

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

Applicant: MegaChips Corporation
1-1-1, Miyahara, Yodogawa-ku, Osaka, 532-0003, Japan
Manufacturer: MegaChips Corporation
1-1-1, Miyahara, Yodogawa-ku, Osaka, 532-0003, Japan
Product Name: MRF61_FI
Brand Name: MegaChips Corporation
Model No./ISED HVIN: MFIM0002
ISED PMN: MFIM0002
Report Number: TERF2502000777E2
FCC ID 2AGYI-WM0021
IC: 29836-WM0021
Date of EUT Received: April 23, 2024
Date of Test: February 26, 2025~April 1, 2025
Issue Date: April 23, 2025

Approved By

Arno Hsieh

Arno Hsieh

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247, ISED RSS-Gen and RSS-247.

The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2502000777E2	00	Class II and Class III permissive change for reduce power	April 15, 2025	Karen Huang	
TERF2502000777E2	01	Update FVIN	April 23, 2025	Karen Huang	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.

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1 GENERAL INFORMATION

1.1 Product Description

Product Name:	MRF61_FI
Brand Name:	MegaChips Corporation
Model No.: ISED HVIN:	MFIM0002
Hardware Version:	V_13
Firmware Version: FVIN:	V1_12_4
EUT Series No.:	M01-0000001
Power Supply:	3.3Vdc
Test Software (Name/Version)	CMD

1.2 RF Specification

Radio Technology:	802.11ah
Frequency Range:	902 – 928MHz
Modulation type:	OFDM
Transmit Power:	802.11ah 8M: 26.10 dBm (Peak)

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1.3 Antenna Designation

Antenna Type	Supplier	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)
Chip	KYOCERA AVX	P822603	902-928	0.7
	Johanson Technology	0915AT43A0026001E		-1.0
Dipole	Pulse Electronics	W1063		1.0
Monopole	TE Connectivity Linx	ANT-916-CW-RCS		4.8
	molex	1052620002		1.5
	molex	2111400100		1.0
	molex	1052620001		1.6

Note:

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. Antenna information is provided by the applicant.

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1.4 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

RSS-247 issue 3 Aug. 2023

RSS-Gen, Issue 5 April 2018, Amendment 2 (February 2021)

1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designa- tion number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
Conducted G				
Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.				

1.6 Special Accessories

There are no special accessories used while test was conducted.

1.7 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is placed on a table which is 0.8 m above ground plane. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz. The CISPR Quasi-Peak and Average detector mode is employed. The two LISNs provide 50uH/50 ohm of coupling impedance for the measuring instrument. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

2.3.2 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

2.3.3 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

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2.4 Measurement Results Explanation Example

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic 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.

2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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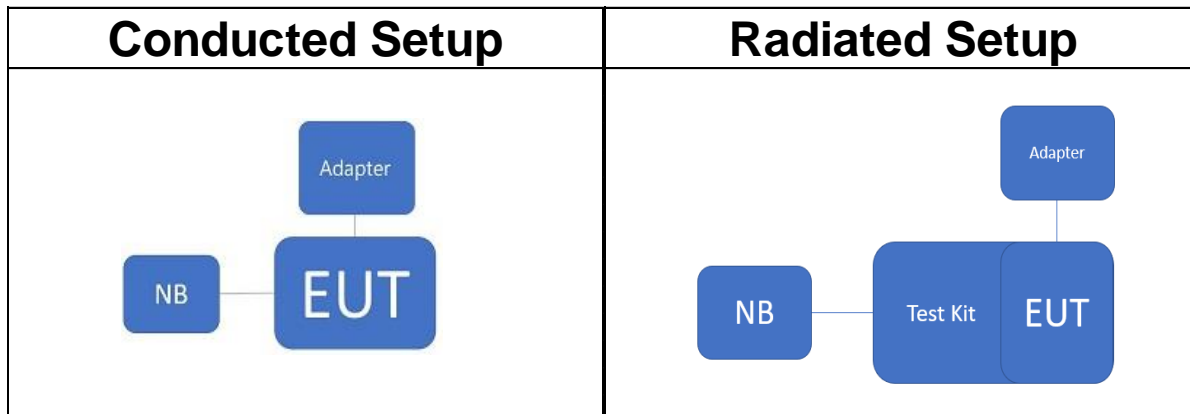
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2.5 Test Configuration



2.6 Control Unit(s)

Conducted Emission Test Site: Conducted D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	T14	P0003332	N/A	N/A
Adapter	KSY	UU318-0530	M10-0634496	N/A	N/A
Test kit	N/A	N/A	N/A	N/A	N/A
LAN Cable	N/A	N/A	N/A	N/A	N/A

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Adapter	KSY	UU318-0530	M10-0634496	N/A	N/A
Notebook	Lenovo	L480	P0002332	N/A	N/A
Test kit	N/A	N/A	N/A	N/A	N/A
LAN Cable	N/A	N/A	N/A	N/A	N/A

Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Adapter	KSY	UU318-0530	M10-0634496	N/A	N/A
Notebook	Lenovo	L480	P0002332	N/A	N/A
Test kit	N/A	N/A	N/A	N/A	N/A
LAN Cable	N/A	N/A	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	ISED Rules	Description Of Test	Result
§15.247(b)(2)	RSS-247 §5.4 a	Peak Output Power	Compliant
§15.205 §15.209 §15.247(d)	RSS-247 §5.5	Radiated Band Edge and Spurious Emission	Compliant

Note: This test report is an addendum to the original test report TERF2404001148E2.

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4 DESCRIPTION OF TEST MODES

4.1 Operating Frequencies

Channel List	OFDM 1M		OFDM 2M		OFDM 4M		OFDM 8M	
	CH	Freq.(MHz)	CH	Freq.(MHz)	CH	Freq.(MHz)	CH	Freq.(MHz)
	3	903.5	6	905	8	906	12	908
	5	904.5	10	907	16	910	28	916
	7	905.5	14	909	24	914	44	924
	9	906.5	18	911	32	918		
	11	907.5	22	913	40	922		
	13	908.5	26	915	48	926		
	15	909.5	30	917				
	17	910.5	34	919				
	19	911.5	38	921				
	21	912.5	42	923				
	23	913.5	46	925				
	25	914.5						
	27	915.5						
	29	916.5						
	31	917.5						
	33	918.5						
	35	919.5						
	37	920.5						
	39	921.5						
	41	922.5						
	43	923.5						
	45	924.5						
47	925.5							
49	926.5							

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4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case. The gevin UE is pre-scanned among below modes.
- 4.

CONDUCTED TEST				
MODE	AVAILABLE Frequency (MHz)	TESTED Frequency (MHz)	MODULATION	DATA RATE (Mbps)
802.11ah 4M	902 to 928	926	OFDM	MCS0
802.11ah 8M	902 to 928	908,924	OFDM	MCS0

Note:

The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.54 dB
Output Power measurement	+/- 0.97 dB
Emission Bandwidth	+/- 1.38 Hz
Conducted emission measurement	+/- 0.77 dB
Peak Power Density	+/- 0.61 dB
Temperature	+/- 0.6 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty				
Polarization: Vertical	+/-	1.89	dB	9kHz~30MHz
	+/-	4.15	dB	30MHz - 1000MHz
	+/-	3.43	dB	1GHz - 18GHz
	+/-	3.86	dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89	dB	9kHz~30MHz
	+/-	4.02	dB	30MHz - 1000MHz
	+/-	3.43	dB	1GHz - 18GHz
	+/-	3.86	dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2	dB	33GHz-50GHz
	+/-	1.59	dB	50GHz-60GHz
	+/-	1.7	dB	60GHz-90GHz
	+/-	1.64	dB	90GHz-140GHz
	+/-	3.83	dB	140GHz-220GHz

Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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6 MEASUREMENT EQUIPMENT USED

6.1 Conducted Measurement

Conducted Emission Test Site: Conducted D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Woken	WATT-218FS-10	RF23	11/14/2024	11/13/2025
Attenuator	Woken	WATT-218FS-10	RF24	11/14/2024	11/13/2025
DC Block	PASTERNAK	PE8210	RF34	11/14/2024	11/13/2025
Power Meter	Anritsu	ML2496A	1512003	09/04/2024	09/03/2025
Power Sensor	Anritsu	MA2411B	1339378	09/04/2024	09/03/2025
Power Sensor	Anritsu	MA2411B	1339379	09/04/2024	09/03/2025
Spectrum Analyzer	KEYSIGHT	N9010B	MY60240506	06/17/2024	06/16/2025
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

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6.2 Radiated Measurement

Antenna: Chip, Dipole, Monopole

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
3m Site NSA	SGS	966 chamber D	N/A	04/30/2024	04/29/2025
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/11/2024	12/10/2025
Attenuator	Woken	WATT-218FS-10	RF11	11/14/2024	11/13/2025
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	12/17/2024	12/16/2025
Coaxial Cable	EMCI+Huber Suhner	RG 214/U+EMC104-SM-SM- 500+SUCOFLEX 104+16+EMC105-SM-SM- 11000+EMC106-SM-SM-2300	W22.01+W21.01+15 0707+MY969/4+16+ 190825+150702	11/14/2024	11/13/2025
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/30/2024	05/29/2025
Notch Filter	Woken	EWI-54-0037	RF197	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/14/2024	11/13/2025
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	10/16/2024	10/15/2025
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

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Antenna: Chip, Dipole, Monopole

Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
3m Site NSA	SGS	966 chamber G	N/A	03/30/2024	03/29/2025
3m Site NSA	SGS	966 chamber G	N/A	03/30/2025	03/29/2026
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/11/2024	12/10/2025
Attenuator	Woken	WATT-218FS-10	RF11	11/14/2024	11/13/2025
Broadband Antenna	SCHWARZBECK	VULB 9168	1206	01/16/2025	01/15/2026
Coaxial Cable	EMCI+Huber Suhner	EMCCFD400-NM-NM-8000+EMCCFD400-NM-NM-5000+SUCOFLEX100+EMC104-SM-SM-2000+EMC104-SM-SM-8000+EMC104-SM-SM-5000	210216+210217+84103701/15+160105+210217+210220	11/14/2024	11/13/2025
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/30/2024	05/29/2025
Notch Filter	Woken	EWI-54-0037	RF197	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC330N	980781	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	11/14/2024	11/13/2025
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	10/16/2024	10/15/2025
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

NOTE: No Calibration Required.

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7 PEAK OUTPUT POWER MEASUREMENT

7.1 Standard Applicable:

7.1.1 FCC

For systems using digital modulation in the 902-928 MHz bands, the limit for peak output power is 1Watt.

If the transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi. (FCC only)

In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

7.1.2 ISED

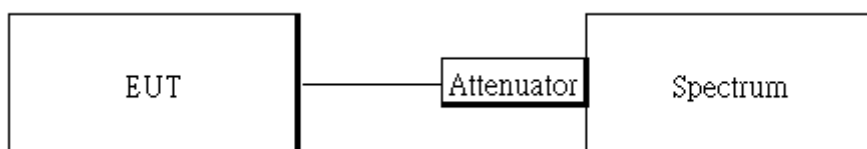
For systems using digital modulation in the 902-928 MHz bands, the limit for peak output power is 1Watt and the e.i.r.p. shall not exceed 4 W.

Note:

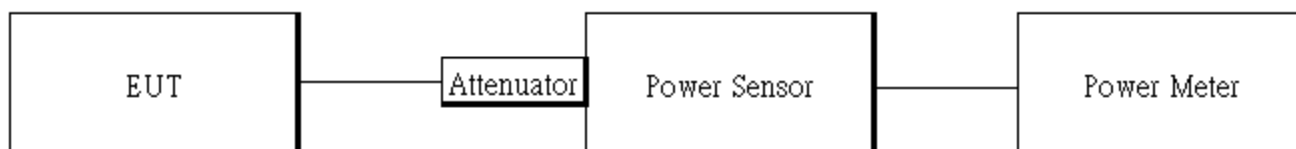
When the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

7.2 Test Setup

7.2.1 Duty Cycle



7.2.2 Output Power



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7.3 Measurement Procedure:

7.3.1 Duty Cycle

1. Place the EUT on the table and set it in transmitting mode.
2. Set span = Zero
3. RBW = 8MHz, VBW = 8MHz,
4. Detector = Peak

7.4 Output Power

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.
4. Record the max. Reading as observed from Power Meter.
5. Repeat above procedures until all test default channel measured was complete.

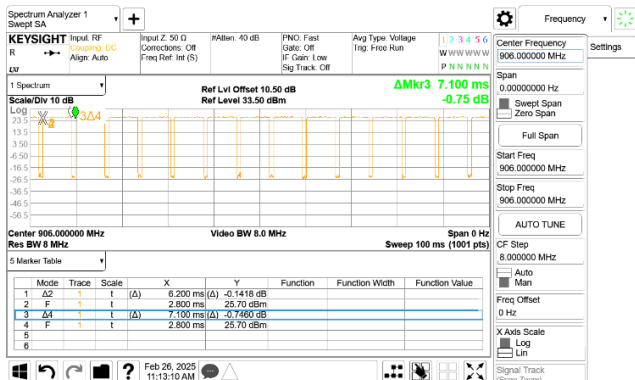
7.5 Duty Factor:

	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) = 10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
OFDM_4M	87.32	0.59	0.16	1.00
OFDM_8M	75.00	1.25	0.33	1.00

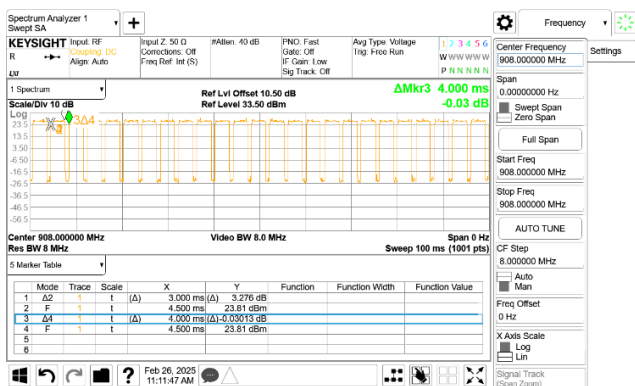
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OFDM_4M_LowCH-906



OFDM_8M_LowCH-908



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7.6 Output Power:

7.6.1 Peak & Avg

OFDM 4M mode

CH	Frequency (MHz)	Power set	Peak Output Power (dBm)	Required Limit (dBm)
High	926	default	25.64	30
CH	Frequency (MHz)	Power set	Avg. Output Power (dBm)	Required Limit (dBm)
High	926	default	18.49	30

***Note:**

1. Measured by power meter, cable loss 10.5 dB + Duty cycle factor has been offsetted to the power meter for Avg. power and cable loss has been offsetted for Peak power measurement.

2. The antenna gain is greater than 6 dBi, therefore the power limit attenuation has been applied in the test results. $30 - (\text{antenna gain} - 6) = 30$

Measurement Result:

OFDM 8M mode

CH	Frequency (MHz)	Power set	Peak Output Power (dBm)	Required Limit (dBm)
Low	908	default	26.10	30
High	924	default	25.74	30
CH	Frequency (MHz)	Power set	Avg. Output Power (dBm)	Required Limit (dBm)
Low	908	default	19.65	30
High	924	default	17.70	30

***Note:**

1. Measured by power meter, cable loss 10.5 dB + Duty cycle factor has been offsetted to the power meter for Avg. power and cable loss has been offsetted for Peak power measurement.

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7.6.2 EIRP

EIRP OFDM 4M mode

CH	Frequency (MHz)	Power set	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit
High	926	default	18.49	4.80	23.29	4W= 36 dBm

* **Note:** EIRP = Average Power + Gain

EIRP OFDM 8M mode

CH	Frequency (MHz)	Power set	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit
Low	908	default	19.65	4.80	24.45	4W= 36 dBm
High	924	default	17.70	4.80	22.50	4W= 36 dBm

* **Note:** EIRP = Average Power + Gain

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8 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

8.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

And according to §15.33(a) (1) & RSS-Gen §6.13.2.a, for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

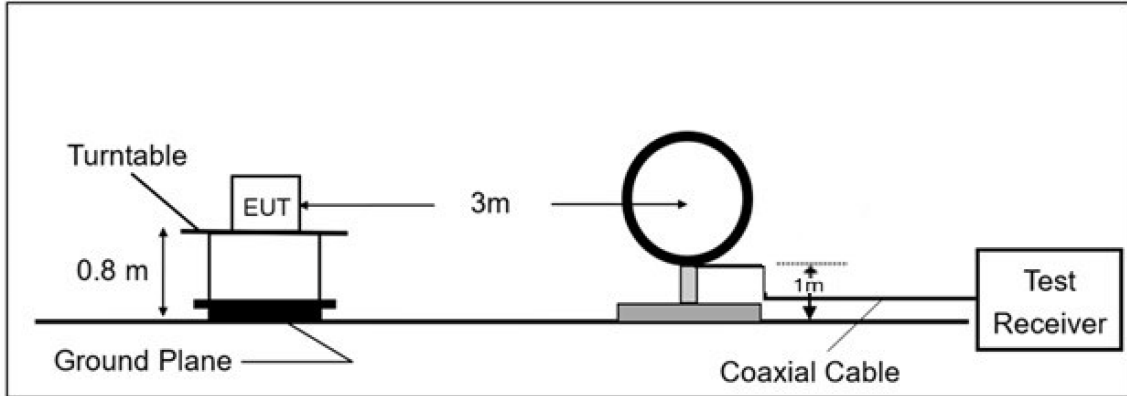
1. The lower limit shall apply at the transition frequencies.

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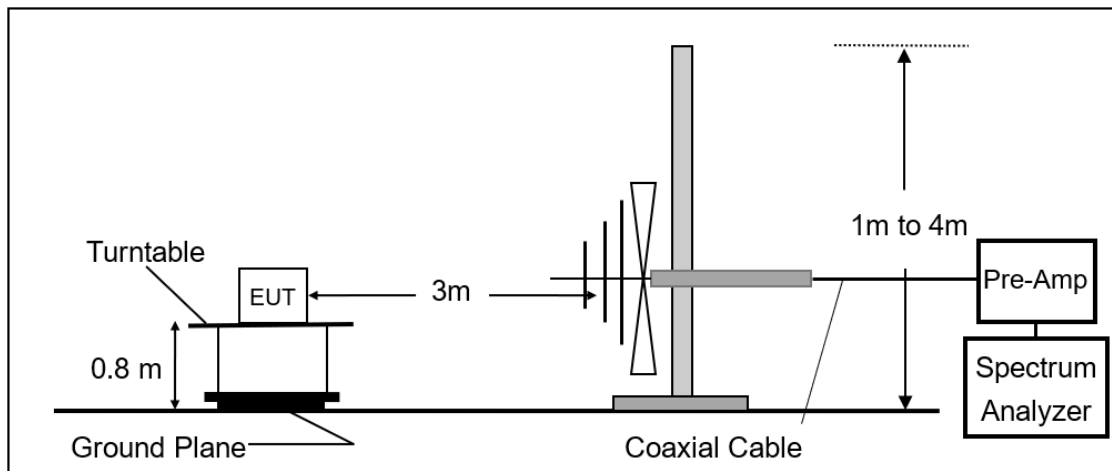
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8.2 Test Setup

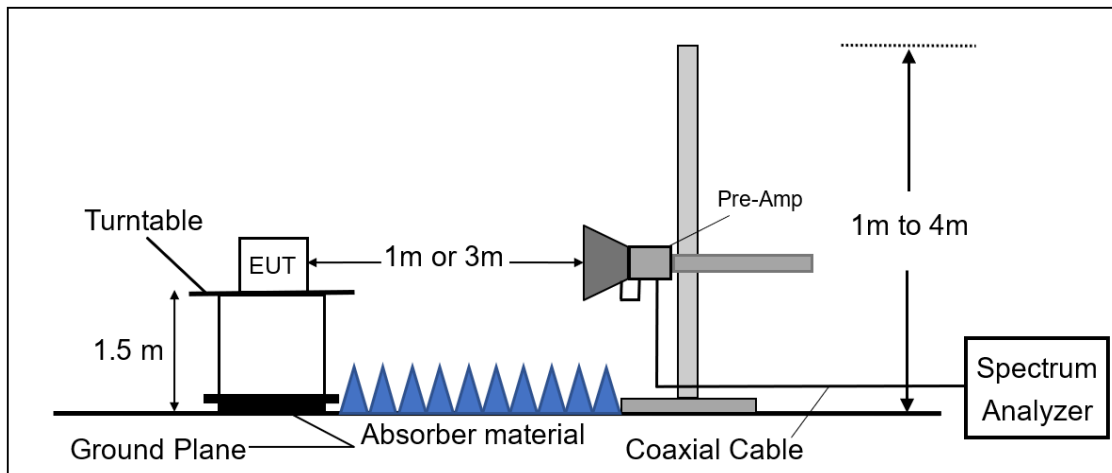
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz.



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8.3 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
12. Repeat above procedures until all default test channel measured were complete.

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8.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where *FS* = Field Strength

RA = Reading Amplitude

AF = Antenna Factor

CL = Cable Attenuation Factor (Cable Loss)

AG = Amplifier Gain

The limit of the emission level is expressed in dBuV/m, which converts $20 \cdot \log(uV/m)$

Actual FS(dBuV/m) = SPA. Reading level(dBuV) + Factor(dB)

Factor(dB) = Antenna Factor(dBuV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

8.5 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

8.6 Measurement Result:

Note: Refer to next page spectrum analyzer data chart and tabular data sheets.

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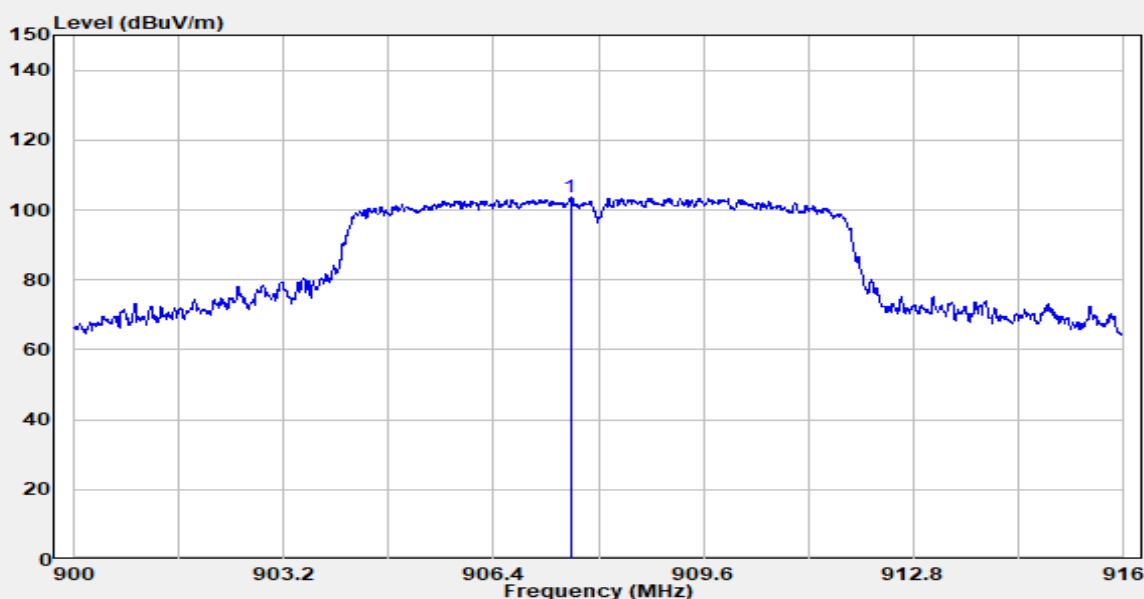
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8.6.1 Radiated Main and Band Edge Measurement Result

Antenna: Chip

Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :908 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



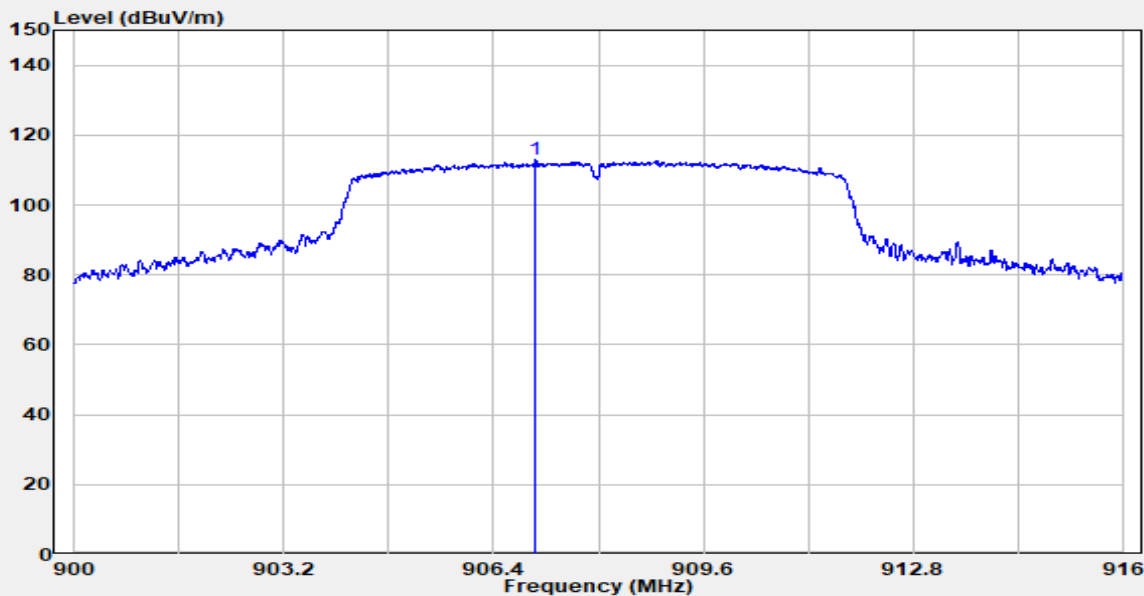
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
907.57	Peak	108.66	-5.20	103.46	-	-

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Main
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-04-02
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
907.04	Peak	118.02	-5.21	112.81	-	-

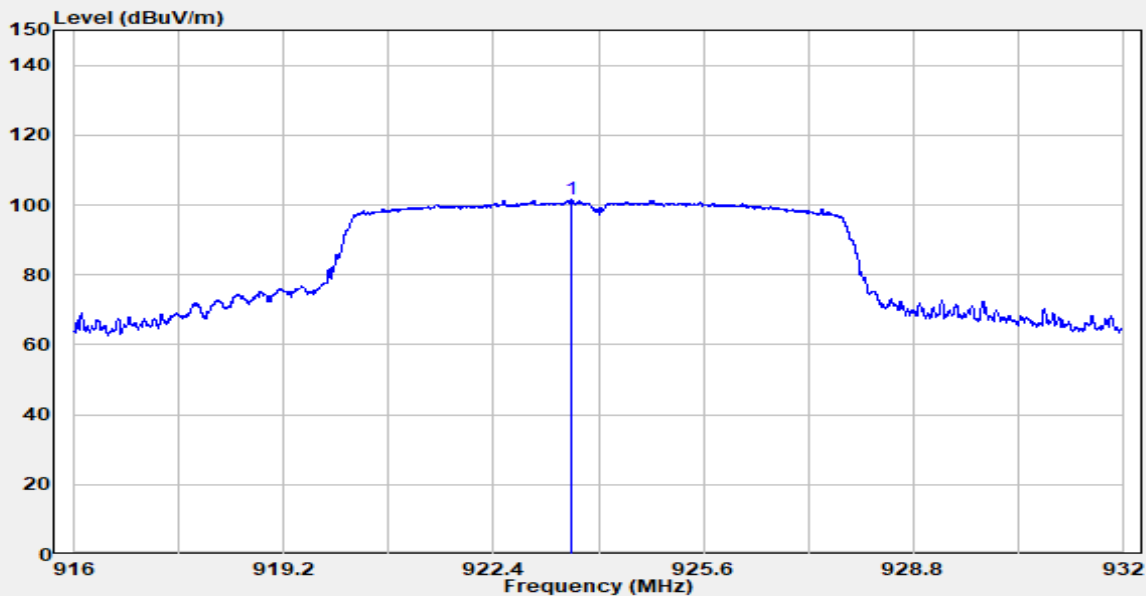
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :924 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-03-03
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



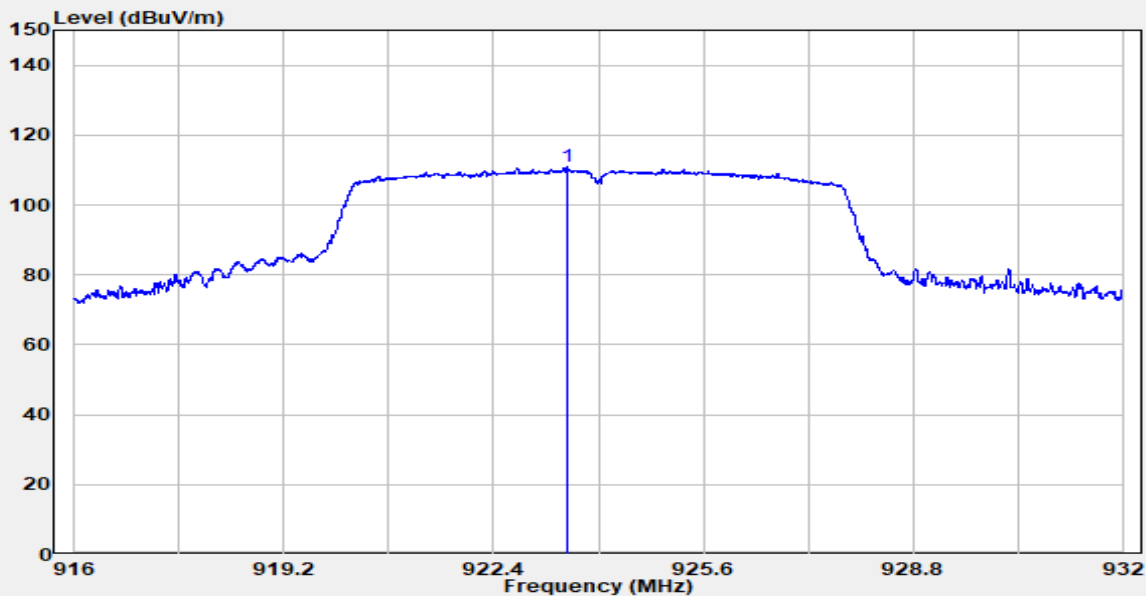
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
1852.00	Peak	106.40	-4.86	101.54	-	-

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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :924 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-03-03
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
923.52	Peak	115.82	-4.86	110.96	-	-

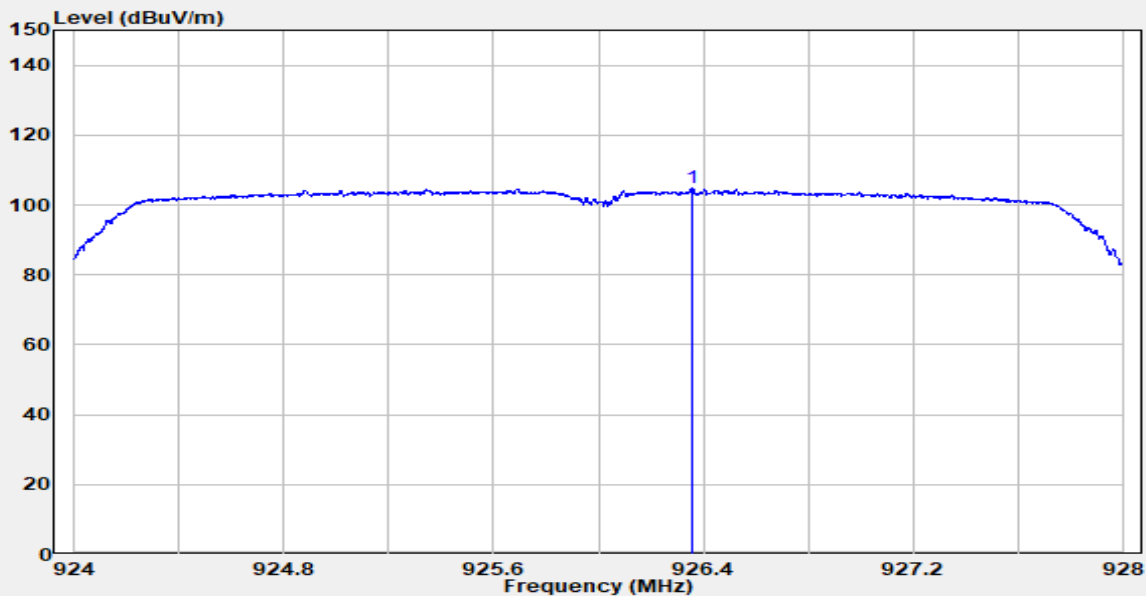
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :926 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-03-03
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
926.36	Peak	109.53	-4.80	104.73	-	-

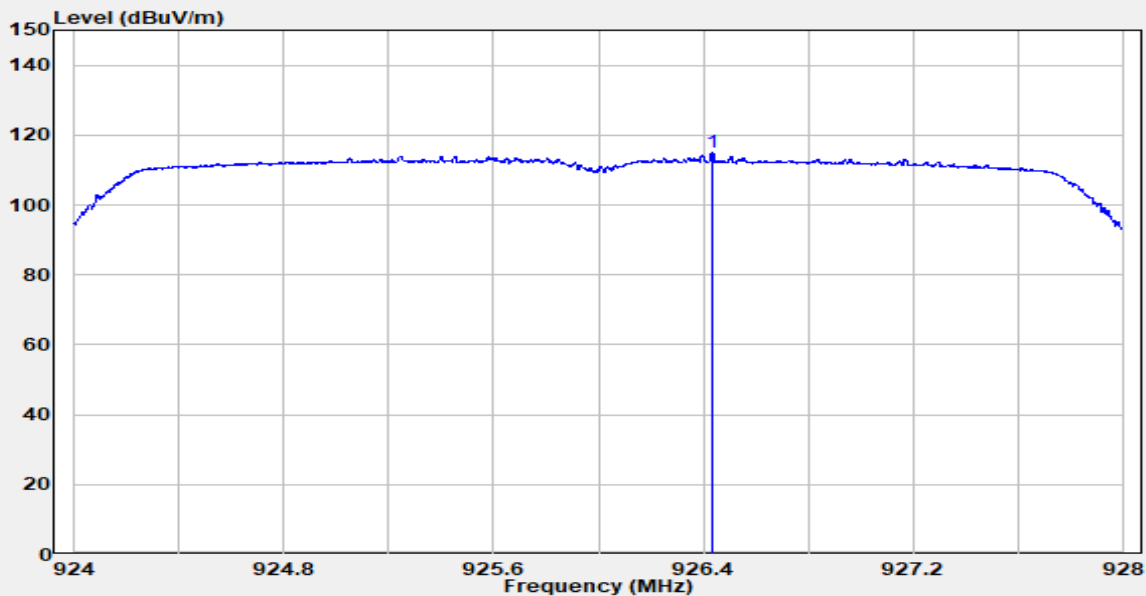
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :926 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-03-03
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
926.43	Peak	119.80	-4.80	115.00	-	-

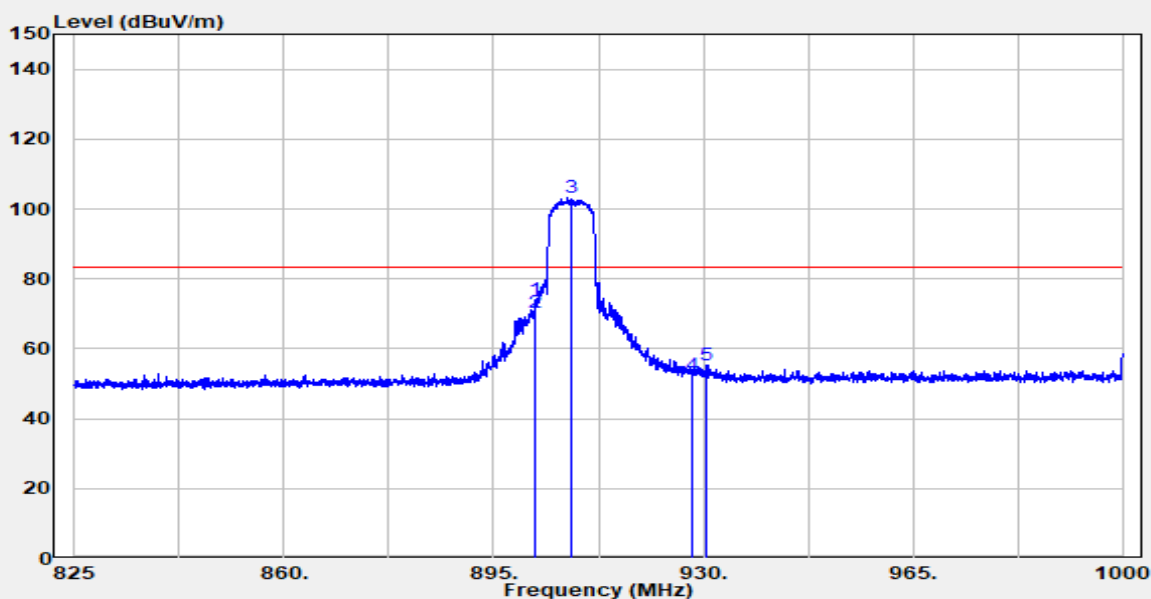
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



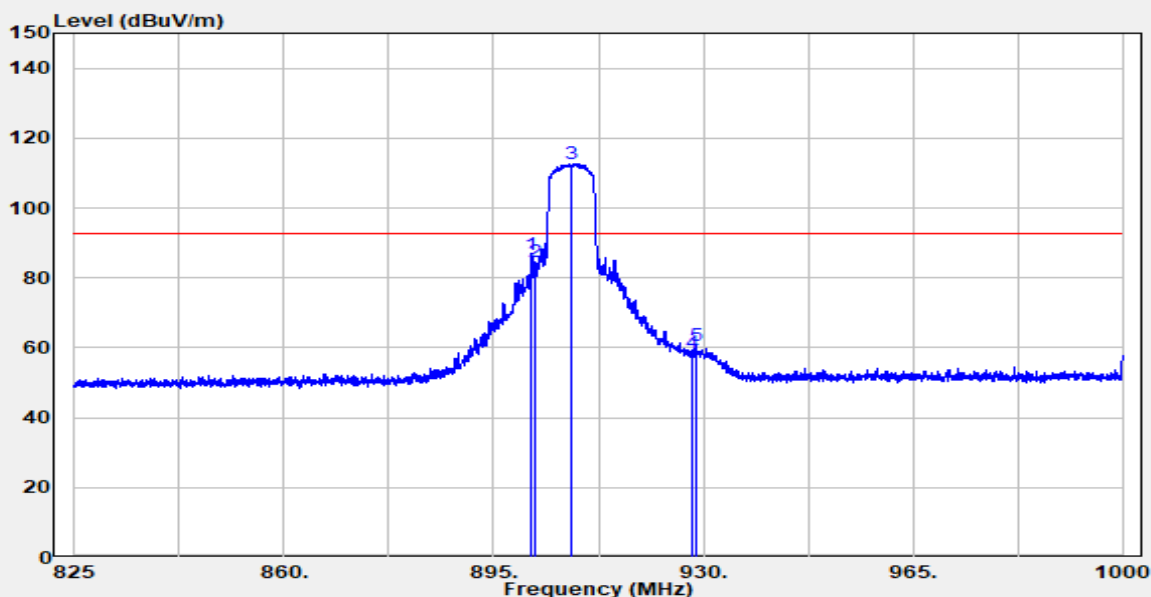
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
901.93	Peak	79.46	-5.31	74.15	83.46	-9.31
902.00	Peak	75.79	-5.31	70.48	83.46	-12.98
908.00	Peak	108.29	-5.19	103.10	-	-
928.00	Peak	57.22	-4.77	52.45	83.46	-31.01
930.64	Peak	59.95	-4.71	55.24	83.46	-28.22

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



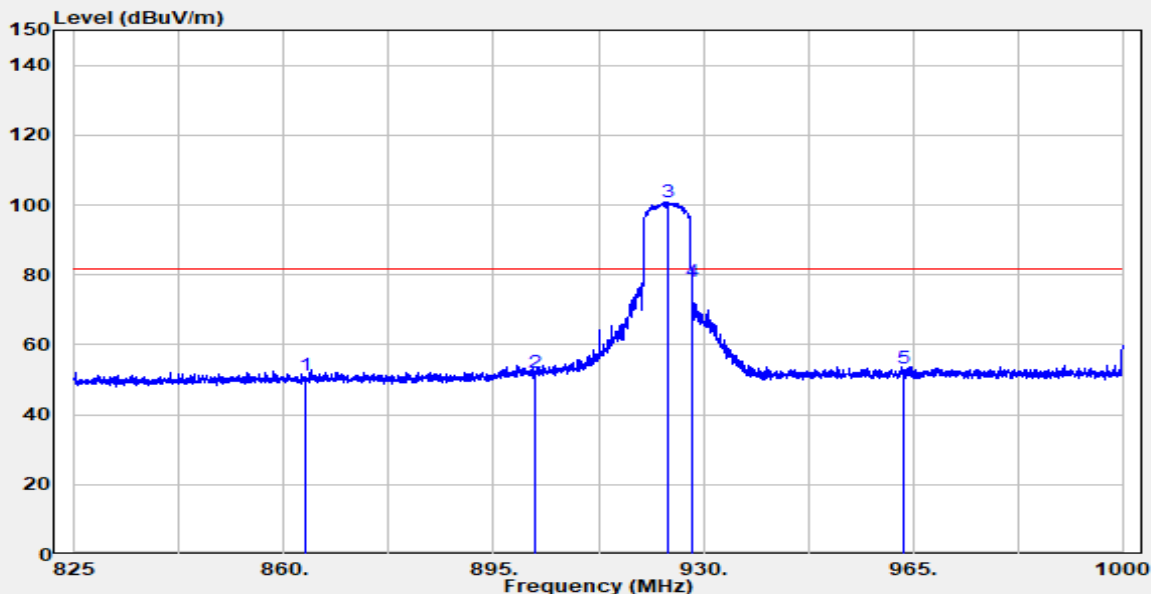
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
901.36	Peak	91.98	-5.33	86.65	92.81	-6.16
902.00	Peak	89.76	-5.31	84.45	92.81	-8.36
908.00	Peak	117.81	-5.19	112.62	-	-
928.00	Peak	63.33	-4.77	58.56	92.81	-34.25
928.85	Peak	65.45	-4.74	60.71	92.81	-32.10

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



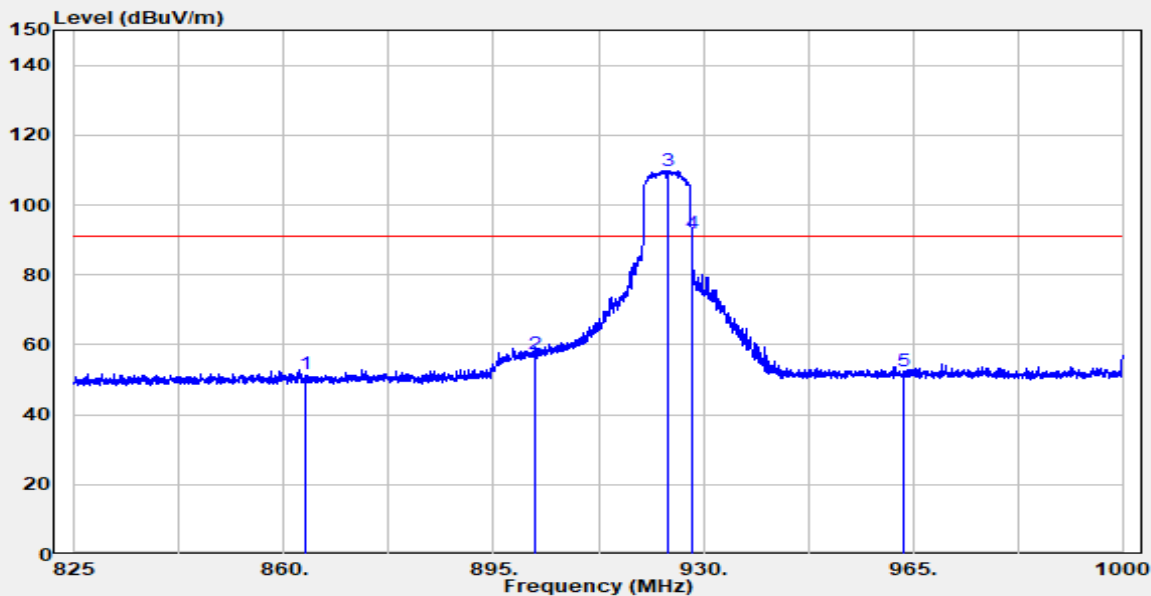
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
863.510	Peak	57.27	-5.93	51.34	81.54	-30.20
902.000	Peak	57.39	-5.32	52.07	81.54	-29.47
924.000	Peak	105.64	-4.85	100.78	-	-
928.000	Peak	82.96	-4.76	78.20	81.54	-3.34
963.503	Peak	57.43	-4.23	53.19	81.54	-28.35

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



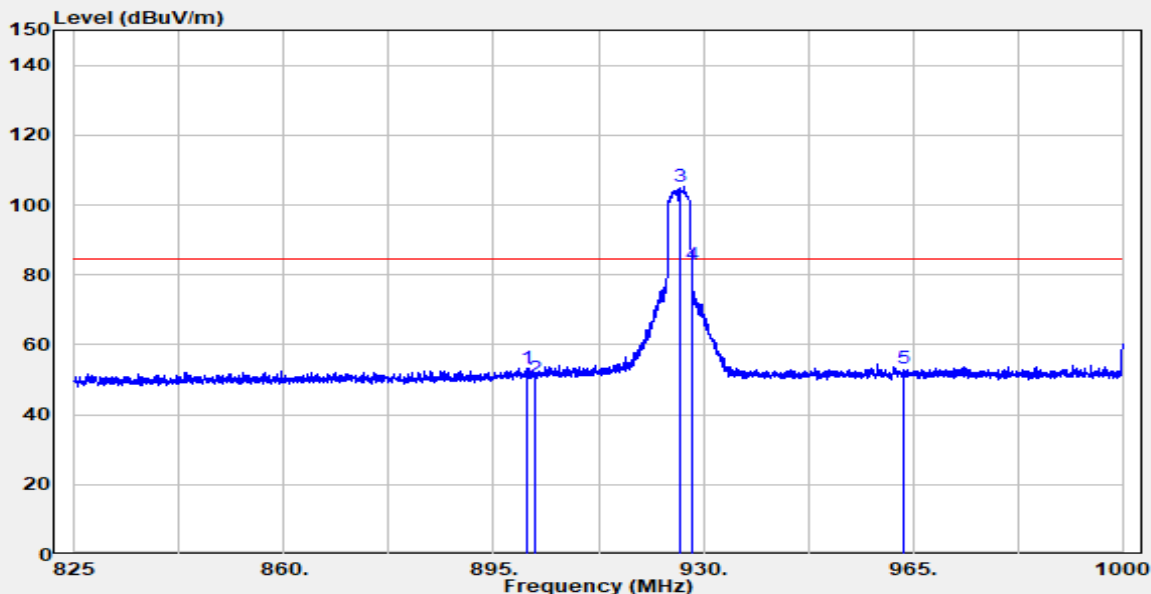
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
863.51	Peak	57.61	-5.93	51.68	90.96	-39.28
902.00	Peak	62.46	-5.31	57.15	90.96	-33.81
924.00	Peak	114.66	-4.85	109.81	-	-
928.00	Peak	92.53	-4.77	87.76	90.96	-3.20
963.50	Peak	56.79	-4.23	52.56	90.96	-38.40

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
900.66	Peak	58.79	-5.35	53.44	84.73	-31.29
902.00	Peak	55.83	-5.31	50.52	84.73	-34.21
926.00	Peak	109.97	-4.81	105.16	-	-
928.00	Peak	87.67	-4.77	82.90	84.73	-1.83
963.50	Peak	57.60	-4.23	53.37	84.73	-31.36

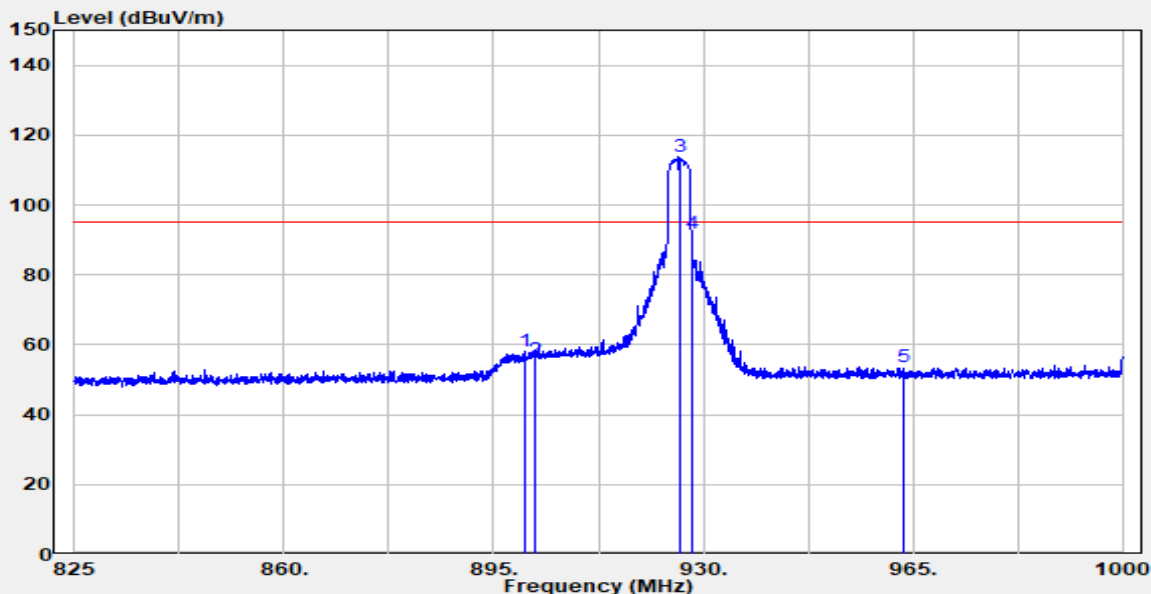
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
901.36	Peak	91.98	-5.33	86.65	92.81	-6.16
902.00	Peak	89.76	-5.31	84.45	92.81	-8.36
908.00	Peak	117.81	-5.19	112.62	-	-
928.00	Peak	63.33	-4.77	58.56	92.81	-34.25
928.85	Peak	65.45	-4.74	60.71	92.81	-32.10

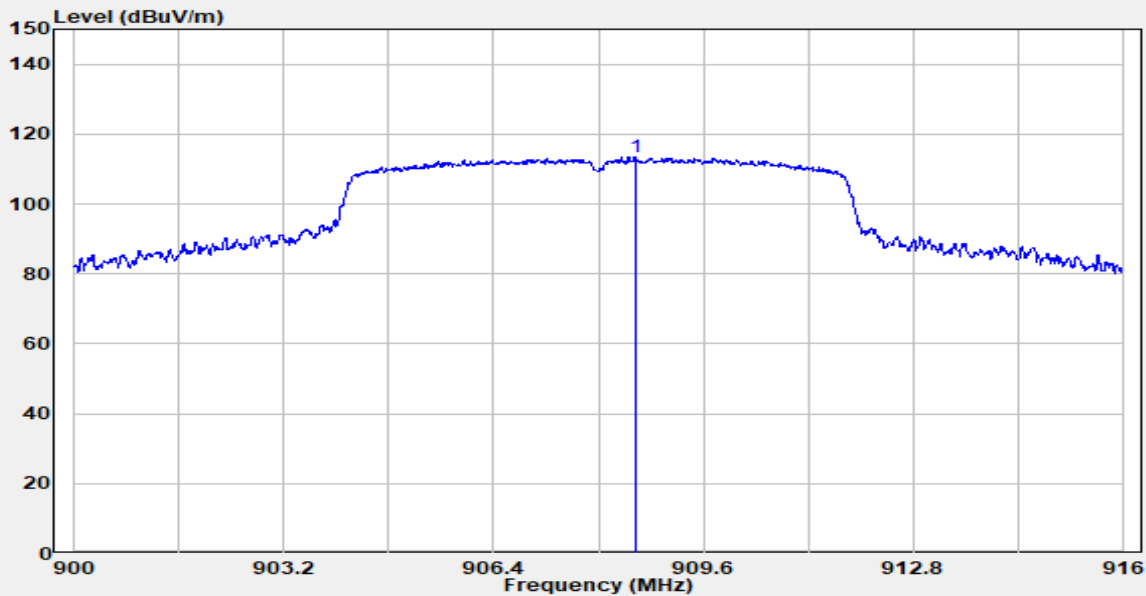
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Antenna: Dipole

Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :908 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



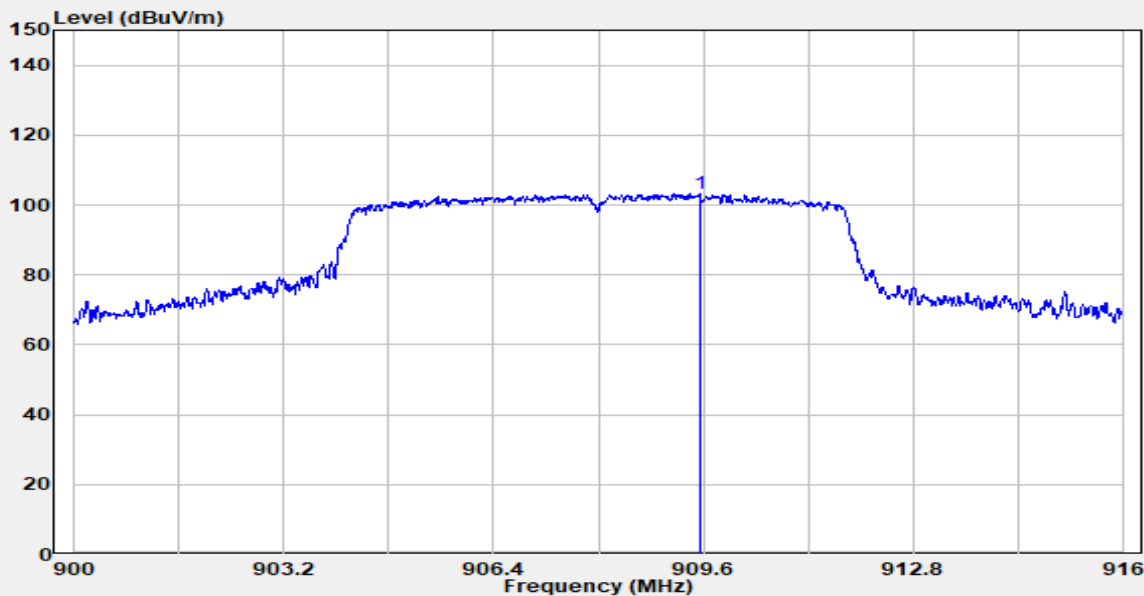
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
908.57	Peak	118.70	-5.17	113.53	-	-

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Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :908 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
909.54	Peak	108.53	-5.15	103.38	-	-

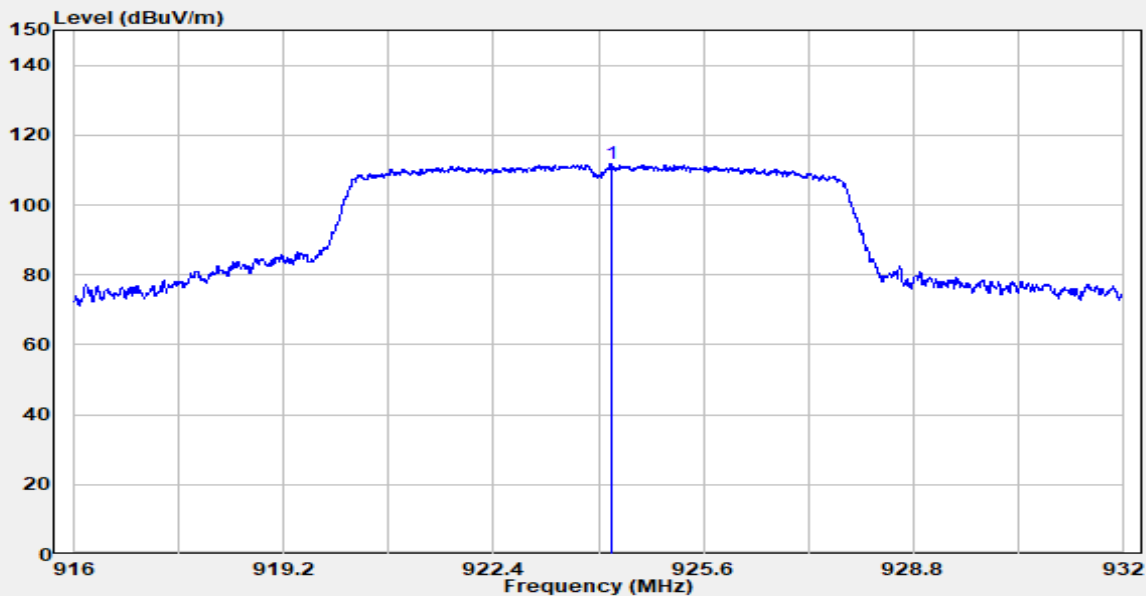
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :924 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-03-03
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
924.19	Peak	116.53	-4.85	111.68	-	-

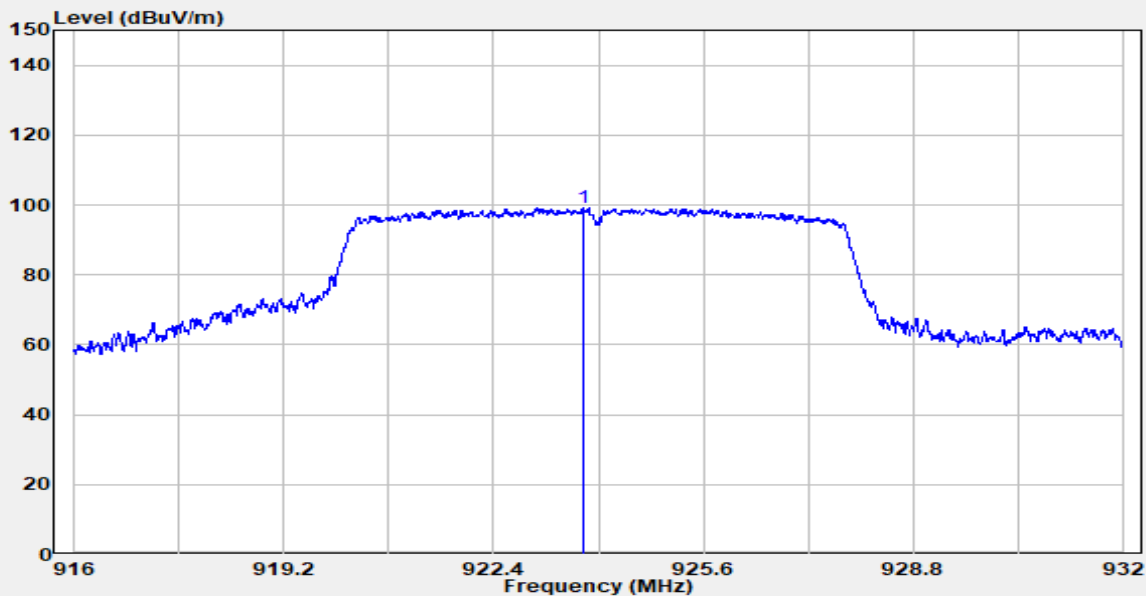
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :924 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-03-03
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
923.76	Peak	103.99	-4.85	99.14	-	-

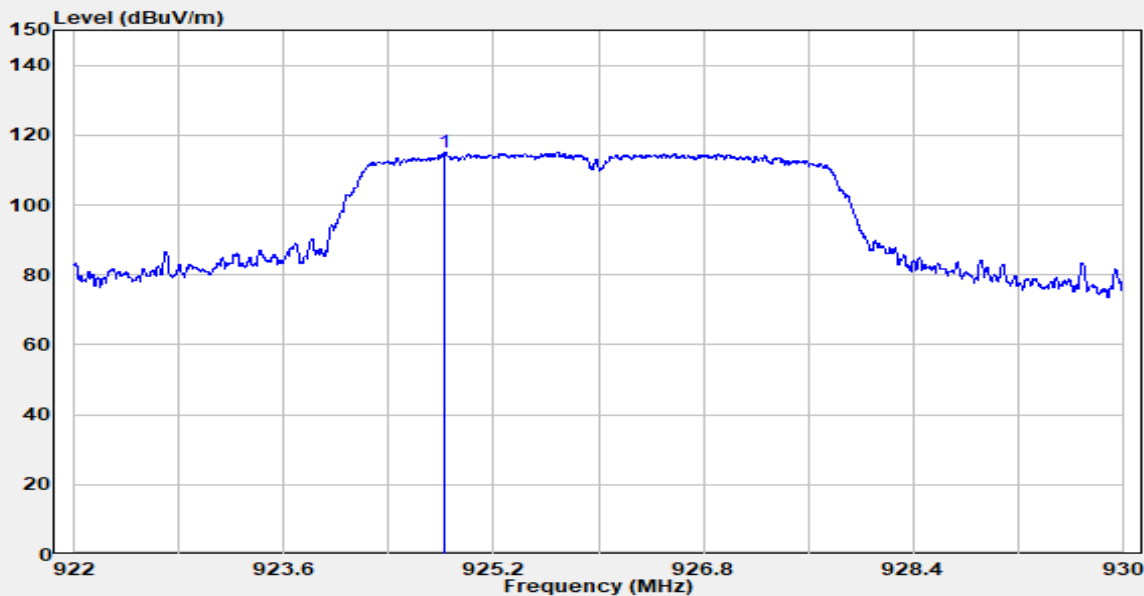
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Main
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-04-02
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
924.83	Peak	120.02	-4.83	115.19	-	-

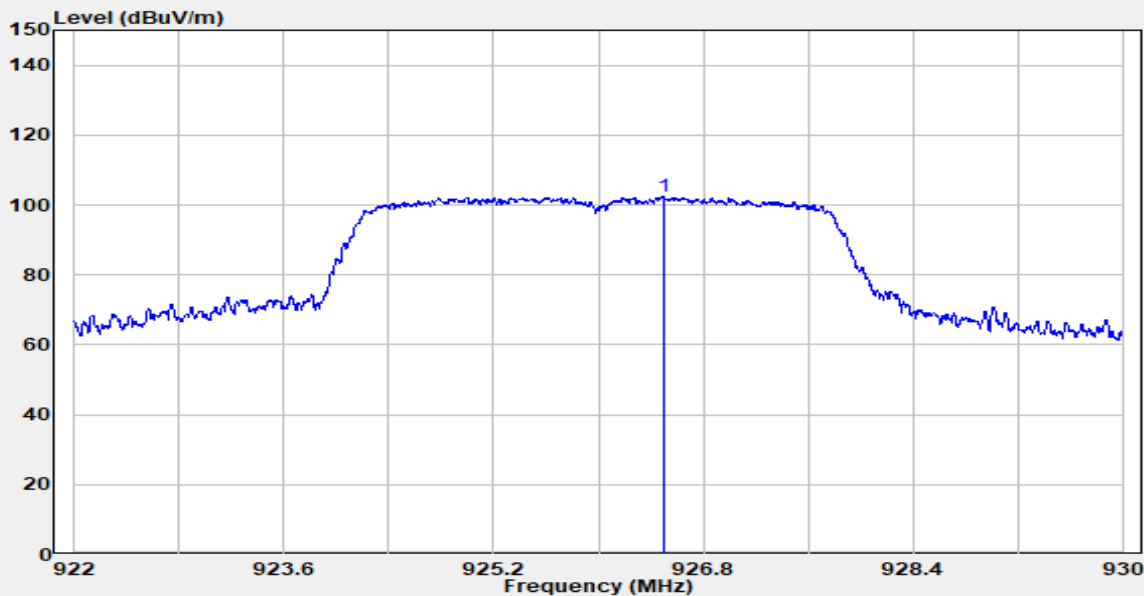
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :926 MHz
Test Mode :Main
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
926.50	Peak	107.19	-4.80	102.39	-	-

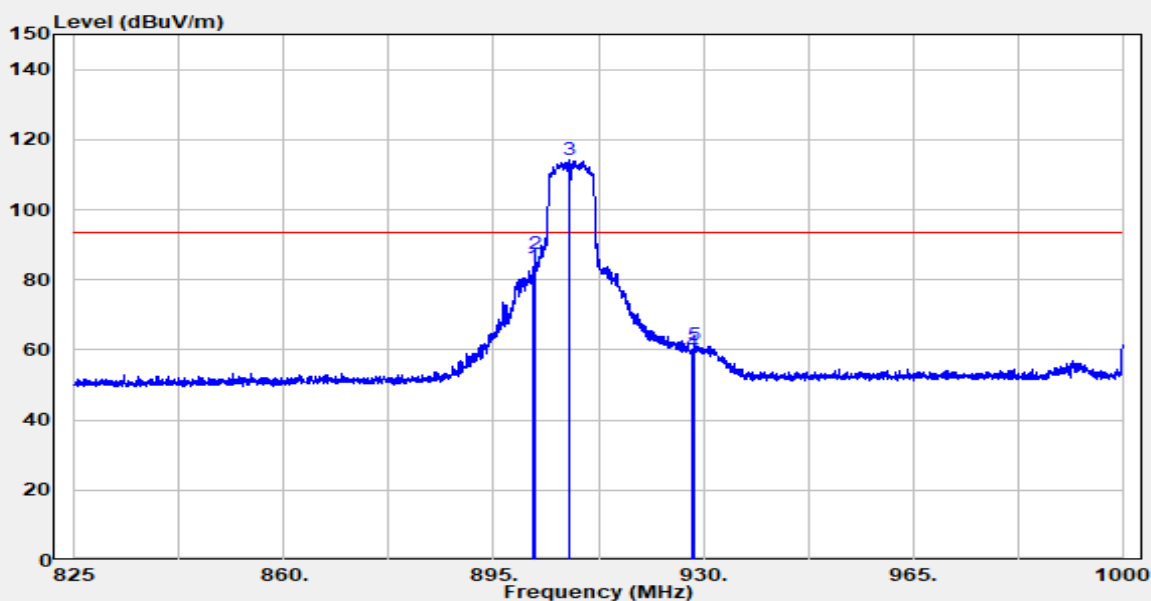
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :908 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-03-03
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
901.45	Peak	89.25	-5.33	83.92	93.53	-9.61
902.00	Peak	92.60	-5.31	87.29	93.53	-6.24
907.75	Peak	119.26	-5.19	114.07	-	-
928.00	Peak	64.17	-4.77	59.40	93.53	-34.13
928.41	Peak	66.27	-4.75	61.52	93.53	-32.01

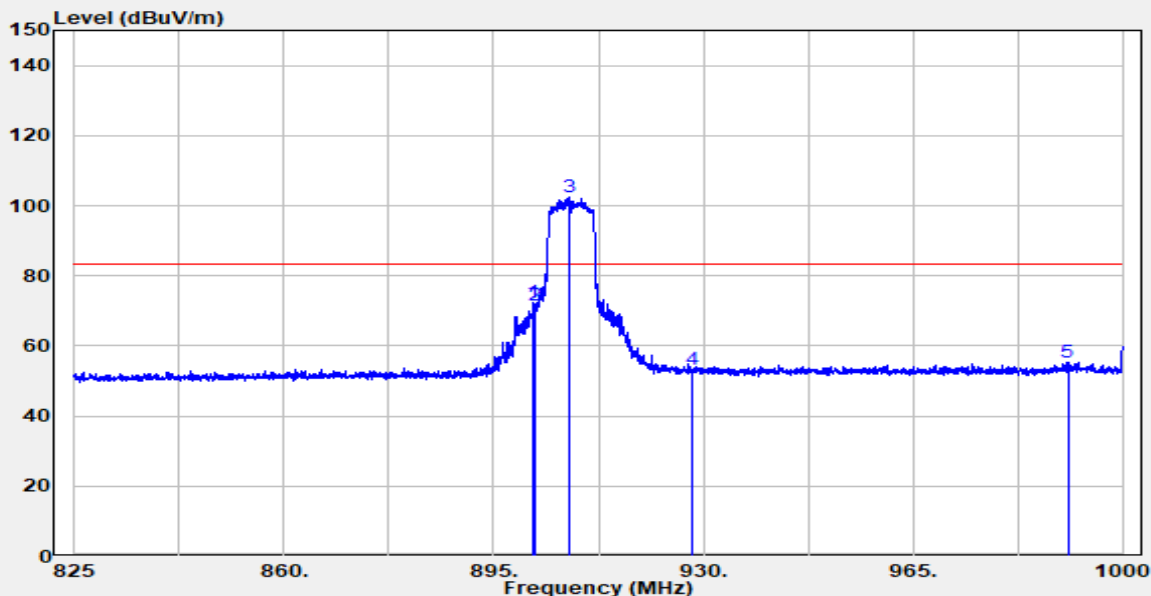
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



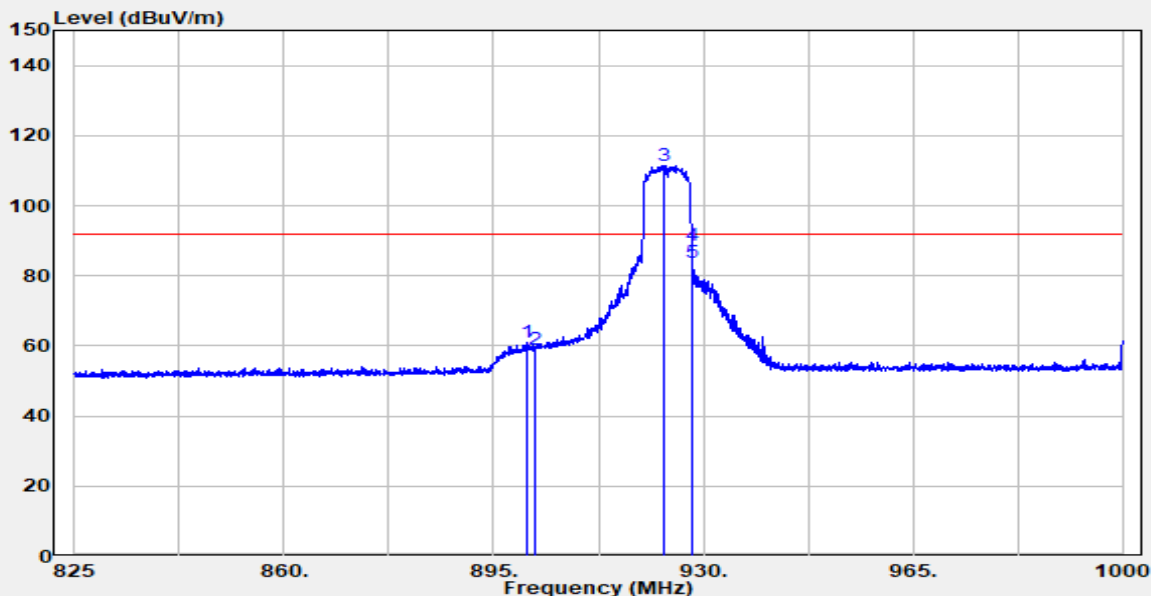
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
901.49	Peak	77.51	-5.33	72.18	83.38	-11.20
902.00	Peak	76.69	-5.31	71.38	83.38	-12.00
907.49	Peak	107.47	-5.20	102.27	-	-
928.00	Peak	58.10	-4.77	53.33	83.38	-30.05
990.90	Peak	59.36	-4.11	55.25	83.38	-28.13

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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :924 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
900.575	Peak	66.15	-5.35	60.80	91.68	-30.88
902.000	Peak	64.43	-5.32	59.11	91.68	-32.57
923.418	Peak	116.45	-4.86	111.58	-	-
928.000	Peak	93.41	-4.76	88.65	91.68	-3.03
928.232	Peak	88.48	-4.76	83.72	91.68	-7.96

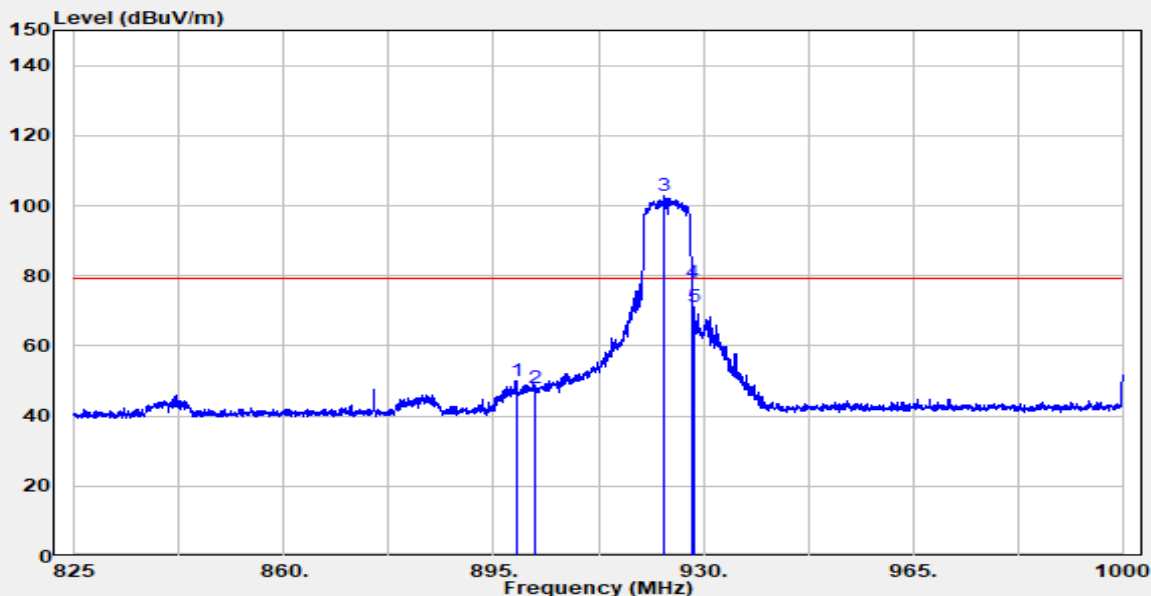
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-04-02
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



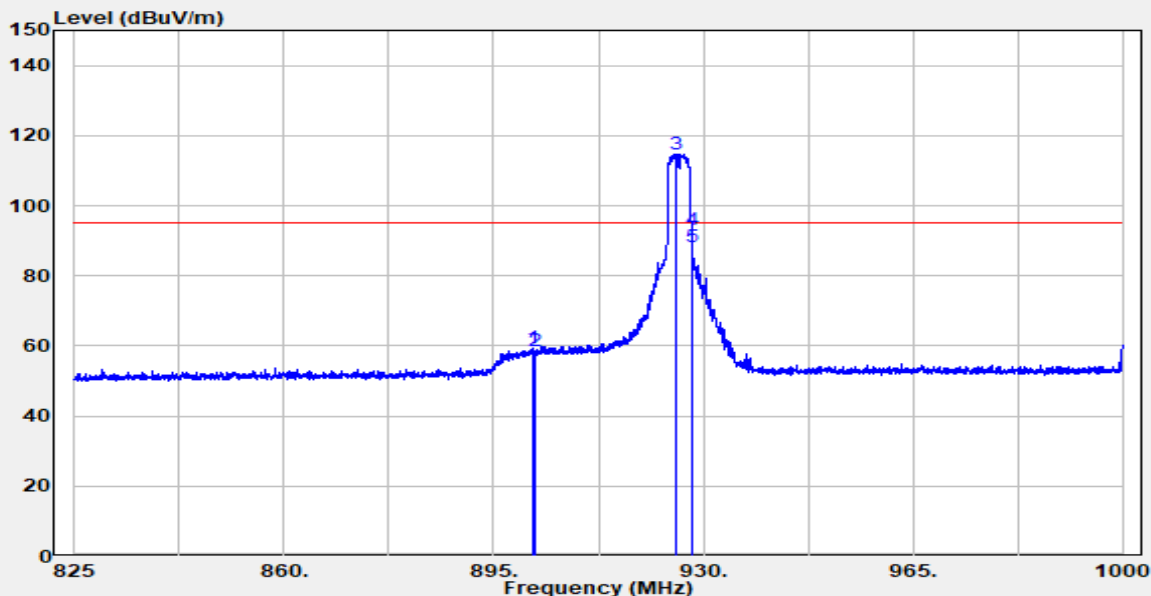
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
898.76	Peak	55.27	-5.38	49.89	79.14	-29.25
902.00	Peak	53.27	-5.31	47.96	79.14	-31.18
923.56	Peak	107.53	-4.86	102.67	-	-
928.00	Peak	82.75	-4.77	77.98	79.14	-1.16
928.52	Peak	76.03	-4.75	71.28	79.14	-7.86

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



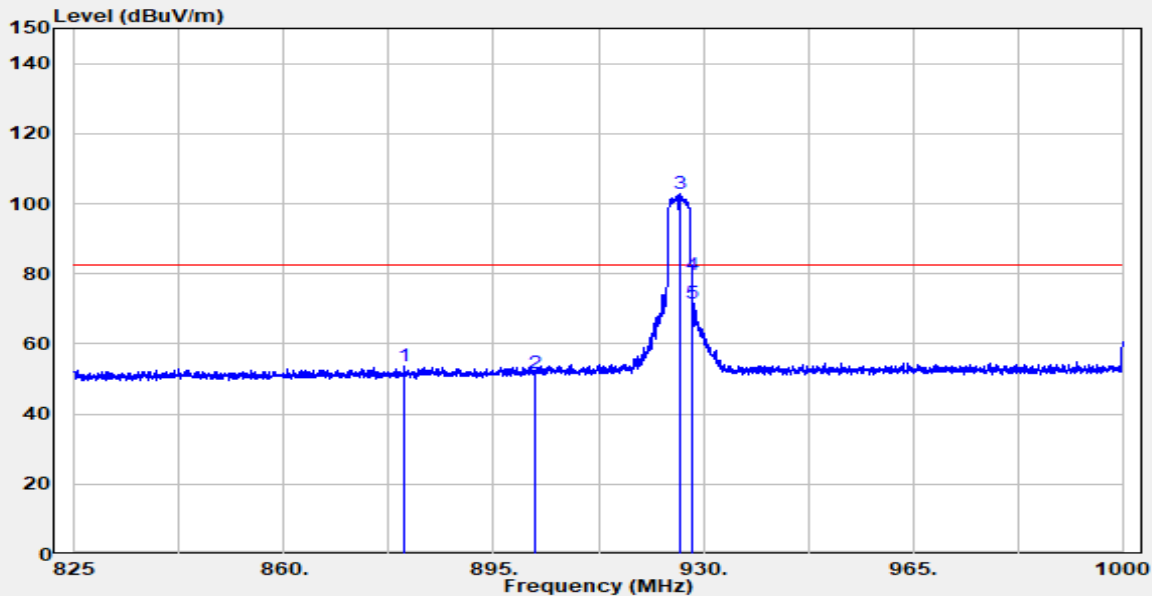
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
901.54	Peak	64.73	-5.33	59.40	95.19	-35.79
902.00	Peak	63.77	-5.31	58.46	95.19	-36.73
925.61	Peak	119.65	-4.82	114.83	-	-
928.00	Peak	97.69	-4.77	92.92	95.19	-2.27
928.10	Peak	92.93	-4.77	88.16	95.19	-7.03

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-03-03
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
880.10	Peak	59.29	-5.79	53.50	82.39	-28.89
902.00	Peak	57.00	-5.31	51.69	82.39	-30.70
926.22	Peak	107.73	-4.81	102.92	-	-
928.00	Peak	84.56	-4.77	79.79	82.39	-2.60
928.28	Peak	76.17	-4.76	71.41	82.39	-10.98

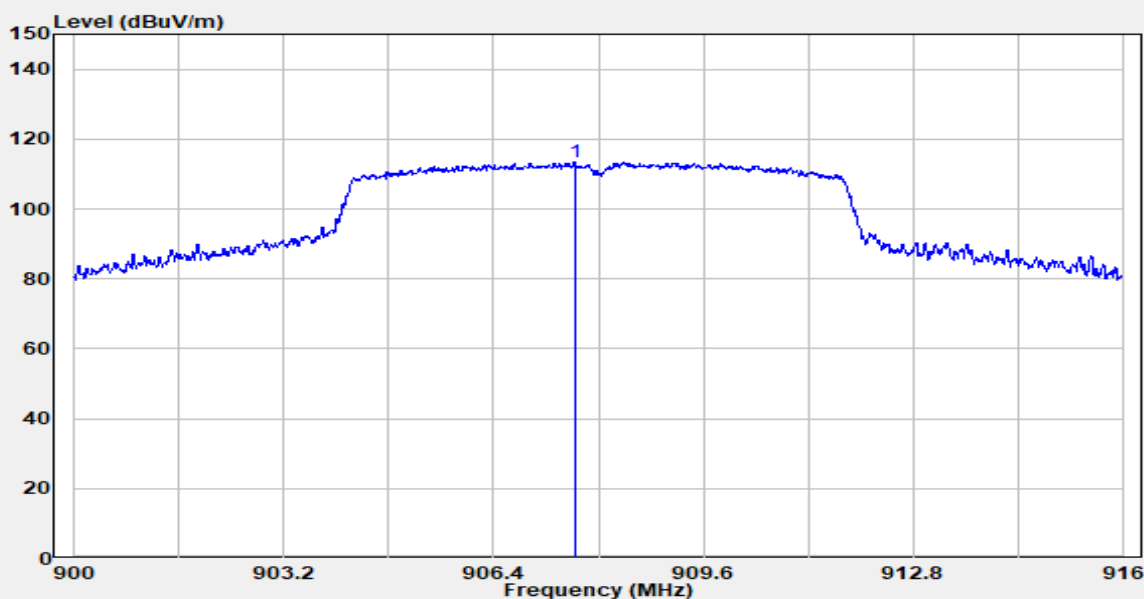
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Antenna: Monopole

Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :908 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



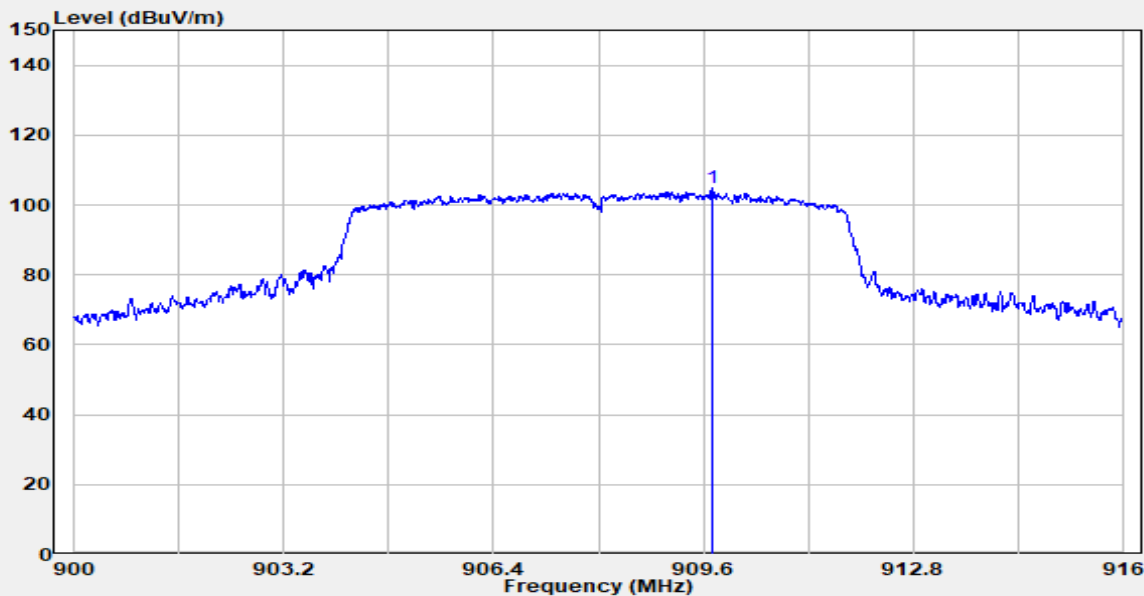
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
907.64	Peak	118.51	-5.20	113.31	-	-

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-02
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
909.74	Peak	109.92	-5.15	104.77	-	-

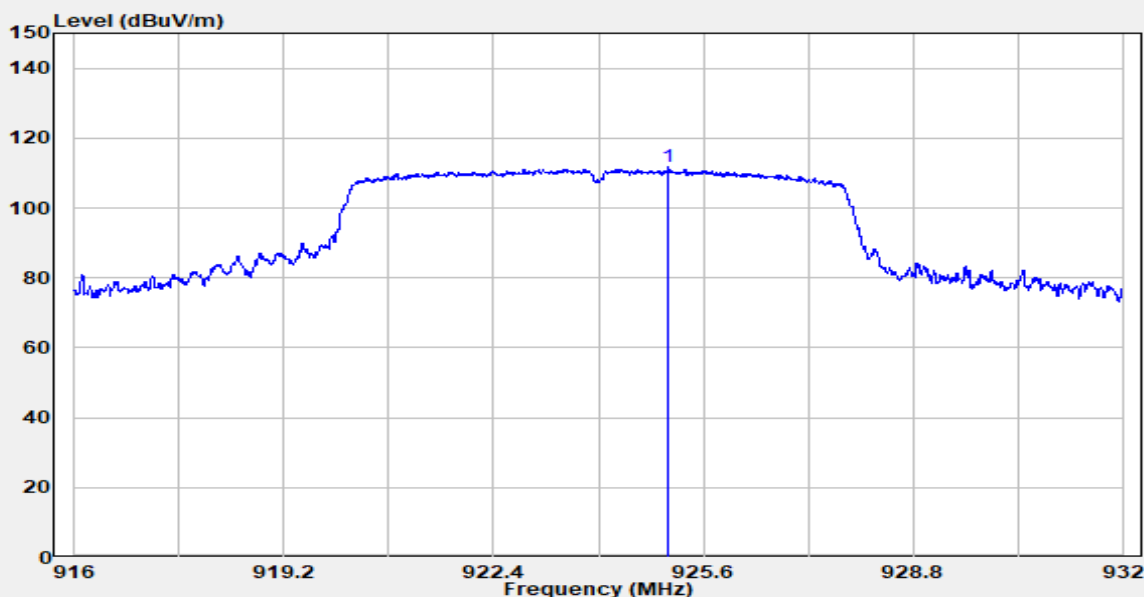
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-02
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



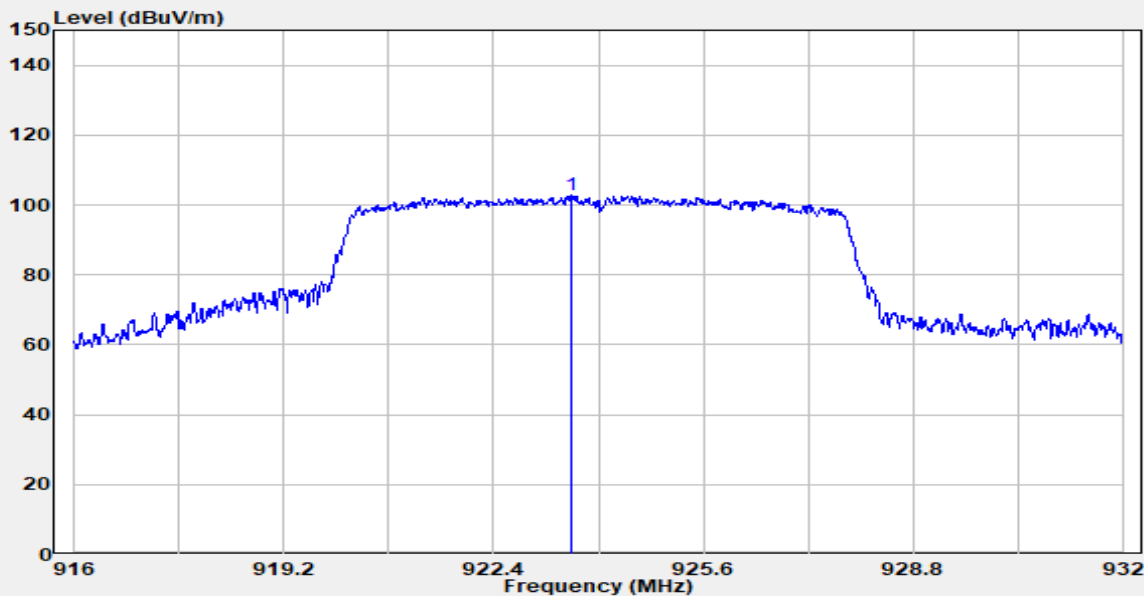
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
907.64	Peak	118.51	-5.20	113.31	-	-

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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :924 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
923.58	Peak	107.52	-4.86	102.66	-	-

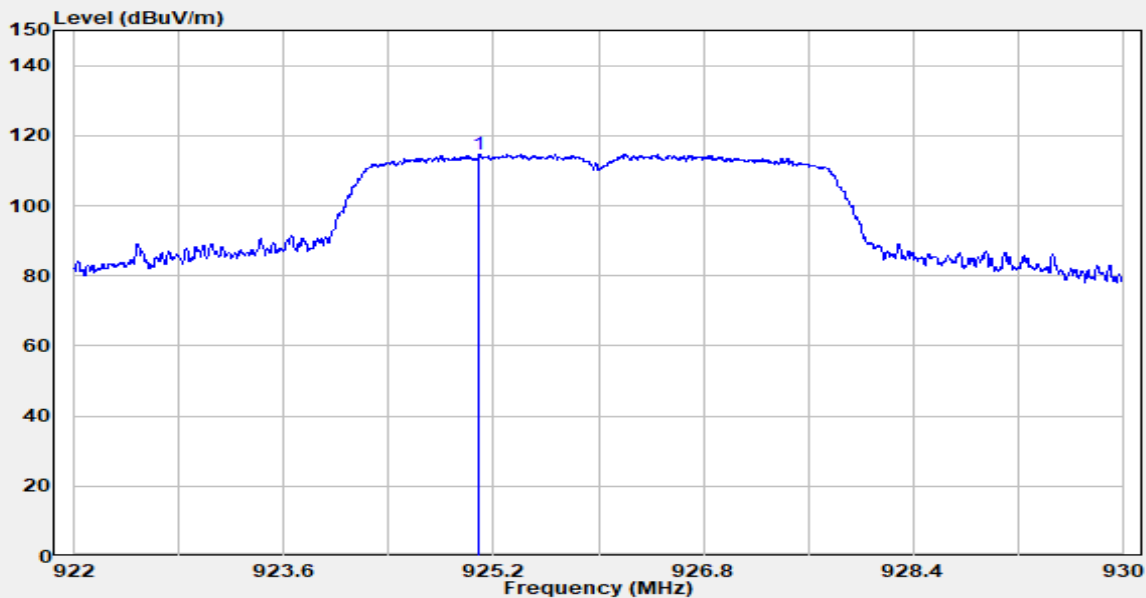
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :926 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC D
Test Date :2025-04-02
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



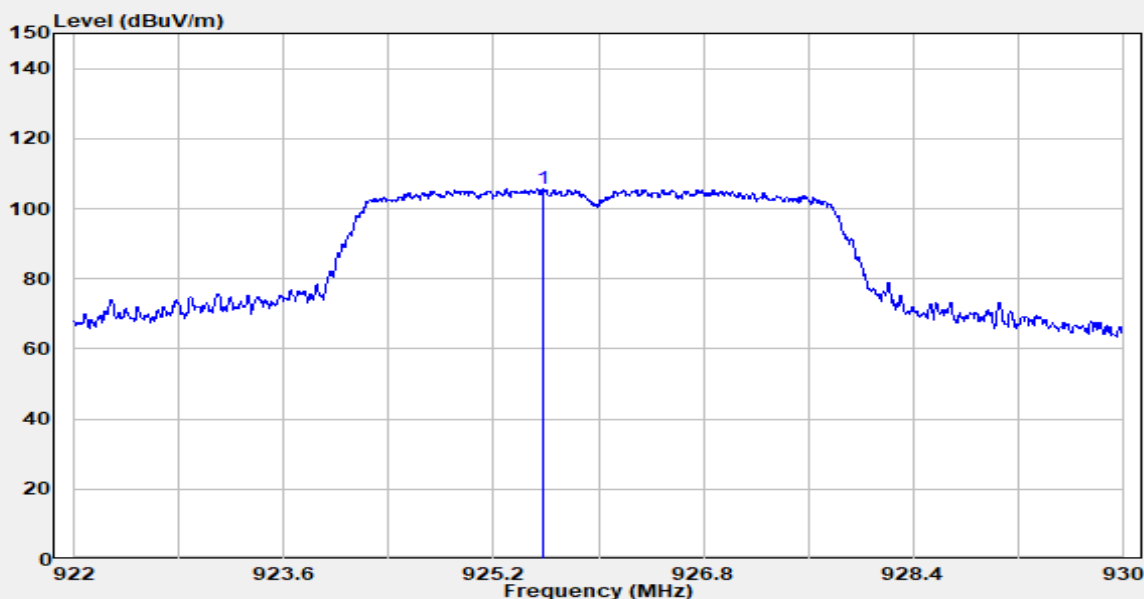
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
925.09	Peak	119.48	-4.83	114.65	-	-

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-02
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



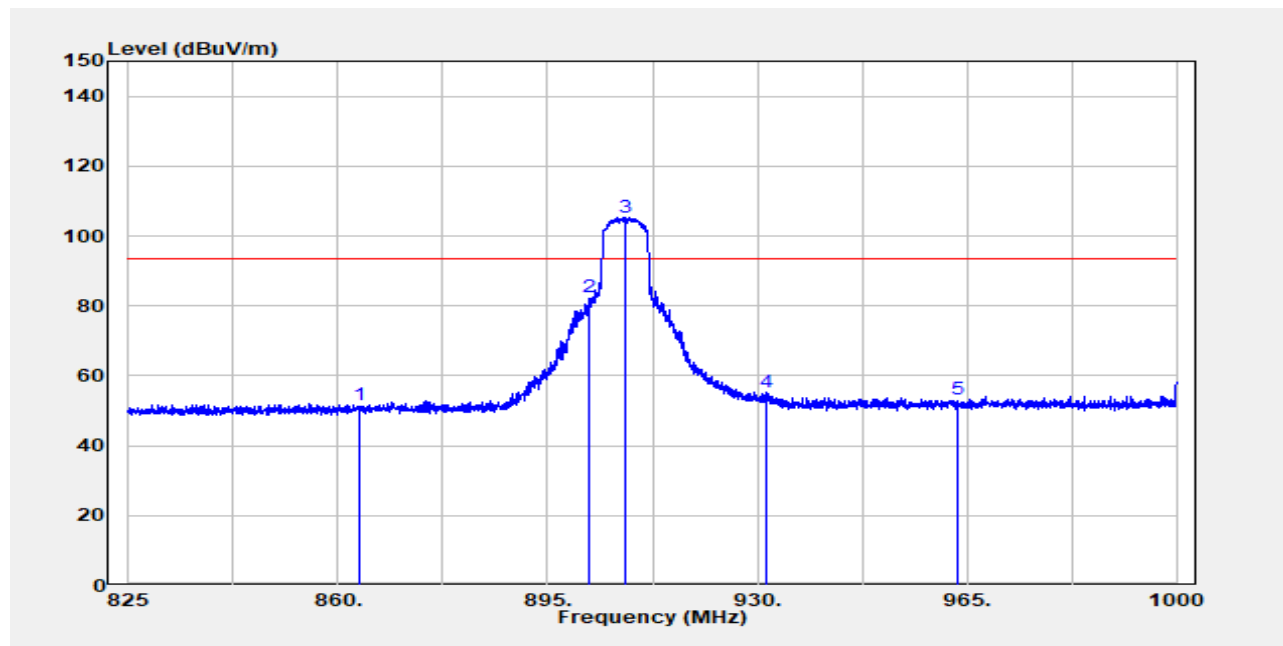
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
925.58	Peak	110.50	-4.82	105.68	-	-

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-03-04
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
863.51	Peak	57.52	-5.93	51.59	93.31	-41.72
901.93	Peak	87.89	-5.31	82.58	93.31	-10.73
908.00	Peak	110.61	-5.19	105.42	-	-
931.47	Peak	59.97	-4.69	55.28	93.31	-38.03
963.50	Peak	57.58	-4.23	53.35	93.31	-39.96

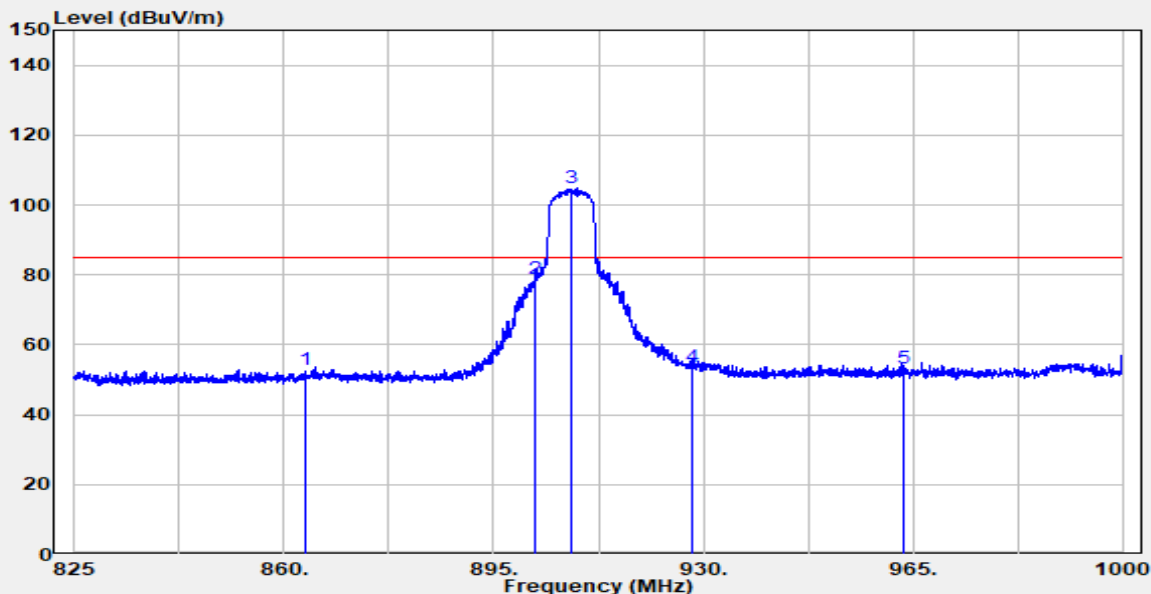
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-03-04
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



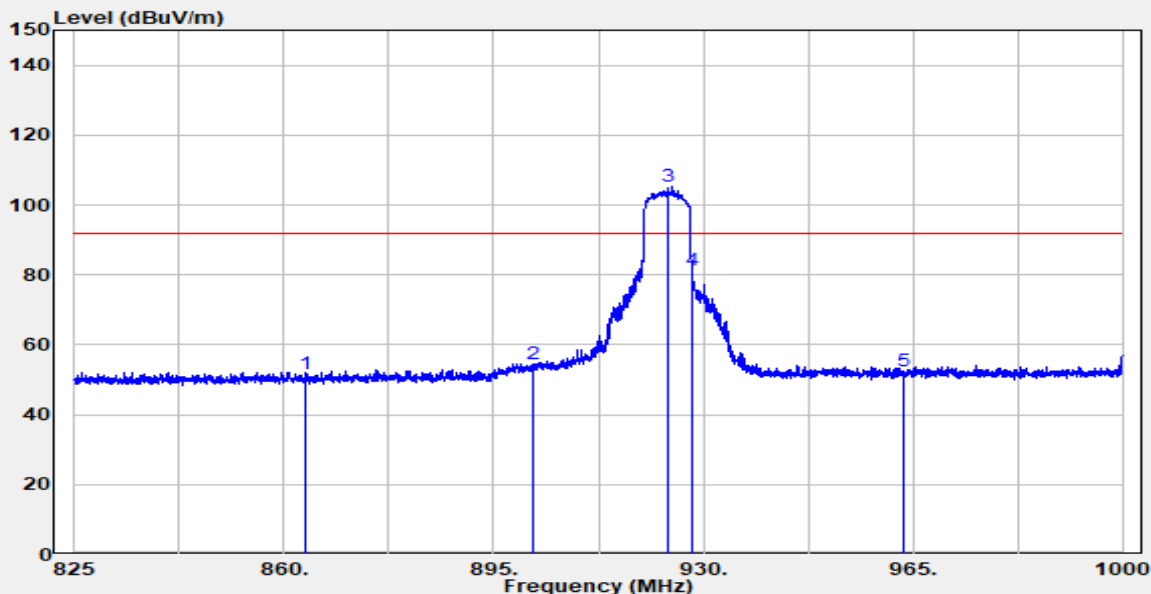
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
863.51	Peak	58.63	-5.93	52.70	84.77	-32.07
901.98	Peak	84.22	-5.31	78.91	84.77	-5.86
908.00	Peak	110.26	-5.19	105.07	-	-
928.14	Peak	58.47	-4.77	53.70	84.77	-31.07
963.50	Peak	57.29	-4.23	53.06	84.77	-31.71

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-03-04
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



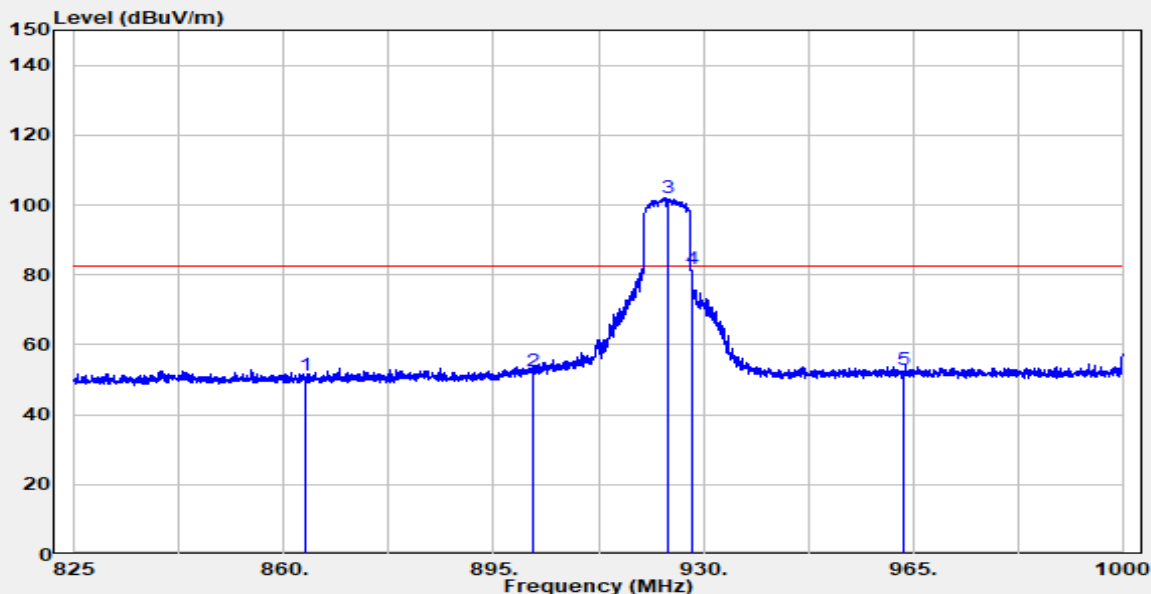
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
863.510	Peak	57.76	-5.93	51.83	91.77	-39.94
901.582	Peak	59.96	-5.33	54.63	91.77	-37.14
924.000	Peak	109.99	-4.85	105.14	-	-
928.013	Peak	85.86	-4.76	81.10	91.77	-10.67
963.503	Peak	56.82	-4.23	52.59	91.77	-39.18

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-03-04
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



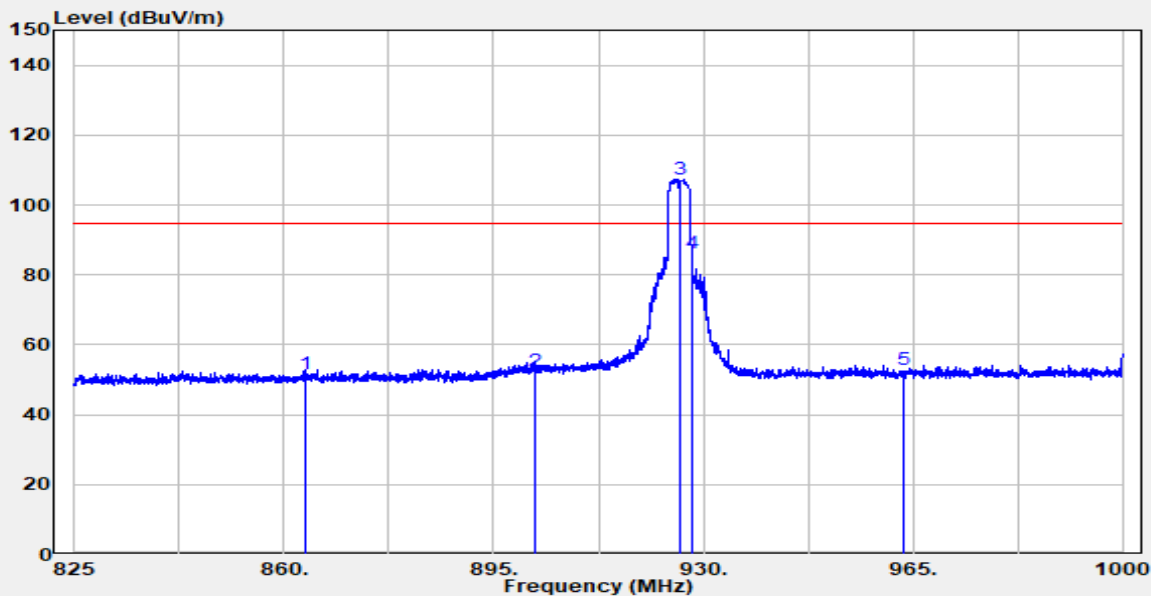
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
863.51	Peak	57.12	-5.93	51.19	82.66	-31.47
901.45	Peak	57.74	-5.33	52.41	82.66	-30.25
924.00	Peak	106.89	-4.85	102.04	-	-
928.01	Peak	86.63	-4.77	81.86	82.66	-0.80
963.50	Peak	57.00	-4.23	52.77	82.66	-29.89

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-03-04
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



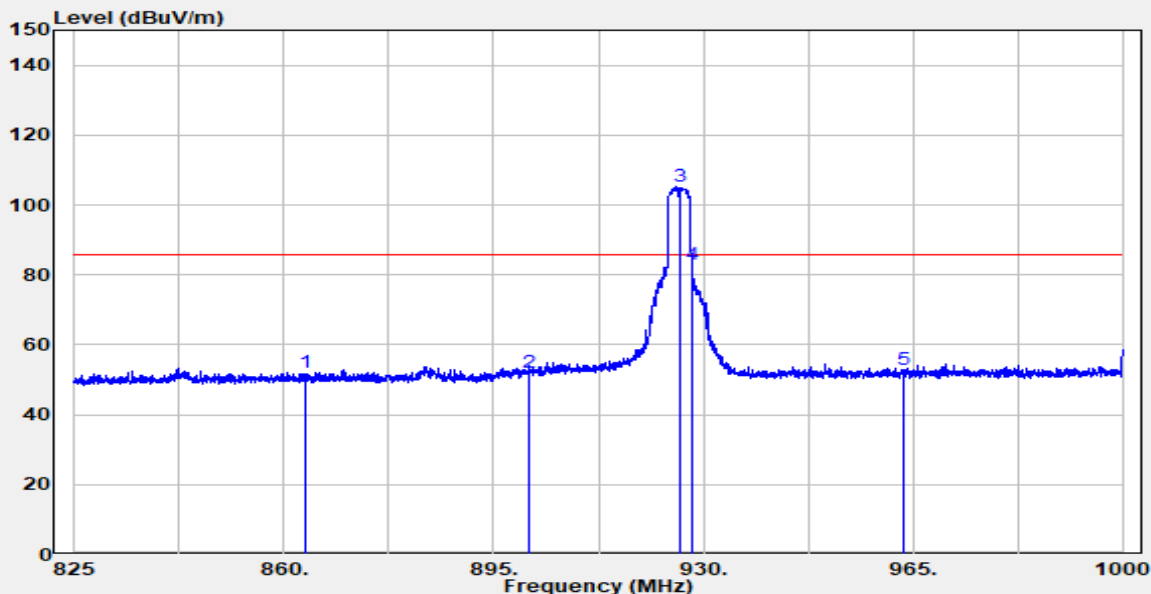
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
863.51	Peak	57.63	-5.93	51.70	94.65	-42.95
901.76	Peak	57.60	-5.31	52.29	94.65	-42.36
926.00	Peak	112.26	-4.81	107.45	-	-
928.01	Peak	91.14	-4.77	86.37	94.65	-8.28
963.50	Peak	57.24	-4.23	53.01	94.65	-41.64

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-03-04
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
863.51	Peak	57.87	-5.93	51.94	85.68	-33.74
901.01	Peak	57.24	-5.34	51.90	85.68	-33.78
926.00	Peak	110.05	-4.81	105.24	-	-
928.01	Peak	87.74	-4.77	82.97	85.68	-2.71
963.50	Peak	57.09	-4.23	52.86	85.68	-32.82

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8.6.2 Radiated Spurious Emission

Antenna: Chip

Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 4M

Test Date :2025-04-01

Test Frequency :914 MHz

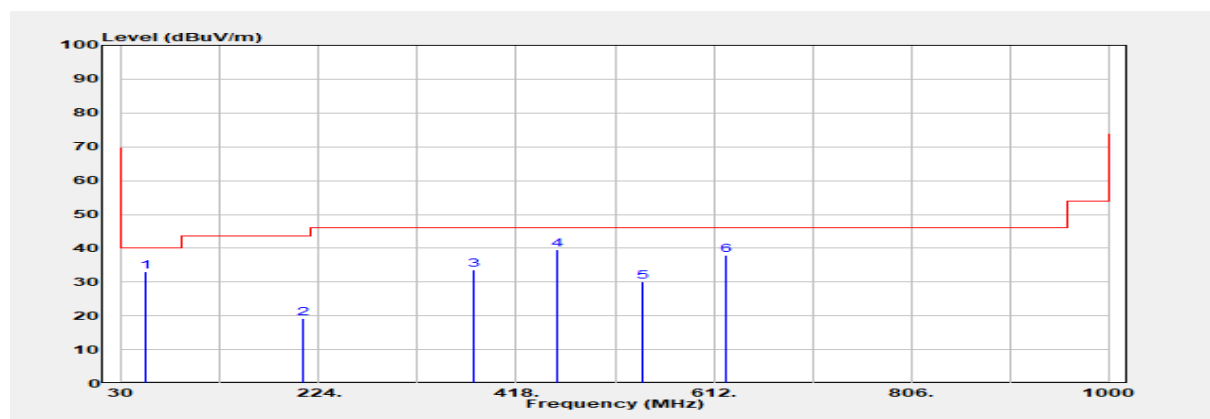
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
54.250	QP	45.66	-12.63	33.03	40.00	-6.97
208.480	QP	35.30	-16.01	19.29	43.50	-24.21
375.320	QP	43.68	-10.03	33.65	46.00	-12.35
458.740	QP	47.40	-7.76	39.64	46.00	-6.36
541.190	QP	36.60	-6.52	30.08	46.00	-15.92
624.610	Peak	42.19	-4.36	37.83	46.00	-8.17

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Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 4M

Test Date :2025-04-01

Test Frequency :914 MHz

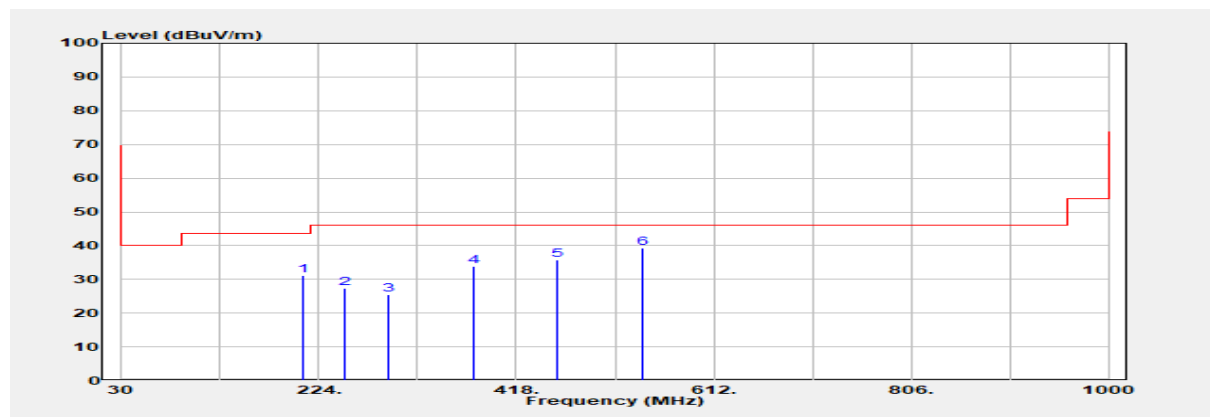
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
208.480	QP	47.30	-16.01	31.29	43.50	-12.21
250.190	QP	41.20	-13.88	27.32	46.00	-18.68
291.900	QP	37.50	-12.08	25.42	46.00	-20.58
375.320	QP	43.90	-10.03	33.87	46.00	-12.13
458.740	QP	43.60	-7.76	35.84	46.00	-10.16
541.190	Peak	45.92	-6.52	39.40	46.00	-6.60

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SGS Taiwan Ltd.

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台灣檢驗科技股份有限公司

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www.sgs.com.tw

Member of SGS Group

Report Number :TERF2502000777E2

Test Site :SAC G

Operation Mode :802.11ah 8M

Test Date :2025-04-01

Test Frequency :916 MHz

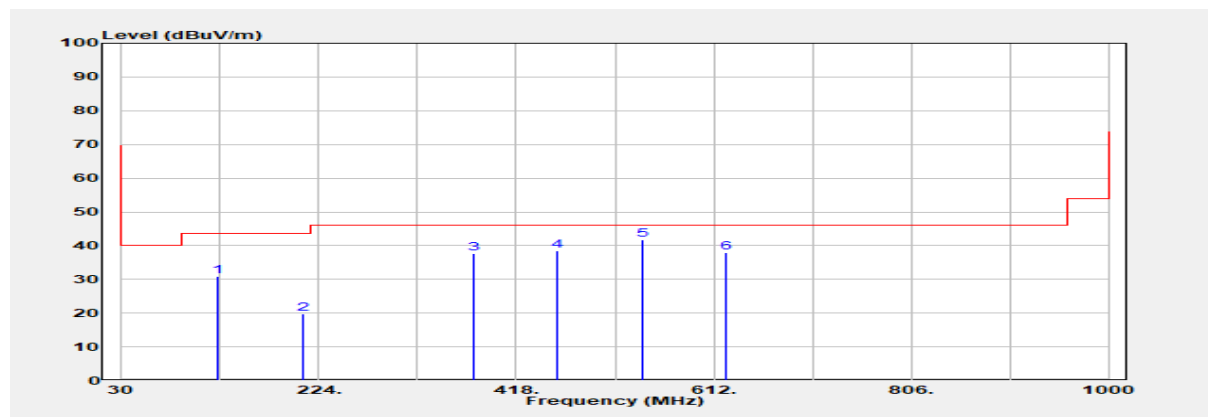
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
125.060	QP	45.90	-15.02	30.88	43.50	-12.62
208.480	QP	35.80	-16.01	19.79	43.50	-23.71
375.320	QP	47.80	-10.03	37.77	46.00	-8.23
458.740	QP	46.30	-7.76	38.54	46.00	-7.46
542.160	QP	48.30	-6.52	41.78	46.00	-4.22
624.610	Peak	42.20	-4.36	37.84	46.00	-8.16

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Report Number :TERF2502000777E2

Test Site :SAC G

Operation Mode :802.11ah 8M

Test Date :2025-04-01

Test Frequency :916 MHz

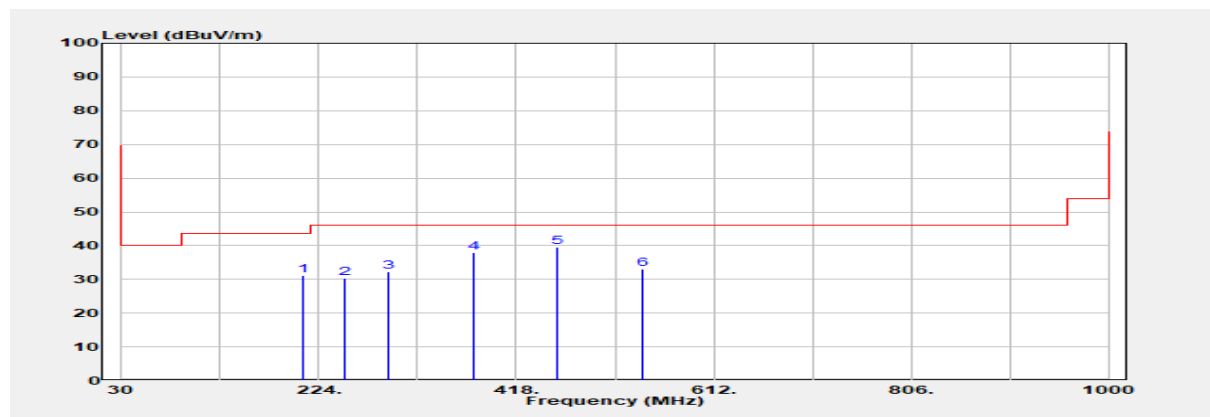
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
208.480	QP	47.30	-16.01	31.29	43.50	-12.21
250.190	QP	44.12	-13.88	30.25	46.00	-15.75
291.900	QP	44.30	-12.08	32.22	46.00	-13.78
375.320	QP	47.85	-10.03	37.82	46.00	-8.18
458.740	QP	47.30	-7.76	39.54	46.00	-6.46
541.190	QP	39.50	-6.52	32.98	46.00	-13.02

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t (886-2) 2299-3279

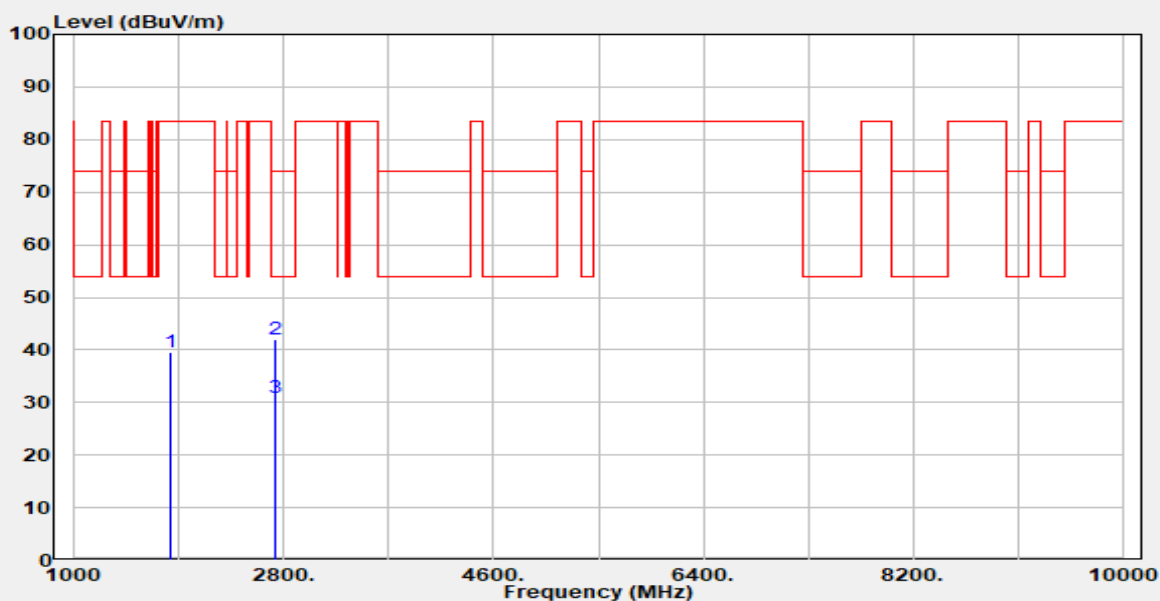
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :908 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-04-01
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



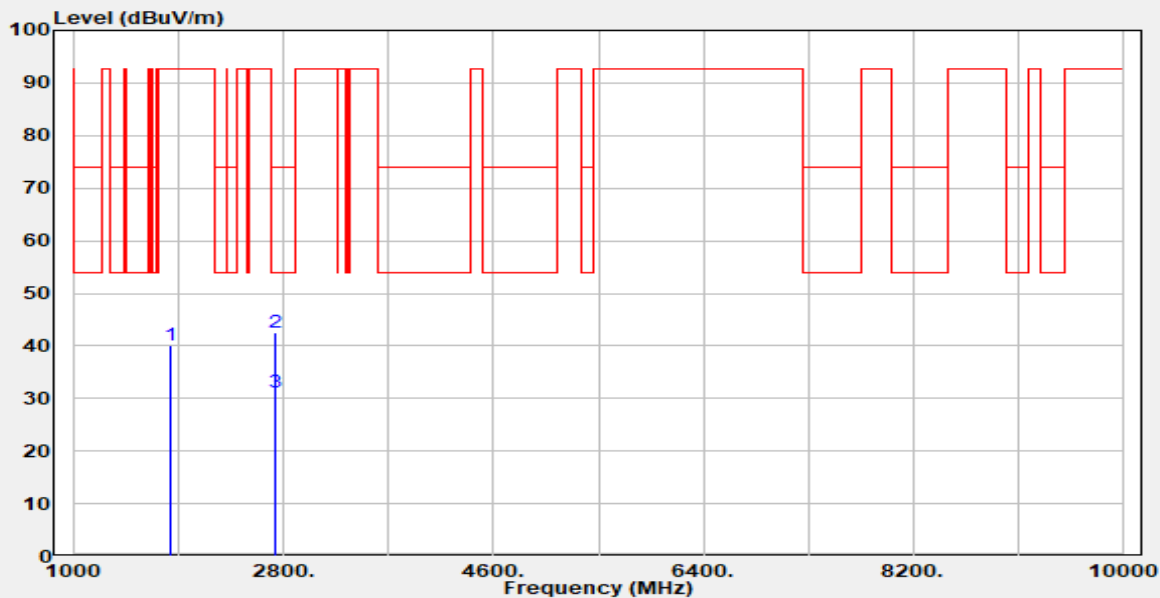
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
1816.00	Peak	39.87	-0.41	39.46	83.46	-44.00
2724.00	Peak	38.26	3.86	42.12	74.00	-31.88
2724.00	Average	27.11	3.86	30.97	54.00	-23.03

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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :908 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-04-01
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



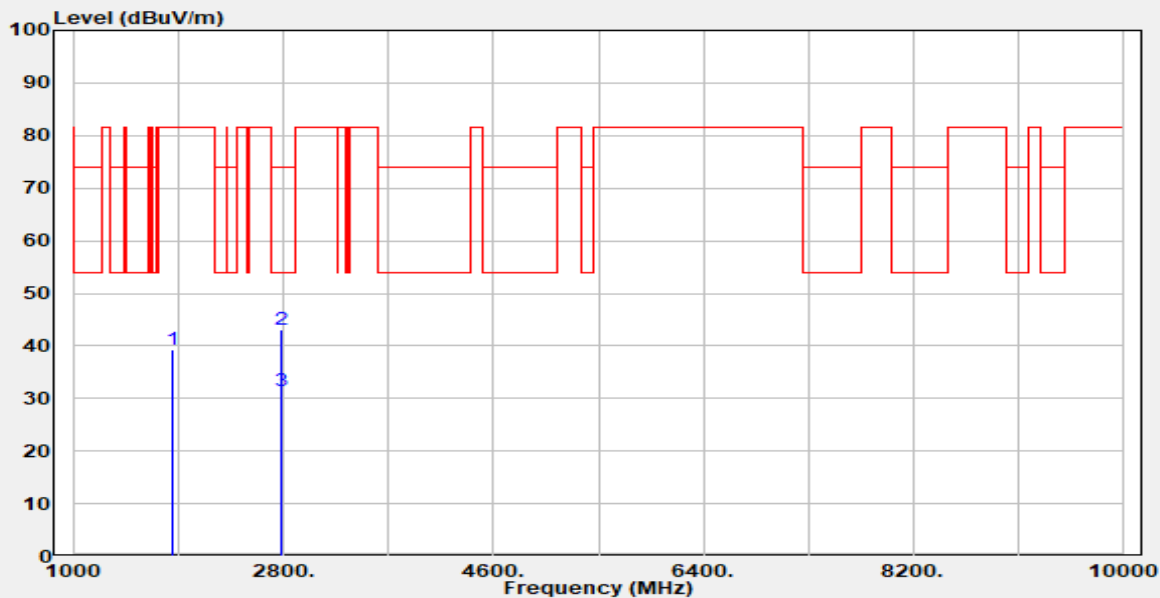
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
1816.00	Peak	40.43	-0.41	40.02	92.81	-52.79
2724.00	Peak	38.78	3.86	42.64	74.00	-31.36
2724.00	Average	27.18	3.86	31.04	54.00	-22.96

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



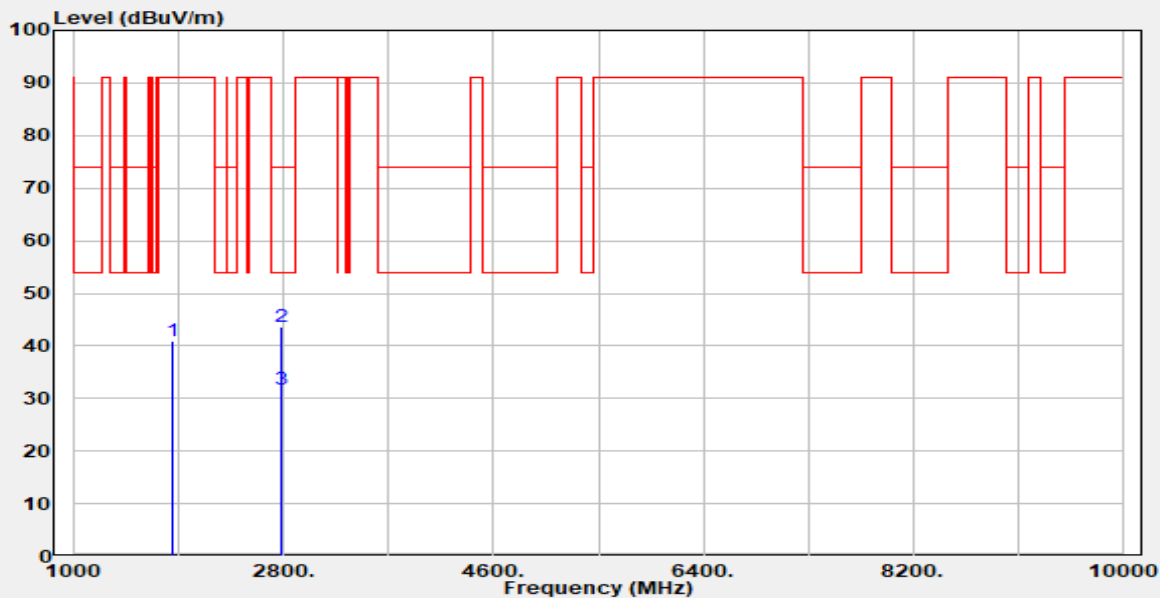
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1848.000	Peak	39.43	-0.03	39.41	81.54	-42.13
2772.000	Peak	38.90	4.14	43.04	74.00	-30.96
2772.000	Average	27.43	4.14	31.57	54.00	-22.43

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1848.00	Peak	40.90	-0.02	40.88	90.96	-50.08
2772.00	Peak	39.61	4.13	43.74	74.00	-30.26
2772.00	Average	27.46	4.13	31.59	54.00	-22.41

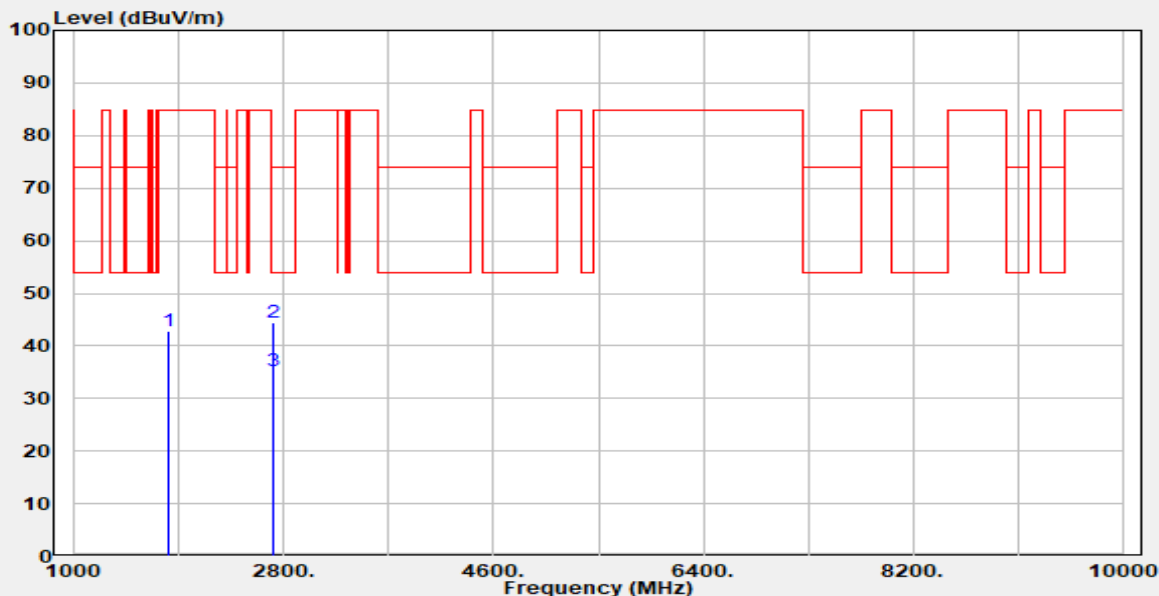
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-02-17
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



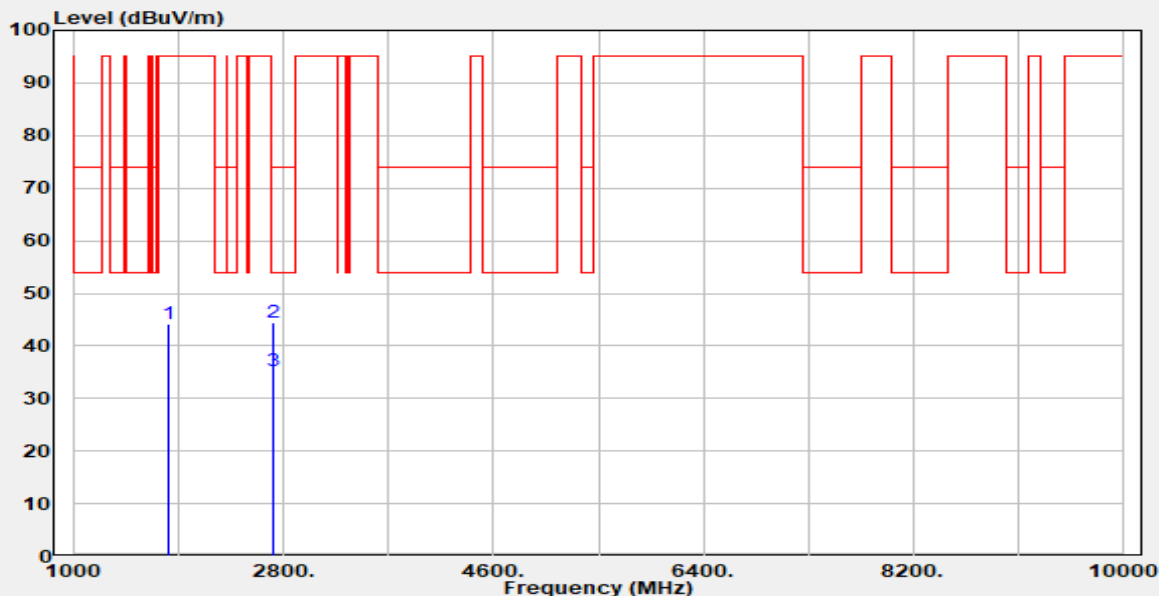
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1805.00	Peak	43.24	-0.40	42.84	84.73	-41.89
2707.50	Peak	40.80	3.72	44.52	74.00	-29.48
2707.50	Average	31.50	3.72	35.22	54.00	-18.78

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-02-17
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1805.00	Peak	44.68	-0.40	44.28	95.00	-50.72
2707.50	Peak	40.64	3.72	44.36	74.00	-29.64
2707.50	Average	31.64	3.72	35.36	54.00	-18.64

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Antenna: Dipole

Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 4M

Test Date :2025-04-01

Test Frequency :914 MHz

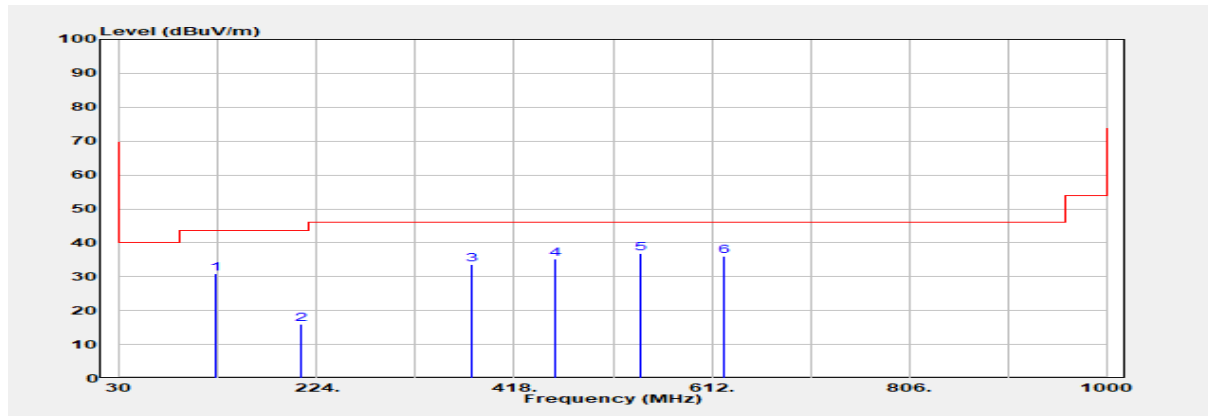
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
125.060	QP	45.84	-15.02	30.82	43.50	-12.68
208.480	QP	32.10	-16.01	16.09	43.50	-27.41
375.320	QP	43.60	-10.03	33.57	46.00	-12.43
458.740	QP	42.90	-7.76	35.14	46.00	-10.86
542.160	QP	43.50	-6.52	36.98	46.00	-9.02
624.610	Peak	40.32	-4.36	35.96	46.00	-10.04

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SGS Taiwan Ltd.

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Member of SGS Group

Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 4M

Test Date :2025-04-01

Test Frequency :914 MHz

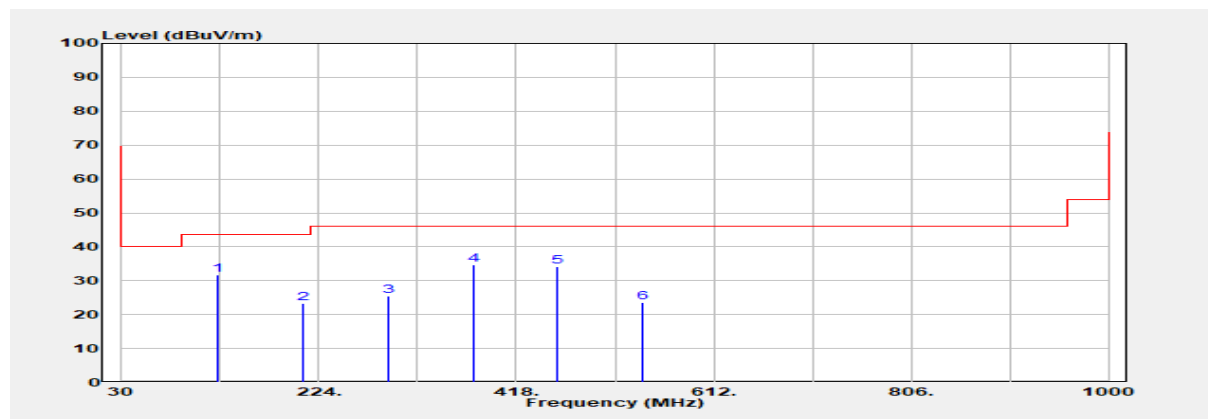
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
125.060	QP	46.70	-15.02	31.68	43.50	-11.82
208.480	QP	39.40	-16.01	23.39	43.50	-20.11
291.900	QP	37.50	-12.08	25.42	46.00	-20.58
375.320	QP	44.70	-10.03	34.67	46.00	-11.33
458.740	QP	41.80	-7.76	34.04	46.00	-11.96
542.160	QP	30.20	-6.52	23.68	46.00	-22.32

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Report Number :TERF2502000777E2

Test Site :SAC G

Operation Mode :802.11ah 8M

Test Date :2025-04-01

Test Frequency :916 MHz

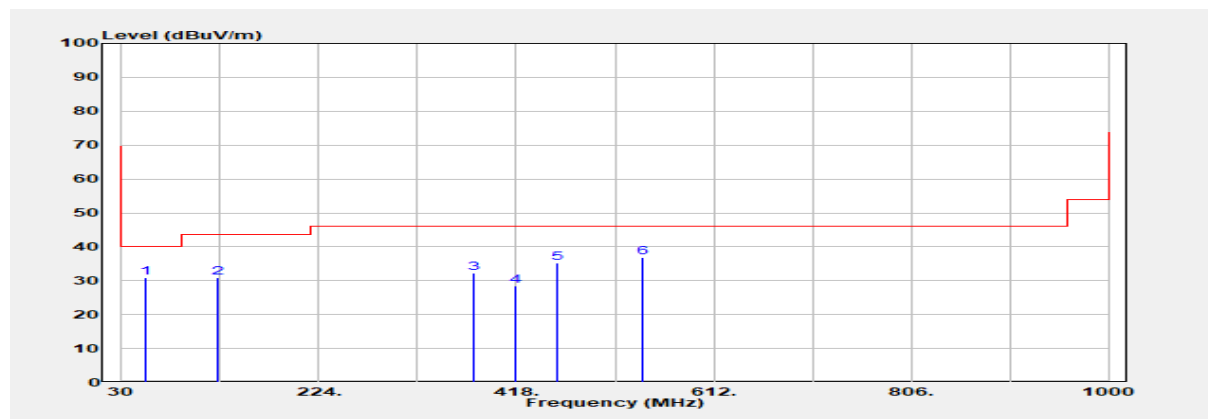
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
54.250	QP	43.40	-12.63	30.77	40.00	-9.23
125.060	QP	45.90	-15.02	30.87	43.50	-12.63
375.320	QP	42.20	-10.03	32.17	46.00	-13.83
417.030	QP	37.65	-9.14	28.51	46.00	-17.49
458.740	QP	42.90	-7.76	35.14	46.00	-10.86
541.190	QP	43.50	-6.52	36.98	46.00	-9.02

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Report Number :TERF2502000777E2

Test Site :SAC G

Operation Mode :802.11ah 8M

Test Date :2025-04-01

Test Frequency :916 MHz

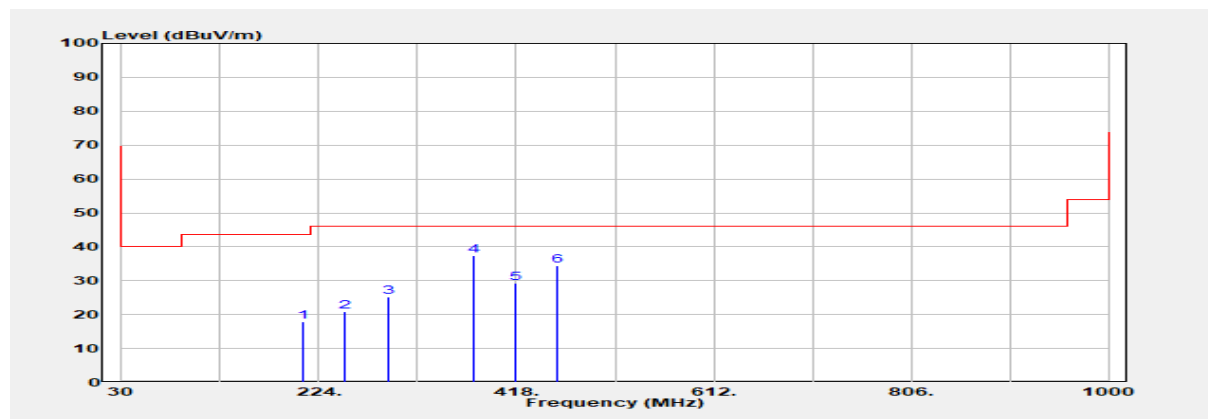
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
208.480	QP	33.90	-16.01	17.89	43.50	-25.61
250.190	QP	34.80	-13.88	20.92	46.00	-25.08
291.900	QP	37.30	-12.08	25.22	46.00	-20.78
375.320	QP	47.30	-10.03	37.27	46.00	-8.73
417.030	QP	38.50	-9.14	29.36	46.00	-16.64
458.740	QP	42.10	-7.76	34.34	46.00	-11.66

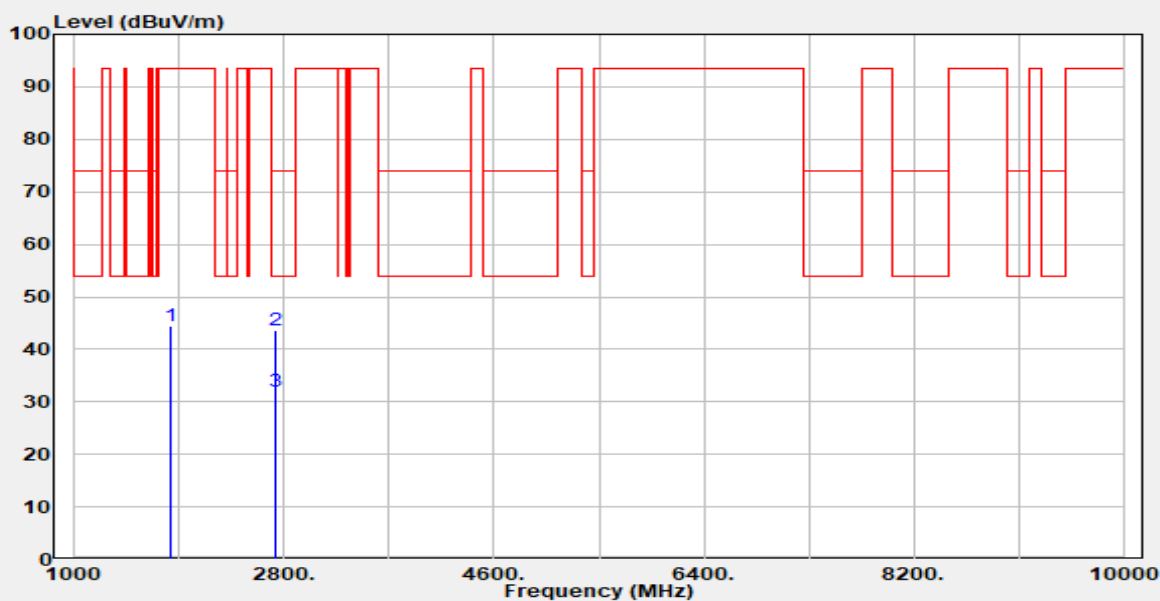
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :908 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC D
Test Date :2025-04-01
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



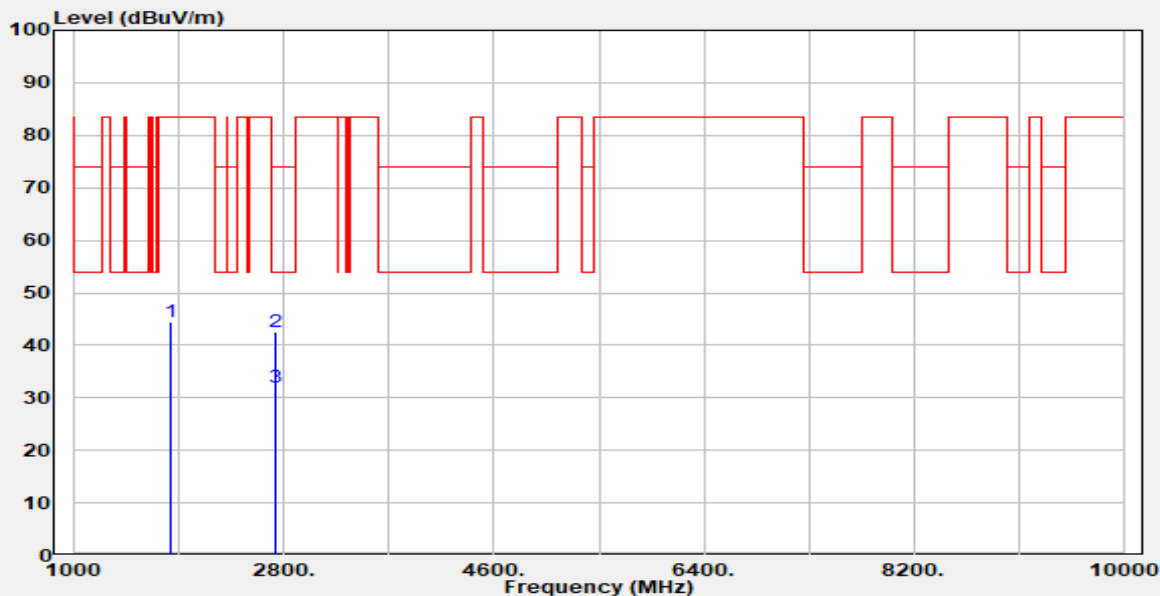
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1816.00	Peak	44.74	-0.41	44.33	93.53	-49.20
2724.00	Peak	39.76	3.86	43.62	74.00	-30.38
2724.00	Average	28.17	3.86	32.03	54.00	-21.97

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Report Number :TERF2502000777E2
Operation Mode :802.11ah 8M
Test Frequency :908 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC D
Test Date :2025-04-01
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



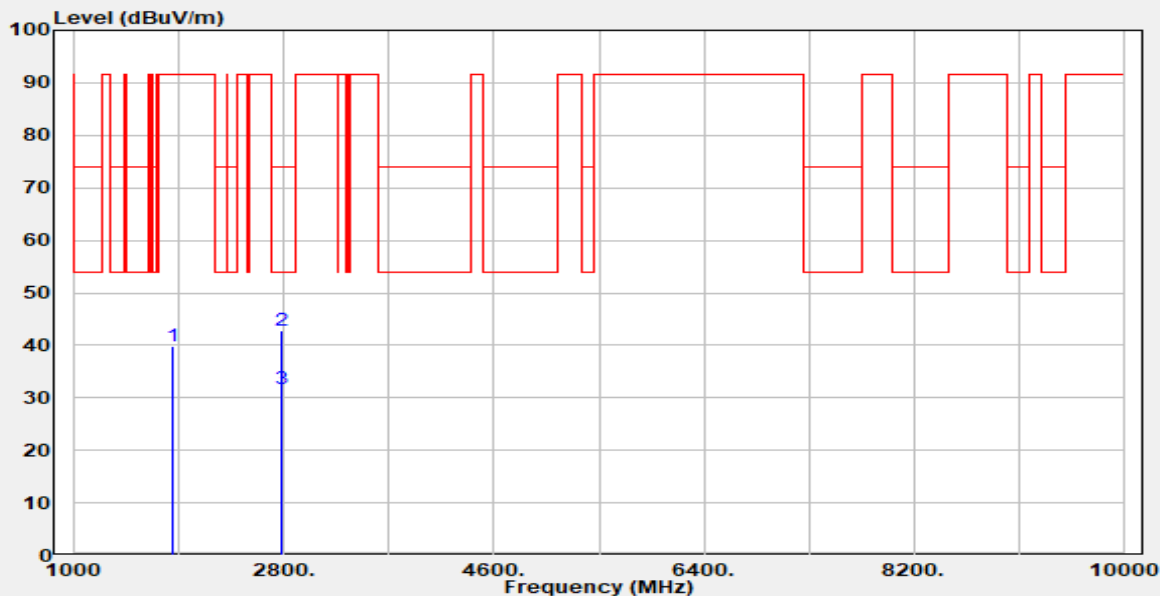
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1816.00	Peak	44.88	-0.41	44.47	83.38	-38.91
2724.00	Peak	38.81	3.86	42.67	74.00	-31.33
2724.00	Average	28.11	3.86	31.97	54.00	-22.03

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
1848.000	Peak	39.75	-0.03	39.72	91.68	-51.96
2772.000	Peak	38.64	4.14	42.78	74.00	-31.22
2772.000	Average	27.64	4.14	31.78	54.00	-22.22

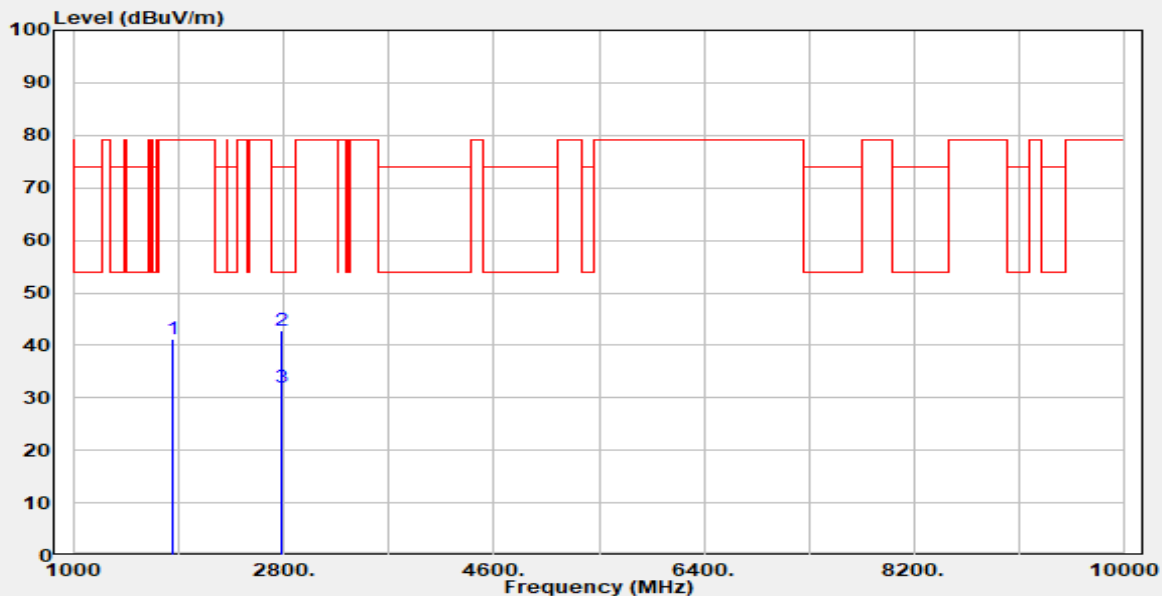
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



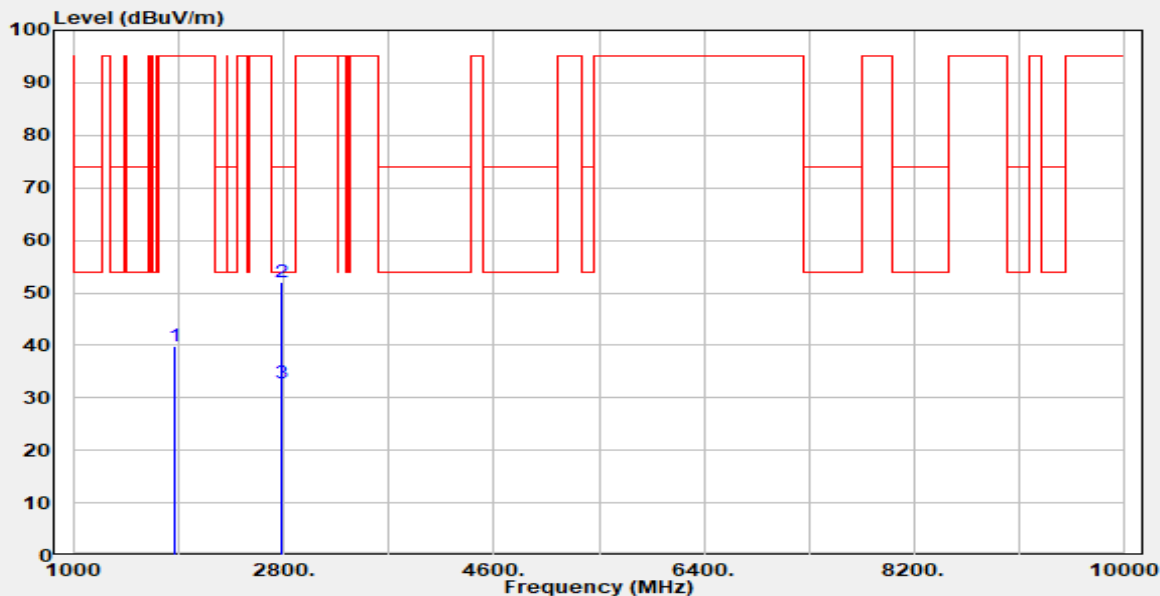
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1848.00	Peak	41.28	-0.02	41.26	79.14	-37.88
2772.00	Peak	38.72	4.13	42.85	74.00	-31.15
2772.00	Average	27.72	4.13	31.85	54.00	-22.15

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Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :926 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC D
Test Date :2025-04-01
Temp./Humi. :20.5°C/58%
Antenna Pol. :Vertical
Engineer :Alex Li



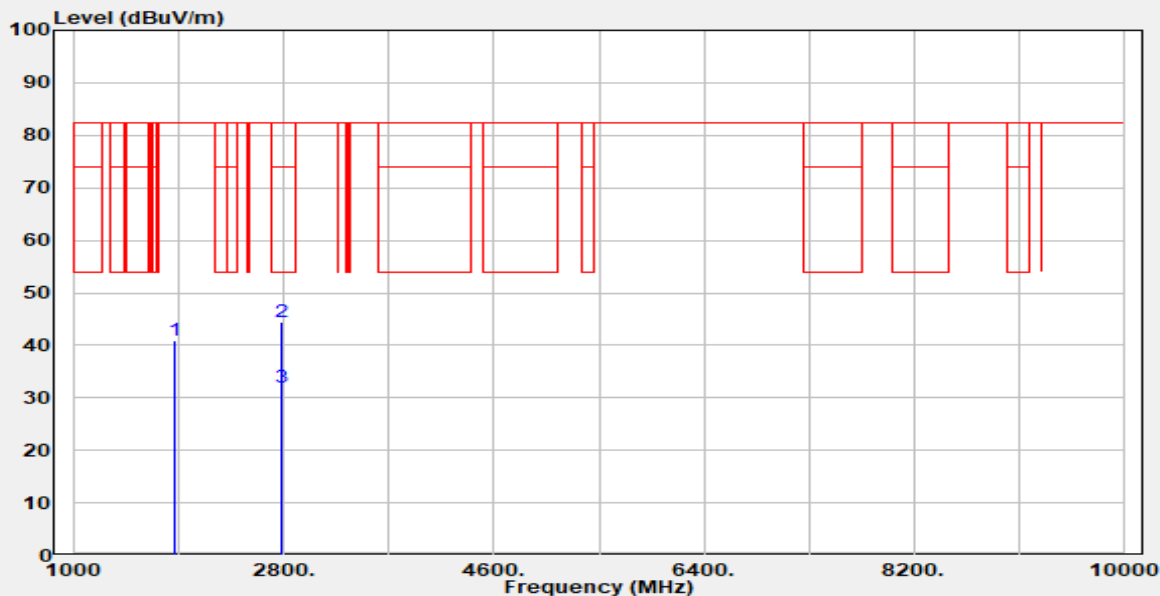
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1852.00	Peak	39.80	0.00	39.80	95.19	-55.39
2778.00	Peak	47.85	4.20	52.05	74.00	-21.95
2778.00	Average	28.46	4.20	32.66	54.00	-21.34

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1852.00	Peak	40.94	0.00	40.94	82.39	-41.45
2778.00	Peak	40.13	4.20	44.33	74.00	-29.67
2778.00	Average	27.77	4.20	31.97	54.00	-22.03

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Antenna: Monopole

Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 4M

Test Date :2025-04-01

Test Frequency :914 MHz

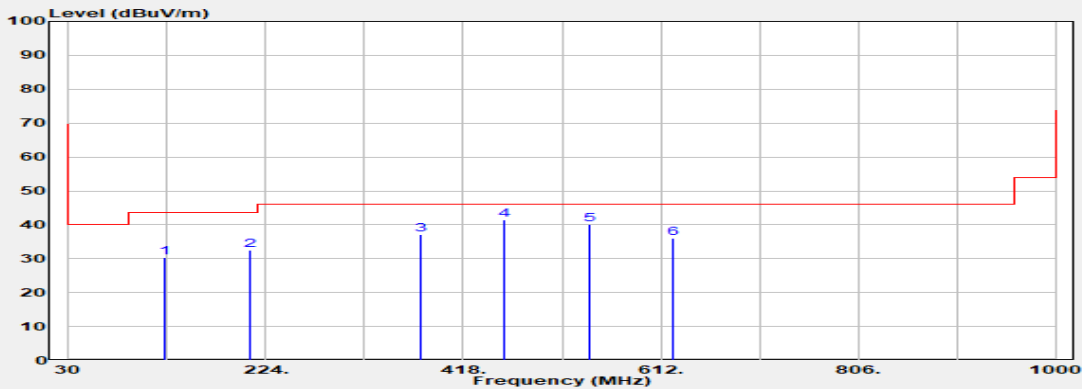
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
125.060	QP	45.30	-15.02	30.28	43.50	-13.22
208.480	QP	48.60	-16.01	32.59	43.50	-10.91
375.320	QP	47.20	-10.03	37.17	46.00	-8.83
458.740	QP	49.20	-7.76	41.44	46.00	-4.56
541.670	QP	46.60	-6.52	40.08	46.00	-5.92
624.610	Peak	40.51	-4.36	36.16	46.00	-9.84

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Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 4M

Test Date :2025-04-01

Test Frequency :914 MHz

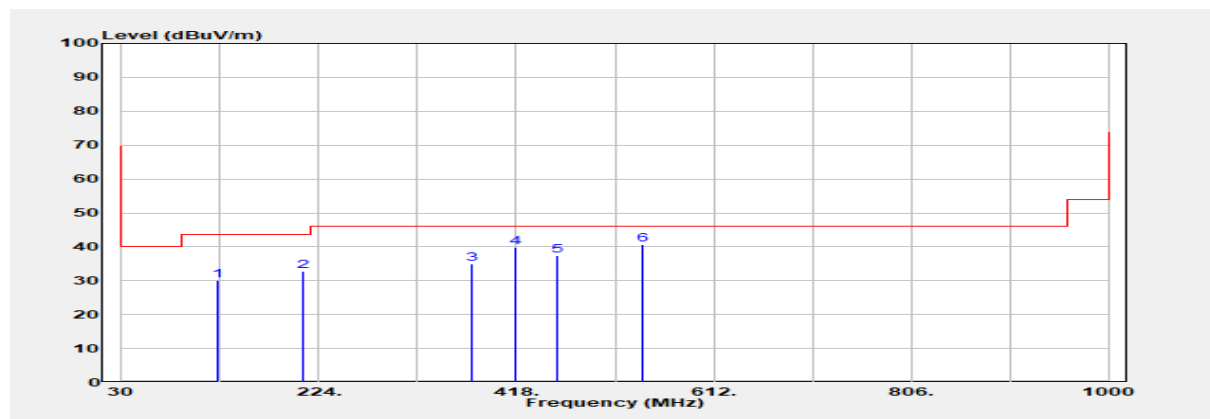
Temp./Humi. :20.7°C/67%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
125.000	QP	45.10	-15.03	30.07	43.50	-13.43
208.330	QP	48.90	-16.02	32.88	43.50	-10.62
375.000	QP	44.89	-10.04	34.85	46.00	-11.15
416.670	QP	49.00	-9.15	39.85	46.00	-6.15
458.740	QP	45.10	-7.76	37.34	46.00	-8.66
541.670	QP	47.30	-6.52	40.78	46.00	-5.22

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SGS Taiwan Ltd.

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台灣檢驗科技股份有限公司

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Member of SGS Group

Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 8M

Test Date :2025-04-01

Test Frequency :916 MHz

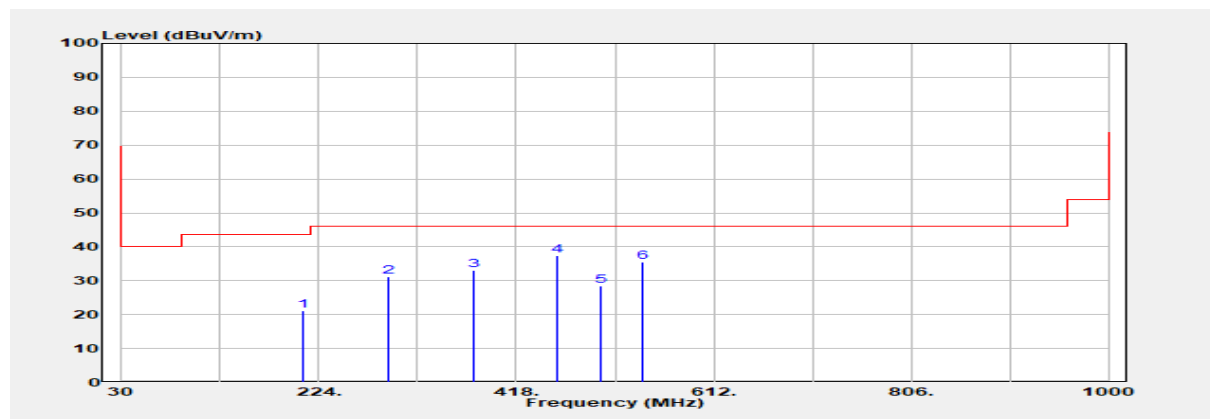
Temp./Humi. :20.7℃/67%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
208.480	QP	37.20	-16.01	21.19	43.50	-22.31
291.900	QP	43.30	-12.08	31.22	46.00	-14.78
375.320	QP	43.20	-10.03	33.17	46.00	-12.83
458.740	QP	45.10	-7.76	37.34	46.00	-8.66
500.450	QP	35.50	-7.12	28.38	46.00	-17.62
542.160	QP	42.00	-6.52	35.48	46.00	-10.52

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Report Number :TERF2502000777E2

Test Site :SAC G Chamber

Operation Mode :802.11ah 8M

Test Date :2025-04-01

Test Frequency :916 MHz

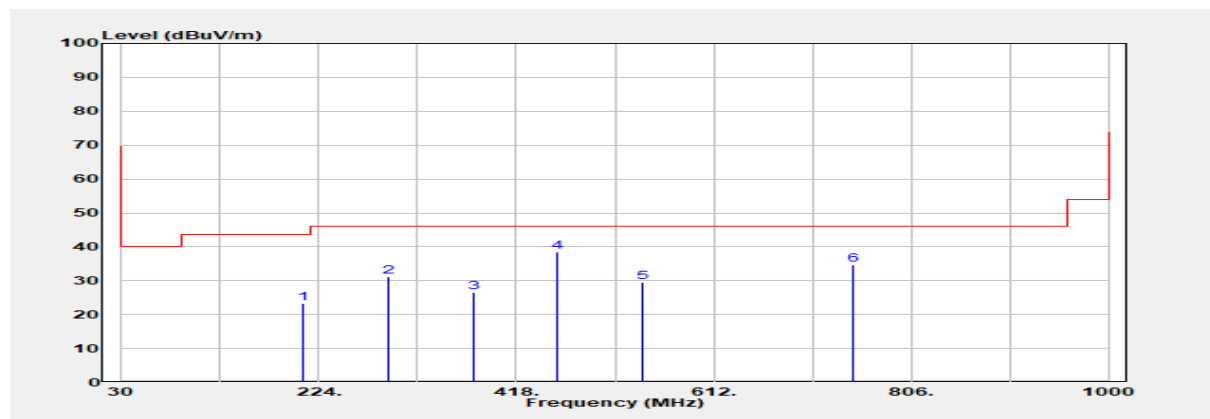
Temp./Humi. :20.7℃/67%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
208.480	QP	39.30	-16.01	23.29	43.50	-20.21
291.900	QP	43.20	-12.08	31.12	46.00	-14.88
375.320	QP	36.50	-10.03	26.47	46.00	-19.53
458.740	QP	46.30	-7.76	38.54	46.00	-7.46
542.160	QP	36.00	-6.52	29.48	46.00	-16.52
749.740	Peak	36.73	-2.13	34.61	46.00	-11.39

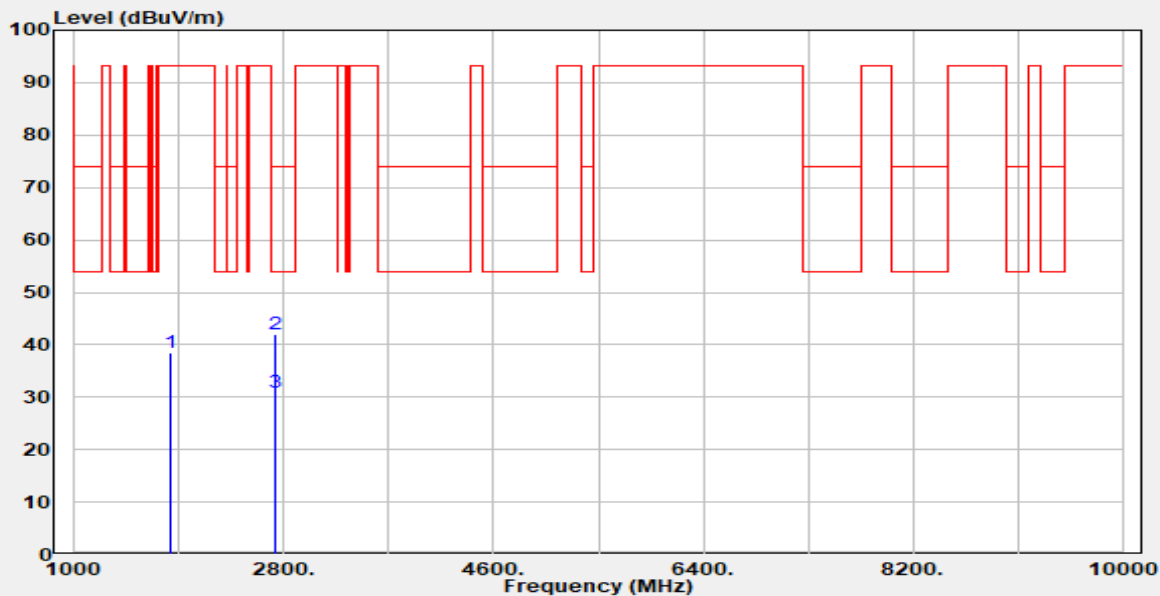
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



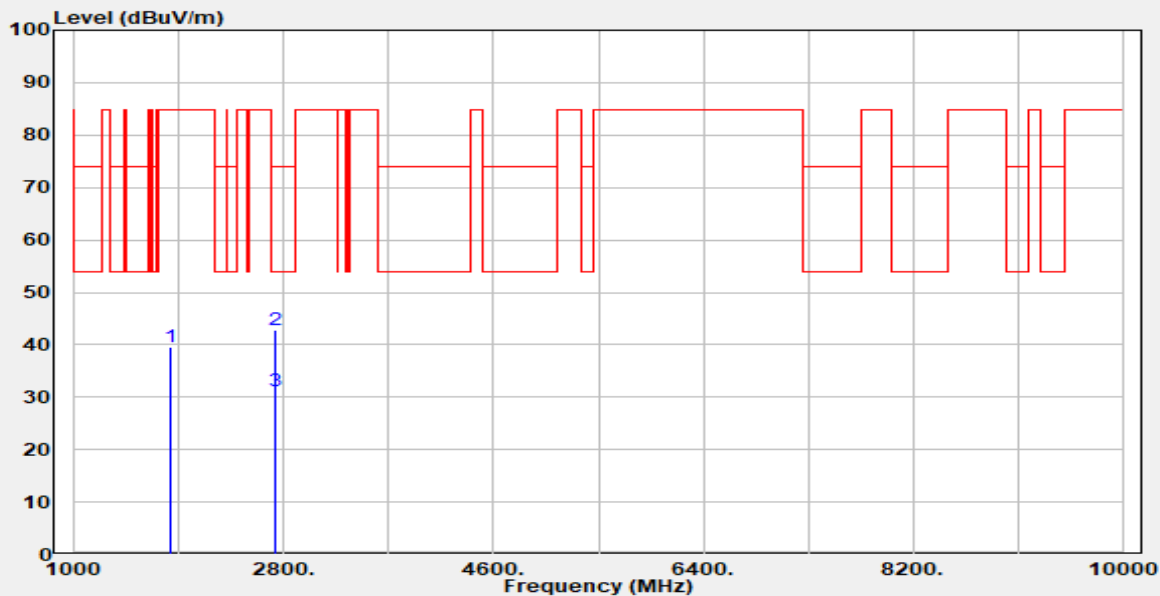
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1816.00	Peak	38.92	-0.41	38.51	93.31	-54.80
2724.00	Peak	38.17	3.86	42.03	74.00	-31.97
2724.00	Average	27.04	3.86	30.90	54.00	-23.10

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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :908 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1816.00	Peak	39.84	-0.41	39.43	84.77	-45.34
2724.00	Peak	38.86	3.86	42.72	74.00	-31.28
2724.00	Average	27.31	3.86	31.17	54.00	-22.83

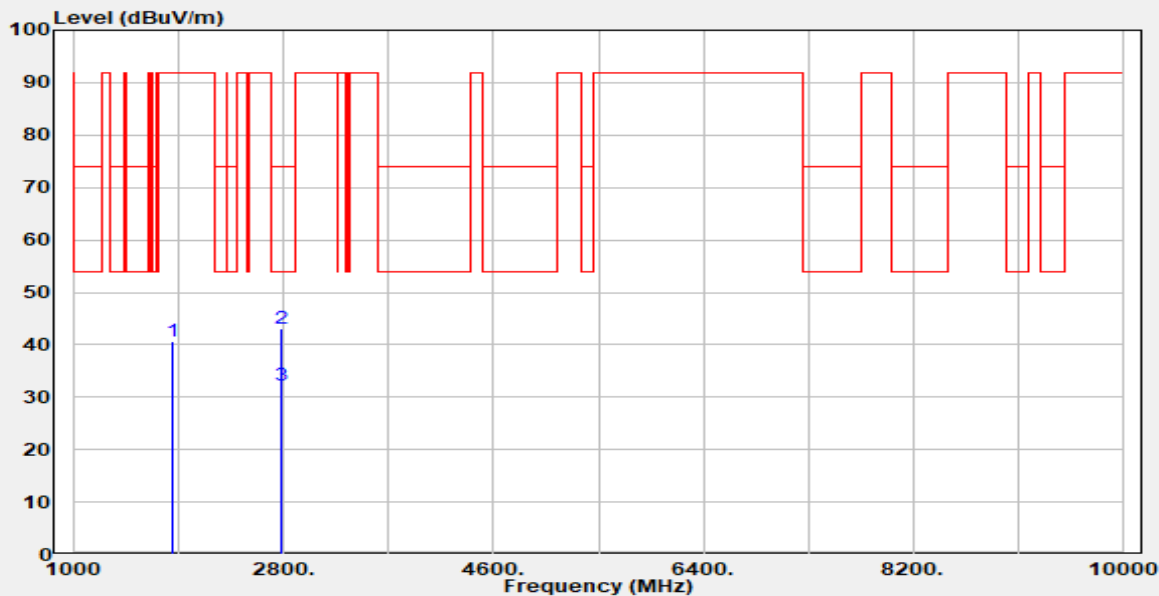
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1848.000	Peak	40.58	-0.03	40.56	91.77	-51.21
2772.000	Peak	38.96	4.14	43.10	74.00	-30.90
2772.000	Average	28.20	4.14	32.33	54.00	-21.67

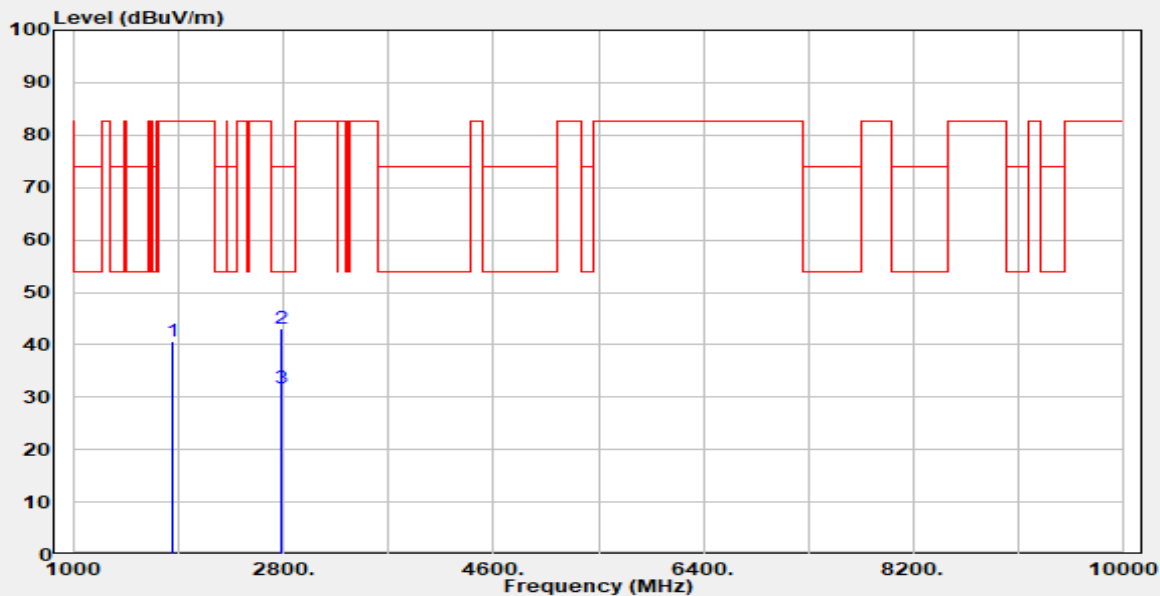
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 8M
 Test Frequency :924 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Horizontal
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1848.00	Peak	40.58	-0.02	40.56	82.66	-42.10
2772.00	Peak	38.85	4.13	42.98	74.00	-31.02
2772.00	Average	27.58	4.13	31.71	54.00	-22.29

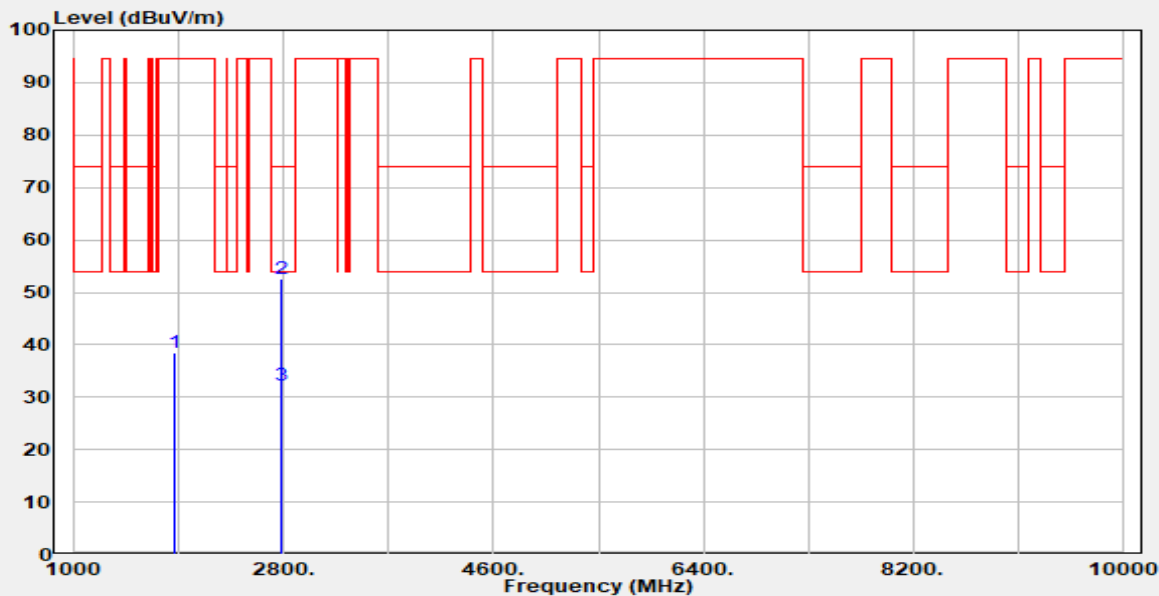
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Report Number :TERF2502000777E2
 Operation Mode :802.11ah 4M
 Test Frequency :926 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC D
 Test Date :2025-04-01
 Temp./Humi. :20.5°C/58%
 Antenna Pol. :Vertical
 Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1852.00	Peak	38.42	0.00	38.42	94.65	-56.23
2778.00	Peak	48.48	4.20	52.68	74.00	-21.32
2778.00	Average	28.17	4.20	32.37	54.00	-21.63

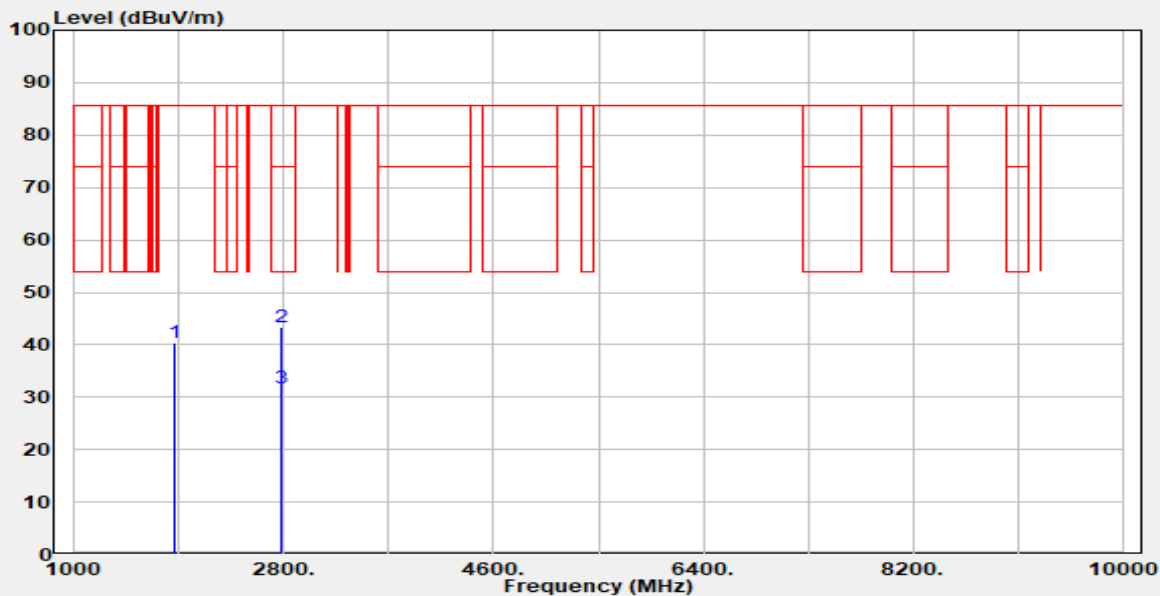
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Report Number :TERF2502000777E2
Operation Mode :802.11ah 4M
Test Frequency :926 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC D
Test Date :2025-04-01
Temp./Humi. :20.5°C/58%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
1852.00	Peak	40.32	0.00	40.32	85.68	-45.36
2778.00	Peak	39.11	4.20	43.31	74.00	-30.69
2778.00	Average	27.56	4.20	31.76	54.00	-22.24

~ End of Report ~

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