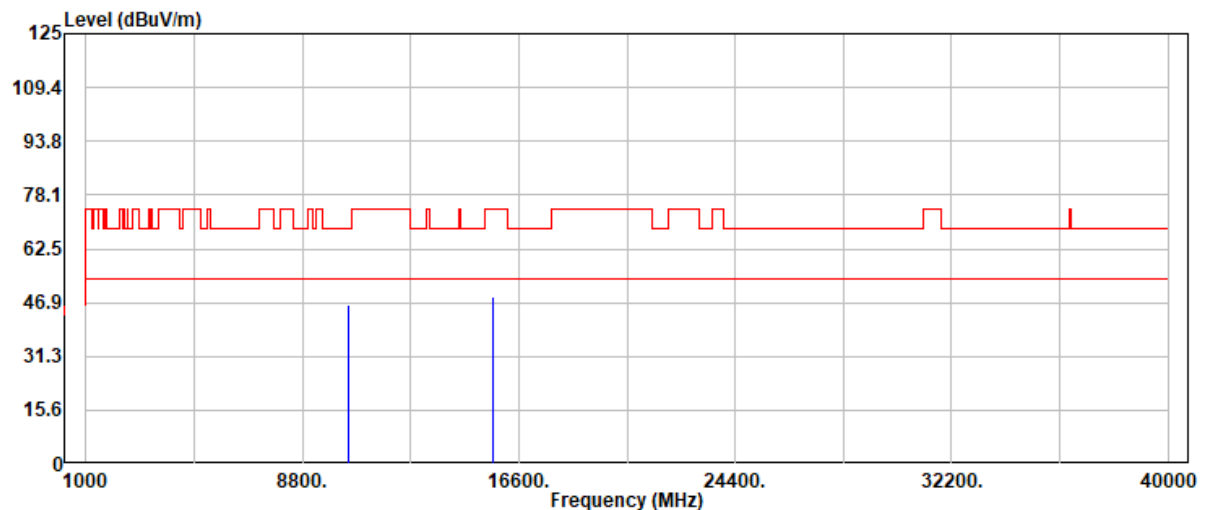


Project No: TM-2503000067P
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Project No : TM-2503000067P
Operation Band : 802.11n20_Band1
Frequency : 5220 MHz
Operation Mode : TX
EUT Pol : H
Setting : 14

Test Date : 2025-03-19
Temp./Humi. : 24.3/58
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



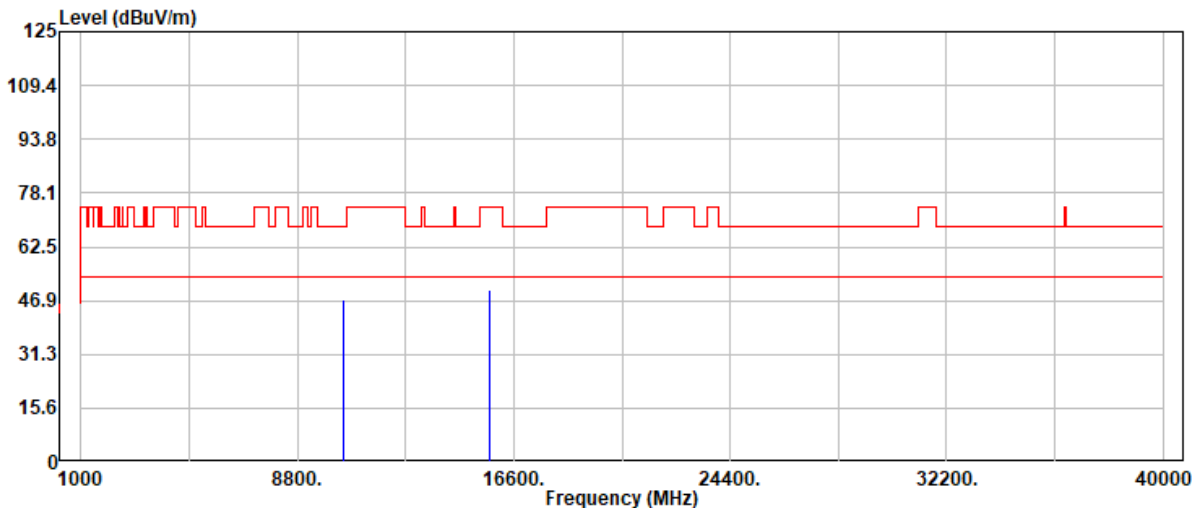
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10440.00	33.20	12.99	46.19	68.20	-22.01	Peak
15660.00	33.37	15.39	48.76	74.00	-25.24	Peak
15660.00	24.15	15.39	39.54	54.00	-14.46	Average



Project No: TM-2503000067P
Report No.: TMWK2503001053KR

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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



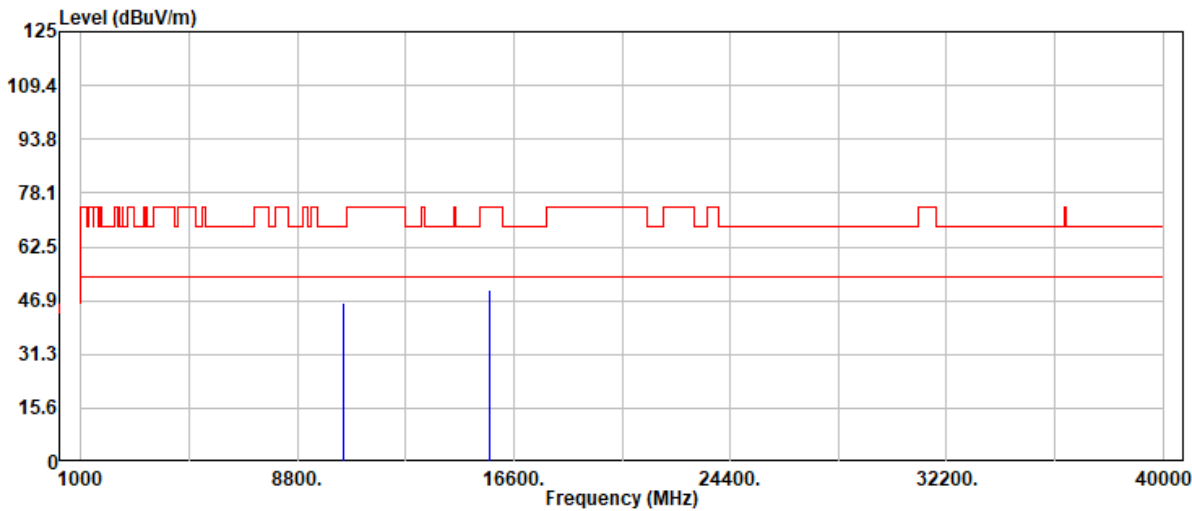
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10480.00	34.31	12.97	47.28	68.20	-20.92	Peak
15720.00	33.99	15.99	49.98	74.00	-24.02	Peak
15720.00	24.57	15.99	40.56	54.00	-13.44	Average



Project No: TM-2503000067P
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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



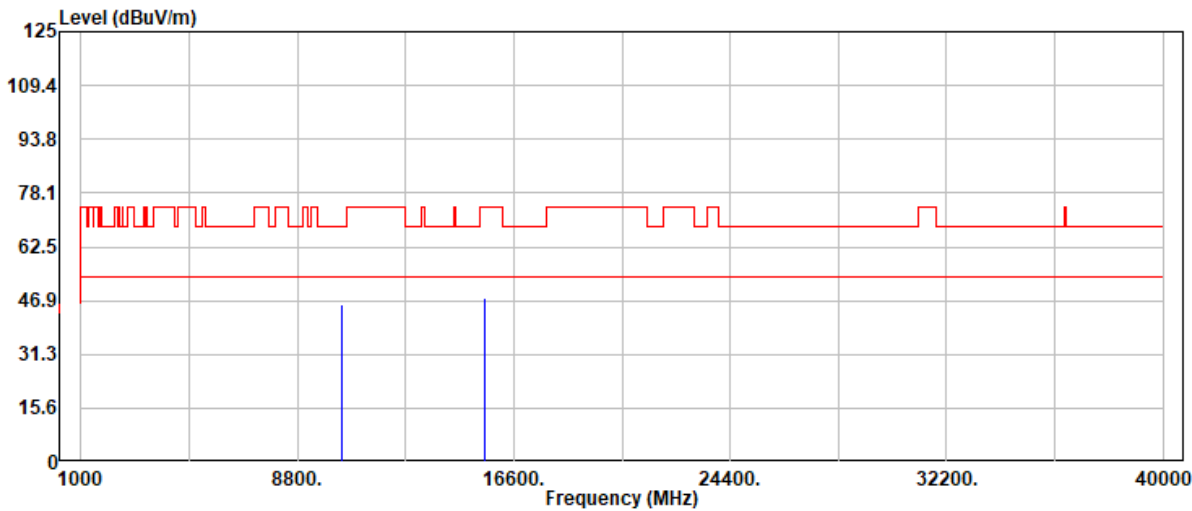
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10480.00	33.06	12.97	46.03	68.20	-22.17	Peak
15720.00	34.04	15.99	50.03	74.00	-23.97	Peak
15720.00	24.46	15.99	40.45	54.00	-13.55	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5190 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



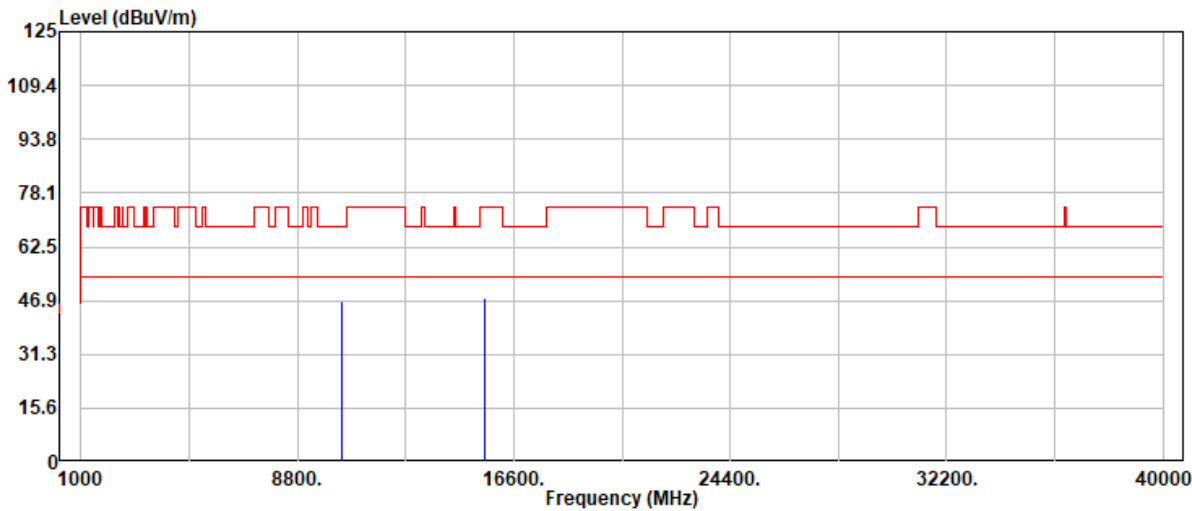
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10380.00	32.95	12.95	45.90	68.20	-22.30	Peak
15570.00	33.00	14.87	47.87	74.00	-26.13	Peak
15570.00	24.78	14.87	39.65	54.00	-14.35	Average



Project No: TM-2503000067P
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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5190 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



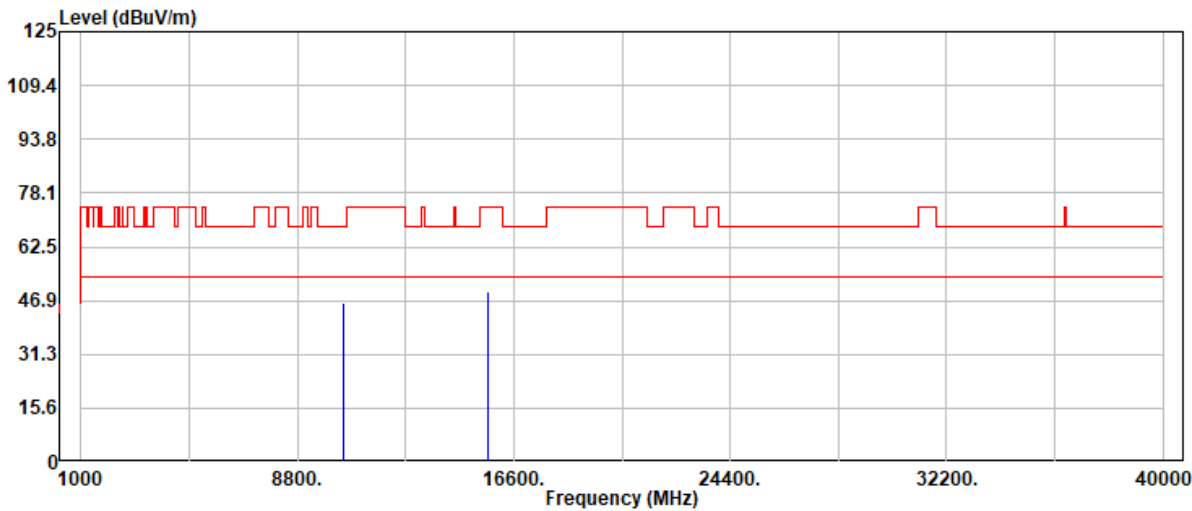
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10380.00	33.56	12.95	46.51	68.20	-21.69	Peak
15570.00	32.96	14.87	47.83	74.00	-26.17	Peak
15570.00	24.60	14.87	39.47	54.00	-14.53	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5230 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13		



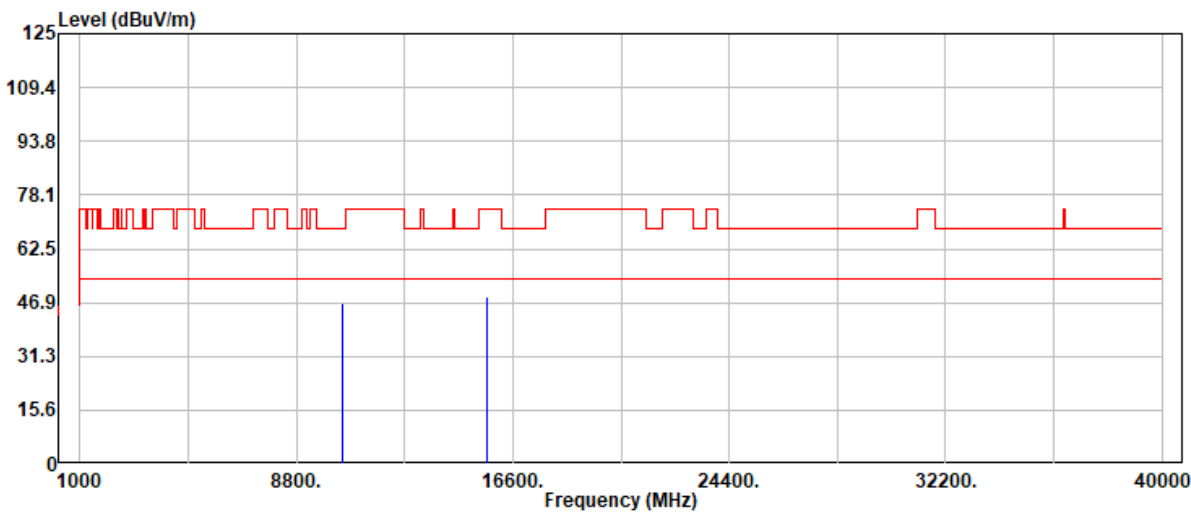
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10460.00	33.25	12.99	46.24	68.20	-21.96	Peak
15690.00	33.66	15.74	49.40	74.00	-24.60	Peak
15690.00	24.51	15.74	40.25	54.00	-13.75	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11n40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5230 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13		



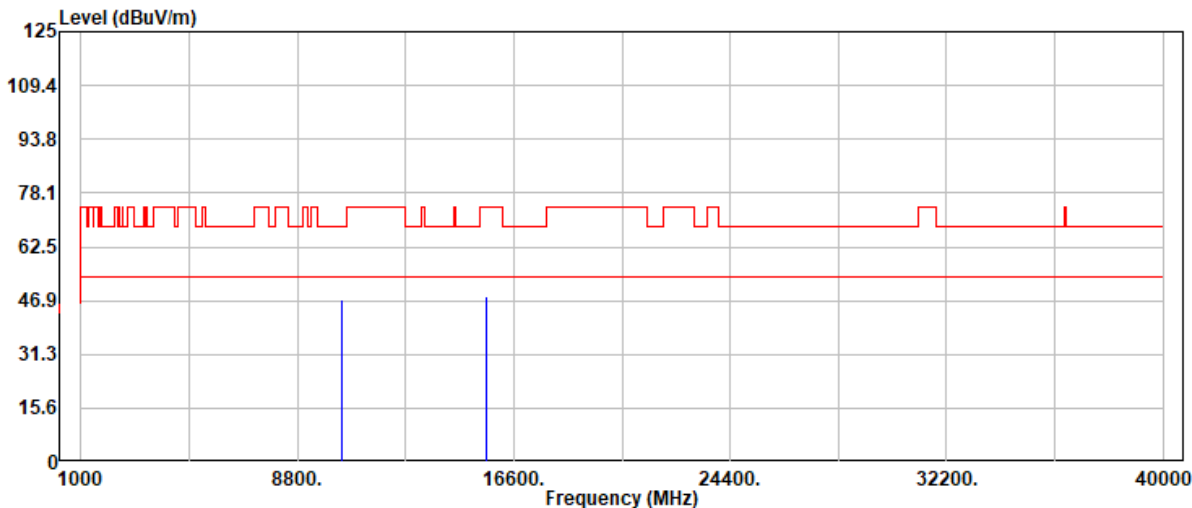
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10460.00	33.69	12.99	46.68	68.20	-21.52	Peak
15690.00	32.71	15.74	48.45	74.00	-25.55	Peak
15690.00	24.69	15.74	40.43	54.00	-13.57	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ac80_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5210 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



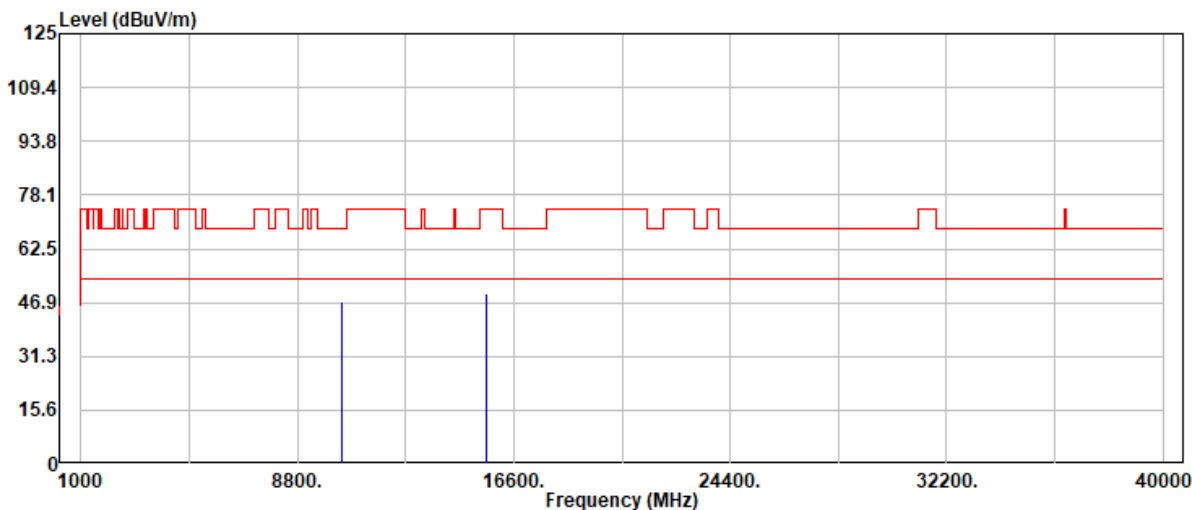
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10420.00	34.06	12.95	47.01	68.20	-21.19	Peak
15630.00	33.04	15.15	48.19	74.00	-25.81	Peak
15630.00	25.10	15.15	40.25	54.00	-13.75	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ac80_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5210 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



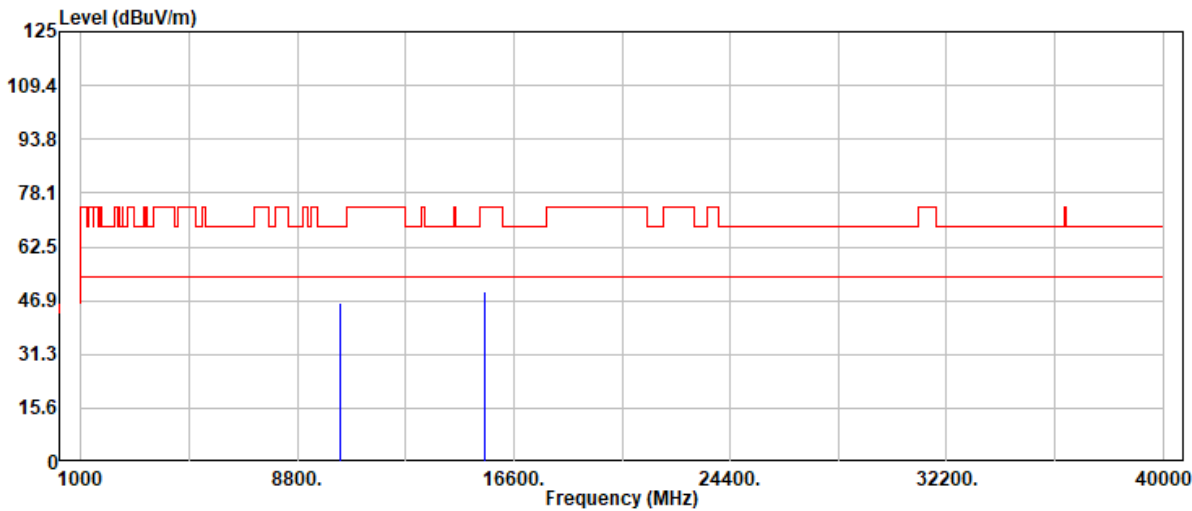
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10420.00	34.45	12.95	47.40	68.20	-20.80	Peak
15630.00	34.28	15.15	49.43	74.00	-24.57	Peak
15630.00	24.78	15.15	39.93	54.00	-14.07	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14.5		



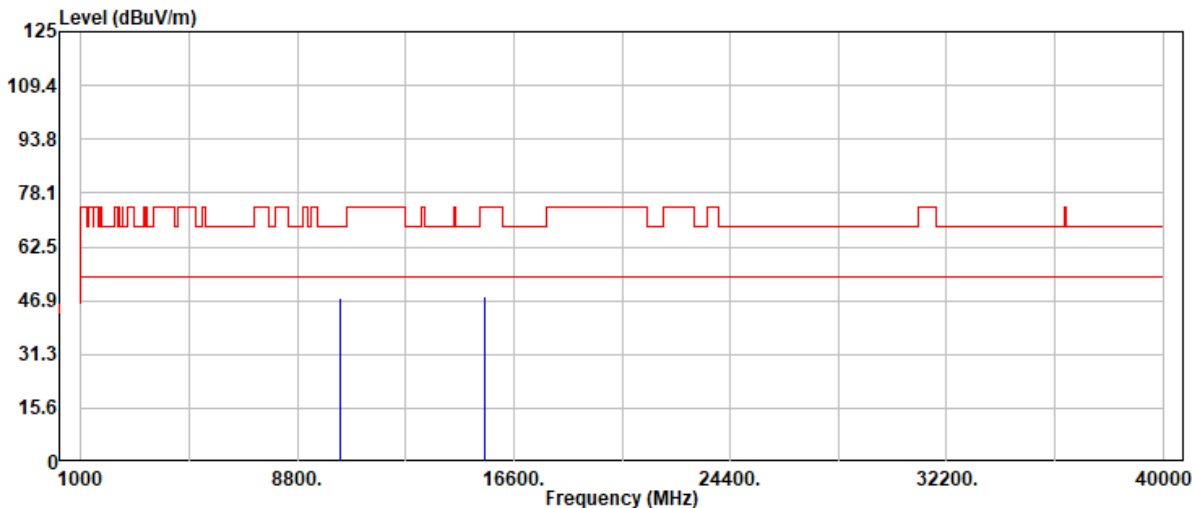
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10360.00	33.10	12.99	46.09	68.20	-22.11	Peak
15540.00	34.91	14.84	49.75	74.00	-24.25	Peak
15540.00	24.38	14.84	39.22	54.00	-14.78	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5180 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14.5		



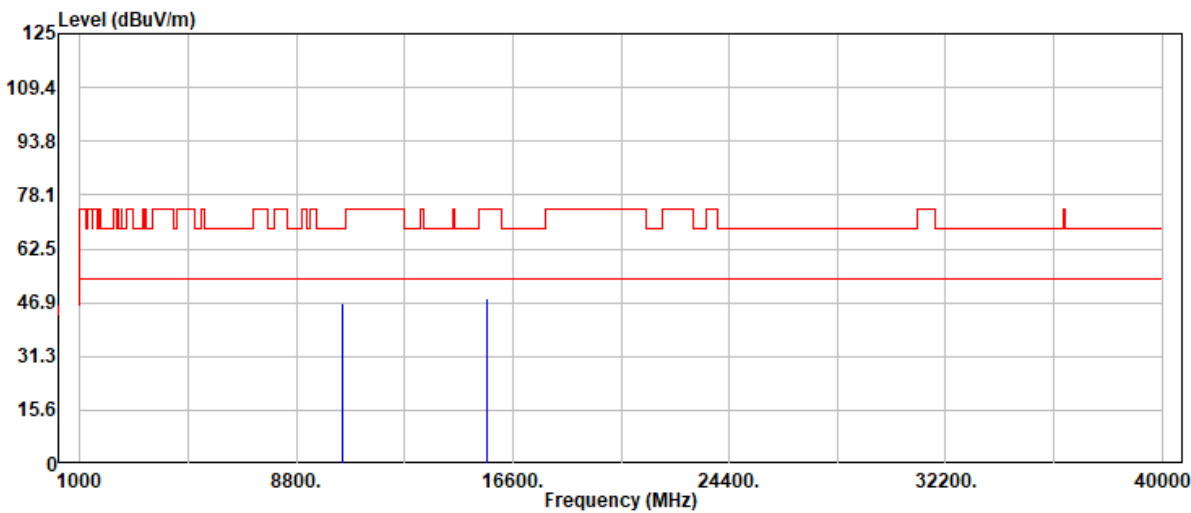
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10360.00	34.64	12.99	47.63	68.20	-20.57	Peak
15540.00	33.41	14.84	48.25	74.00	-25.75	Peak
15540.00	24.16	14.84	39.00	54.00	-15.00	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5220 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



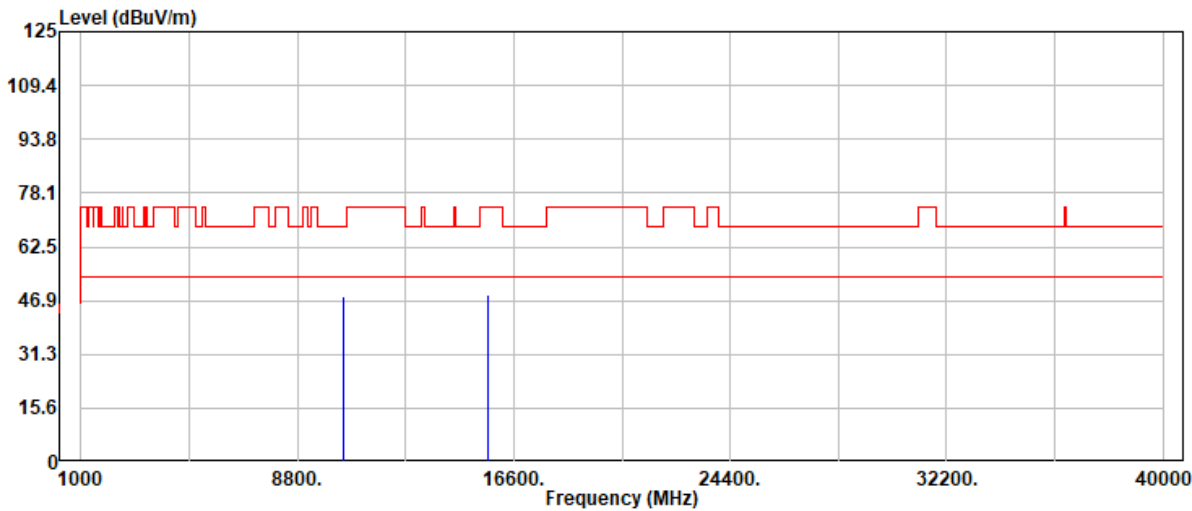
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10440.00	33.75	12.99	46.74	68.20	-21.46	Peak
15660.00	32.70	15.39	48.09	74.00	-25.91	Peak
15660.00	24.39	15.39	39.78	54.00	-14.22	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5220 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



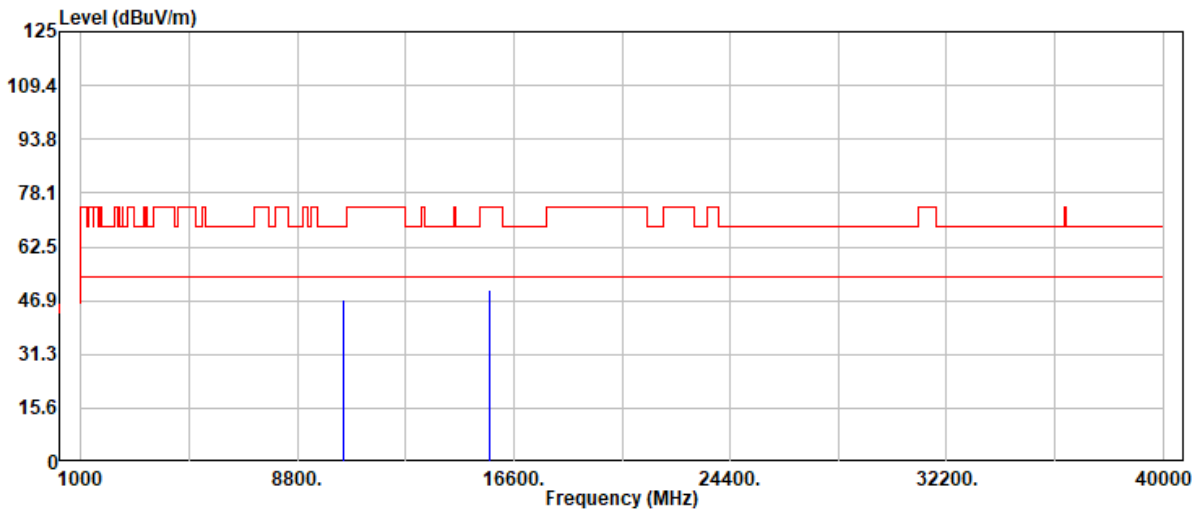
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10440.00	34.98	12.99	47.97	68.20	-20.23	Peak
15660.00	33.34	15.39	48.73	74.00	-25.27	Peak
15660.00	24.70	15.39	40.09	54.00	-13.91	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



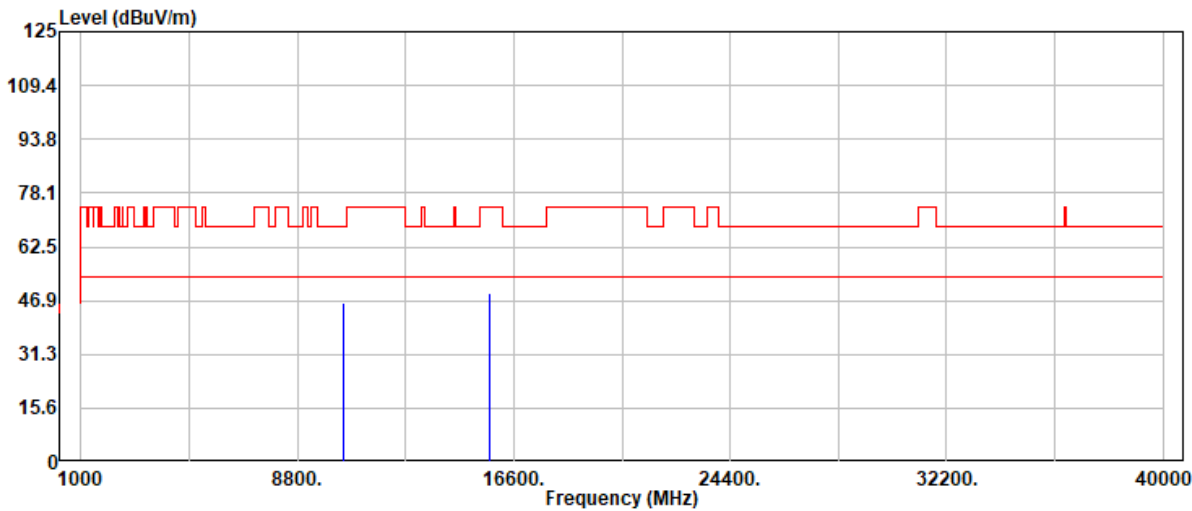
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10480.00	34.27	12.97	47.24	68.20	-20.96	Peak
15720.00	34.21	15.99	50.20	74.00	-23.80	Peak
15720.00	24.53	15.99	40.52	54.00	-13.48	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax20_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5240 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



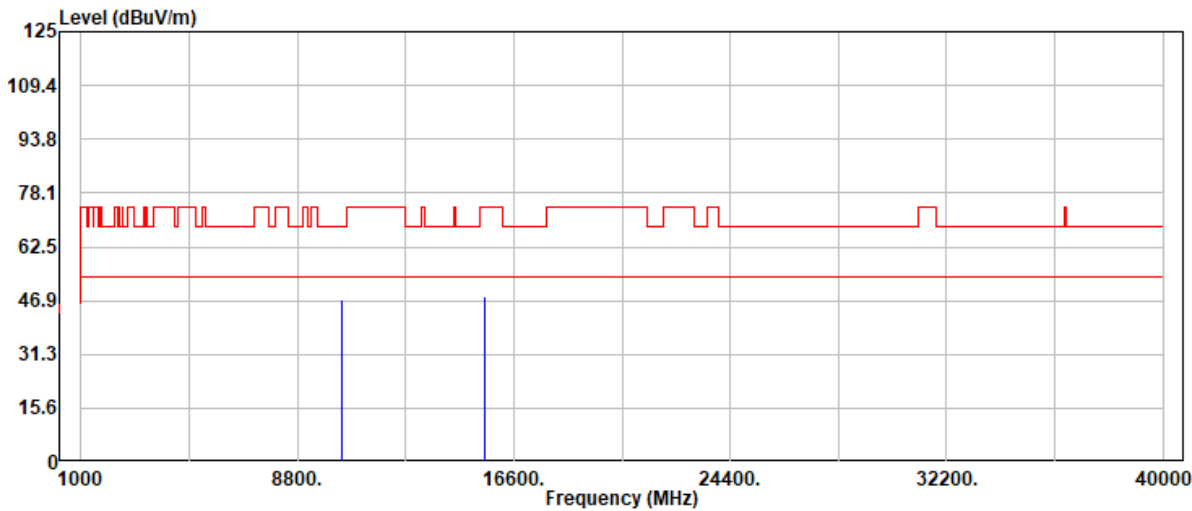
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10480.00	33.18	12.97	46.15	68.20	-22.05	Peak
15720.00	33.19	15.99	49.18	74.00	-24.82	Peak
15720.00	24.88	15.99	40.87	54.00	-13.13	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5190 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



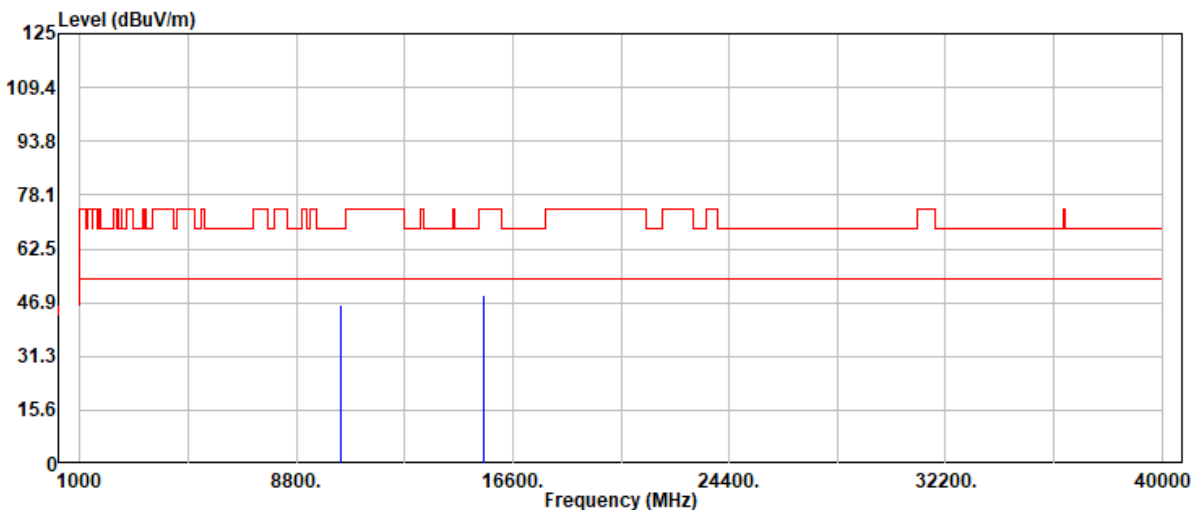
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10380.00	34.34	12.95	47.29	68.20	-20.91	Peak
15570.00	33.42	14.87	48.29	74.00	-25.71	Peak
15570.00	24.16	14.87	39.03	54.00	-14.97	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5190 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14		



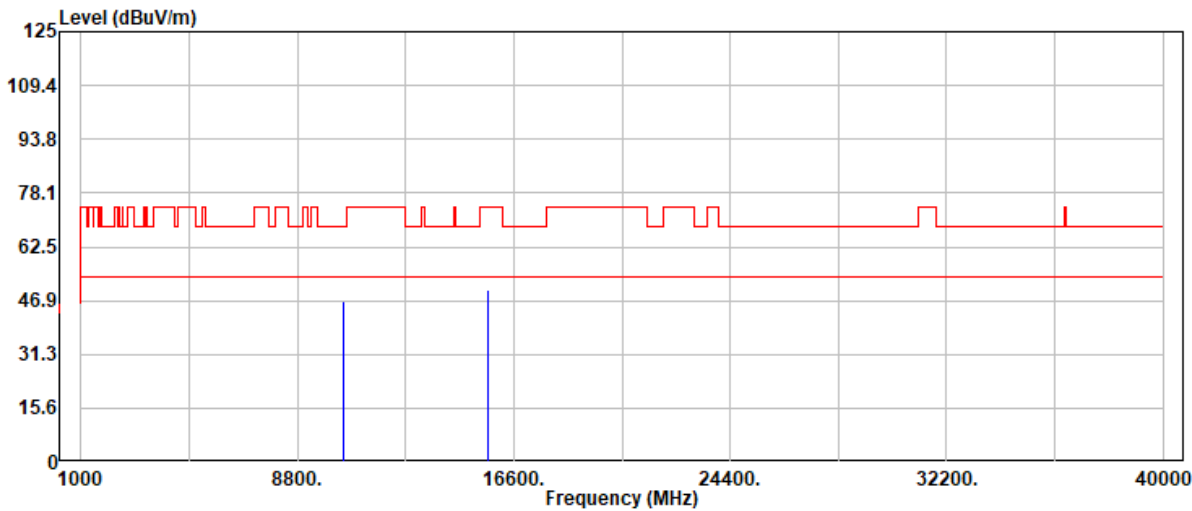
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10380.00	33.49	12.95	46.44	68.20	-21.76	Peak
15570.00	34.09	14.87	48.96	74.00	-25.04	Peak
15570.00	24.67	14.87	39.54	54.00	-14.46	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5230 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



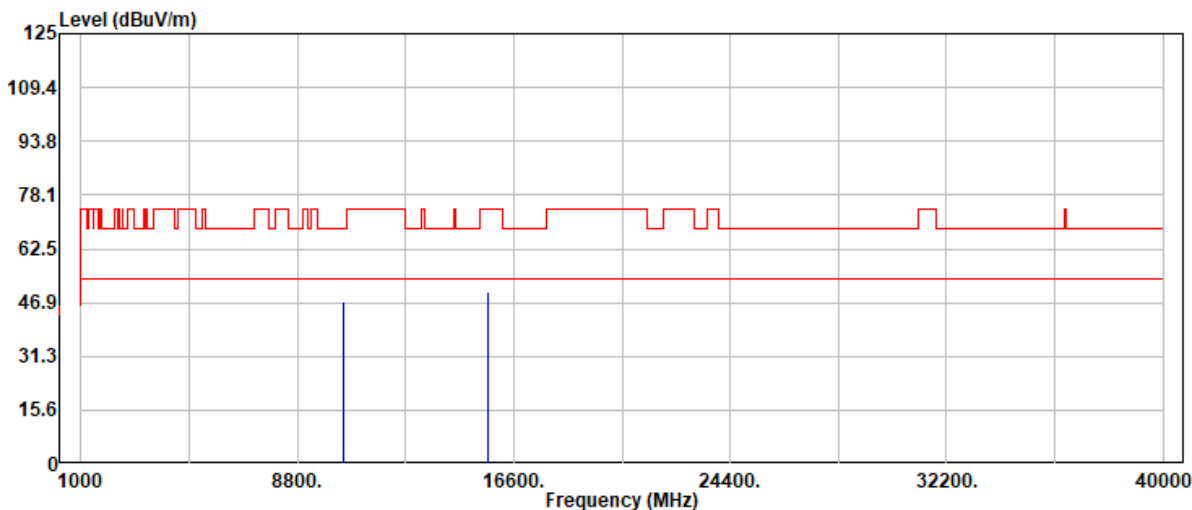
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10460.00	33.93	12.99	46.92	68.20	-21.28	Peak
15690.00	34.23	15.74	49.97	74.00	-24.03	Peak
15690.00	24.63	15.74	40.37	54.00	-13.63	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax40_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5230 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



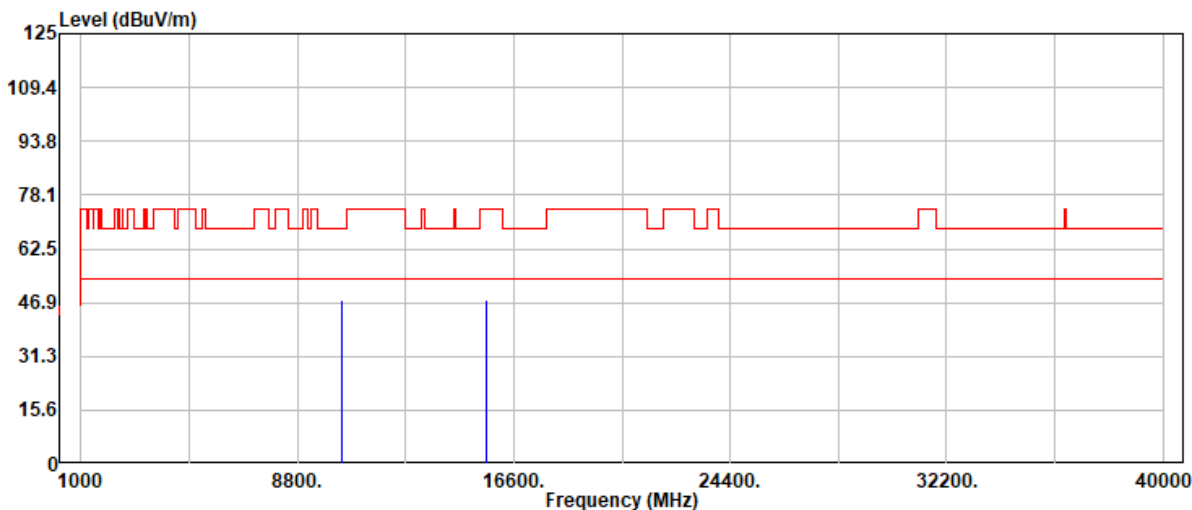
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10460.00	34.10	12.99	47.09	68.20	-21.11	Peak
15690.00	34.44	15.74	50.18	74.00	-23.82	Peak
15690.00	24.78	15.74	40.52	54.00	-13.48	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax80_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5210 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



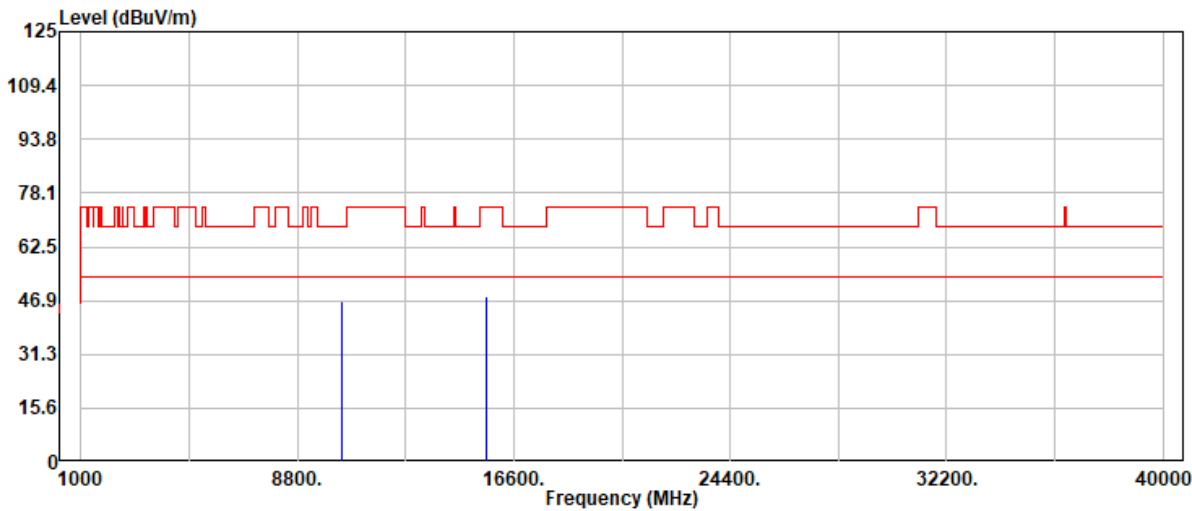
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10420.00	34.67	12.95	47.62	68.20	-20.58	Peak
15630.00	32.44	15.15	47.59	74.00	-26.41	Peak
15630.00	24.68	15.15	39.83	54.00	-14.17	Average



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax80_Band1	Temp./Humi.	: 24.3/58
Frequency	: 5210 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 13.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10420.00	33.63	12.95	46.58	68.20	-21.62	Peak
15630.00	32.96	15.15	48.11	74.00	-25.89	Peak
15630.00	25.43	15.15	40.58	54.00	-13.42	Average

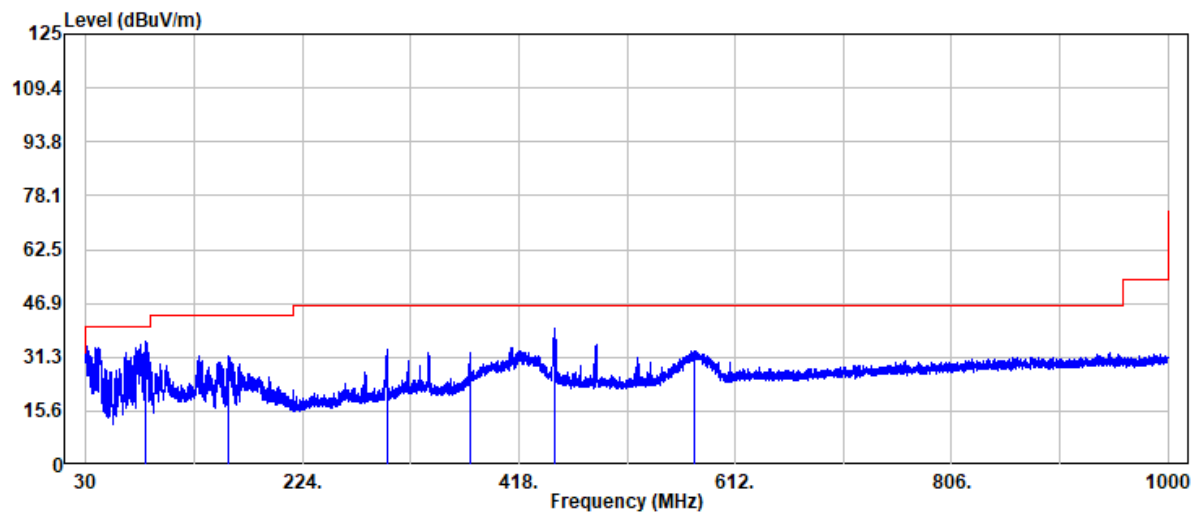


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Project No : TM-2503000067P
Operation Band : 802.11ax20_Band4
Frequency : 5825 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
83.60	52.24	-16.55	35.69	40.00	-4.31	Peak
158.20	42.56	-11.13	31.43	43.50	-12.07	Peak
299.90	43.09	-9.39	33.70	46.00	-12.30	Peak
374.90	40.26	-7.71	32.55	46.00	-13.45	Peak
450.10	45.05	-5.37	39.68	46.00	-6.32	Peak
575.40	36.31	-3.25	33.06	46.00	-12.94	Peak

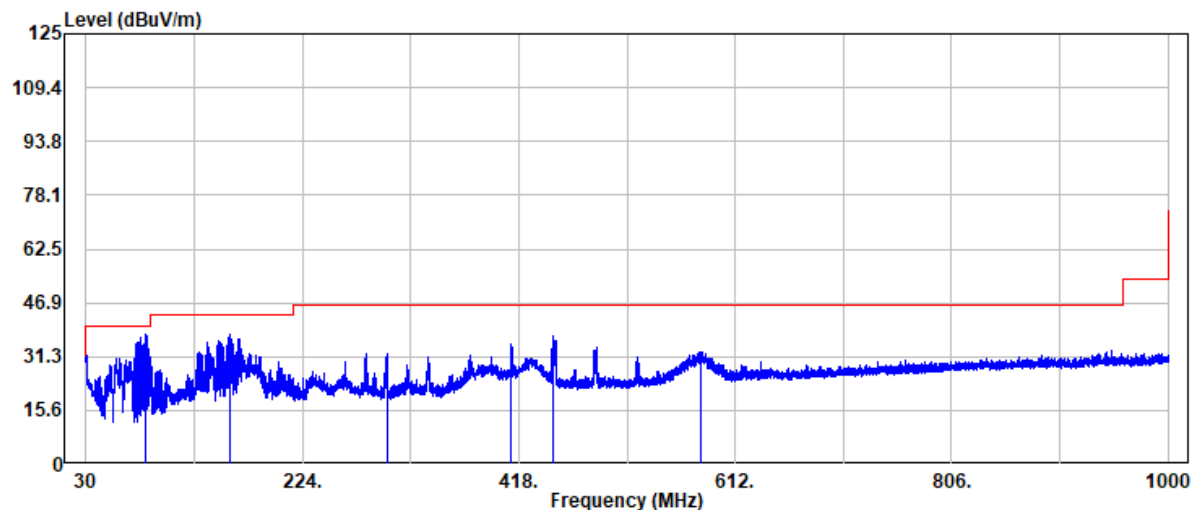


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Project No : TM-2503000067P
Operation Band : 802.11ax20_Band4
Frequency : 5825 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



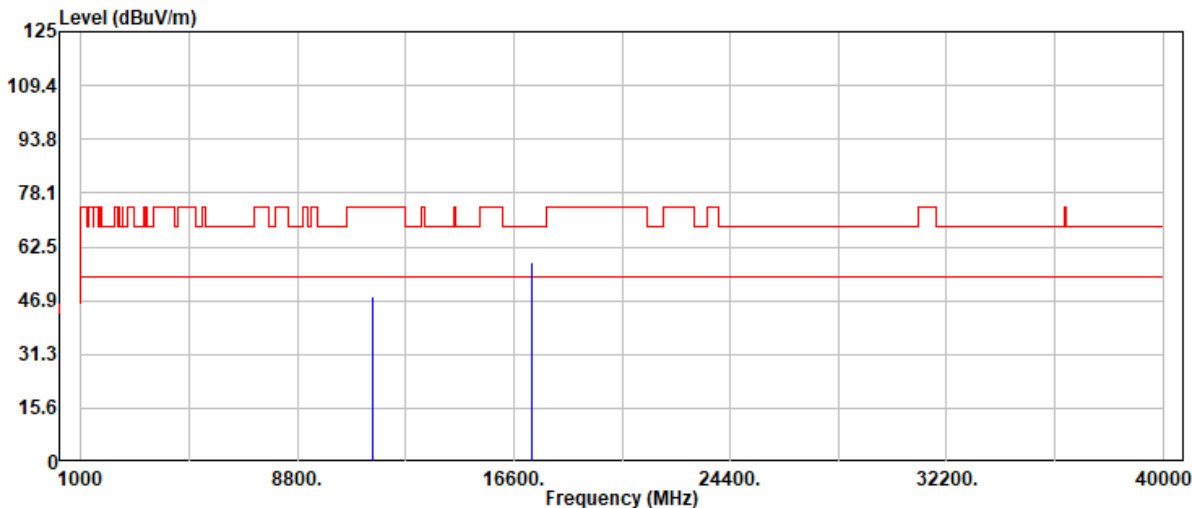
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
83.80	54.44	-16.55	37.89	40.00	-2.11	Peak
158.50	48.80	-11.13	37.67	43.50	-5.83	Peak
300.20	41.42	-9.39	32.03	46.00	-13.97	Peak
411.00	41.38	-6.40	34.98	46.00	-11.02	Peak
448.90	42.70	-5.38	37.32	46.00	-8.68	Peak
581.50	35.77	-3.26	32.51	46.00	-13.49	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band4_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5745 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



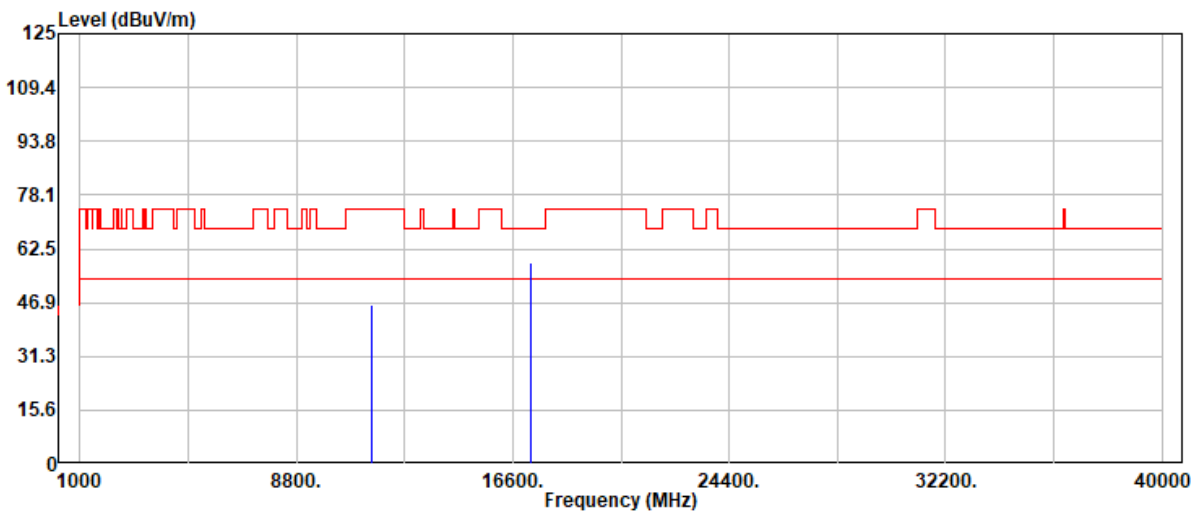
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	34.73	13.59	48.32	74.00	-25.68	Peak
11490.00	25.52	13.59	39.11	54.00	-14.89	Average
17235.00	32.13	26.04	58.17	68.20	-10.03	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band4_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5745 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



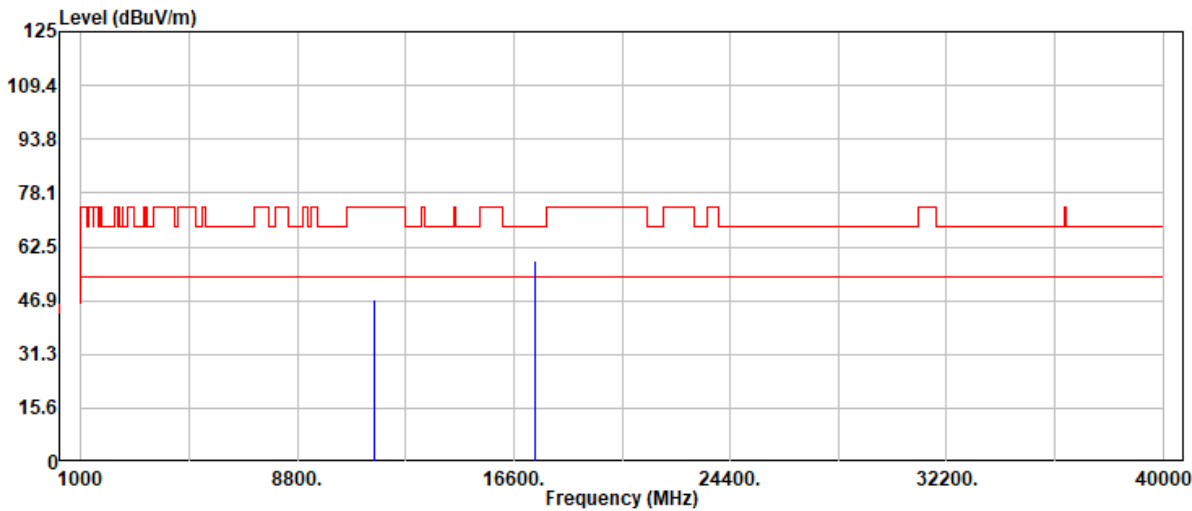
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	32.43	13.59	46.02	74.00	-27.98	Peak
11490.00	25.63	13.59	39.22	54.00	-14.78	Average
17235.00	32.58	26.04	58.62	68.20	-9.58	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band4_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5785 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 23.5		



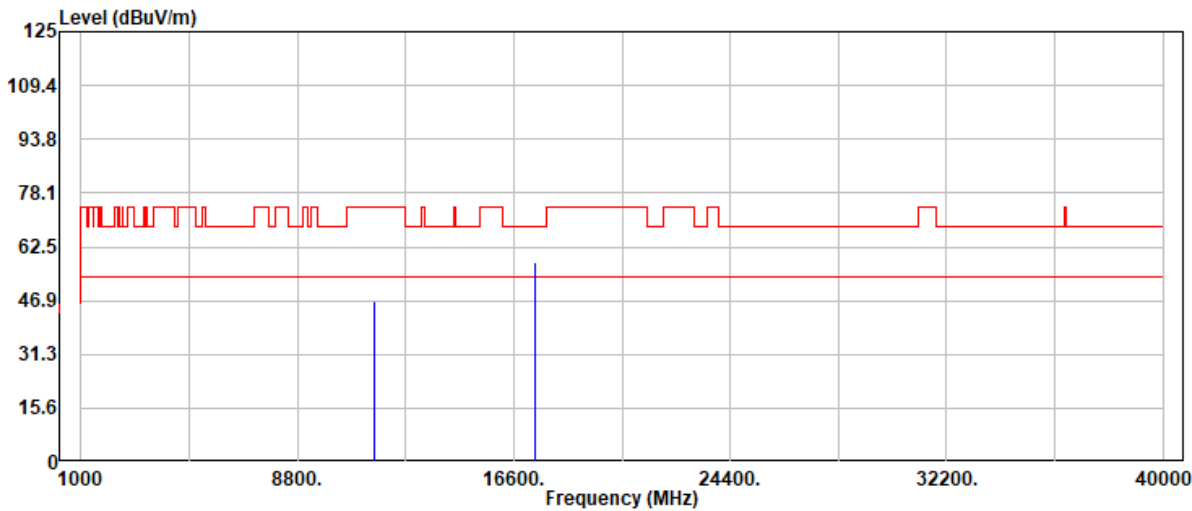
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	33.19	13.80	46.99	74.00	-27.01	Peak
11570.00	25.71	13.80	39.51	54.00	-14.49	Average
17355.00	32.25	26.22	58.47	68.20	-9.73	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band4_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5785 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 23.5		



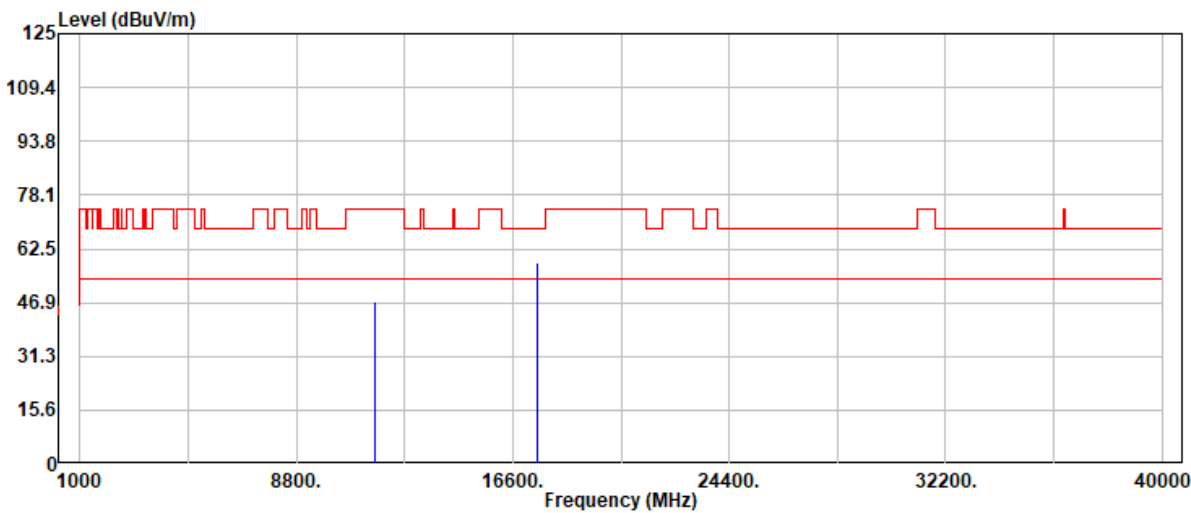
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	33.09	13.80	46.89	74.00	-27.11	Peak
11570.00	25.17	13.80	38.97	54.00	-15.03	Average
17355.00	32.03	26.22	58.25	68.20	-9.95	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band4_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5825 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 23.5		



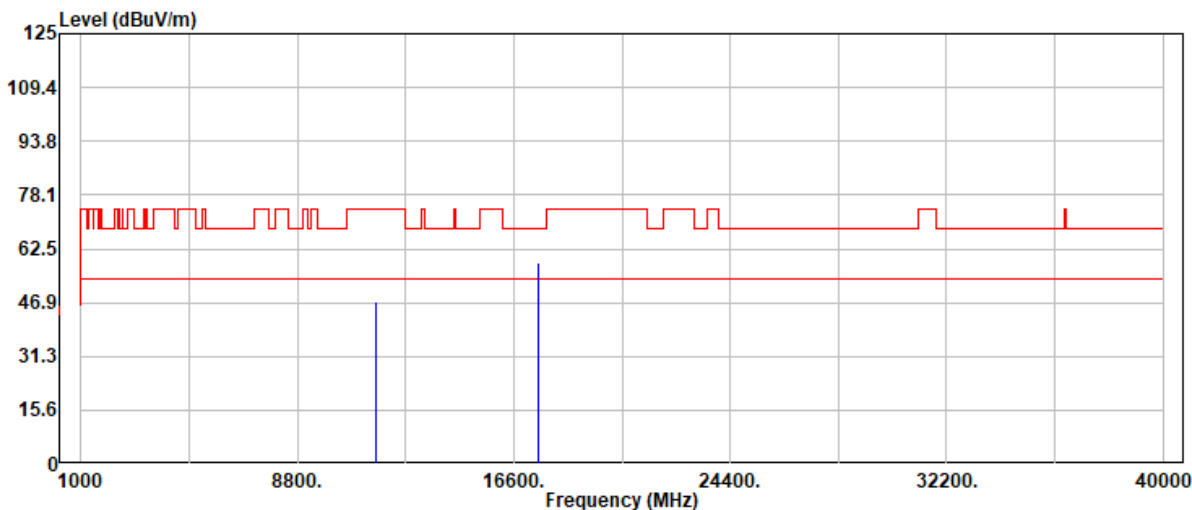
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	33.61	13.54	47.15	74.00	-26.85	Peak
11650.00	25.67	13.54	39.21	54.00	-14.79	Average
17475.00	32.51	25.86	58.37	68.20	-9.83	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11a_Band4_Ch0	Temp./Humi.	: 24.3/58
Frequency	: 5825 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: H	Test Chamber	: 966A
Setting	: 23.5		



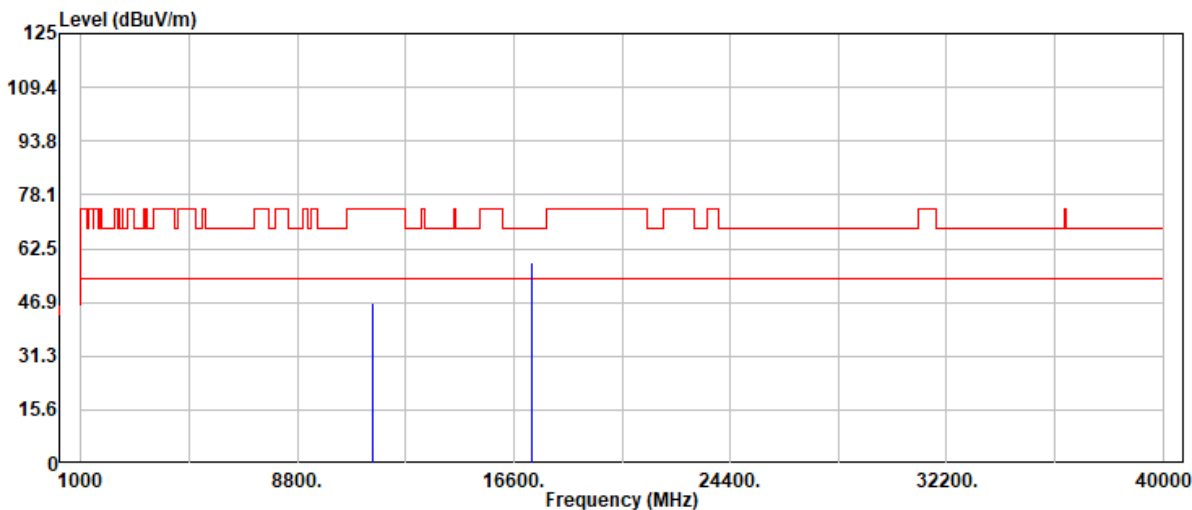
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	33.73	13.54	47.27	74.00	-26.73	Peak
11650.00	25.76	13.54	39.30	54.00	-14.70	Average
17475.00	32.63	25.86	58.49	68.20	-9.71	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5745 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	33.22	13.59	46.81	74.00	-27.19	Peak
11490.00	25.51	13.59	39.10	54.00	-14.90	Average
17235.00	32.51	26.04	58.55	68.20	-9.65	Peak

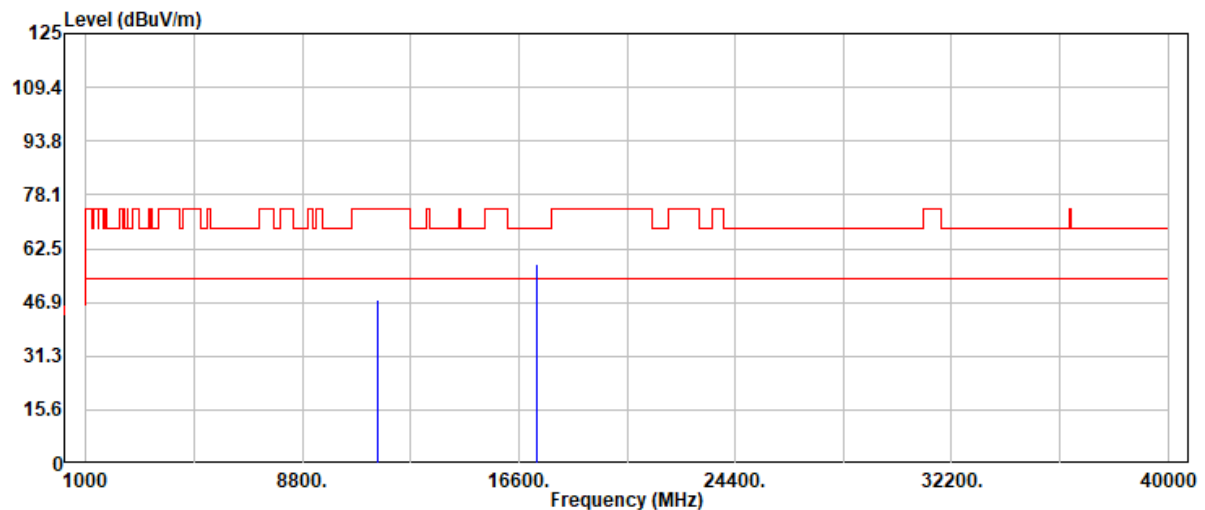


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Project No : TM-2503000067P
Operation Band : 802.11n20_Band4
Frequency : 5745 MHz
Operation Mode : TX
EUT Pol : H
Setting : 18

Test Date : 2025-03-26
Temp./Humi. : 24.7/56
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



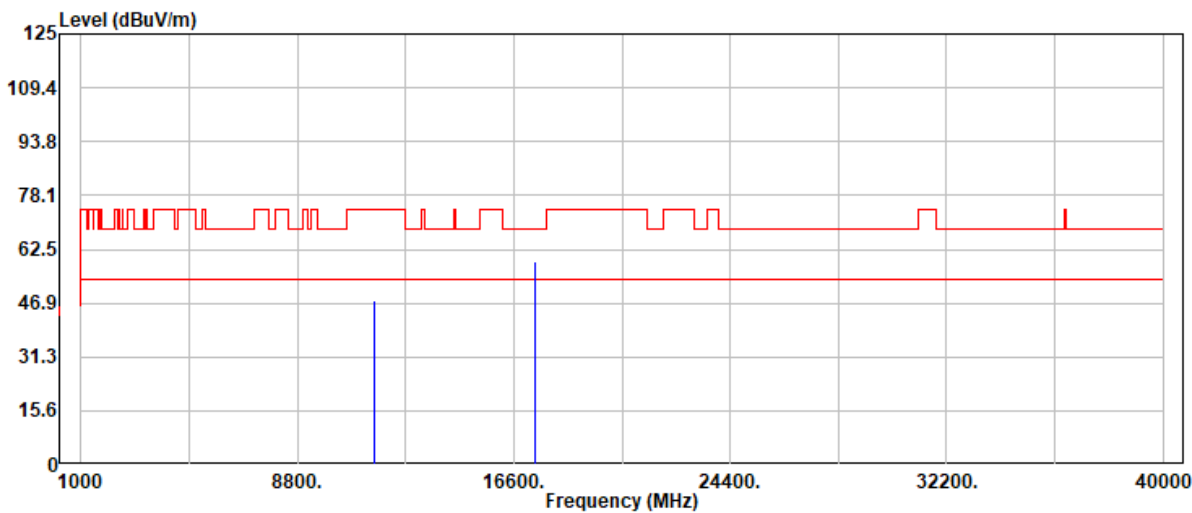
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	34.09	13.59	47.68	74.00	-26.32	Peak
11490.00	25.62	13.59	39.21	54.00	-14.79	Average
17235.00	31.99	26.04	58.03	68.20	-10.17	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5785 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



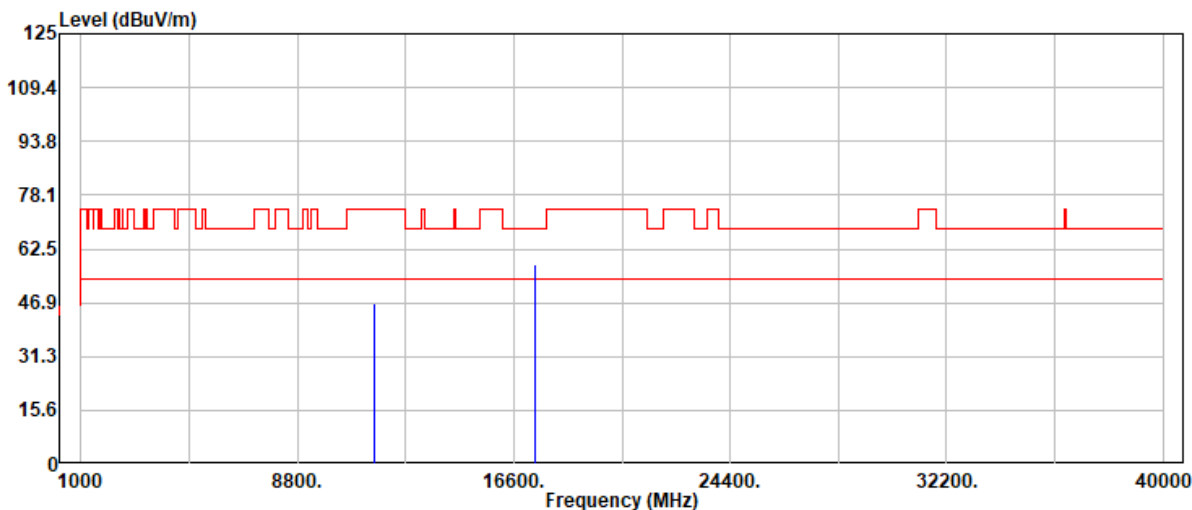
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	34.02	13.80	47.82	74.00	-26.18	Peak
11570.00	25.47	13.80	39.27	54.00	-14.73	Average
17355.00	32.76	26.22	58.98	68.20	-9.22	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5785 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



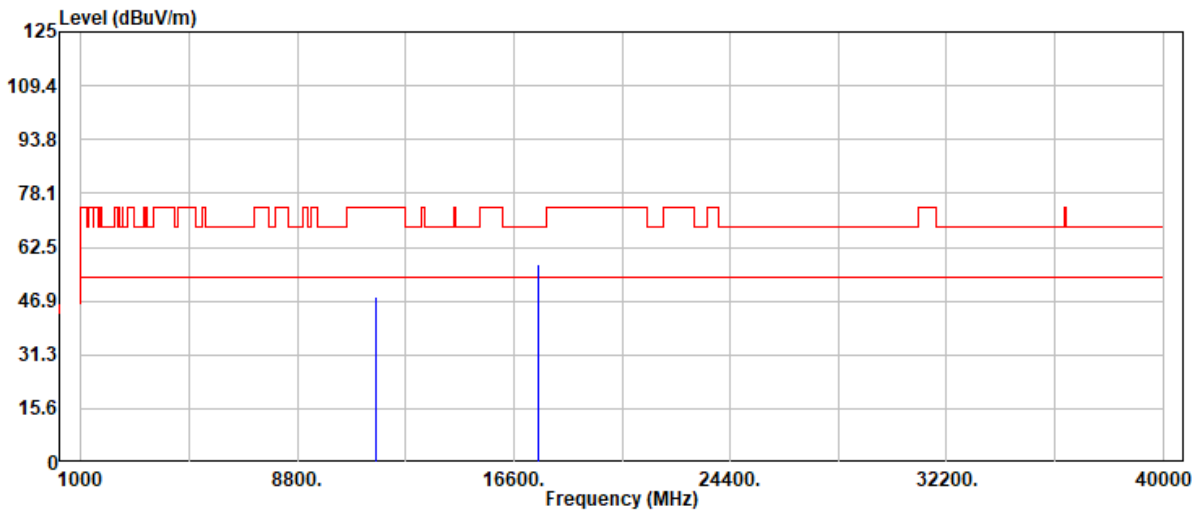
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	33.03	13.80	46.83	74.00	-27.17	Peak
11570.00	25.53	13.80	39.33	54.00	-14.67	Average
17355.00	31.85	26.22	58.07	68.20	-10.13	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5825 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



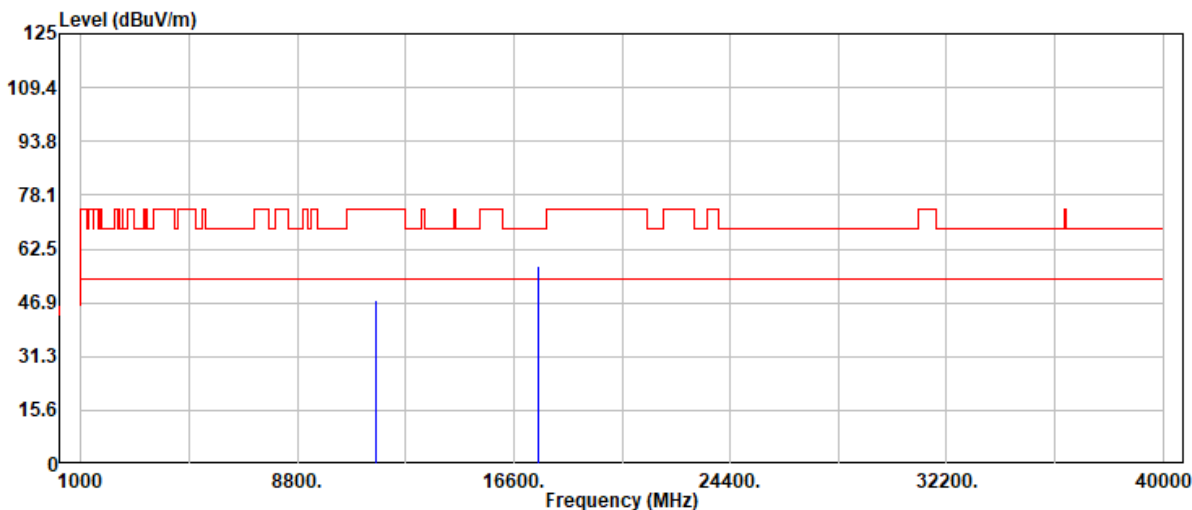
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	34.72	13.54	48.26	74.00	-25.74	Peak
11650.00	25.79	13.54	39.33	54.00	-14.67	Average
17475.00	31.65	25.86	57.51	68.20	-10.69	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5825 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



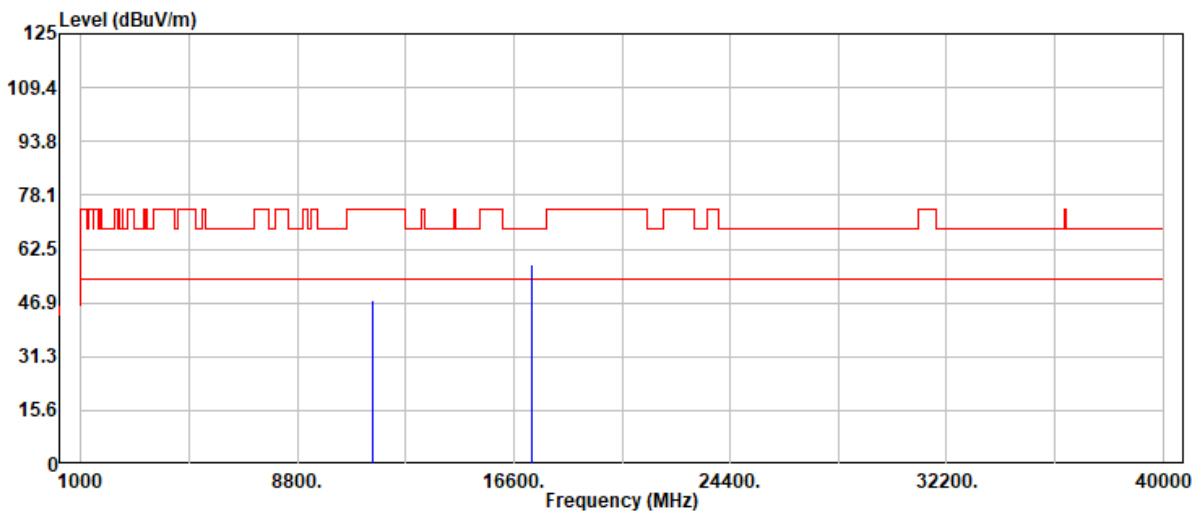
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	34.25	13.54	47.79	74.00	-26.21	Peak
11650.00	25.66	13.54	39.20	54.00	-14.80	Average
17475.00	31.90	25.86	57.76	68.20	-10.44	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5755 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17		



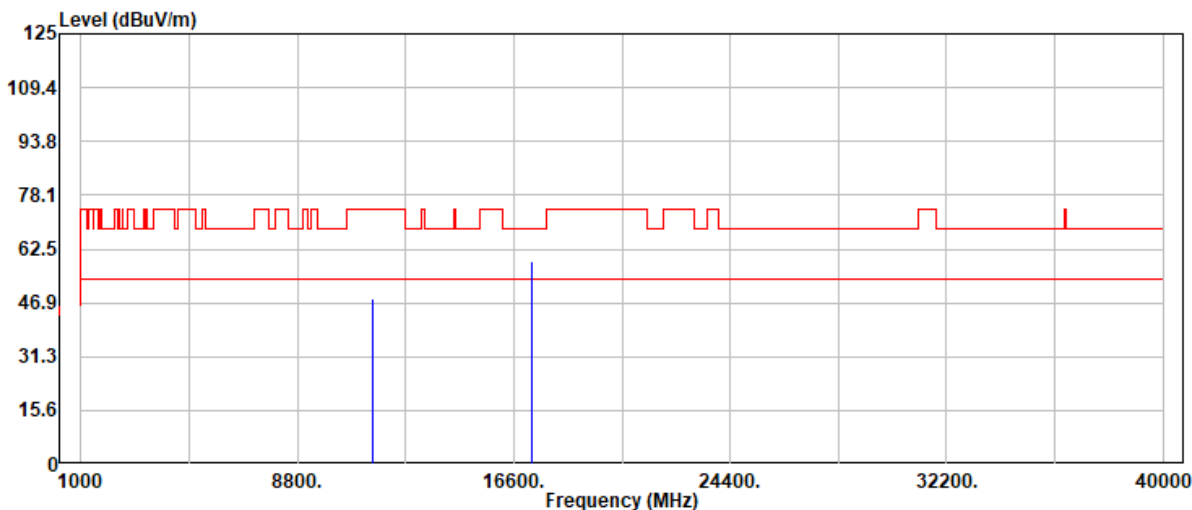
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	33.89	13.60	47.49	74.00	-26.51	Peak
11510.00	25.51	13.60	39.11	54.00	-14.89	Average
17265.00	31.98	26.21	58.19	68.20	-10.01	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5755 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17		



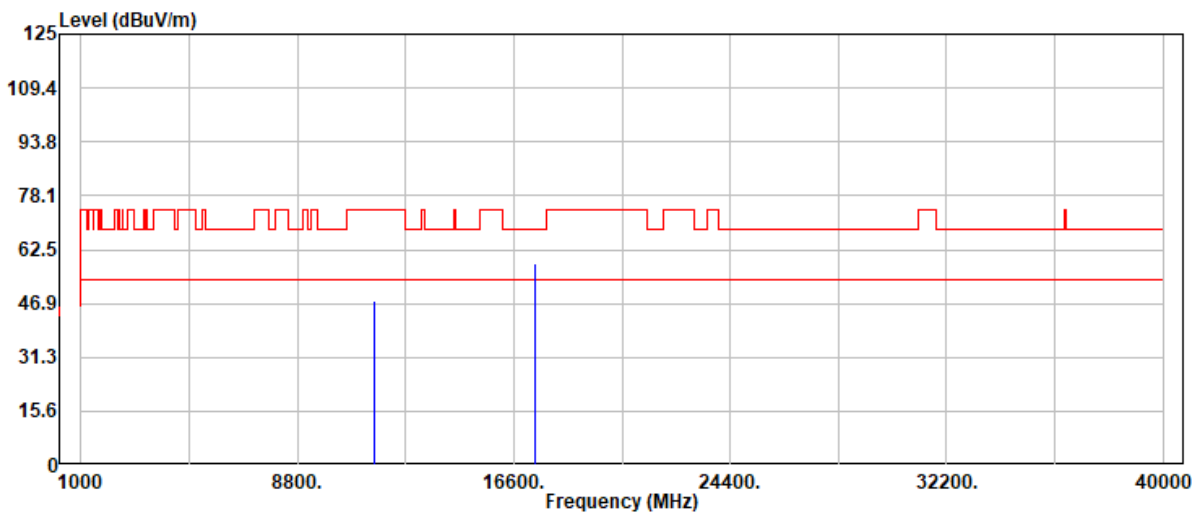
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	34.28	13.60	47.88	74.00	-26.12	Peak
11510.00	25.74	13.60	39.34	54.00	-14.66	Average
17265.00	32.53	26.21	58.74	68.20	-9.46	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5795 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17		



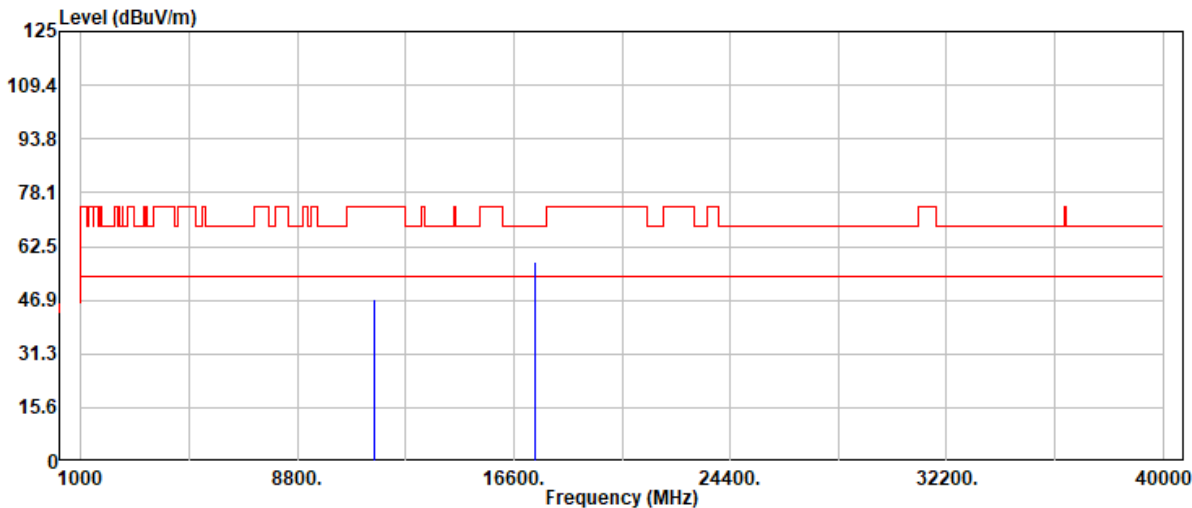
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	33.87	13.85	47.72	74.00	-26.28	Peak
11590.00	25.40	13.85	39.25	54.00	-14.75	Average
17385.00	32.11	26.23	58.34	68.20	-9.86	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11n40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5795 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17		



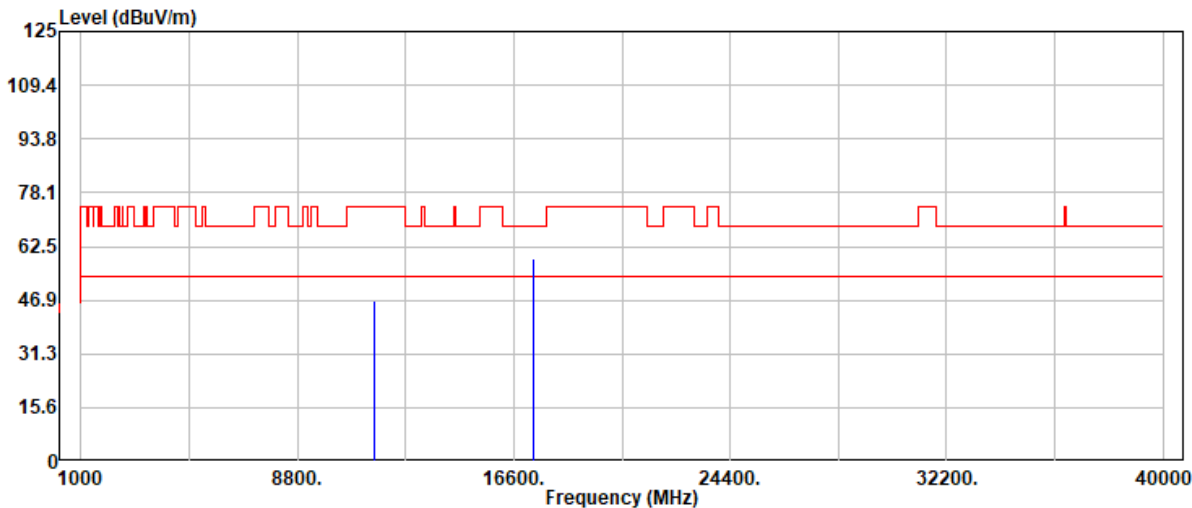
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	33.23	13.85	47.08	74.00	-26.92	Peak
11590.00	25.71	13.85	39.56	54.00	-14.44	Average
17385.00	31.99	26.23	58.22	68.20	-9.98	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ac80_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5775 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



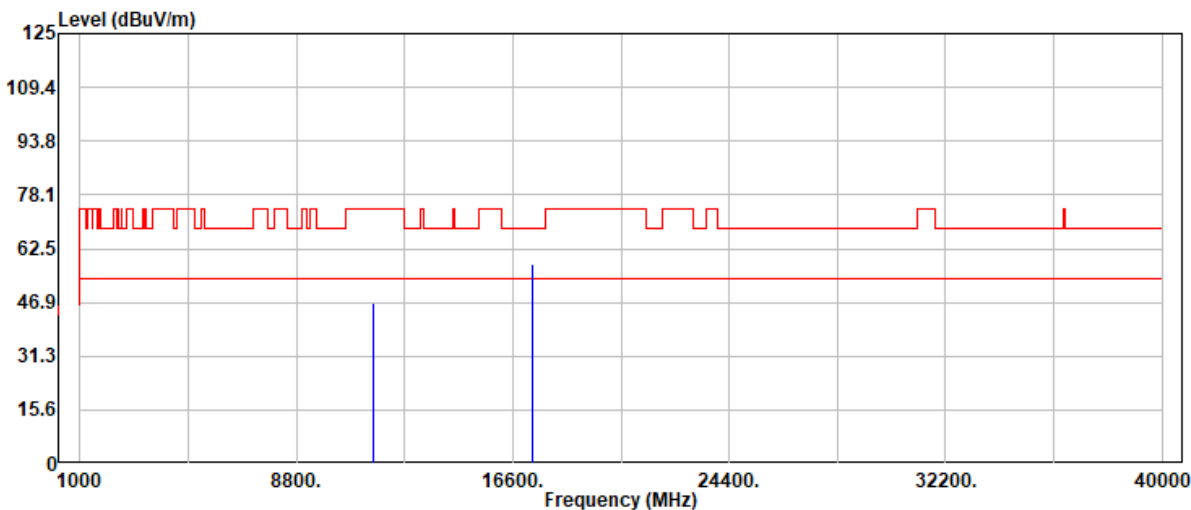
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	32.98	13.75	46.73	74.00	-27.27	Peak
11550.00	25.39	13.75	39.14	54.00	-14.86	Average
17325.00	32.48	26.31	58.79	68.20	-9.41	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ac80_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5775 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



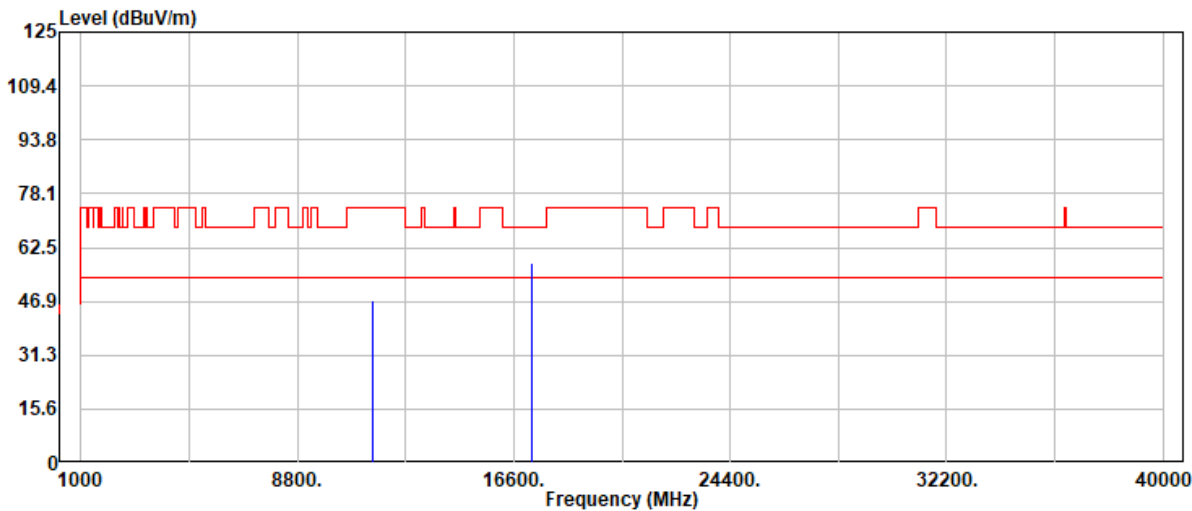
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	32.98	13.75	46.73	74.00	-27.27	Peak
11550.00	25.17	13.75	38.92	54.00	-15.08	Average
17325.00	31.75	26.31	58.06	68.20	-10.14	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5745 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



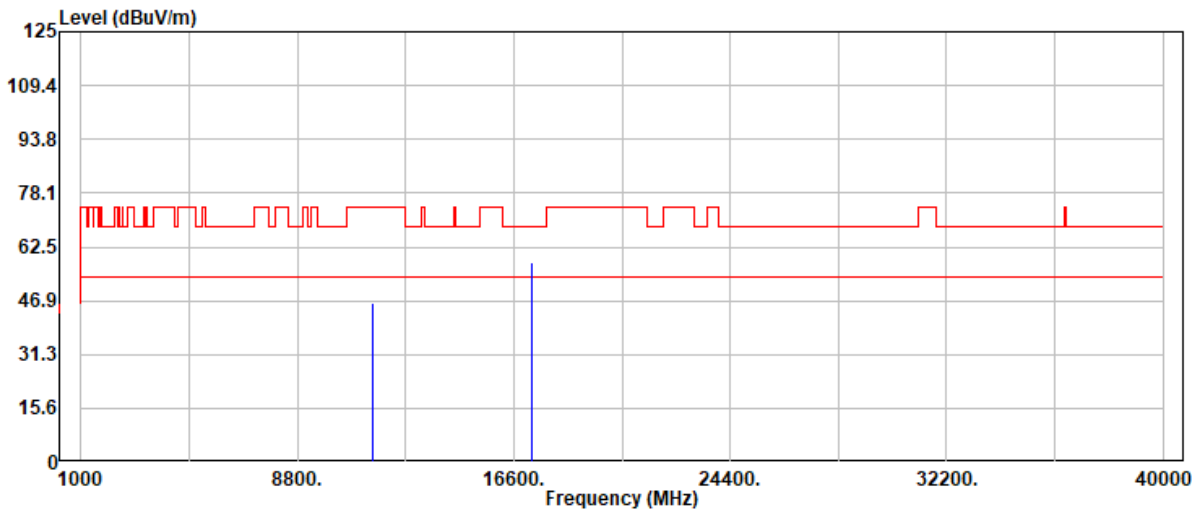
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	33.67	13.59	47.26	74.00	-26.74	Peak
11490.00	25.45	13.59	39.04	54.00	-14.96	Average
17235.00	31.89	26.04	57.93	68.20	-10.27	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5745 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



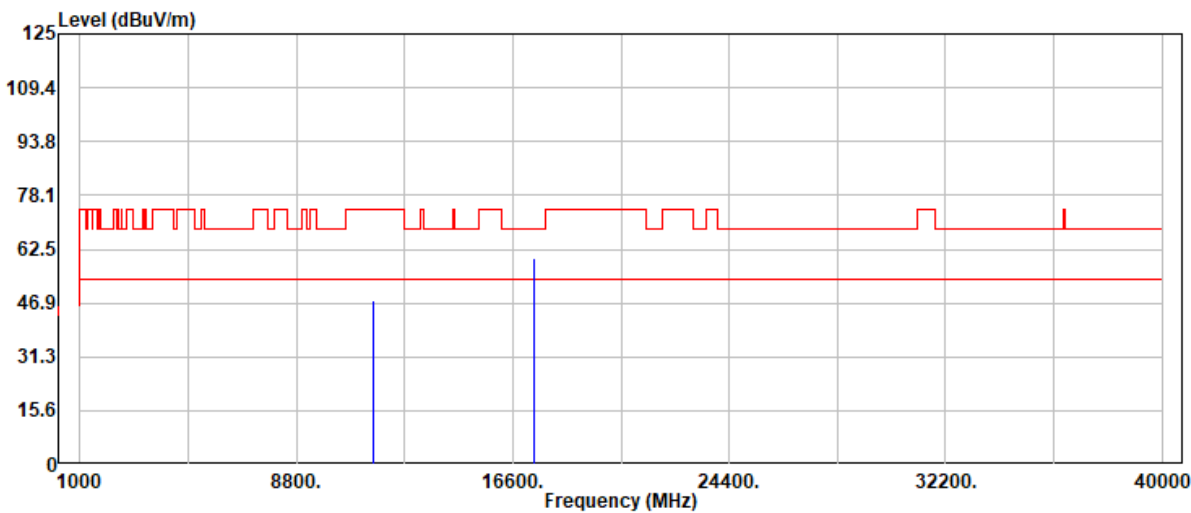
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	32.71	13.59	46.30	74.00	-27.70	Peak
11490.00	25.49	13.59	39.08	54.00	-14.92	Average
17235.00	31.79	26.04	57.83	68.20	-10.37	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5785 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



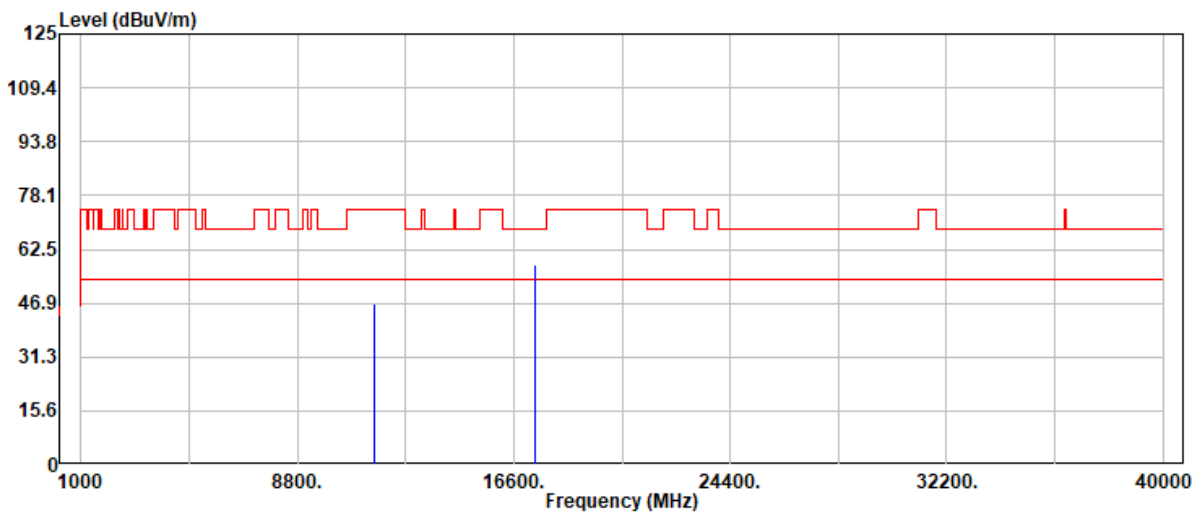
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	34.04	13.80	47.84	74.00	-26.16	Peak
11570.00	25.64	13.80	39.44	54.00	-14.56	Average
17355.00	33.72	26.22	59.94	68.20	-8.26	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5785 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



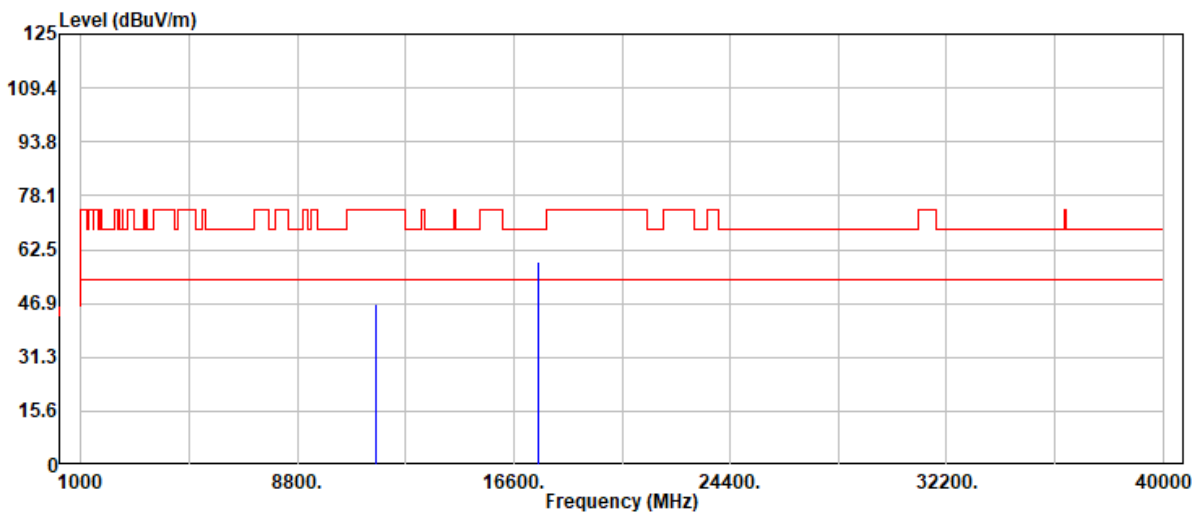
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	32.95	13.80	46.75	74.00	-27.25	Peak
11570.00	25.68	13.80	39.48	54.00	-14.52	Average
17355.00	31.84	26.22	58.06	68.20	-10.14	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5825 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



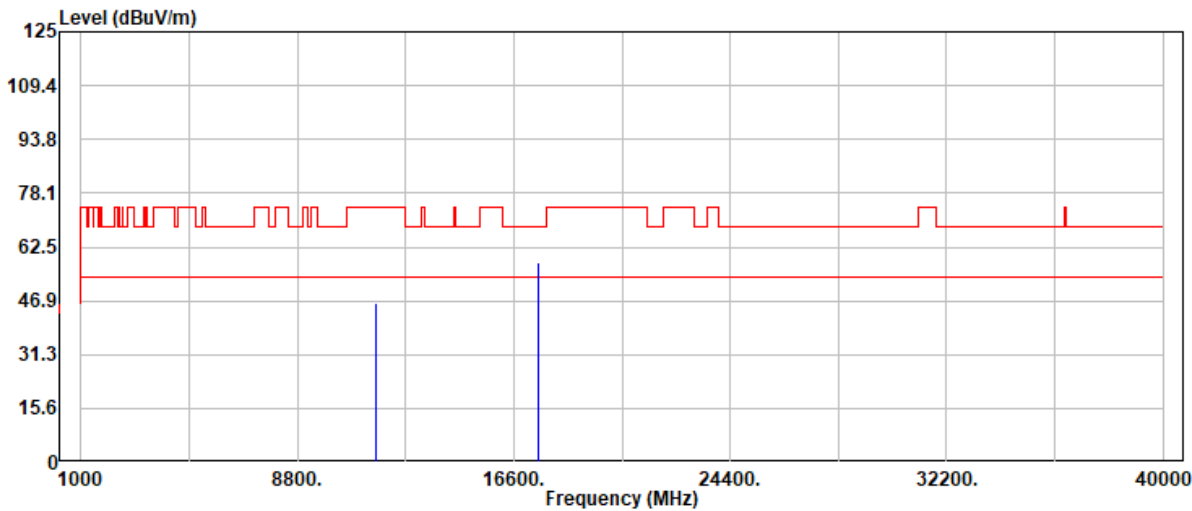
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	33.06	13.54	46.60	74.00	-27.40	Peak
11650.00	25.44	13.54	38.98	54.00	-15.02	Average
17475.00	33.10	25.86	58.96	68.20	-9.24	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5825 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



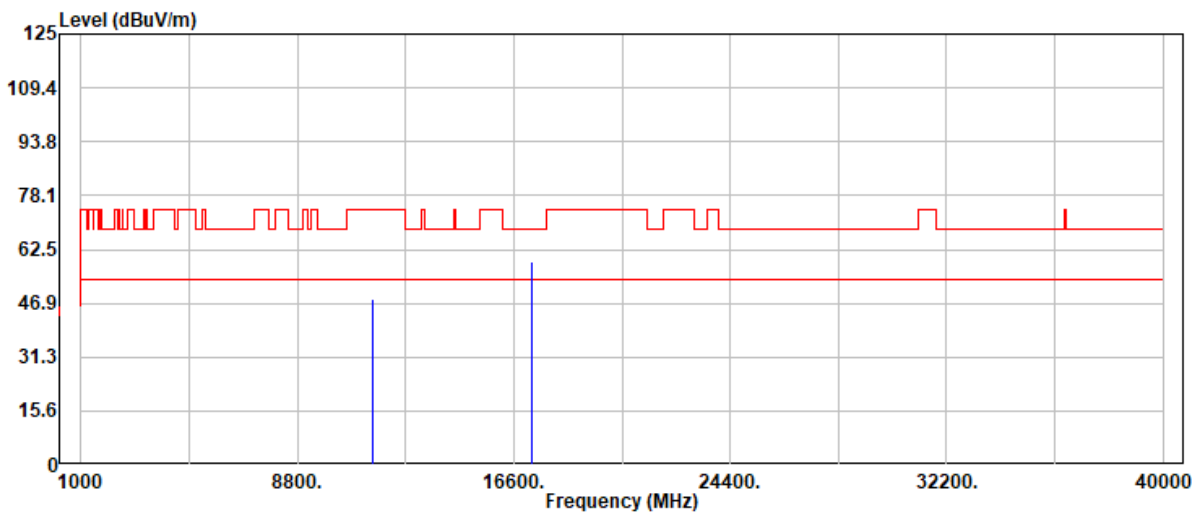
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	32.62	13.54	46.16	74.00	-27.84	Peak
11650.00	25.17	13.54	38.71	54.00	-15.29	Average
17475.00	31.97	25.86	57.83	68.20	-10.37	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5755 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



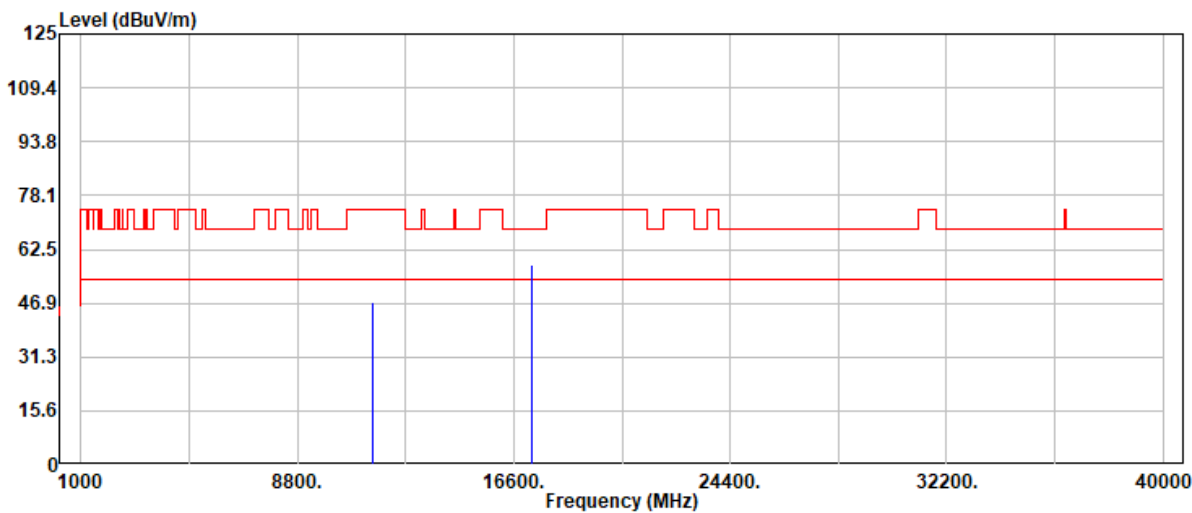
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	34.40	13.60	48.00	74.00	-26.00	Peak
11510.00	25.16	13.60	38.76	54.00	-15.24	Average
17265.00	32.96	26.21	59.17	68.20	-9.03	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5755 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



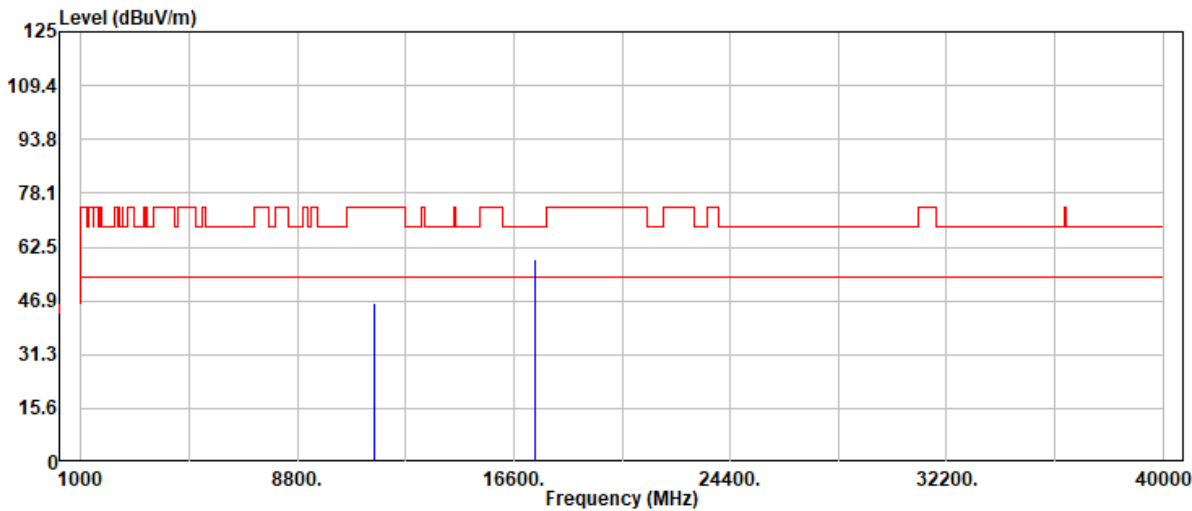
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	33.63	13.60	47.23	74.00	-26.77	Peak
11510.00	25.49	13.60	39.09	54.00	-14.91	Average
17265.00	31.71	26.21	57.92	68.20	-10.28	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-19
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5795 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



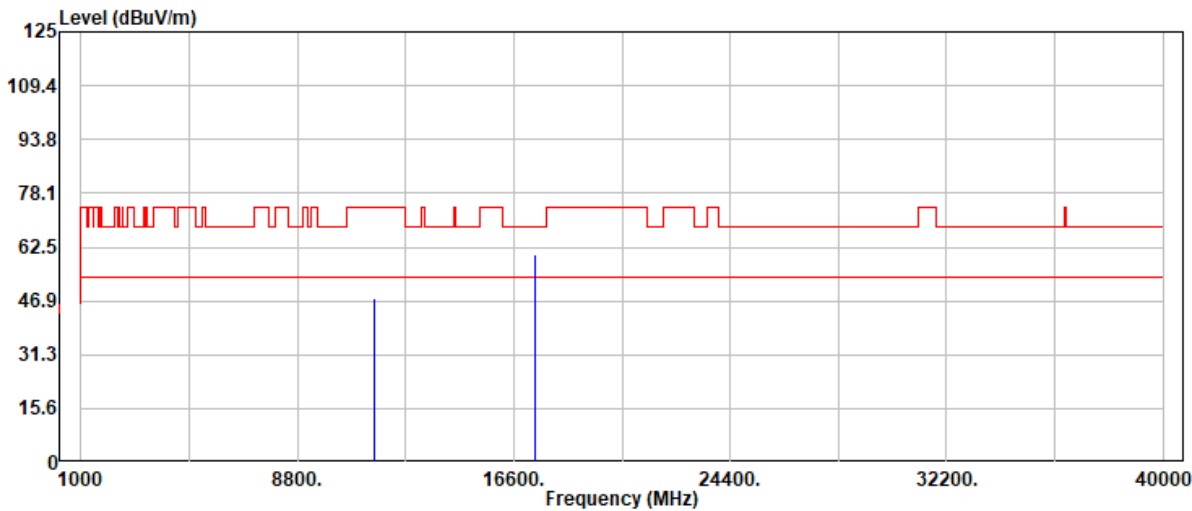
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	32.37	13.85	46.22	74.00	-27.78	Peak
11590.00	25.66	13.85	39.51	54.00	-14.49	Average
17385.00	32.91	26.23	59.14	68.20	-9.06	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5795 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



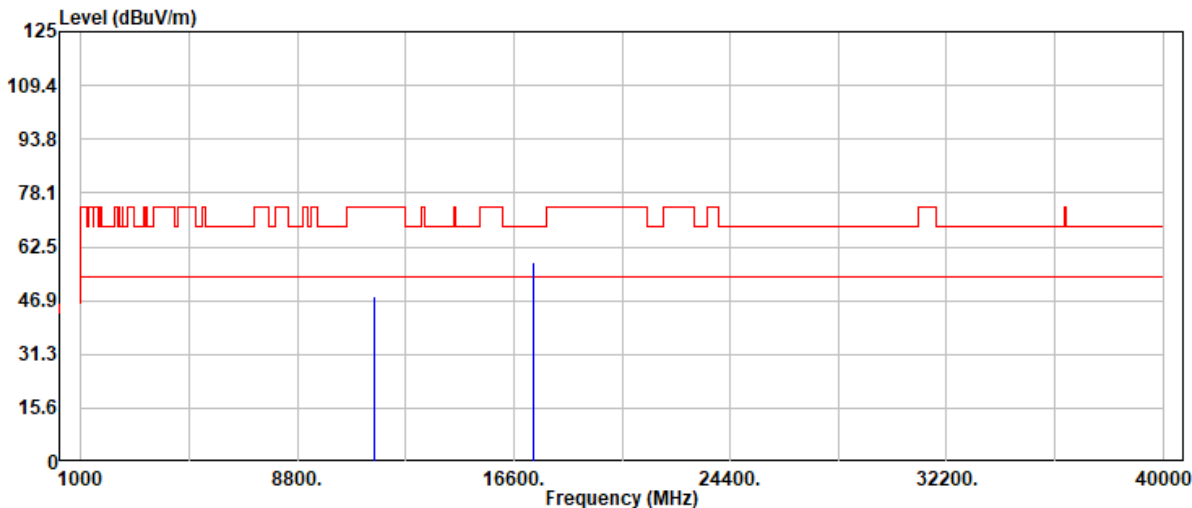
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	33.59	13.85	47.44	74.00	-26.56	Peak
11590.00	25.47	13.85	39.32	54.00	-14.68	Average
17385.00	34.14	26.23	60.37	68.20	-7.83	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax80_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5775 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



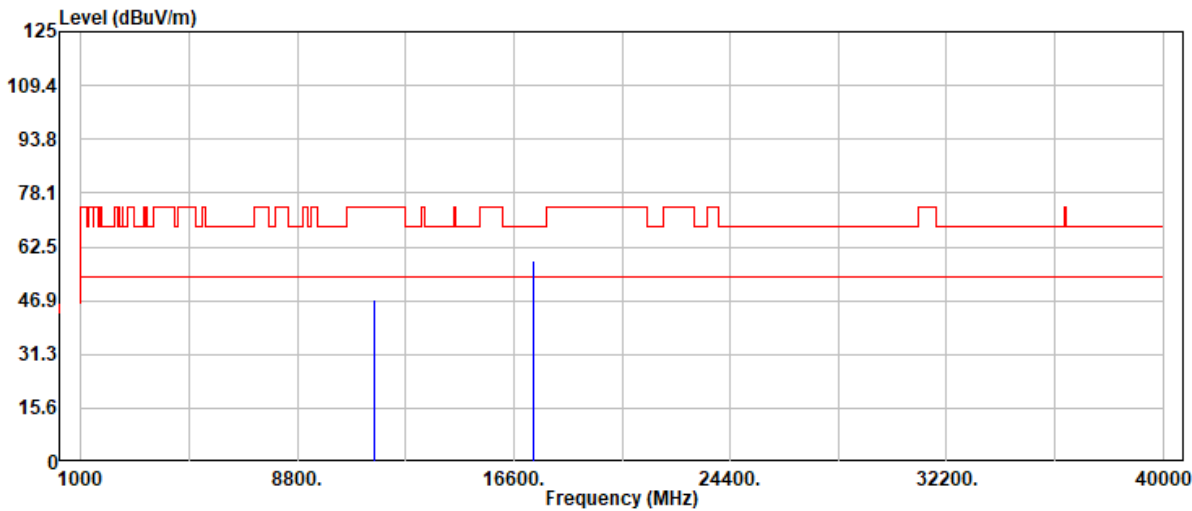
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	34.28	13.75	48.03	74.00	-25.97	Peak
11550.00	25.33	13.75	39.08	54.00	-14.92	Average
17325.00	31.69	26.31	58.00	68.20	-10.20	Peak



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Project No	: TM-2503000067P	Test Date	: 2025-03-26
Operation Band	: 802.11ax80_Band4	Temp./Humi.	: 24.7/56
Frequency	: 5775 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	33.51	13.75	47.26	74.00	-26.74	Peak
11550.00	25.81	13.75	39.56	54.00	-14.44	Average
17325.00	32.14	26.31	58.45	68.20	-9.75	Peak



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4.3 POWER SPECTRAL DENSITY

4.3.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3),

UNII-1 :

FCC: 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, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

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.

FCC:

UNII-1 Limit	☐ Antenna not exceed 6 dBi : 17 dBm/MHz ☒ Antenna with DG greater than 6 dBi : [Limit = 17 – (DG – 6) dBm/MHz]
UNII-3 Limit	☐ Antenna not exceed 6 dBi : 30 dBm/500kHz ☒ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6) dBm/500kHz]



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4.3.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

4.3.3 Test Setup

Refer to section 1.8.