

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

EUT Description Communication Module
Applicant: Murata Manufacturing Co., Ltd.
1-10-1 Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan
Manufacturer: Murata Manufacturing Co., Ltd.
1-10-1 Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan
Brand Name: muRata
Model No./ISED HVIN: LBWA0ZZ2HK
ISED PMN: LBWA0ZZ2HK
Report Number: TERF2503001099ER
FCC ID VPYLBWA0ZZ2HK
IC: 772C-LBWA0ZZ2HK
Date of EUT Received: March 18, 2025
Date of Test: March 19, 2025~August 15, 2025
Issue Date: September 26, 2025

Approved By

Paul Chiang

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 C63.10:2020 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
TERF2503001099ER	00	Original	September 3, 2025	Karen Huang	
TERF2503001099ER	01	Update the antenna table on section 1.3	September 26, 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

EUT Description	Communication Module
Brand Name:	muRata
Model No./ISED HVIN:	LBWA0ZZ2HK
Hardware Version:	1.0
Firmware Version:	N/A
EUT Series No.:	LBWA0ZZ2HK ES7025617
Power Supply:	3.3Vdc
Test Software (Name/Version)	Tx_test_FCC.bat

1.2 RF Specification

Radio Technology:	HaLow
Frequency Range:	903.5 – 926.5MHz
Channel number:	40 channels
Modulation type:	OFDM
Transmit Power:	1M: 23.96 dBm (Average) 2M: 28.06 dBm (Peak) 4M: 28.03 dBm (Peak)

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1.3 Antenna Designation

Item	Antenna Brand	Antenna Type	Antenna Model No.	Freq. (MHz)	Peak Antenna Gain (dBi)
1	Unictron	Monopole	TA-45B	902~928	1.1
2	Taoglas	Monopole	TI.93.A151		2.06
3	Taoglas	Dipole	TI.92.2153		2.14
4	Taoglas	Dipole	TI.19.2153		2.5
5	Taoglas	Dipole	TI.09.A.0151		2.17
6	Taoglas	Dipole	TI.08.C.0151		1.67
7	Taoglas	Dipole	TI.08.C.0152.jsr		2.91
8	Taoglas	Monopole	TLS.90.205151		2.46
9	KAVX	Dipole	X9000984-4GDRMB		2.2
10	KAVX	Dipole	X9000984-4GDRMW		2.2
11	TE	Dipole	ANT-915-IPW1-RPS		2.7
12	TE	Monopole	L001102-01		2.1
13	ABRACON	Monopole	AECB1102XS-0100B		1.65
14	antenova	Dipole	SREL036-IPR		2.46

Note: The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

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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 4 July 2025

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

ANSI C63.10:2020

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation Number / Registration 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 / 891563	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 / 200037	
		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.

Temperature:	22-26	°C	Relative Humidity:	54-60	%
Test site	Conducted 1		Test Start:	07/14/2025	
Test Engineer:	Teddy Lu		Test Done:	08/15/2025	

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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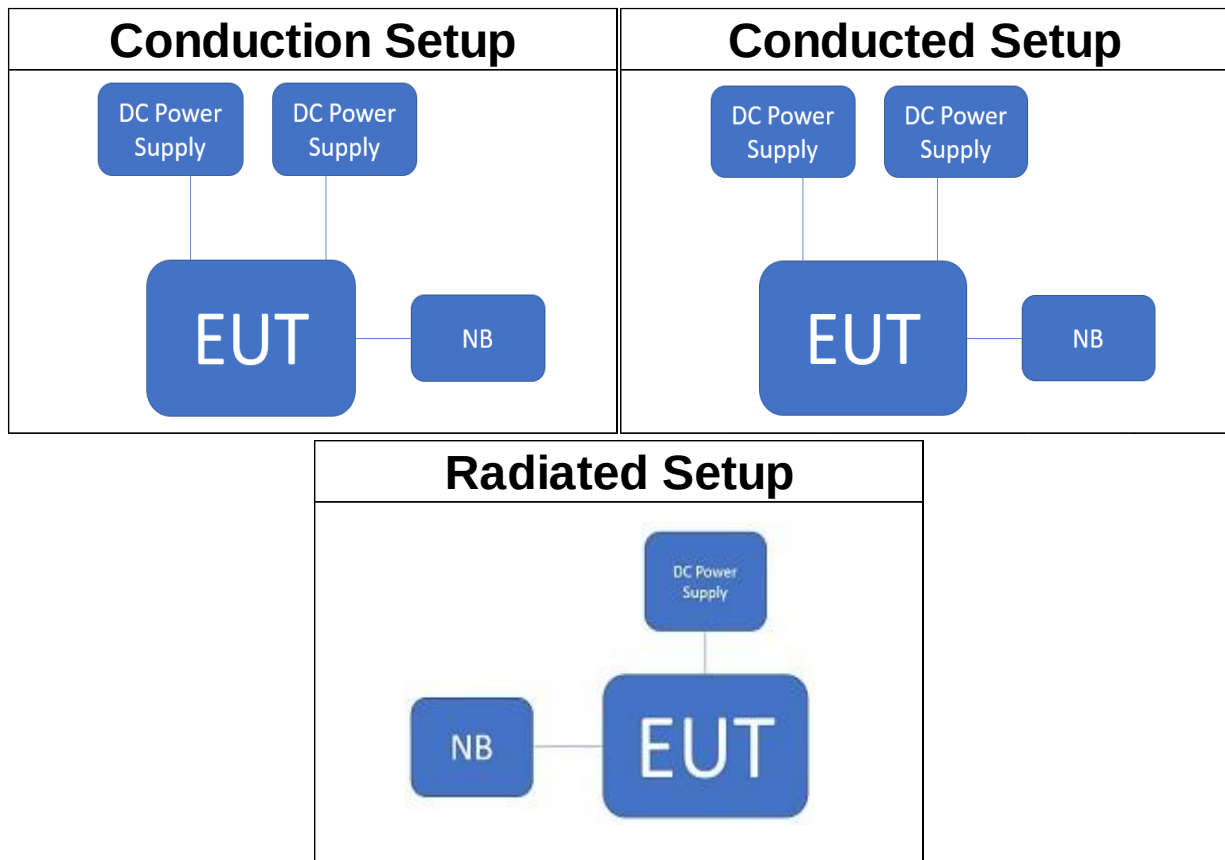
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2.5 Test Configuration



2.6 Control Unit(s)

AC Power-Line Conducted Emission Test Site: Conduction 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	L430	R9-V4LNX 12/10	N/A	N/A

Conducted Emission Test Site: Conducted 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	L430	R9-V4LNX 12/10	N/A	N/A

Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	L430	R9-V4LNX 12/10	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	ISED Rules	Description Of Test	Result
§15.207(a)	RSS-Gen §8.8	AC Power Line Conducted Emission	Compliant
§15.247(b) (3)	RSS-247 §5.4 d	Peak Output Power	Compliant
§15.247(a)(2)	RSS-247 §5.2 a RSS-Gen §6.7	Emission Bandwidth	Compliant
§15.205 §15.209 §15.247(d)	RSS-247 §5.5	Conducted Band Edge and Spurious Emission	Compliant
§15.205 §15.209 §15.247(d)	RSS-247 §5.5	Radiated Band Edge and Spurious Emission	Compliant
§15.205	RSS-Gen § 8.10	Restricted Bands	Compliant
§15.247(e)	RSS-247 §5.2 b	Peak Power Density	Compliant
§15.203	N/A	Antenna Requirement	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 Operating Frequencies

902~928 MHz (1M)		902~928 MHz (2M)		902~928 MHz (4M)	
CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
3	903.5	6	905	8	906
5	904.5	10	907	16	910
7	905.5	14	909	24	914
9	906.5	18	911	32	918
11	907.5	22	913	40	922
13	908.5	26	915		
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 given UE is pre-scanned among below modes.

CONDUCTED TEST				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
HaLow 1M	3 to 49	3,27,49	OFDM	MCS0
HaLow 2M	6 to 46	6,26,46	OFDM	MCS0
HaLow 4M	8 to 40	8,24,40	OFDM	MCS0
TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
HaLow 1M	3 to 49	3,27,49	OFDM	MCS0
HaLow 2M	6 to 46	6,26,46	OFDM	MCS0
HaLow 4M	8 to 40	8,24,40	OFDM	MCS0
TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
HaLow 1M	3 to 49	3,27,49	OFDM	MCS0
HaLow 2M	6 to 46	6,26,46	OFDM	MCS0
HaLow 4M	8 to 40	8,24,40	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
	+/-	4.1	dB	30MHz - 1000MHz
	+/-	3.37	dB	1GHz - 18GHz
	+/-	3.83	dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89	dB	9kHz~30MHz
	+/-	4.1	dB	30MHz - 1000MHz
	+/-	3.37	dB	1GHz - 18GHz
	+/-	3.83	dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2	dB	33GHz-50GHz
	+/-	1.59	dB	50GHz-60GHz
	+/-	1.71	dB	60GHz-90GHz
	+/-	1.64	dB	90GHz-140GHz
	+/-	3.84	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 Emission from AC power line

AC Power-Line Conducted Emission Test Site: Conduction 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Coaxial Cables	EMC Instruments Corp.	EMCCFD300-BM-BM-3000	161207	06/22/2025	06/21/2026
DC Power Supply	Gwinstek	SPS-3610	GEV856750	08/14/2024	08/13/2025
DC Power Supply	HILA	DP-3003N	11233K1019035	03/24/2025	03/23/2026
EMI Test Receiver	R&S	ESCI 7	100759	08/28/2024	08/27/2025
LISN	SCHWARZBECK	NSLK 8127	1040	09/07/2024	09/06/2025
LISN	SCHWARZBECK	NSLK 8127	1041	11/04/2024	11/03/2025
Pulse Limiter	SCHWARZBECK	VTSD 9561F-N	793	06/22/2025	06/21/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

6.2 Conducted Measurement

Conducted Emission Test Site: Conducted 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Mini-Circuits	BW-S10W2+	3	12/11/2024	12/10/2025
DC Block	Mini-Circuits	BLK-18-S+	2	12/11/2024	12/10/2025
DC Power Supply	Agilent	E3640A	MY52410006	12/30/2024	12/29/2025
DC Power Supply	Gwinstek	SPS-3610	GEV856750	08/14/2024	08/13/2025
DC Power Supply	Gwinstek	SPS-3610	GEV856750	08/11/2025	08/10/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/24/2025	06/23/2026
Power Meter	Anritsu	ML2496A	1242004	10/23/2024	10/22/2025
Power Sensor	Anritsu	MA2411B	1207365	10/23/2024	10/22/2025
Power Sensor	Anritsu	MA2411B	1207368	10/23/2024	10/22/2025
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N.C.R

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6.3 Radiated Measurement

Mode: Dipole Antenna

Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
1.3G High Pass Filter	Woken	WHKX10-1066	20	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	23	12/11/2024	12/10/2025
Band Reject Filter 902-928	Titan	T04N90292850S02	24090402-1	10/15/2024	10/14/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	9168-1278	03/10/2025	03/09/2026
Coaxial Cables	EMCI	EMC104-SM-SM-600 +EMC105-SM-SM-2000 +EMC105-SM-SM-1500 +EMC105-SM-SM-10000	RX Cable 9K-18G (220237+220909+220906+240801)	08/30/2024	08/29/2025
DC Power Supply	Gwinstek	SPD-3606	GEW923151	05/22/2025	05/21/2026
EMI Test Receiver	R&S	ESR 7	102525	02/08/2025	02/07/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY57120290	04/10/2025	04/09/2026
Horn Antenna	RF SPIN	DRH18-E	210303A18-ES	02/20/2025	02/19/2026
Loop Antenna	COM-POWER	AL-130R	10160104	12/19/2024	12/18/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980867	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC330N	980826	08/30/2024	08/29/2025
Site Cal	SGS	SAC 2	N/A	08/30/2024	08/29/2025
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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Mode: Monopole Antenna

Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
1.3G High Pass Filter	Woken	WHKX10-1066	20	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	23	12/11/2024	12/10/2025
Band Reject Filter 902-928	Titan	T04N90292850S02	24090402-1	10/15/2024	10/14/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	9168-1278	03/10/2025	03/09/2026
Coaxial Cables	EMCI	EMC104-SM-SM-600 +EMC105-SM-SM-2000 +EMC105-SM-SM-1500 +EMC105-SM-SM-10000	RX Cable 9K-18G (220237+220909+20906+240801)	07/14/2025	07/13/2026
DC Power Supply	Chroma	41901	777188	07/08/2025	07/07/2026
EMI Test Receiver	R&S	ESR 7	102525	02/08/2025	02/07/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY57120290	04/10/2025	04/09/2026
Horn Antenna	RF SPIN	DRH18-E	210303A18-ES	02/20/2025	02/19/2026
Loop Antenna	COM-POWER	AL-130R	10160104	12/19/2024	12/18/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980867	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC330N	980826	08/30/2024	08/29/2025
Site Cal	SGS	SAC 2	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

NOTE: N.C.R refers to Not Calibrated Required.

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7 CONDUCTED EMISSION TEST

7.1 Standard Applicable:

Frequency range within 150kHz to 30MHz shall not exceed the Limit table as below.

Frequency range MHz	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

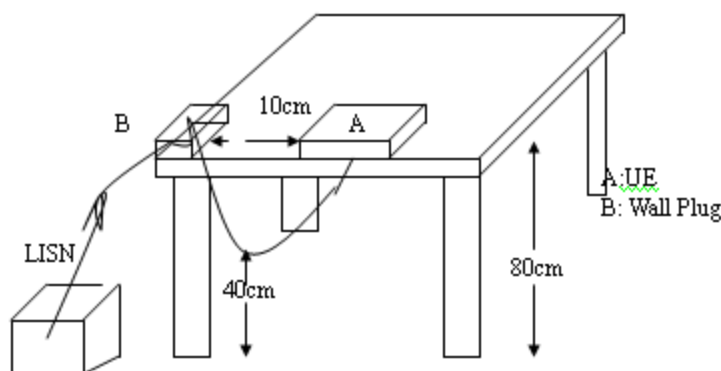
Note

- 1.The lower limit shall apply at the transition frequencies
- 2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

7.2 EUT Setup:

1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.10:2020.
2. The AC/DC Power adaptor of EUT was plug-in LISN. The EUT was placed flushed with the rear of the table.
3. The LISN was connected with 120Vac/60Hz power source.

7.3 Test Setup



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7.4 Measurement Procedure:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all phases of power being supplied by given UE are completed

7.5 Measurement Result:

Level = Read Level + Factor

Factor = (LISN, ISN, or current probe)Factor + Cable Loss +Attenuator

Note: Refer to next page for measurement data and plots.

Note2: The * reveals the worst-case results that closest to the limit.

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AC POWER LINE CONDUCTED EMISSION TEST DATA

Report Number :TERF2503001099ER

Test Site :Conduction 1

Operation Mode :HaLow 1M

Test Date :2025-07-23

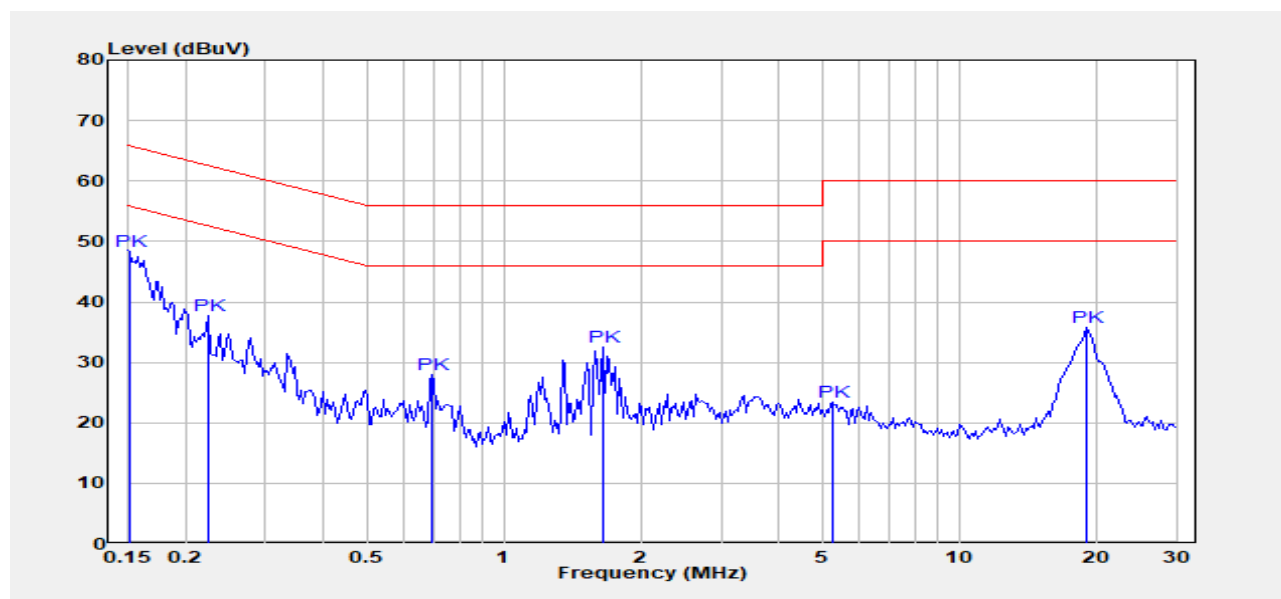
Power :120V/60Hz

Temp./Humi. :24.4°C/64%

Probe :L

Engineer :WJ Lin

Note: :



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.152	Peak	38.22	10.13	48.35	65.91	-17.56
0.224	Peak	27.67	10.13	37.80	62.66	-24.85
0.697	Peak	17.89	10.18	28.08	56.00	-27.92
1.645	Peak	22.25	10.19	32.45	56.00	-23.55
5.277	Peak	12.97	10.34	23.31	60.00	-36.69
19.021	Peak	25.23	10.52	35.75	60.00	-24.25

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Report Number :TERF2503001099ER

Operation Mode :HaLow 1M

Power :120V/60Hz

Probe :N

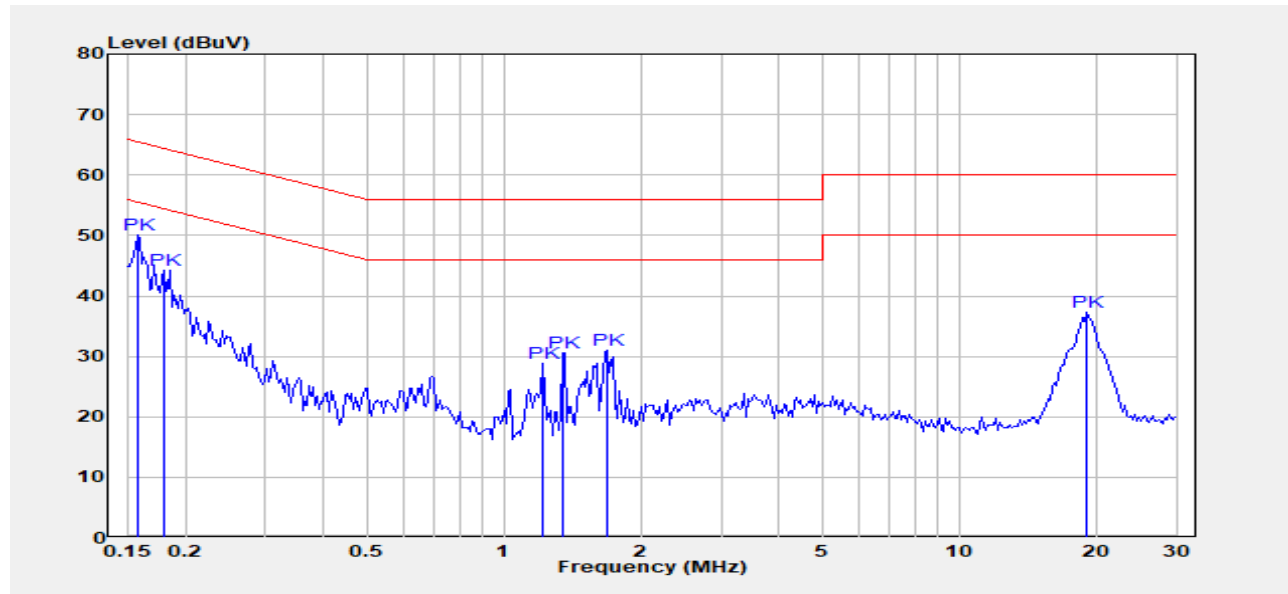
Note: :

Test Site :Conduction 1

Test Date :2025-07-23

Temp./Humi. :24.4°C/64%

Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.156	Peak	39.92	10.13	50.05	65.65	-15.60
0.180	Peak	34.19	10.13	44.32	64.50	-20.18
1.223	Peak	18.70	10.20	28.89	56.00	-27.11
1.345	Peak	20.35	10.20	30.55	56.00	-25.45
1.680	Peak	20.74	10.19	30.94	56.00	-25.06
19.021	Peak	26.78	10.52	37.30	60.00	-22.70

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8 PEAK OUTPUT POWER MEASUREMENT

8.1 Standard Applicable:

8.1.1 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.

8.1.2 ISED

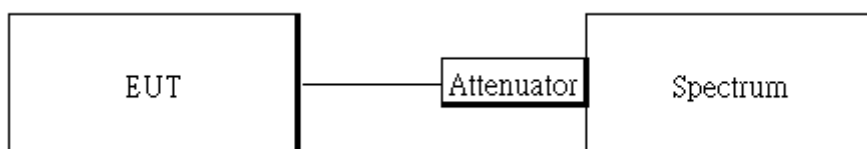
For systems using digital modulation in the 902-928 MHz bands, the limit for peak output power is 1Watt and the e.i.r.p. shall not exceed 4 W.

Note:

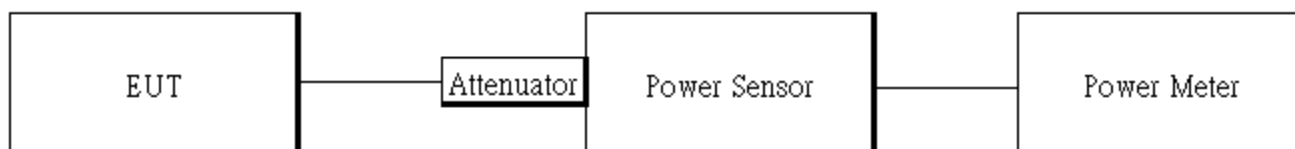
When the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

8.2 Test Setup

8.2.1 Duty Cycle



8.2.2 Output Power



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8.3 Measurement Procedure:

8.3.1 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

8.4 Output Power

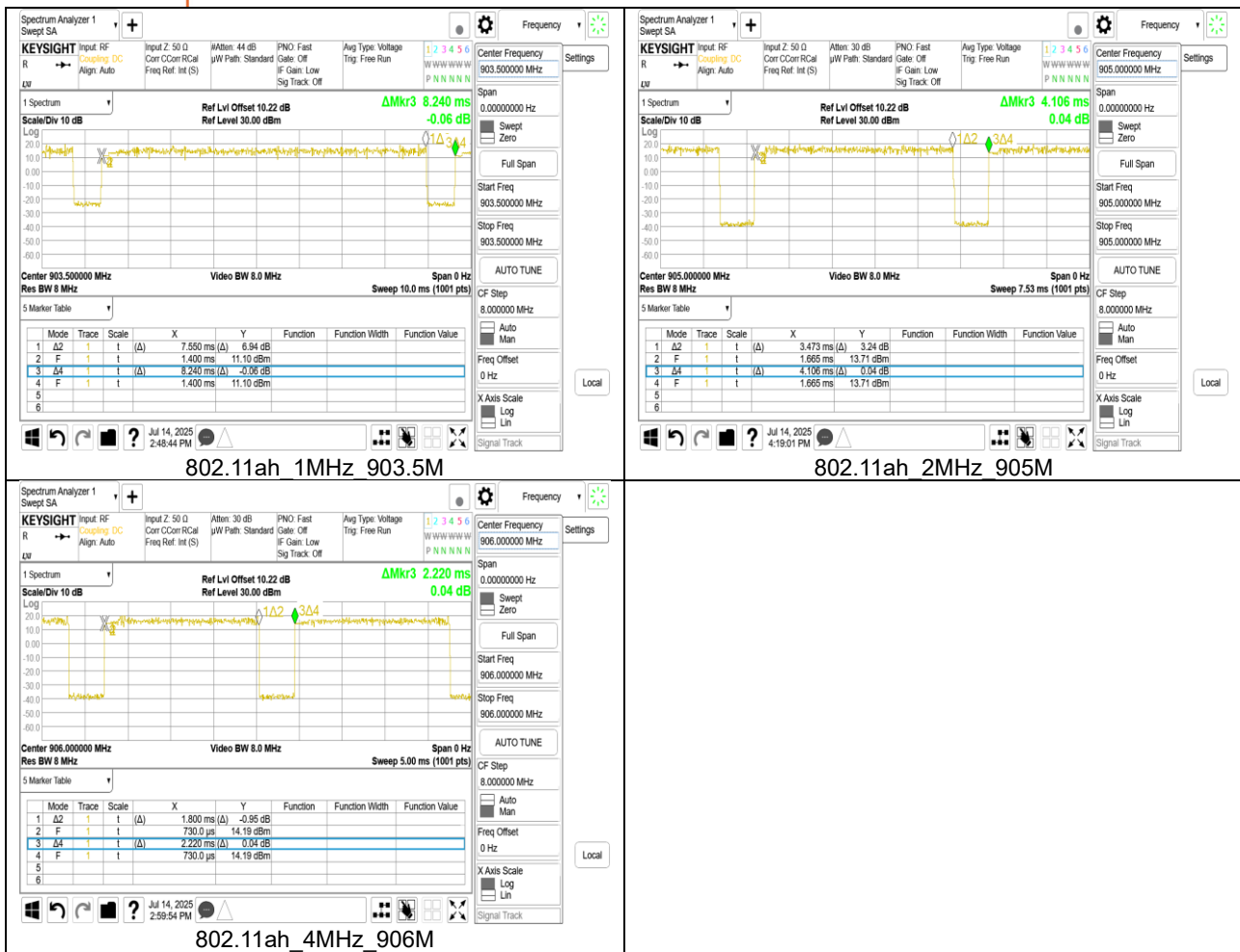
1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.
4. Record the max. Reading as observed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

8.5 Duty Factor:

Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
OFDM 1M	91.62	0.38	0.13	1.00
OFDM 2M	84.58	0.73	0.29	1.00
OFDM 4M	81.08	0.91	0.56	1.00

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8.6 Output Power:

8.6.1 Peak & Avg

OFDM 1M:

CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
3	903.5	22	22.52	30
27	915.5	24	23.96	30
49	926.5	24	23.89	30

***Note:**

1.Measured by power meter, cable loss 10.22 dB + Duty cycle factor has been offseted to the power meter for Avg. power and cable loss has been offseted for Peak power measurement.

OFDM 2M:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
6	905	22	28.06	30
26	915	23	27.96	30
46	925	23	27.85	30
CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
6	905	22	22.53	30
26	915	23	22.99	30
46	925	23	22.96	30

***Note:**

1.Measured by power meter, cable loss 10.22 dB + Duty cycle factor has been offseted to the power meter for Avg. power and cable loss has been offseted for Peak power measurement.

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OFDM 4M:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
8	906	18	27.50	30
24	914	23	28.03	30
40	922	23	27.95	30
CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
8	906	18	17.96	30
24	914	23	22.96	30
40	922	23	22.84	30

***Note:**

1. Measured by power meter, cable loss 10.22 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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8.6.2 EIRP

EIRP OFDM 1M

CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit
3	903.5	22	22.52	2.91	25.43	4W= 36 dBm
27	915.5	24	23.96	2.91	26.87	4W= 36 dBm
49	926.5	24	23.89	2.91	26.80	4W= 36 dBm

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

EIRP OFDM 2M

CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit
1	905	22	22.53	2.91	25.44	4W= 36 dBm
7	915	23	22.99	2.91	25.90	4W= 36 dBm
13	925	23	22.96	2.91	25.87	4W= 36 dBm

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

EIRP OFDM 4M

CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit
8	906	18	17.96	2.91	20.87	4W= 36 dBm
24	914	23	22.96	2.91	25.87	4W= 36 dBm
40	922	23	22.84	2.91	25.75	4W= 36 dBm

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

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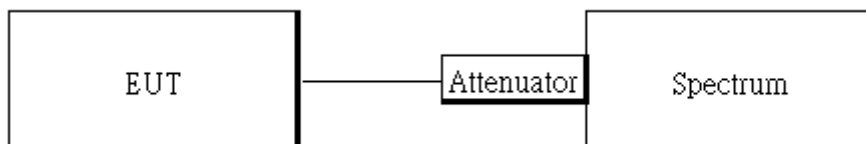
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9 EMISSION BANDWIDTH MEASUREMENT

9.1 Standard Applicable

The minimum 6 dB bandwidth shall be at least 500 kHz .

9.2 Test Setup



9.3 Measurement Procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

9.3.1 6dB BW measurements

1. The testing follows the Measurement Procedure of the KDB 558074 D01.
2. Set the spectrum analyzer as
RBW= 100 kHz ,
VBW = 3 X RBW,
Span= 2 to 5 times of the OBW,
Sweep=auto, Detector = Peak, and Max hold.
3. Mark the upper and lower frequencies of -6dB.
4. Repeat above procedures until all test default channel is completed.

9.3.2 99% BW measurements

1. The testing follows the Measurement Procedure of the RSS-Gen section 6.7.
2. Set the spectrum analyzer as
RBW= 1 % to 5% of 99%,
VBW $\geq$ 3 X RBW,
Span= large enough to capture all products of the modulation process
Sweep=auto, Detector = Peak, and Max hold.
3. Mark the upper and lower frequencies of 99%.
4. Repeat above procedures until all test default channel is completed.

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9.4 Measurement Result:

9.4.1 6dB BW measurements

OFDM 1M

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
903.5	0.8765	≥ 0.5	PASS
915.5	0.8793	≥ 0.5	PASS
926.5	0.8826	≥ 0.5	PASS

OFDM 2M

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
905	1.793	≥ 0.5	PASS
915	1.79	≥ 0.5	PASS
925	1.796	≥ 0.5	PASS

OFDM 4M

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
906	3.63	≥ 0.5	PASS
914	3.63	≥ 0.5	PASS
922	3.629	≥ 0.5	PASS

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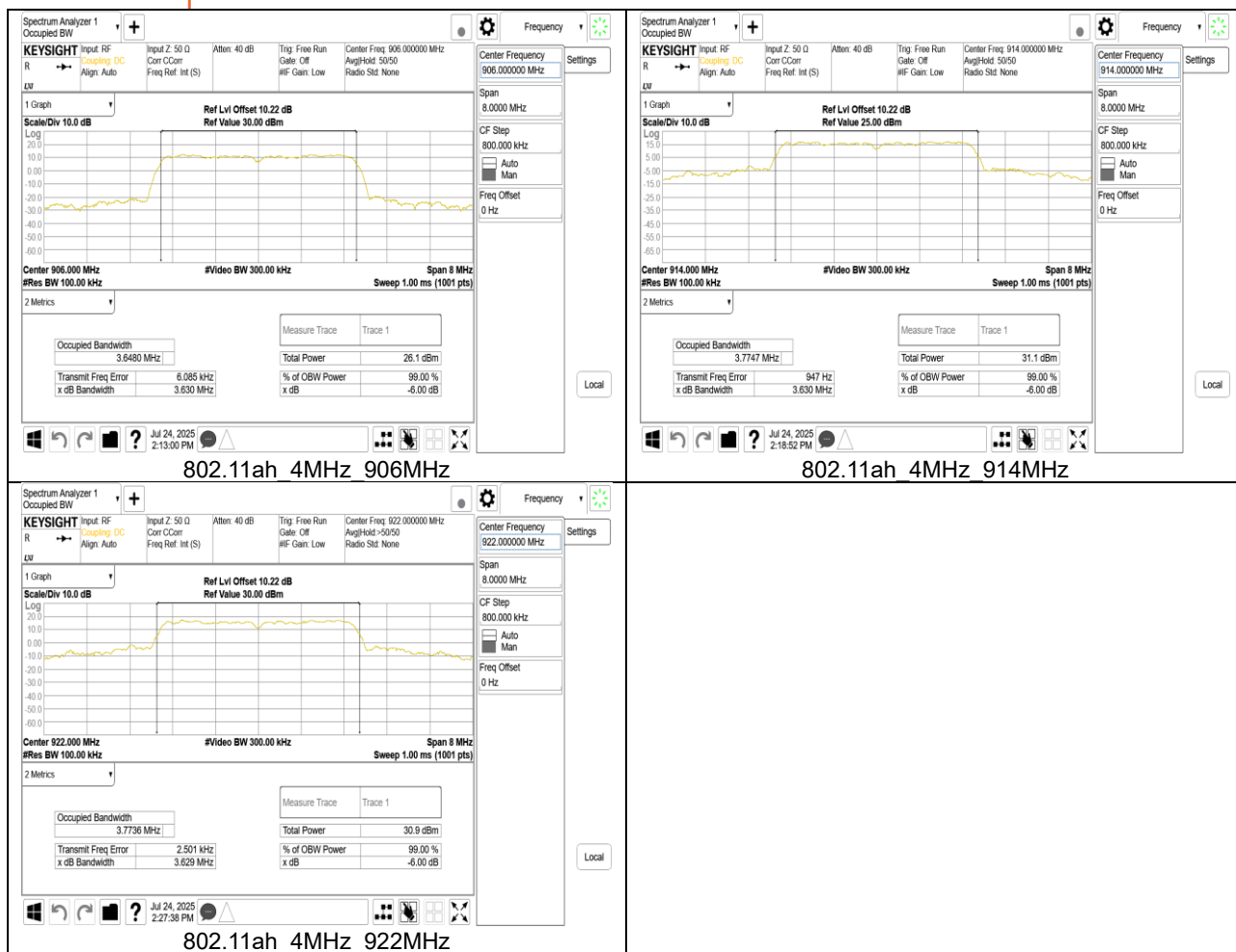
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9.4.2 99% Bandwidth

OFDM 1M

Frequency (MHz)	99%Bandwidth (MHz)
903.5	0.86274
915.5	0.87255
926.5	0.8766

OFDM 2M

Frequency (MHz)	99%Bandwidth (MHz)
905	1.7751
915	1.7956
925	1.7948

OFDM 4M

Frequency (MHz)	99%Bandwidth (MHz)
906	3.6189
914	3.6978
922	3.6986

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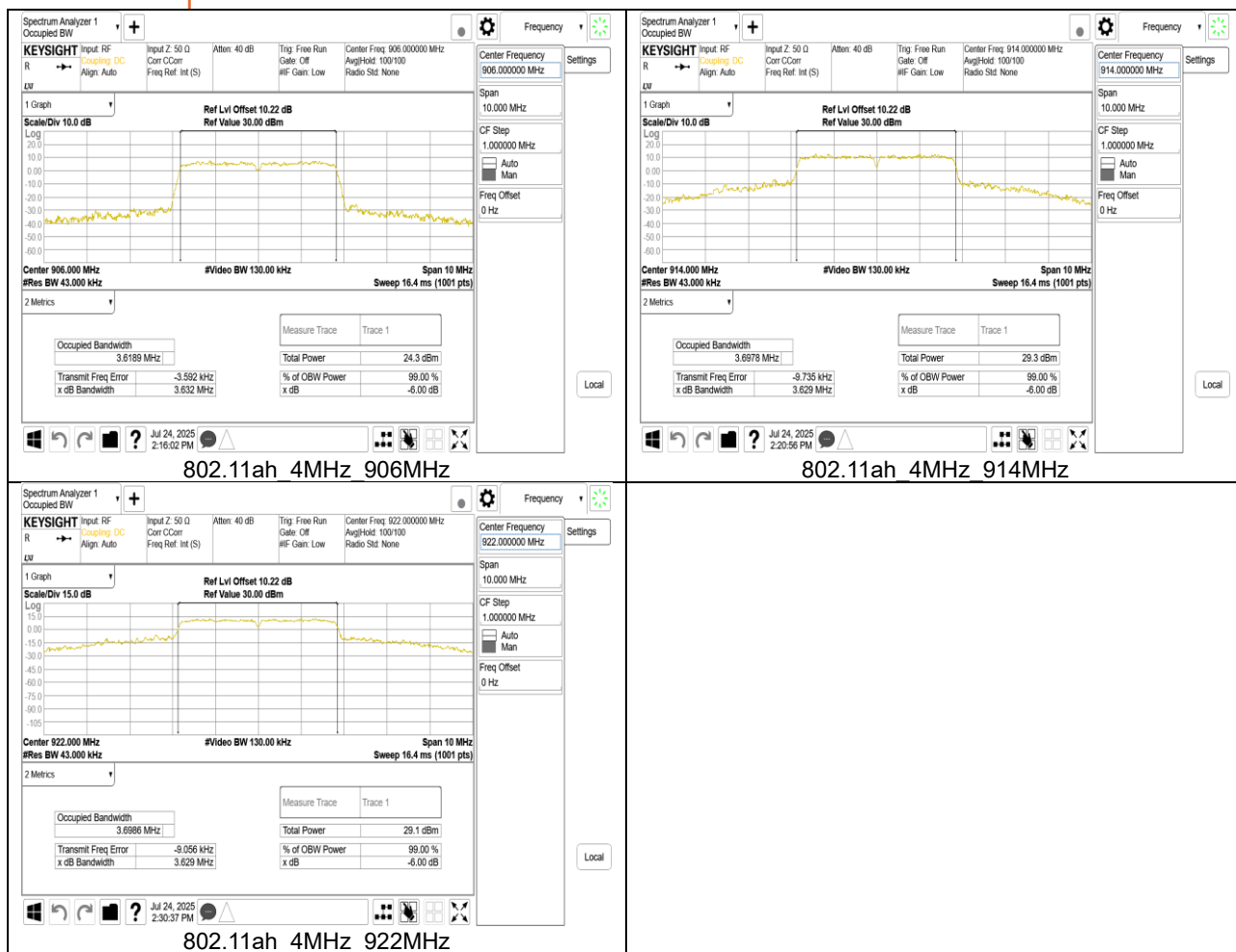
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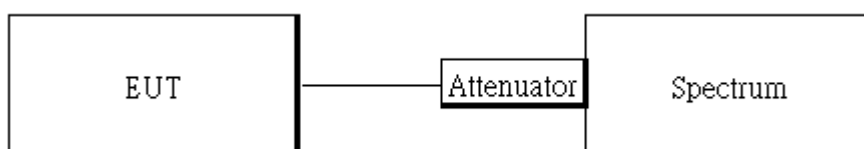
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10 CONDUCTED BAND EDGES AND SPURIOUS EMISSION MEASUREMENT

10.1 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, as defined in §15.205(a) & RSS-Gen §8.10, must also comply with the radiated emission limits specified in §15.209(a) & RSS-Gen §8.9.

10.2 Test Setup



10.3 Measurement Procedure

10.3.1 Reference Level of Emission Limit:

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 100kHz & VBW = 300 kHz.
5. Set Detector = Peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.

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10.3.2 Conducted Band Edge:

1. To connect Antenna Port of EUT to Spectrum.
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 spectrum analyzer.
4. Set start to edge frequency, and stop frequency of spectrum analyzer so as to encompass the spectrum to be examined.
5. Set the spectrum analyzer as RBW=100 kHz, VBW=300 kHz, Detector = Peak, Sweep = auto
6. Set DL as the limit =
OFDM 1M reading on marker of reference level measurement – 30dBm
OFDM 2M & 4M reading on marker of reference level measurement – 20dBm
7. Mark the highest readings of the emissions outside of 902-928 MHz.
8. Repeat above procedures until all default test channel (low, middle, and high) was complete.

10.3.3 Conducted Spurious Emission:

1. To connect Antenna Port of EUT to Spectrum.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
3. Set RBW = 100 kHz & VBW=300 kHz, Detector =Peak, Sweep = Auto
4. Allow trace to fully stabilize.
5. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
6. Repeat above procedures until all default test channel measured were complete.

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10.4 Measurement Result

OFDM 1M_Reference Level of Limit

Frequency (MHz)	RF Power Density (dBm)	Reference Level of Limit = PSD - 30dB (dBm)
903.5	21.66	-8.34
915.5	23.20	-6.80
926.5	23.08	-6.92

***Note:**

- 1.cable loss as 10.22dB that offsets in the spectrum
- 2.Refer to next page for plots.

OFDM 2M_Reference Level of Limit

Frequency (MHz)	RF Power Density (dBm)	Reference Level of Limit = PSD - 20dB (dBm)
905	18.75	-1.25
915	19.74	-0.26
925	19.66	-0.34

***Note:**

- 1.cable loss as 10.22dB that offsets in the spectrum
- 2.Refer to next page for plots.

OFDM 4M_Reference Level of Limit

Frequency (MHz)	RF Power Density (dBm)	Reference Level of Limit = PSD - 20dB (dBm)
906	11.95	-8.05
914	17.05	-2.95
922	16.80	-3.20

***Note:**

- 1.cable loss as 10.22dB that offsets in the spectrum
- 2.Refer to next page for plots.

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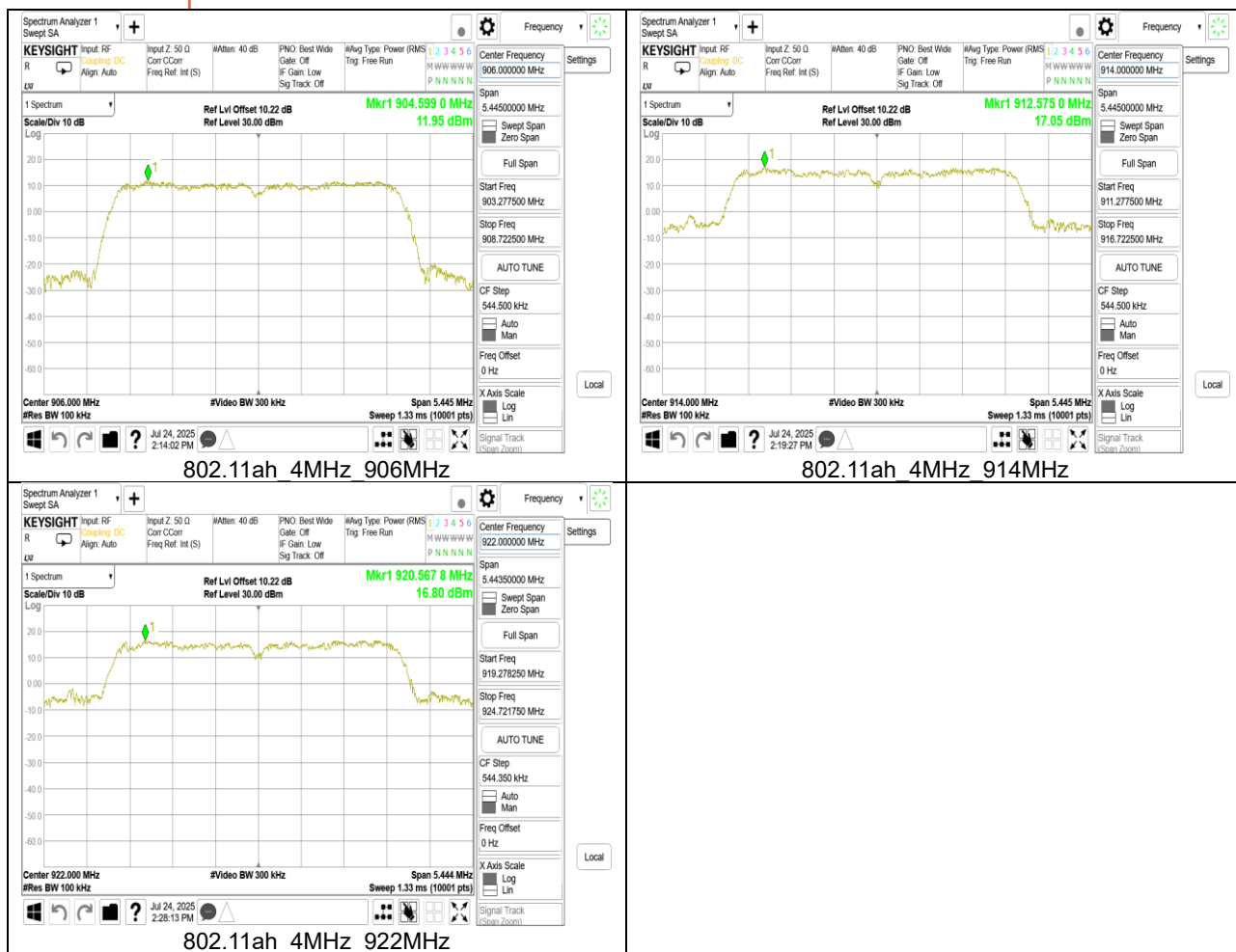
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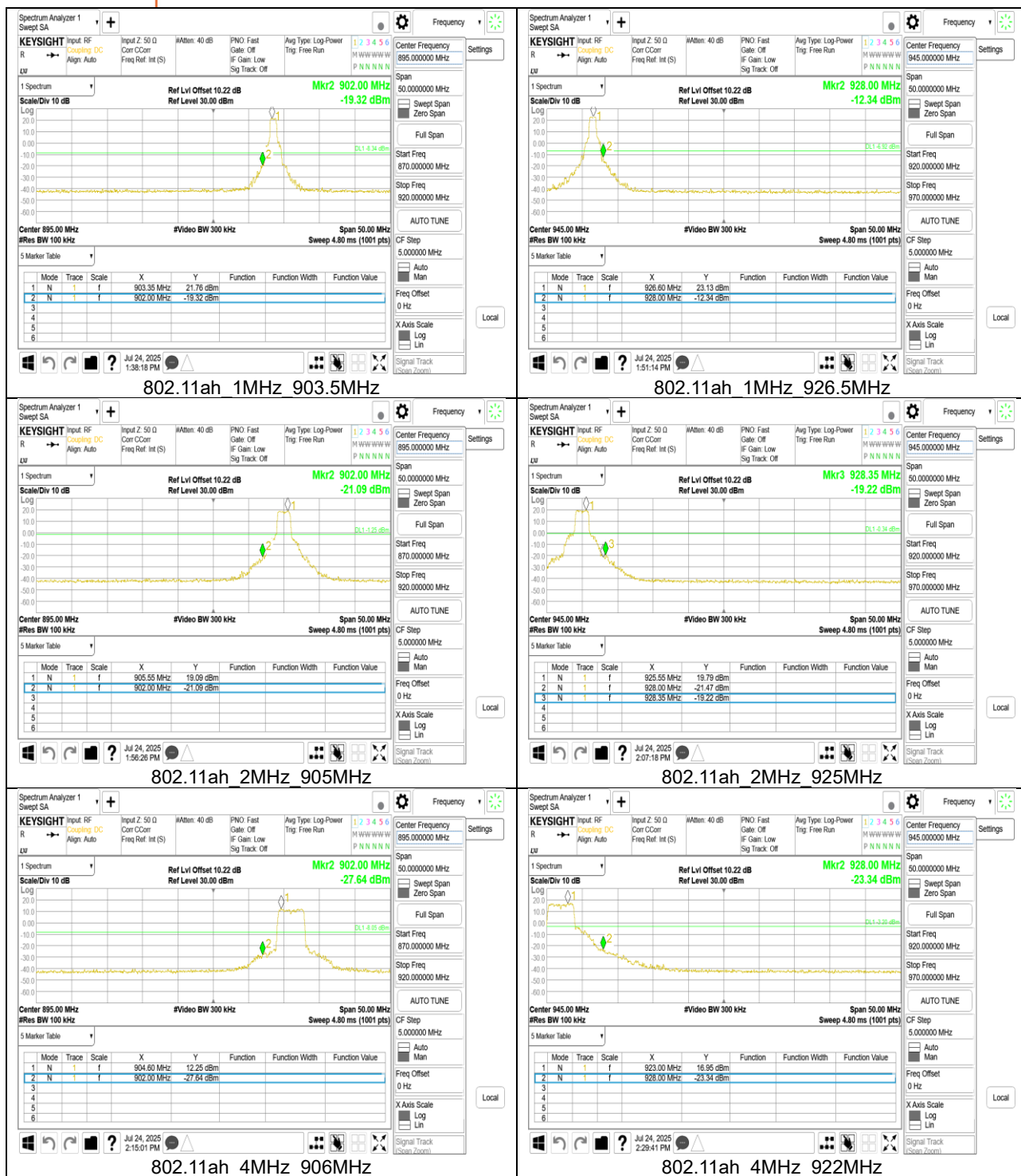
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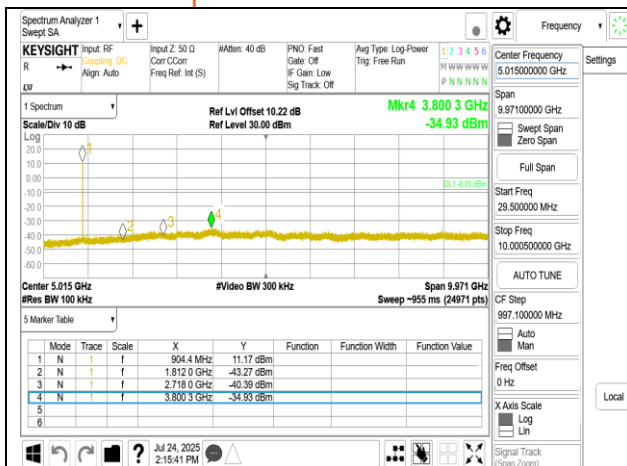
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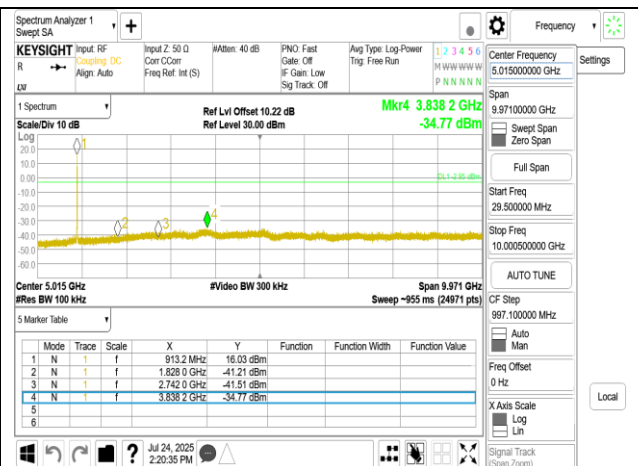
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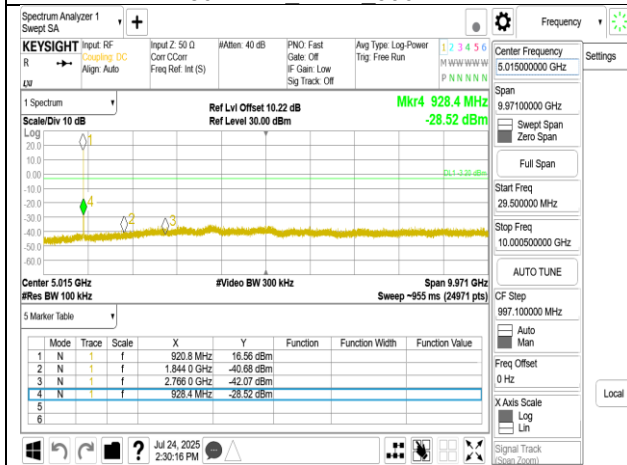
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802.11ah 4MHz 906MHz



802.11ah 4MHz 914MHz



802.11ah 4MHz 922MHz

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11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

11.1 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:

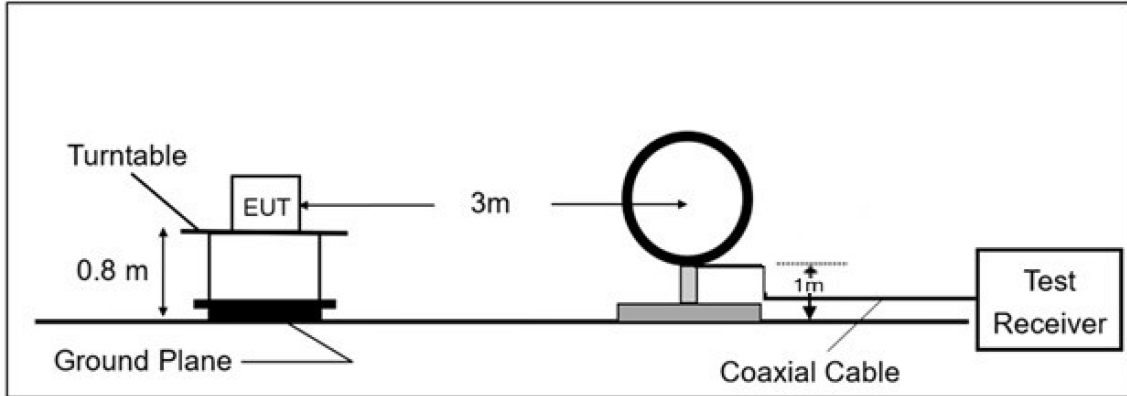
1. The lower limit shall apply at the transition frequencies.

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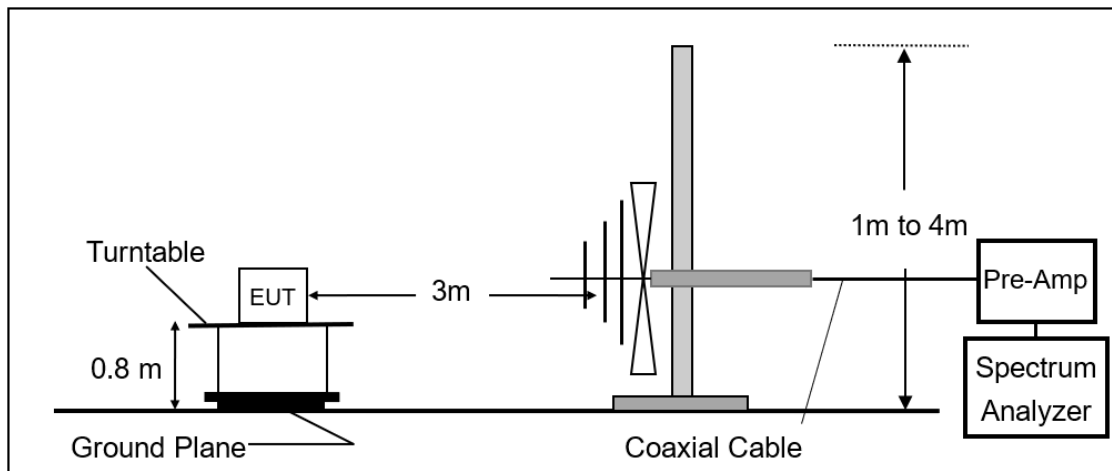
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11.2 Test Setup

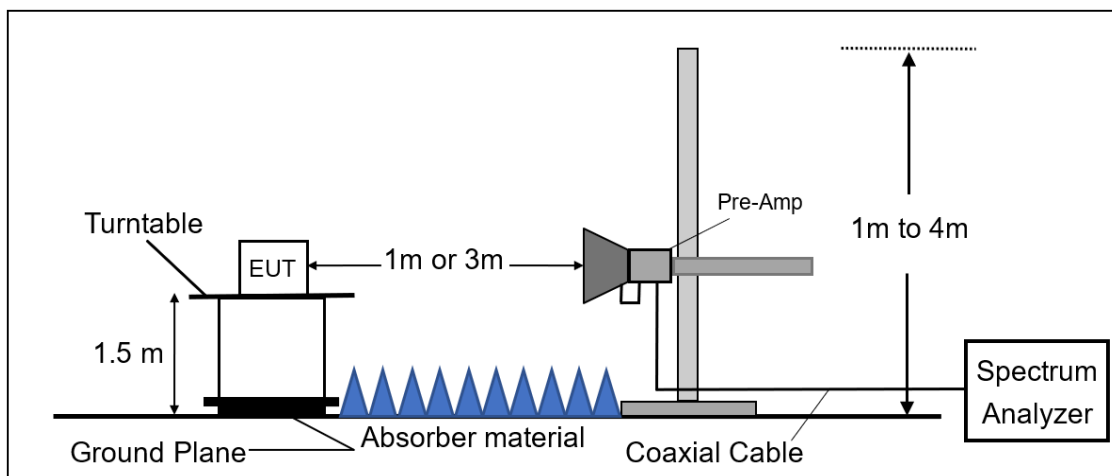
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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11.3 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, Detector= Peak for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz, Detector= RMS correction factor is $[10 \log (1 / D)]$ for Average Emission measurements at frequency above 1 GHz **when $D \geq 98\%$** . If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission, where D is the duty cycle.
9. Set the spectrum analyzer as RBW=1 MHz, VBW $\geq 1/T$ **when $D < 98\%$** for Average Emission Measurements at frequency above 1 GHz.
10. 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.
11. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
12. 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.
13. Repeat above procedures until all default test channel measured were complete.

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11.4 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*

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

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

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

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

11.5 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.

11.6 Measurement Result:

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

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11.6.1 Radiated Main and Band Edge Measurement Result

Mode: Dipole Antenna

Report Number :TERF2503001099ER

Operation Mode :HaLow 1M

Test Frequency :915.5 MHz

Test Mode :Main

EUT Pol :H Plane

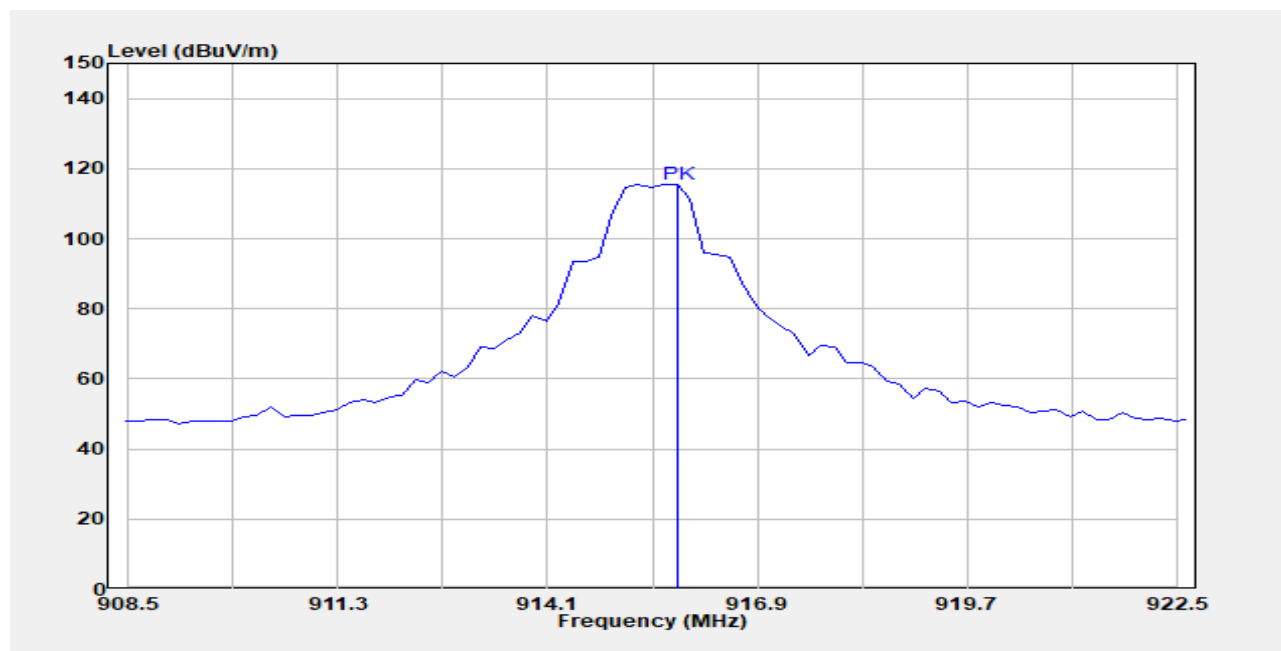
Test Site :SAC 2

Test Date :2025-07-22

Temp./Humi. :24.2°C/62%

Antenna Pol. :Vertical

Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
915.825	Peak	115.27	0.12	115.39	-	-

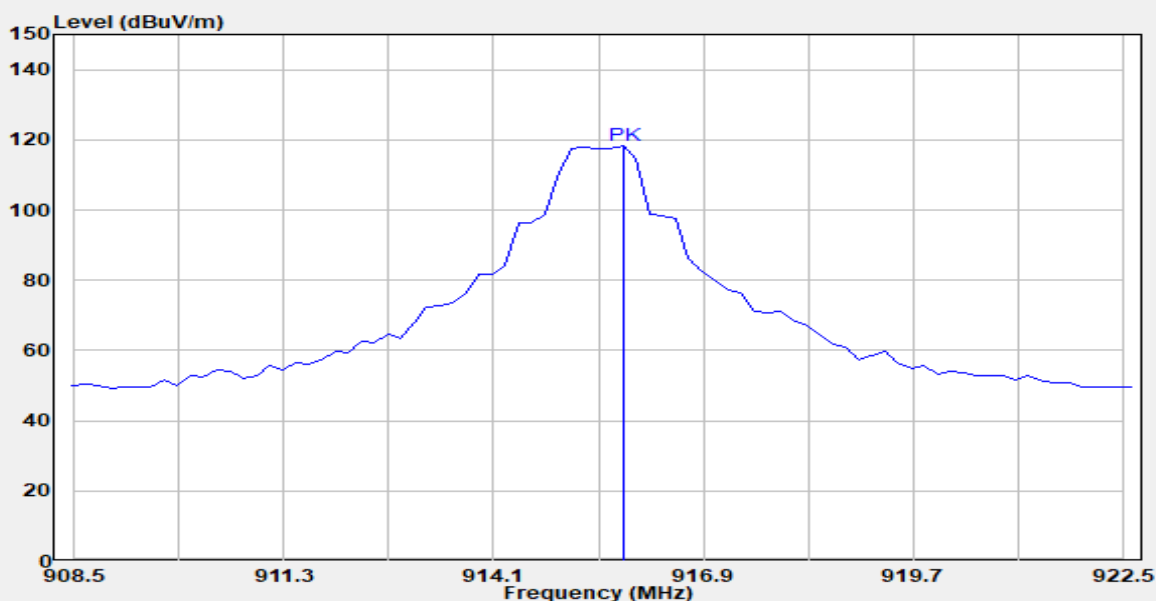
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Report Number :TERF2503001099ER
Operation Mode :HaLow 1M
Test Frequency :915.5 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-07-22
Temp./Humi. :24.2°C/62%
Antenna Pol. :Horizontal
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
915.825	Peak	117.98	0.12	118.10	-	-

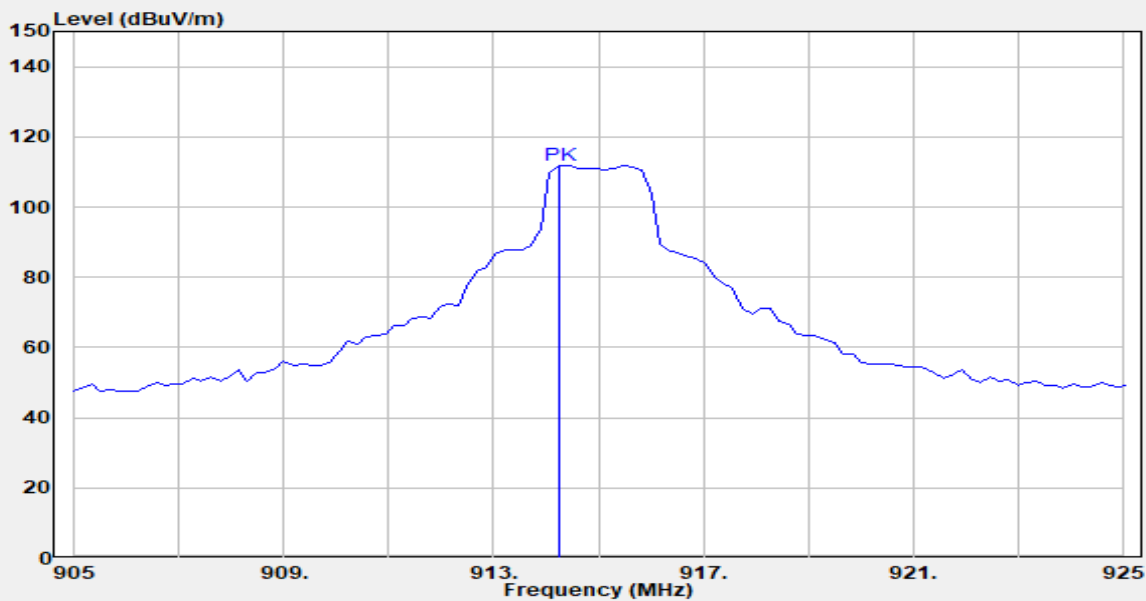
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :915 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



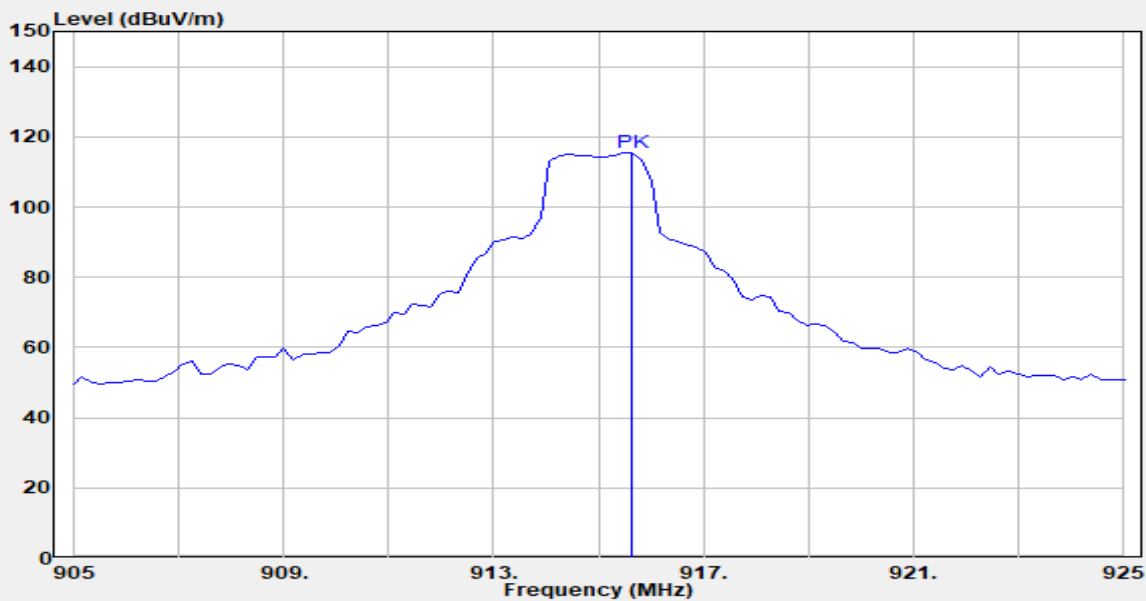
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
914.250	Peak	111.73	0.11	111.85	-	-

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :915 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



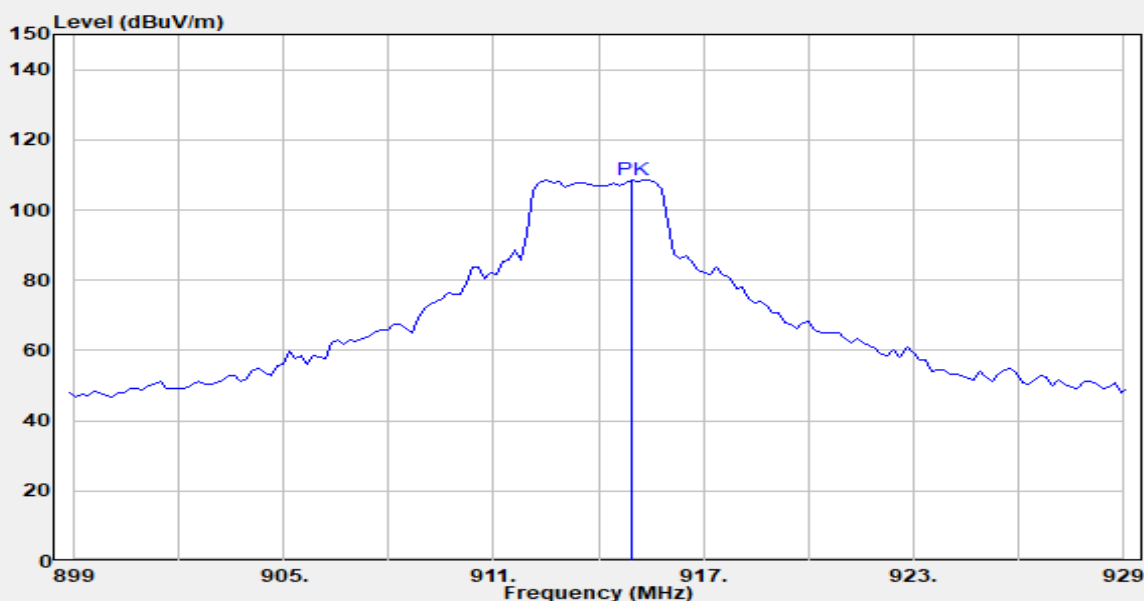
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
915.650	Peak	115.14	0.12	115.25	-	-

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Report Number :TERF2503001099ER
Operation Mode :HaLow 4M
Test Frequency :914 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-07-22
Temp./Humi. :24.2°C/62%
Antenna Pol. :Vertical
Engineer :WJ Lin



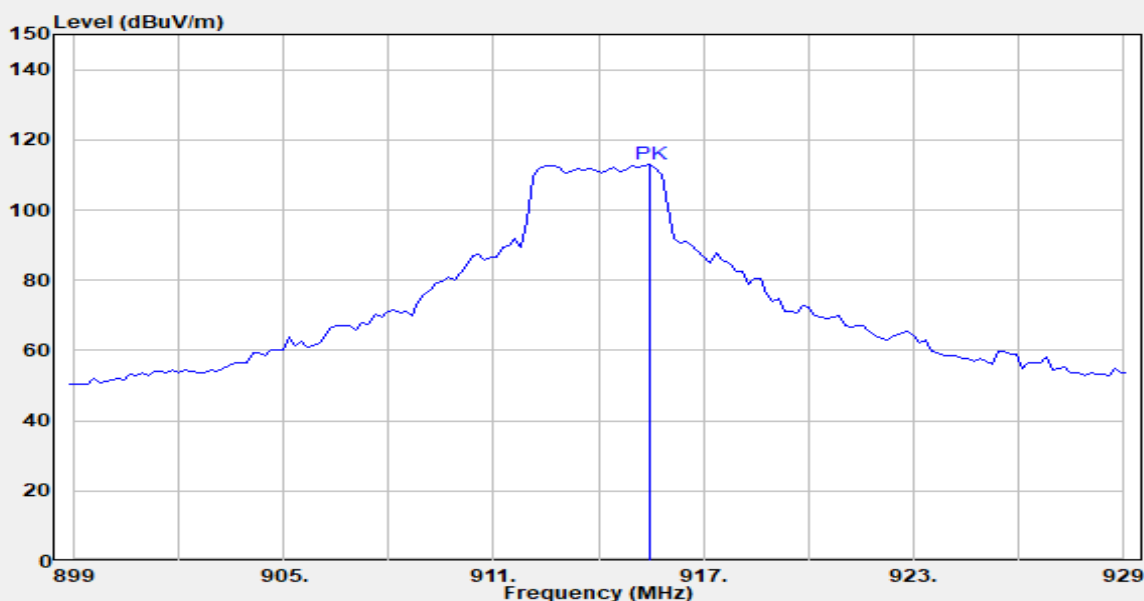
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
914.950	Peak	108.54	0.11	108.66	-	-

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :914 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



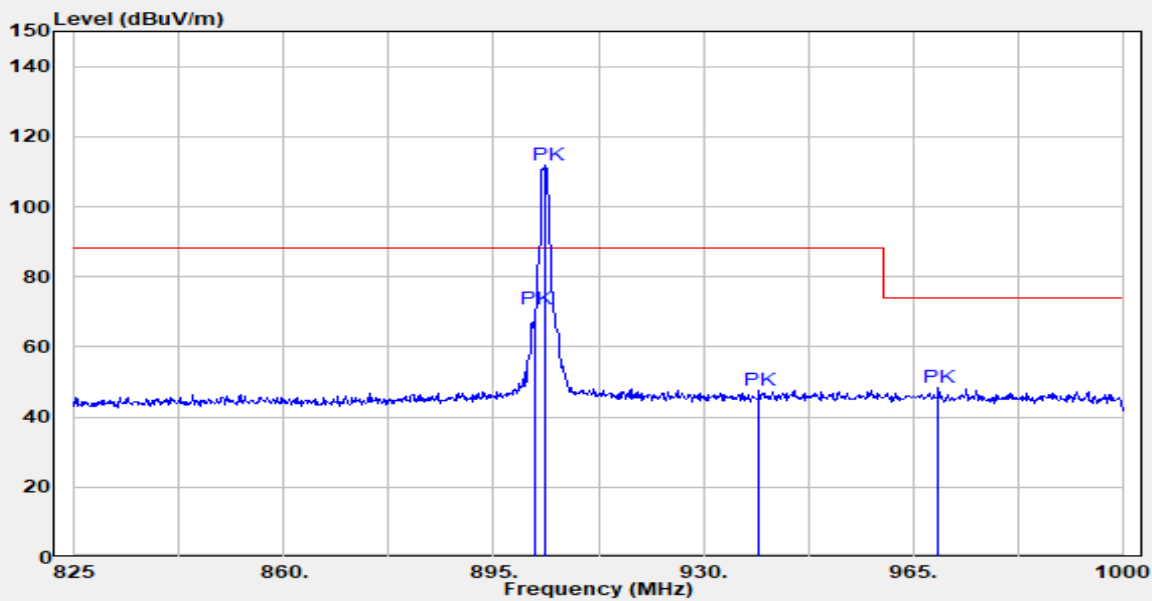
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
915.475	Peak	112.70	0.12	112.82	-	-

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :903.5 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



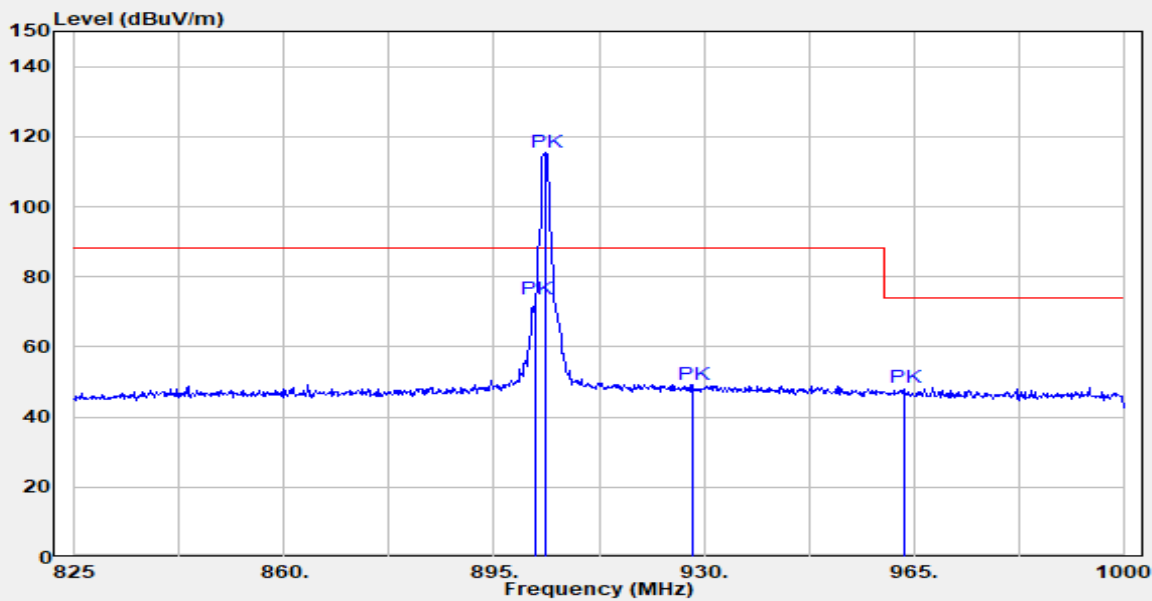
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.000	Peak	70.64	0.00	70.65	88.10	-17.45
903.750	Peak	111.86	0.00	111.87	-	-
939.275	Peak	47.07	0.56	47.63	88.10	-40.47
969.200	Peak	47.31	0.93	48.24	74.00	-25.76

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :903.5 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



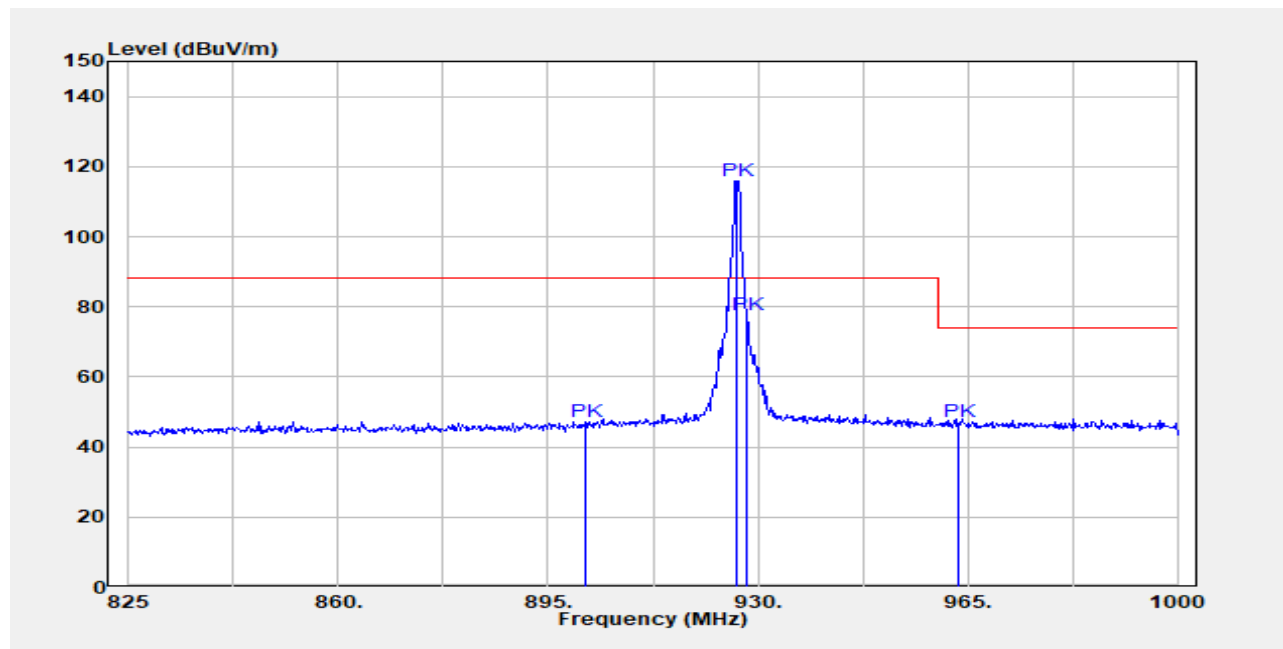
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.000	Peak	73.59	0.00	73.59	88.10	-14.51
903.500	Peak	115.57	0.00	115.57	-	-
928.075	Peak	48.92	0.29	49.21	88.10	-38.89
963.425	Peak	47.34	0.89	48.23	74.00	-25.77

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :926.5 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



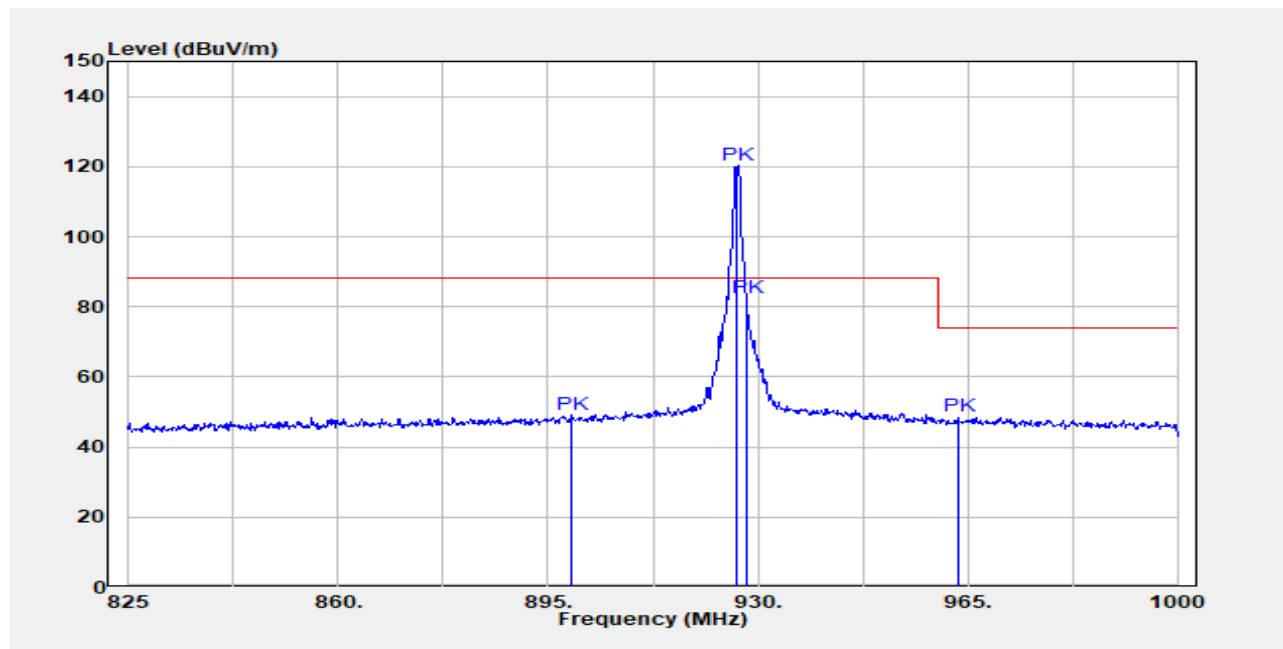
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
901.125	Peak	47.32	0.00	47.32	88.10	-40.78
926.500	Peak	115.70	0.26	115.95	-	-
928.000	Peak	77.55	0.29	77.83	88.10	-10.27
963.425	Peak	46.29	0.89	47.18	74.00	-26.82

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :926.5 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
898.850	Peak	49.25	-0.03	49.22	88.10	-38.88
926.500	Peak	119.90	0.26	120.16	-	-
928.000	Peak	82.37	0.29	82.66	88.10	-5.44
963.425	Peak	47.75	0.89	48.64	74.00	-25.36

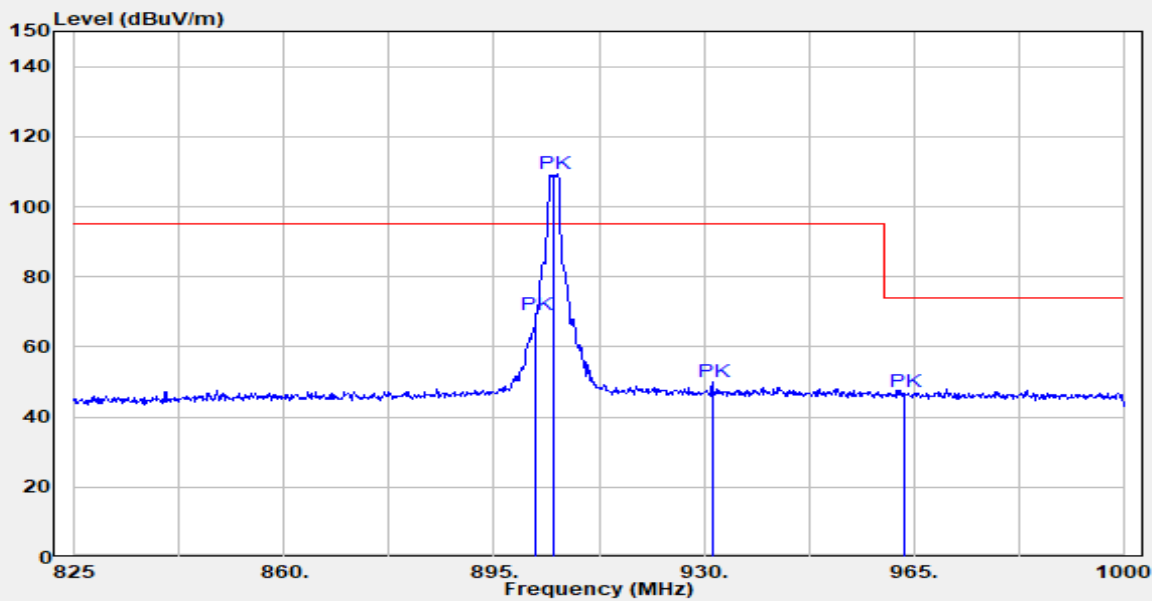
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :905 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



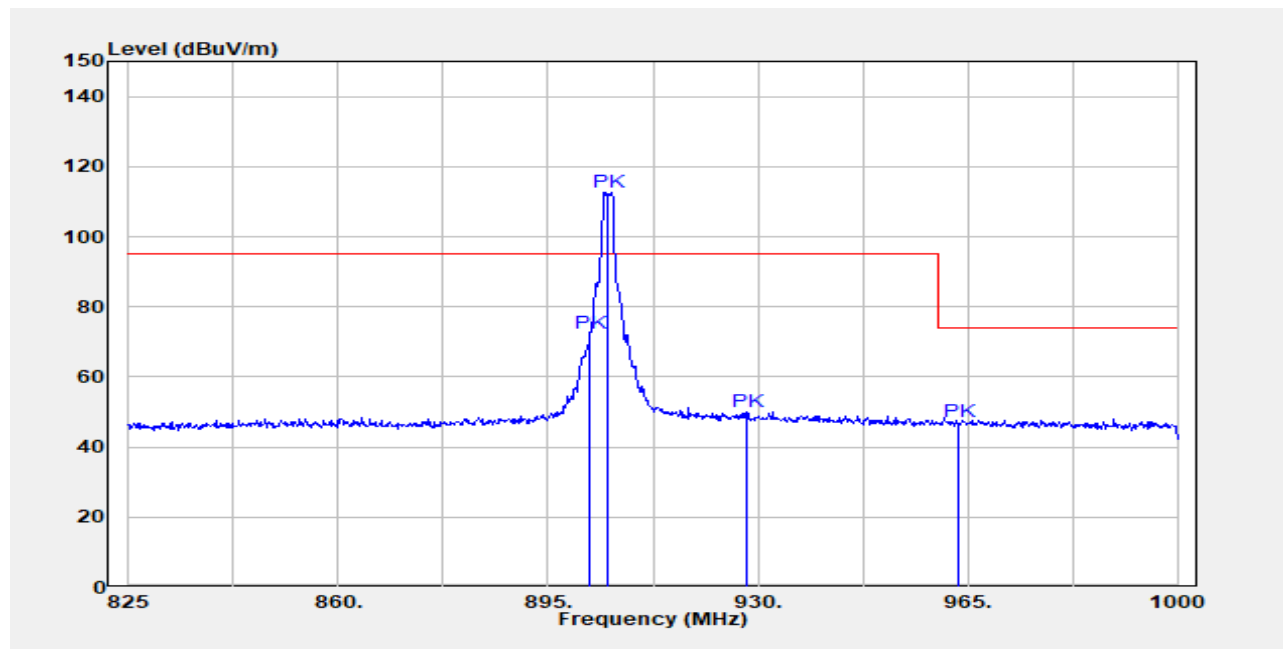
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.000	Peak	68.96	0.00	68.96	95.25	-26.29
905.000	Peak	109.24	0.01	109.24	-	-
931.400	Peak	49.60	0.37	49.96	95.25	-45.29
963.425	Peak	46.38	0.89	47.27	74.00	-26.73

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :905 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.000	Peak	72.23	0.00	72.23	95.25	-23.02
905.000	Peak	112.58	0.01	112.58	-	-
928.075	Peak	49.81	0.29	50.10	95.25	-45.15
963.425	Peak	46.29	0.89	47.18	74.00	-26.82

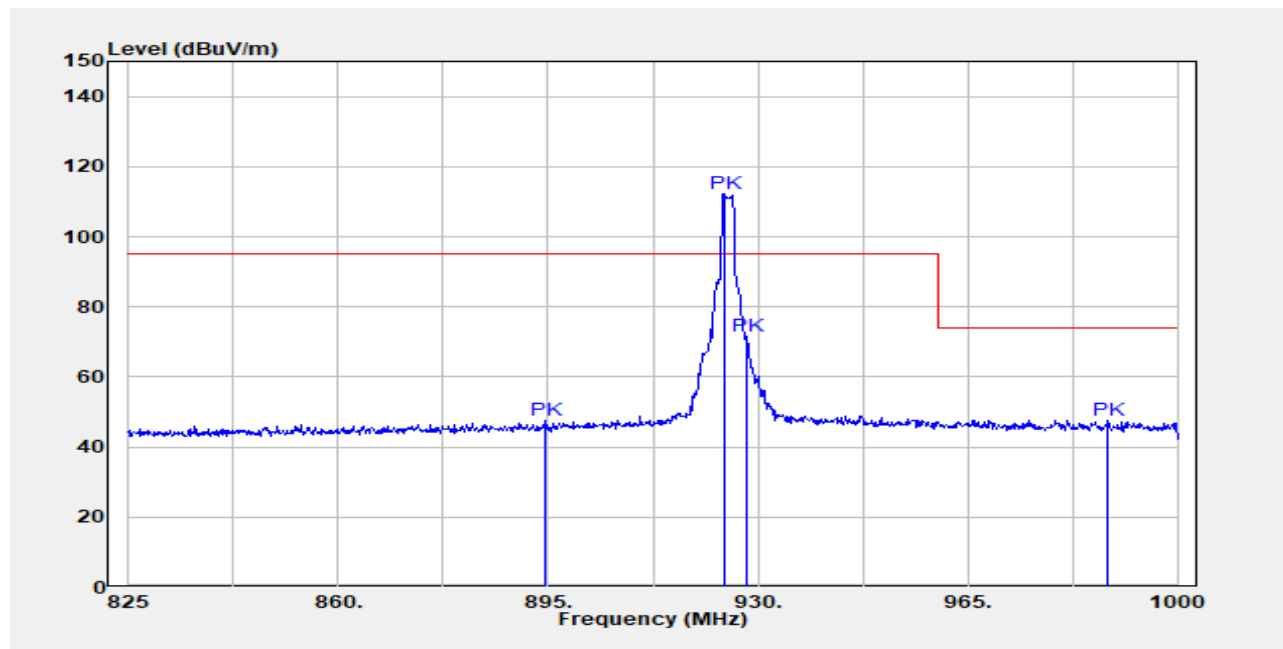
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :925 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



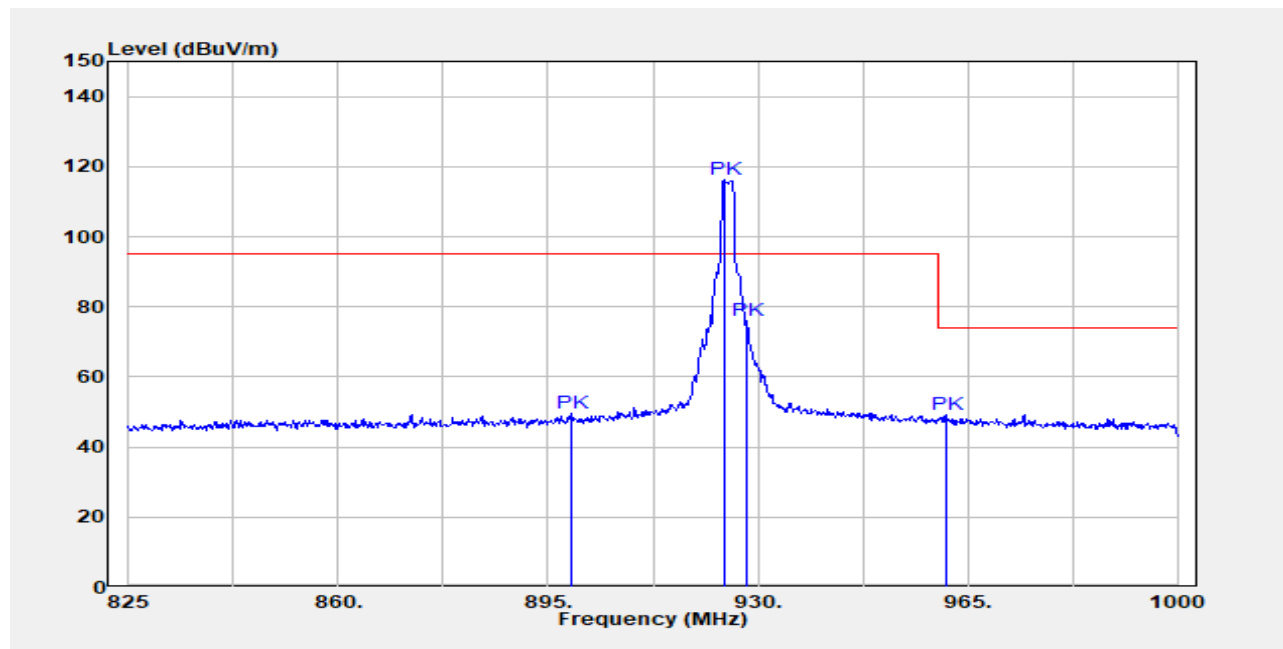
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
894.650	Peak	47.57	-0.13	47.44	95.25	-47.81
924.400	Peak	111.92	0.21	112.14	-	-
928.250	Peak	71.31	0.29	71.60	95.25	-23.65
988.450	Peak	46.63	0.91	47.54	74.00	-26.46

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :925 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
898.850	Peak	49.44	-0.03	49.42	95.25	-45.83
924.400	Peak	116.01	0.21	116.22	-	-
928.250	Peak	75.65	0.29	75.95	95.25	-19.30
961.325	Peak	48.41	0.88	49.29	74.00	-24.71

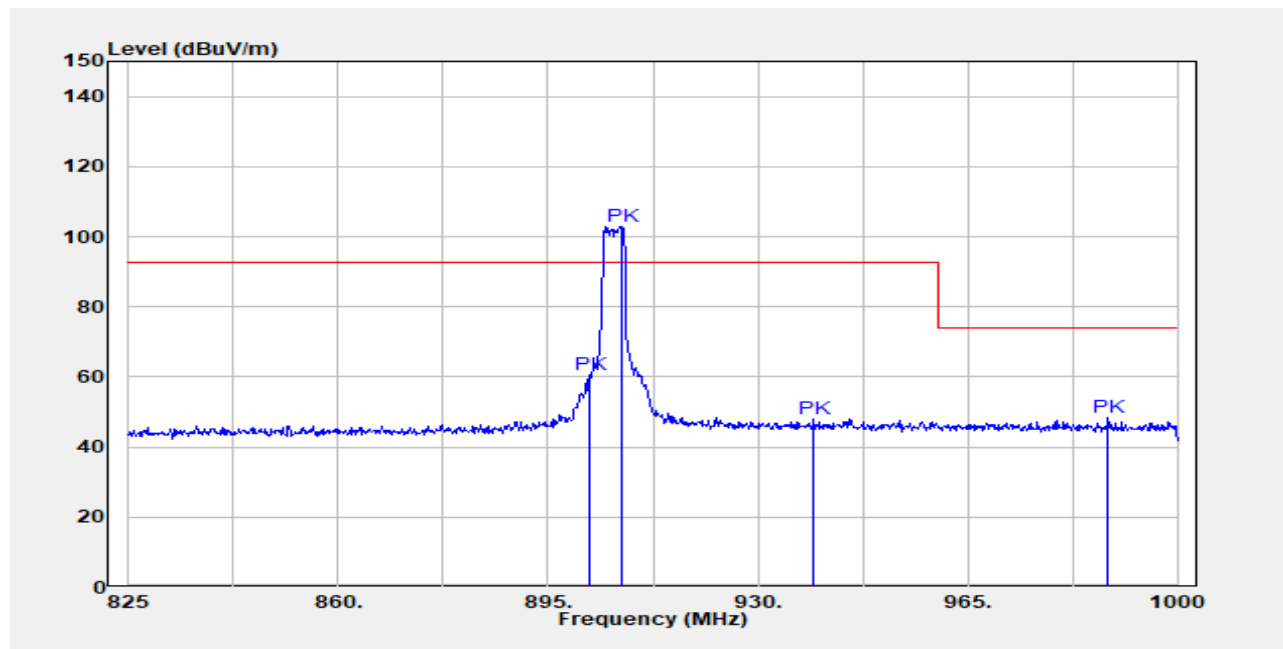
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :906 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.000	Peak	60.43	0.00	60.44	92.82	-32.38
907.425	Peak	102.71	0.06	102.77	-	-
939.275	Peak	47.37	0.56	47.93	92.82	-44.89
988.450	Peak	47.66	0.91	48.58	74.00	-25.42

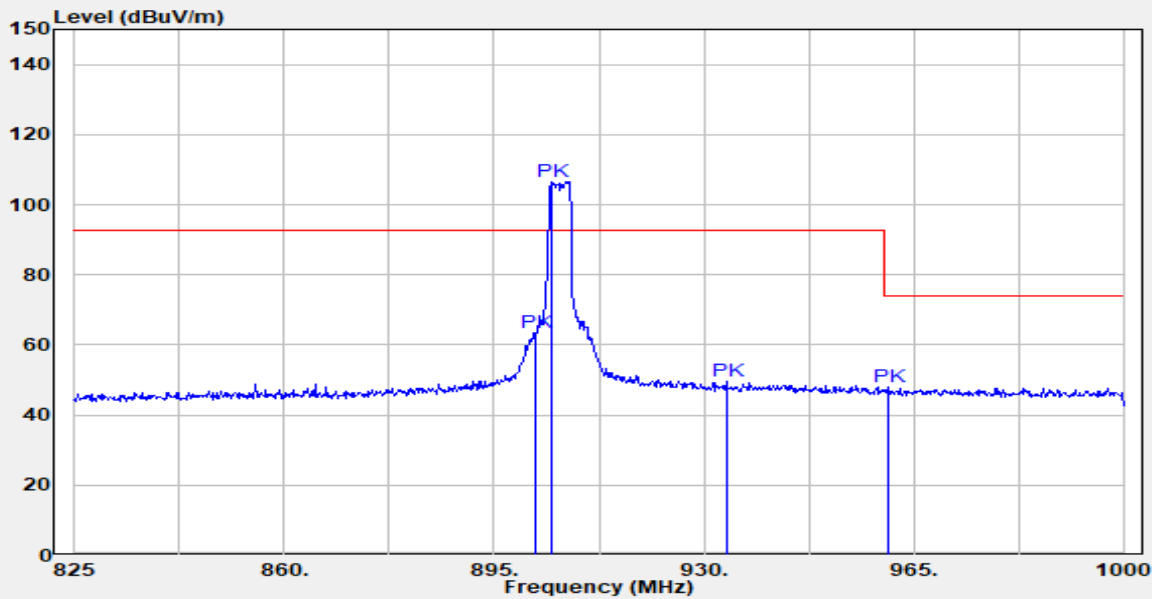
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :906 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.000	Peak	63.59	0.00	63.59	92.82	-29.23
904.625	Peak	106.61	0.00	106.61	-	-
933.850	Peak	48.99	0.43	49.41	92.82	-43.41
960.800	Peak	46.97	0.87	47.85	74.00	-26.15

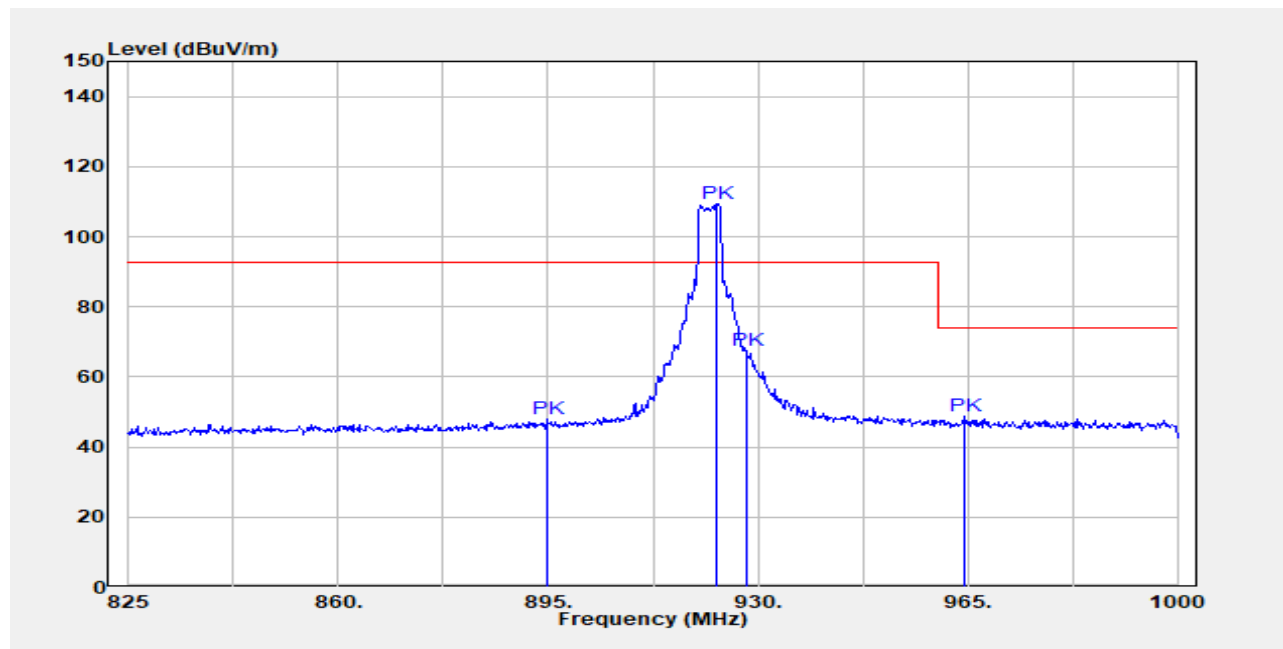
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :922 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
894.825	Peak	48.26	-0.12	48.13	92.82	-44.69
923.000	Peak	109.04	0.18	109.23	-	-
928.075	Peak	67.05	0.29	67.34	92.82	-25.48
964.475	Peak	47.76	0.90	48.65	74.00	-25.35

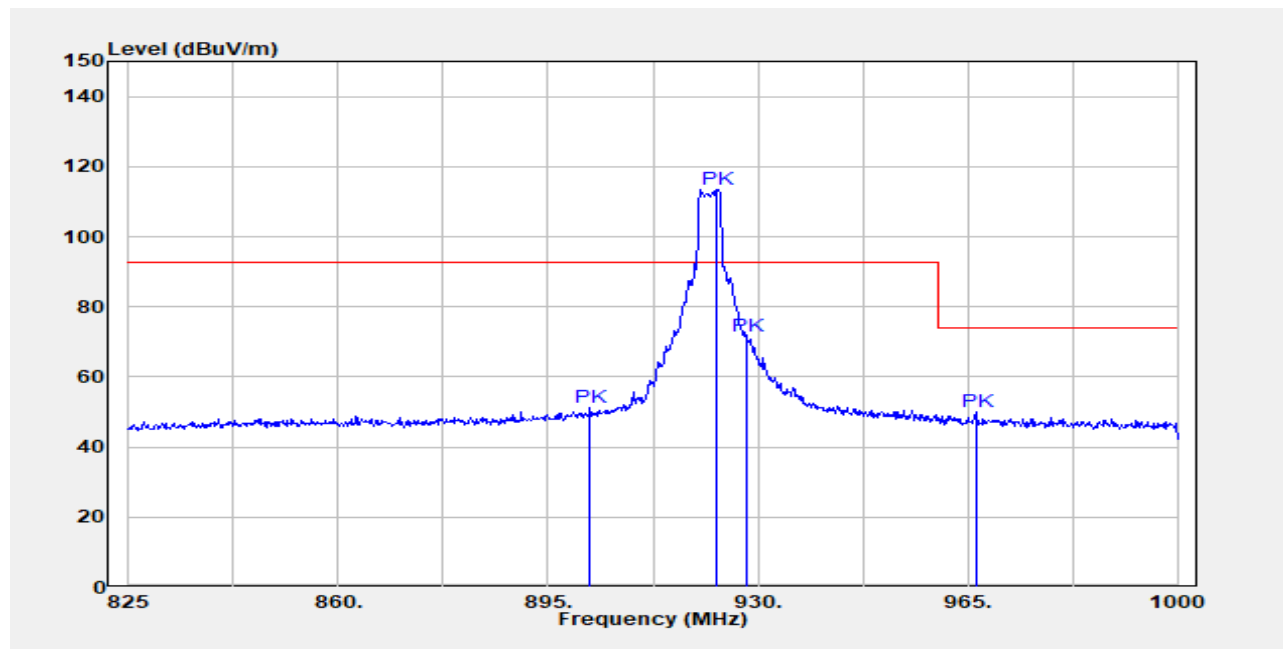
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :922 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.000	Peak	51.39	0.00	51.40	92.82	-41.42
923.000	Peak	113.23	0.18	113.41	-	-
928.075	Peak	71.18	0.29	71.47	92.82	-21.35
966.400	Peak	49.29	0.91	50.20	74.00	-23.80

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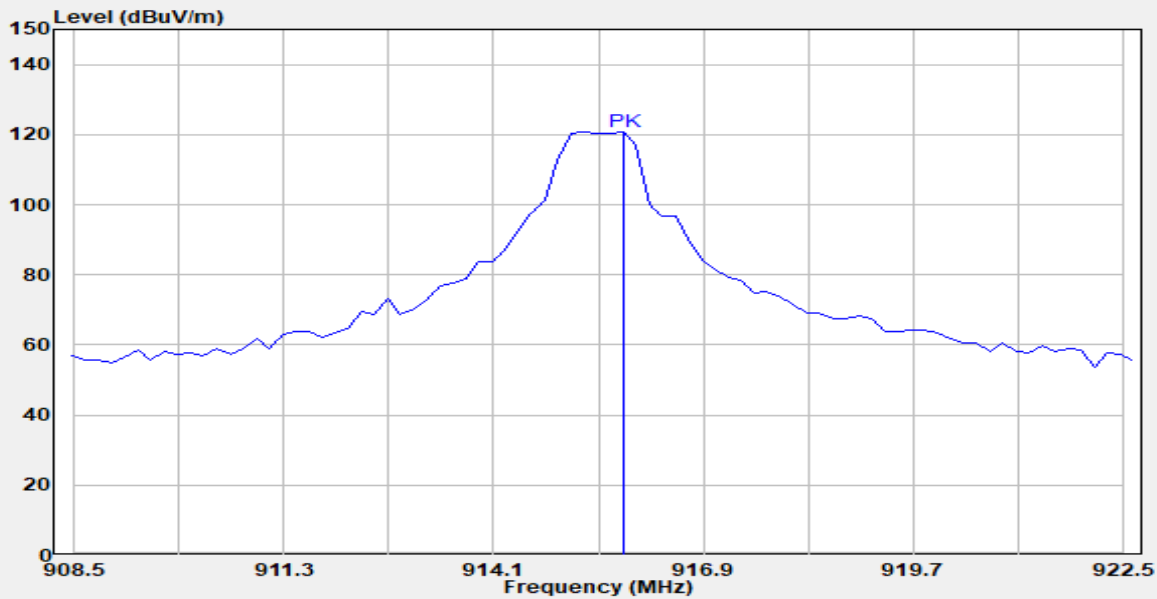
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Mode: Monopole Antenna

Report Number :TERF2503001099ER
Operation Mode :HaLow 1M
Test Frequency :915.5 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Vertical
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
915.825	Peak	120.72	0.12	120.84	-	-

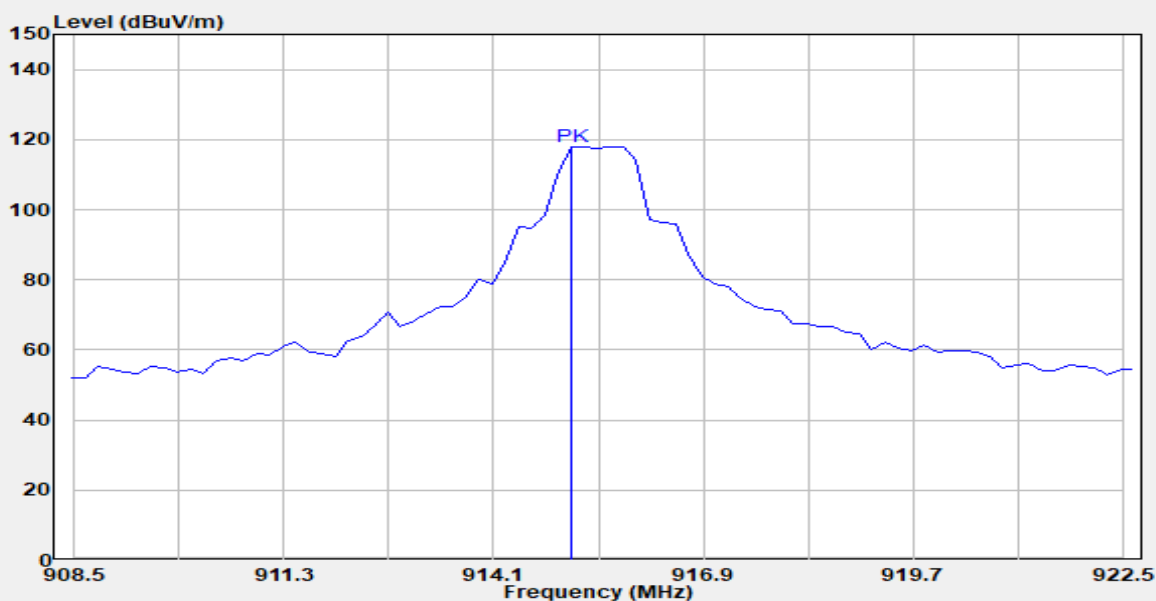
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Report Number :TERF2503001099ER
Operation Mode :HaLow 1M
Test Frequency :915.5 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Horizontal
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
915.125	Peak	117.89	0.12	118.00	-	-

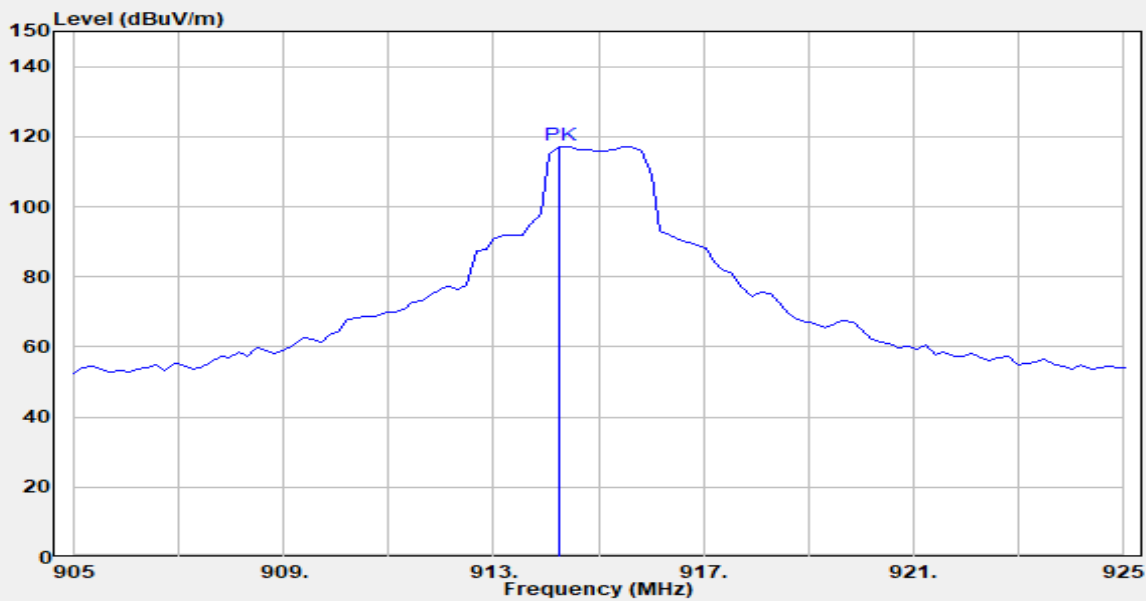
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :915 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



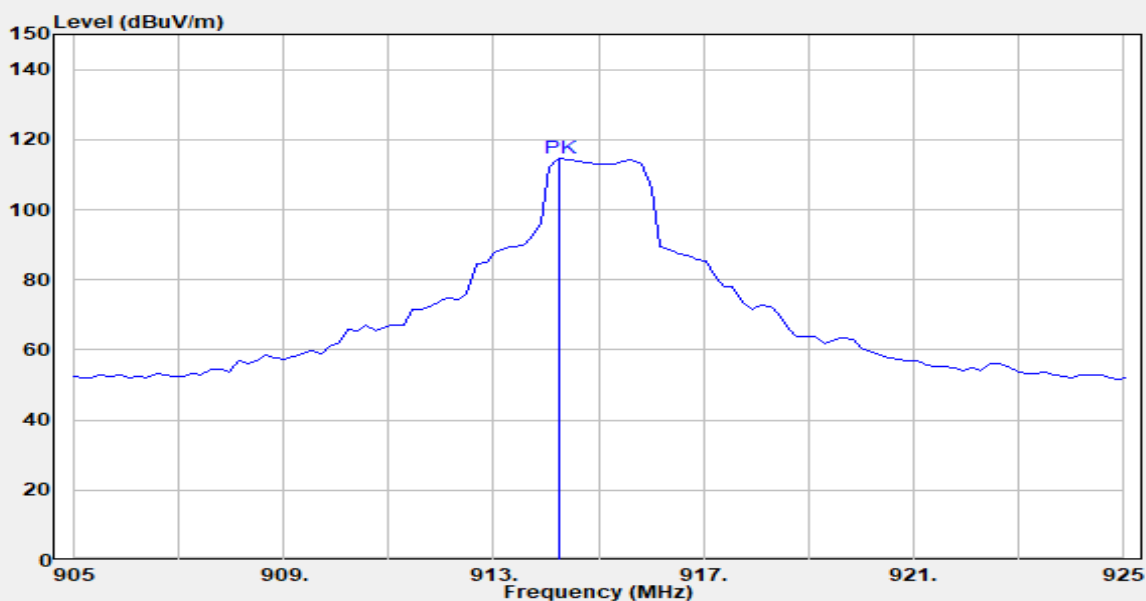
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
914.250	Peak	117.19	0.11	117.30	-	-

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :915 MHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
914.250	Peak	114.32	0.11	114.44	-	-

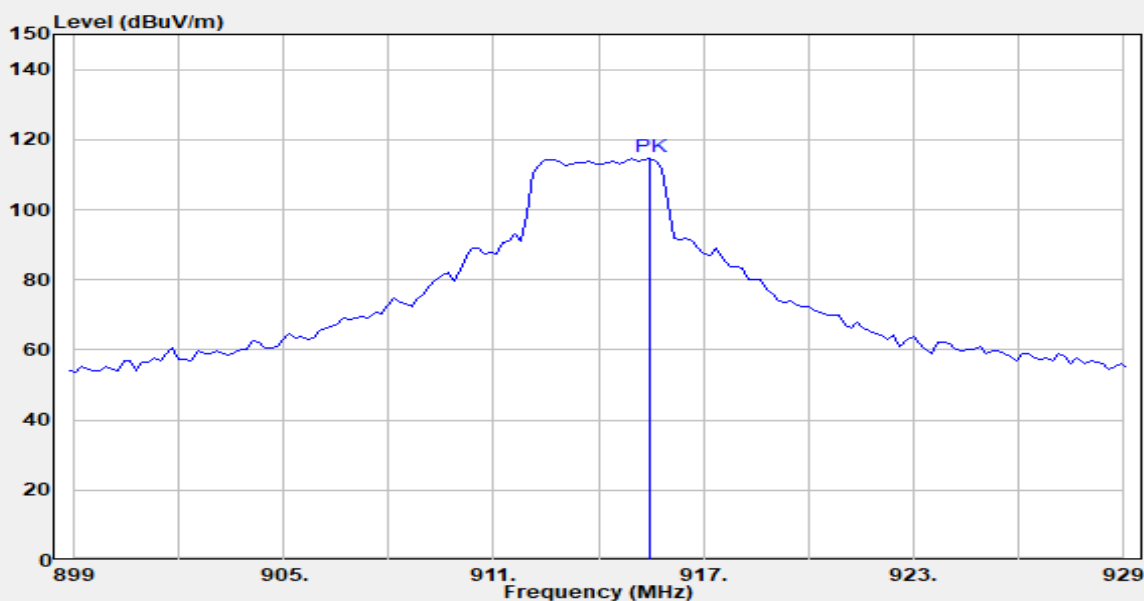
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Report Number :TERF2503001099ER
Operation Mode :HaLow 4M
Test Frequency :914 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Vertical
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
915.475	Peak	114.82	0.12	114.94	-	-

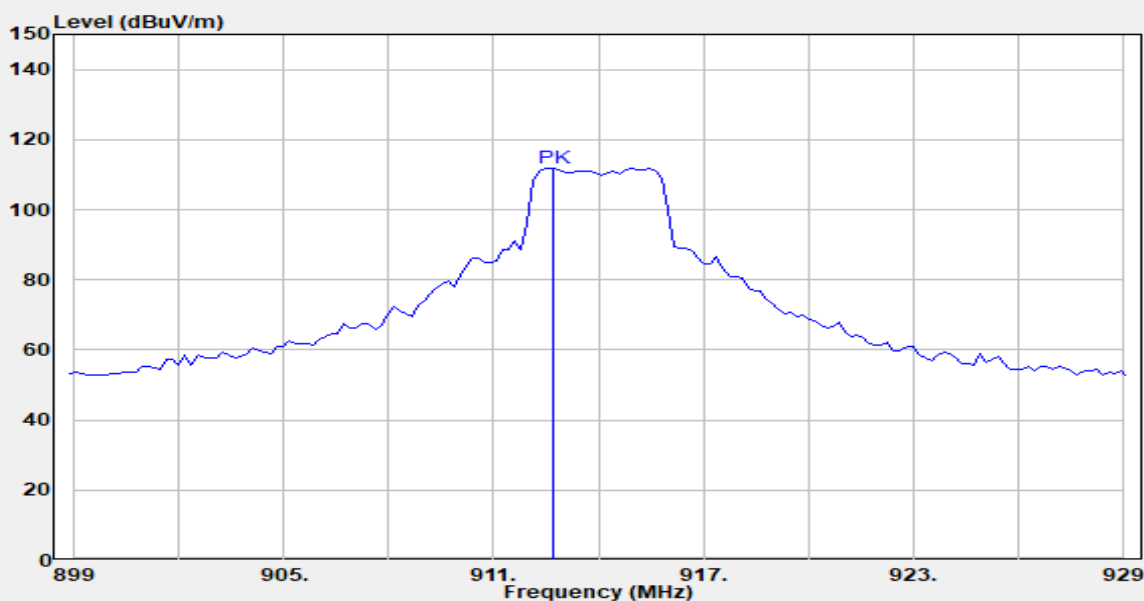
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Report Number :TERF2503001099ER
Operation Mode :HaLow 4M
Test Frequency :914 MHz
Test Mode :Main
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Horizontal
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
912.675	Peak	111.71	0.11	111.83	-	-

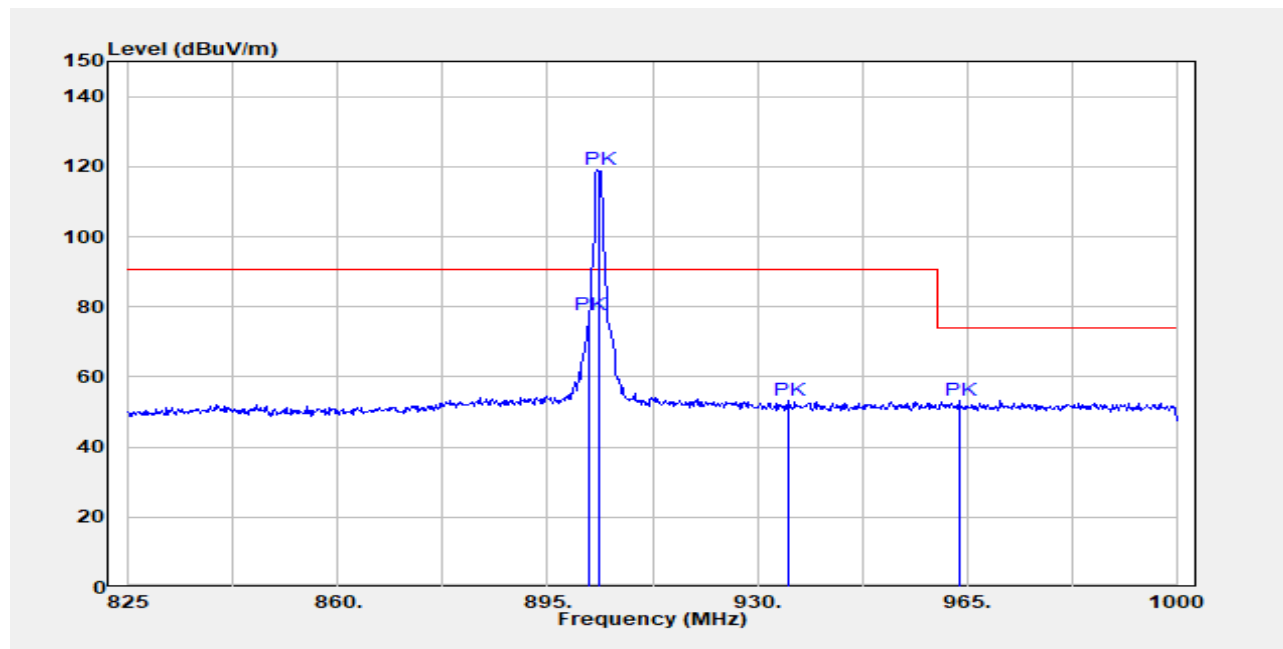
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Report Number :TERF2503001099ER
Operation Mode :HaLow 1M
Test Frequency :903.5 MHz
Test Mode :Bandedge
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Vertical
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.000	Peak	77.81	0.00	77.82	90.84	-13.02
903.500	Peak	119.04	0.00	119.04	-	-
935.250	Peak	52.73	0.46	53.19	90.84	-37.65
963.775	Peak	52.44	0.89	53.33	74.00	-20.67

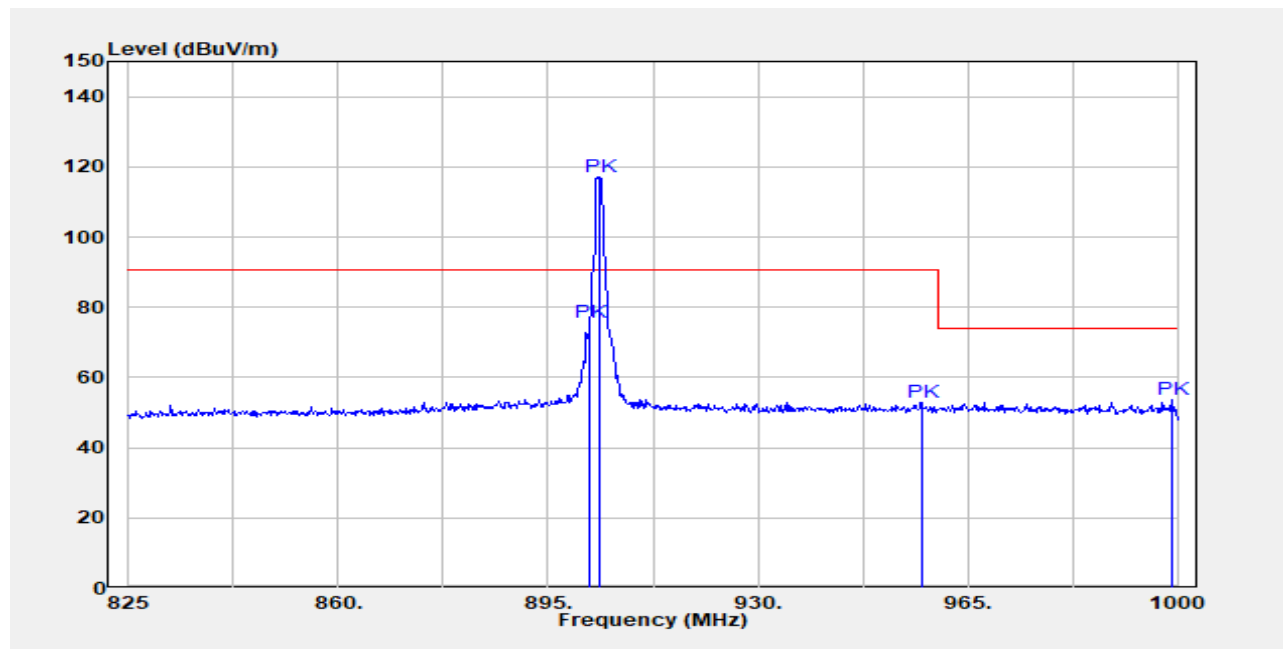
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Report Number :TERF2503001099ER
Operation Mode :HaLow 1M
Test Frequency :903.5 MHz
Test Mode :Bandedge
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Horizontal
Engineer :WJ Lin



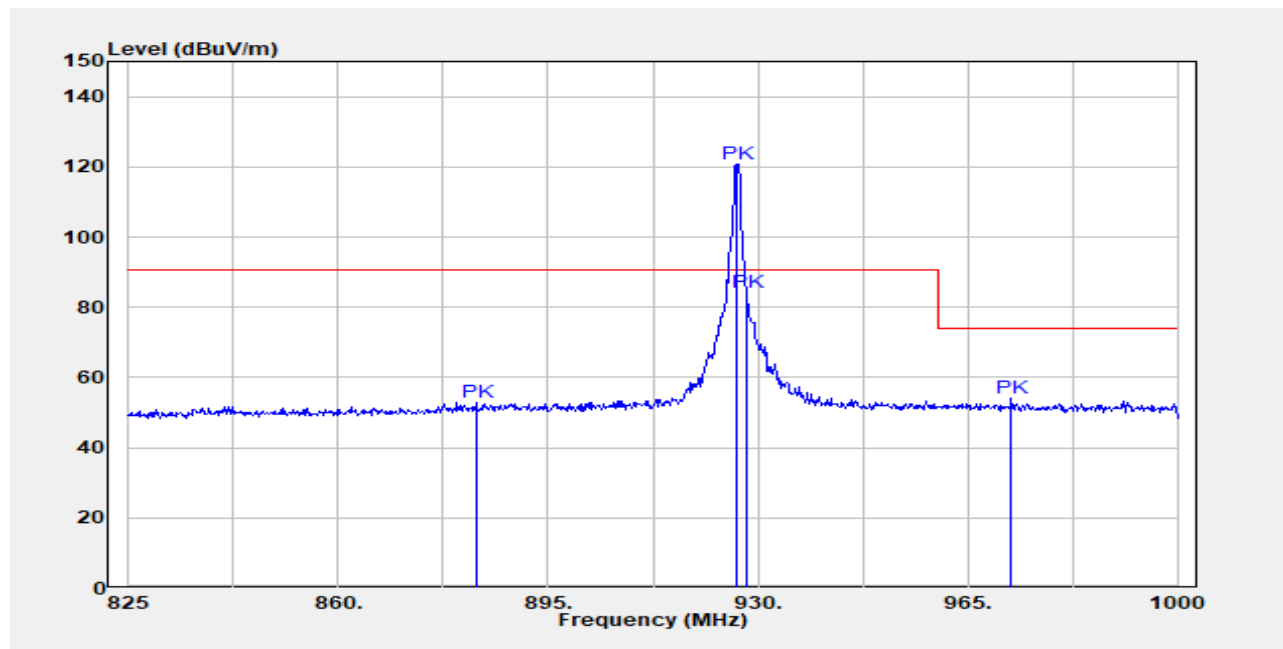
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.000	Peak	75.45	0.00	75.45	90.84	-15.39
903.500	Peak	117.06	0.00	117.06	-	-
957.300	Peak	52.12	0.91	53.03	90.84	-37.81
999.125	Peak	52.56	0.98	53.55	74.00	-20.45

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :926.5 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



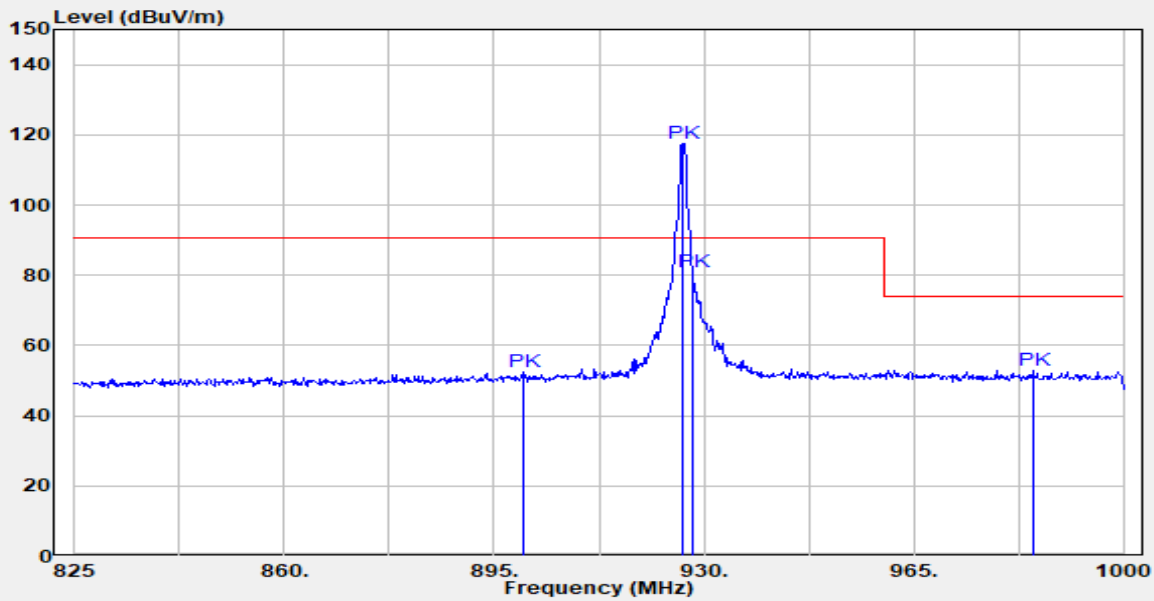
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
882.925	Peak	53.37	-0.38	52.99	90.84	-37.85
926.500	Peak	120.52	0.26	120.78	-	-
928.075	Peak	83.96	0.29	84.25	90.84	-6.59
972.350	Peak	52.97	0.93	53.89	74.00	-20.11

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :926.5 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
899.725	Peak	52.30	-0.01	52.30	90.84	-38.54
926.500	Peak	117.18	0.26	117.43	-	-
928.075	Peak	80.71	0.29	81.00	90.84	-9.84
984.950	Peak	52.13	0.92	53.05	74.00	-20.95

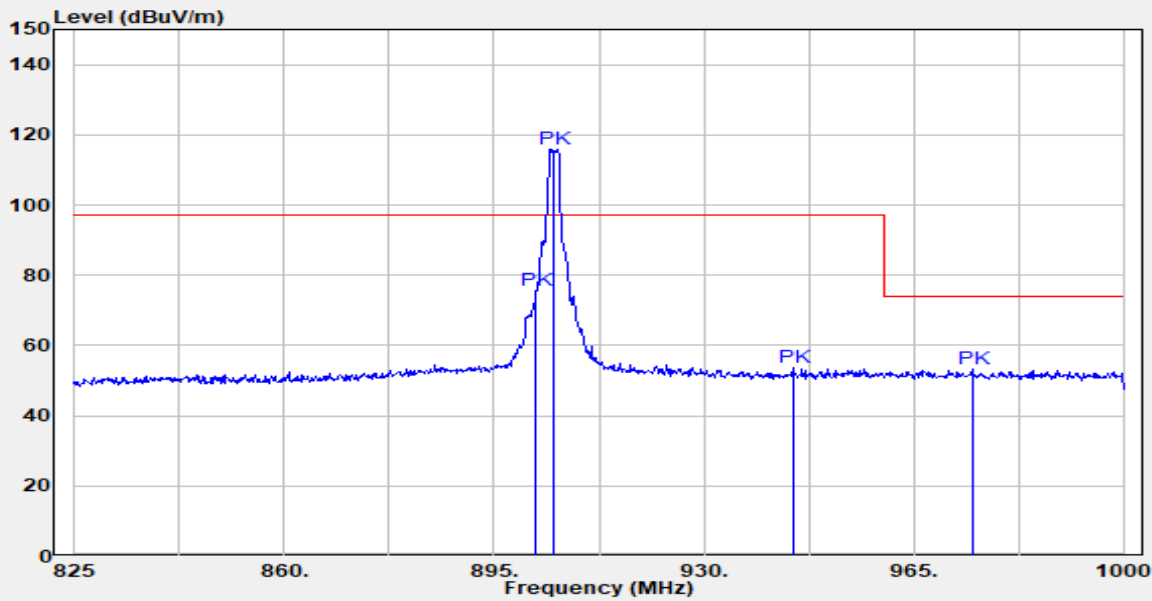
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :905 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.000	Peak	75.42	0.00	75.42	97.30	-21.88
905.000	Peak	115.96	0.01	115.97	-	-
944.875	Peak	52.93	0.80	53.73	97.30	-43.57
974.800	Peak	52.28	0.93	53.20	74.00	-20.80

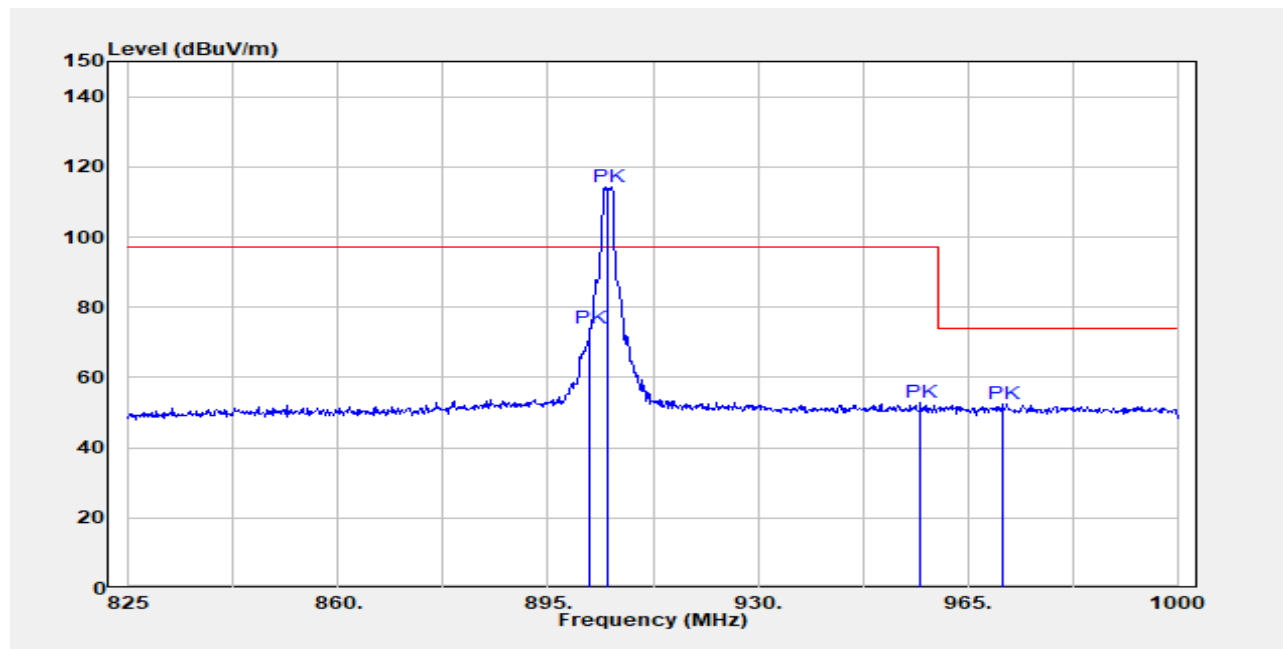
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Report Number :TERF2503001099ER
Operation Mode :HaLow 2M
Test Frequency :905 MHz
Test Mode :Bandedge
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Horizontal
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.000	Peak	73.92	0.00	73.93	97.30	-23.37
905.000	Peak	114.14	0.01	114.14	-	-
957.125	Peak	51.84	0.92	52.76	97.30	-44.54
970.775	Peak	51.67	0.93	52.60	74.00	-21.40

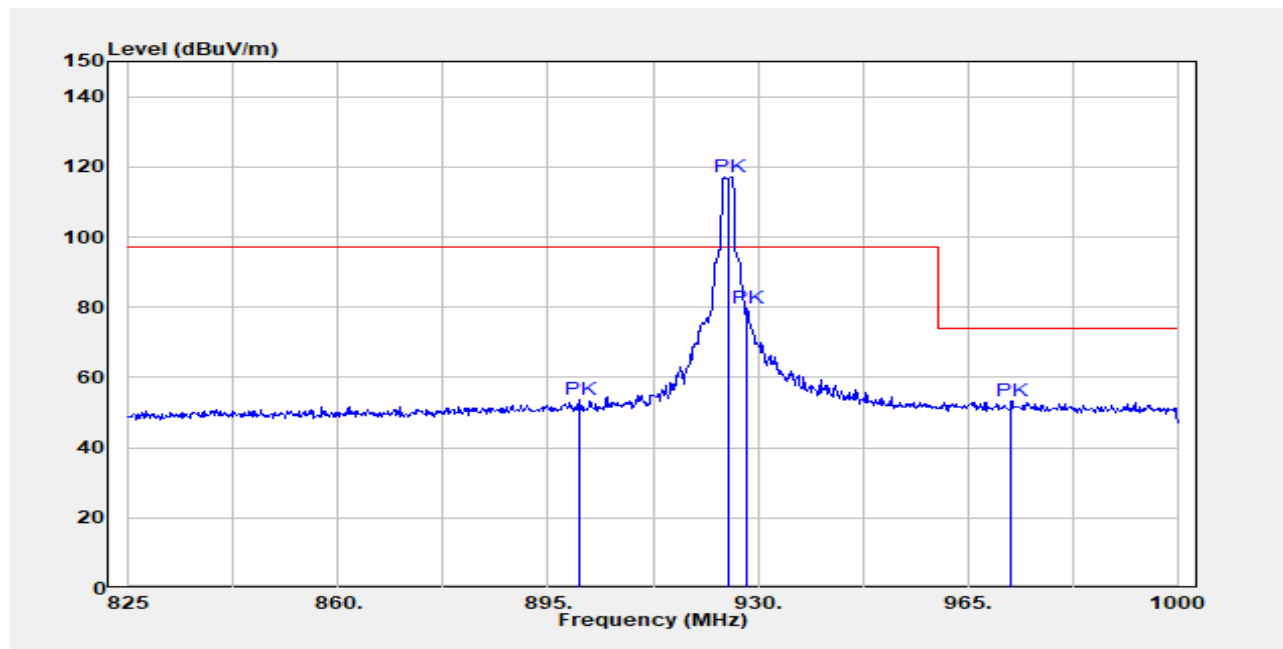
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :925 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



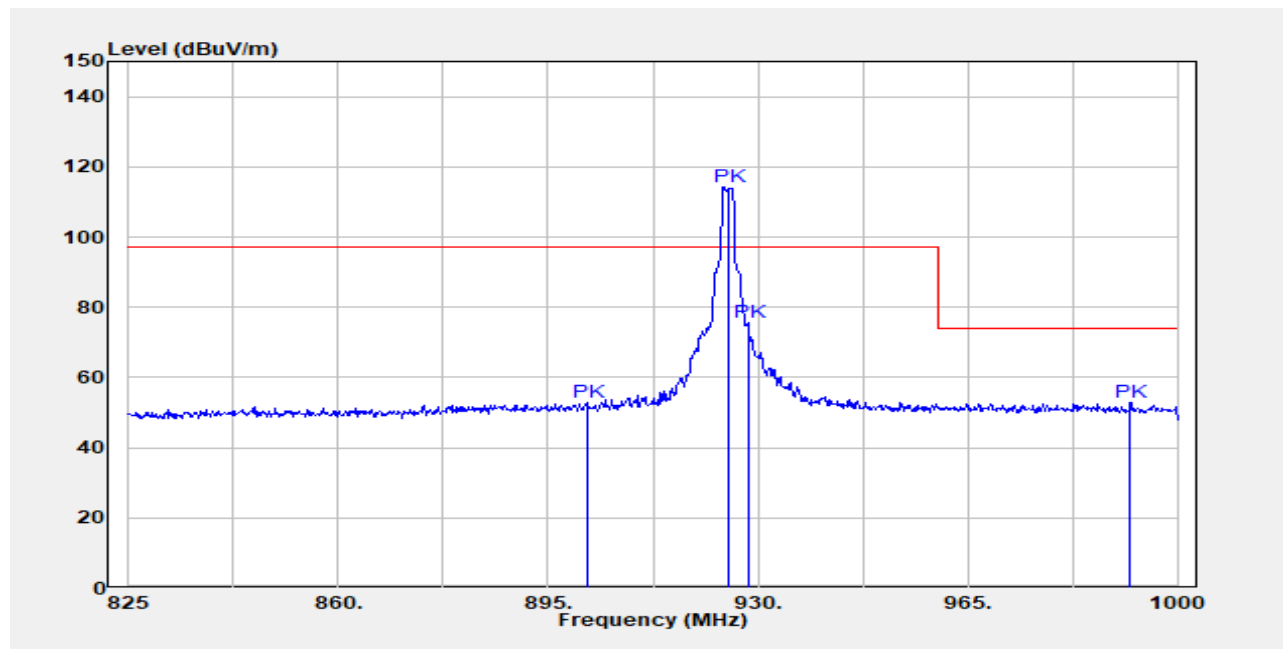
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
900.250	Peak	53.52	0.00	53.52	97.30	-43.78
925.000	Peak	117.05	0.22	117.27	-	-
928.250	Peak	79.26	0.29	79.55	97.30	-17.75
972.350	Peak	52.52	0.93	53.45	74.00	-20.55

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :925 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



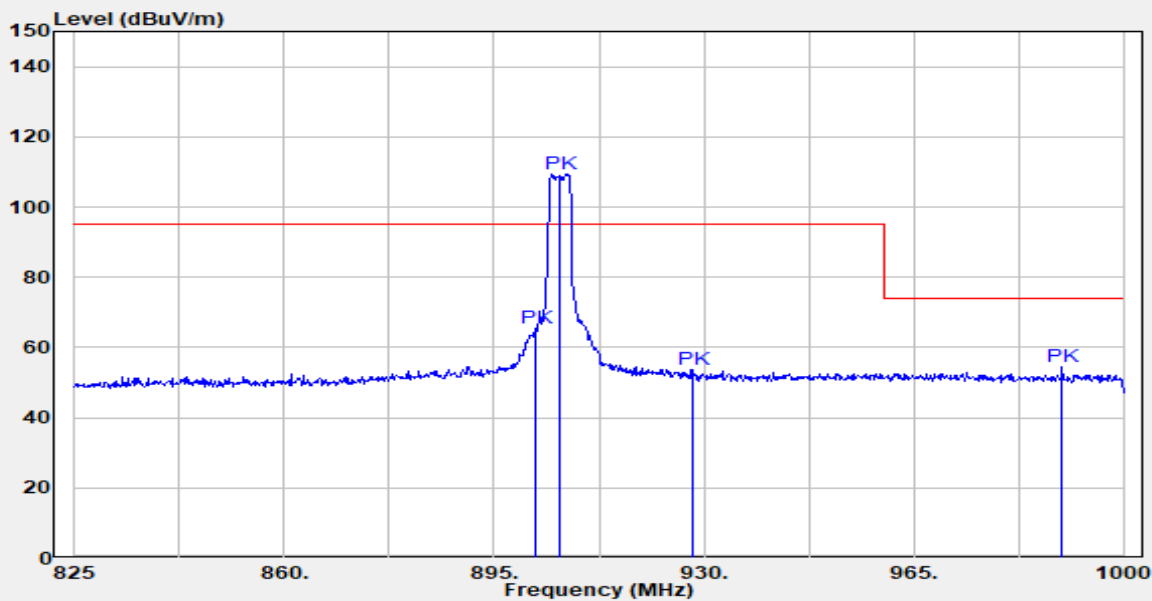
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
901.475	Peak	52.65	0.00	52.65	97.30	-44.65
925.000	Peak	113.97	0.22	114.20	-	-
928.425	Peak	75.16	0.30	75.46	97.30	-21.84
992.125	Peak	51.91	0.95	52.86	74.00	-21.14

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :906 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



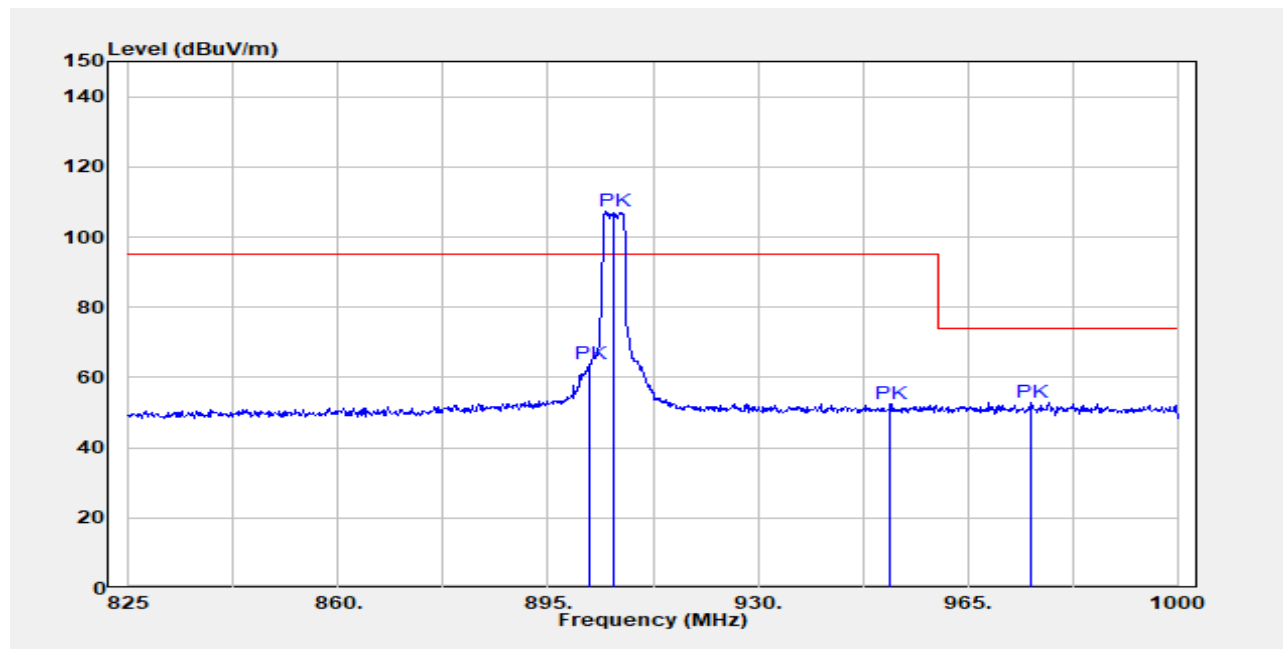
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.000	Peak	65.61	0.00	65.61	94.94	-29.33
906.000	Peak	109.40	0.03	109.42	-	-
928.075	Peak	53.36	0.29	53.65	94.94	-41.29
989.850	Peak	53.51	0.91	54.42	74.00	-19.58

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :906 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



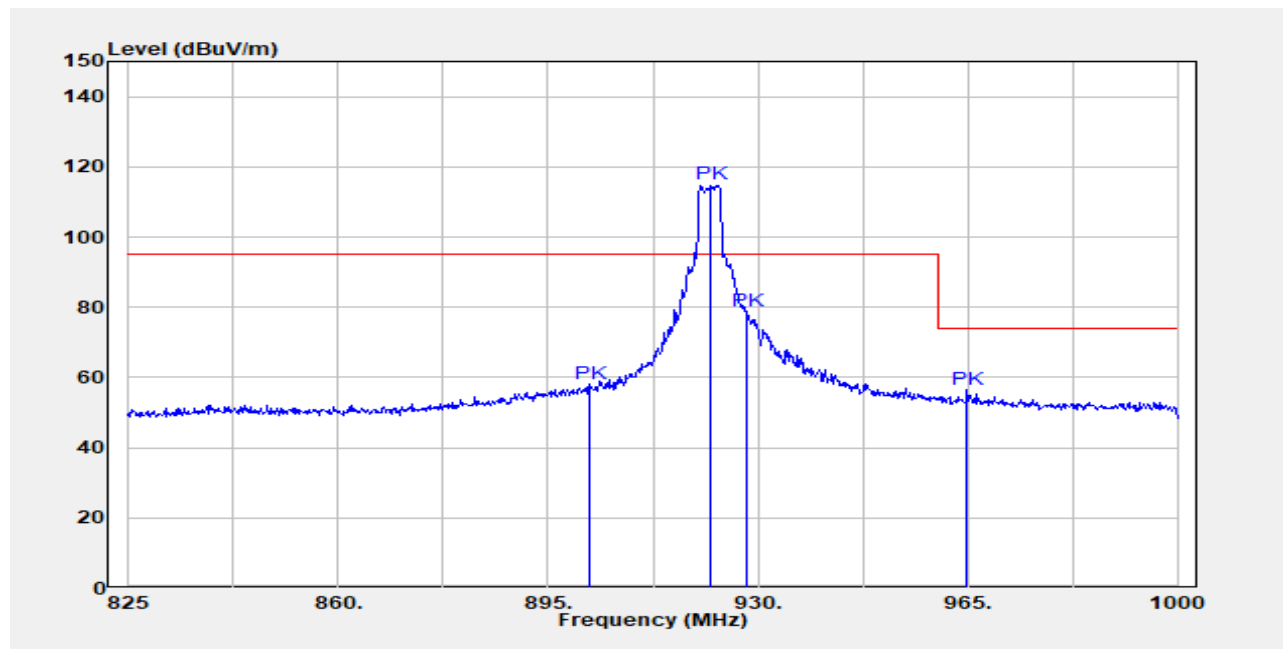
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
901.825	Peak	63.83	0.00	63.83	94.94	-31.11
906.000	Peak	107.35	0.03	107.38	-	-
952.050	Peak	51.67	0.88	52.55	94.94	-42.39
975.675	Peak	51.92	0.92	52.85	74.00	-21.15

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :922 MHz
 Test Mode :Bandedge
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-08-07
 Temp./Humi. :23.5°C/57%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



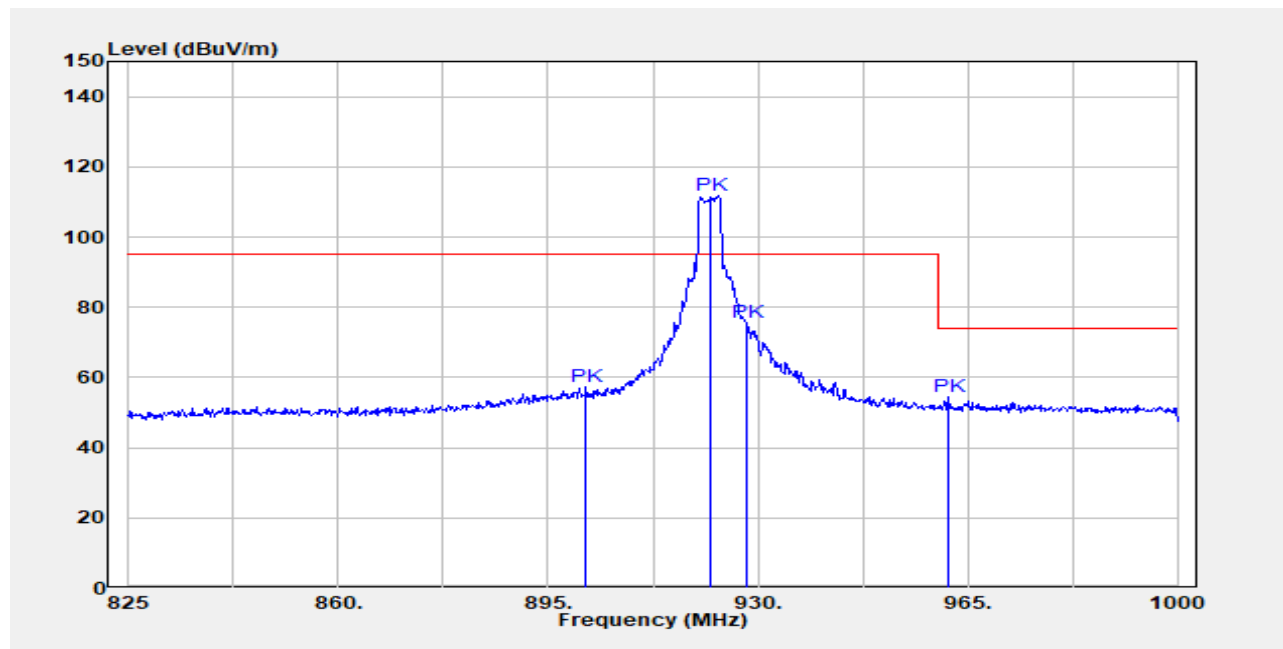
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
901.825	Peak	57.97	0.00	57.97	94.94	-36.97
922.000	Peak	114.78	0.16	114.94	-	-
928.075	Peak	78.59	0.29	78.88	94.94	-16.06
964.825	Peak	55.52	0.90	56.42	74.00	-17.58

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Report Number :TERF2503001099ER
Operation Mode :HaLow 4M
Test Frequency :922 MHz
Test Mode :Bandedge
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-08-07
Temp./Humi. :23.5°C/57%
Antenna Pol. :Horizontal
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
901.300	Peak	57.20	0.00	57.20	94.94	-37.74
922.000	Peak	111.46	0.16	111.62	-	-
928.075	Peak	75.39	0.29	75.68	94.94	-19.26
961.675	Peak	53.76	0.88	54.64	74.00	-19.36

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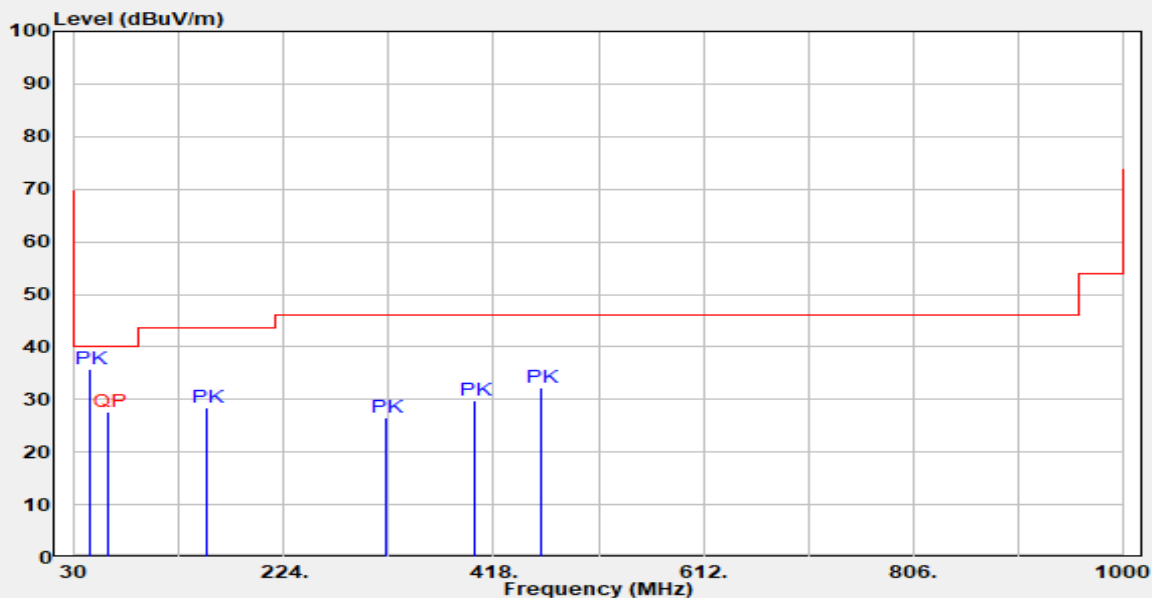
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11.6.2 Radiated Spurious Emission

Mode: Dipole Antenna

Report Number :TERF2503001099ER
Operation Mode :HaLow 1M
Test Frequency :903.5 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-07-22
Temp./Humi. :24.2°C/62%
Antenna Pol. :Vertical
Engineer :WJ Lin



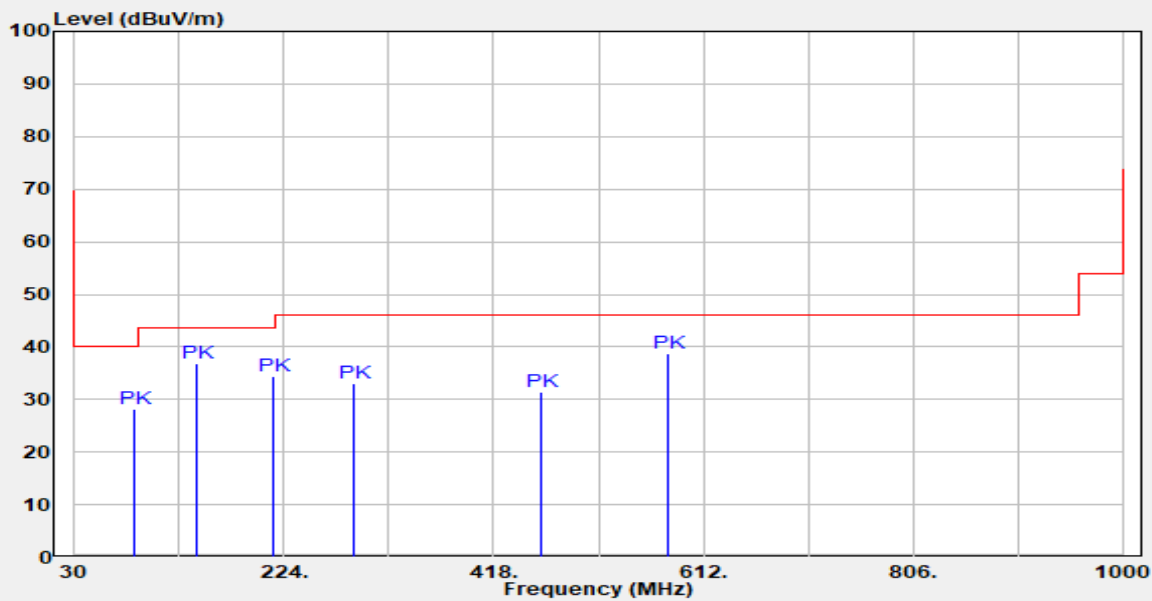
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
43.580	Peak	48.53	-12.80	35.73	40.00	-4.27
61.040	QP	40.74	-13.23	27.51	40.00	-12.49
152.220	Peak	40.89	-12.46	28.43	43.50	-15.07
318.090	Peak	37.80	-11.16	26.64	46.00	-19.36
399.570	Peak	38.89	-9.16	29.73	46.00	-16.27
462.620	Peak	39.49	-7.30	32.19	46.00	-13.81

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :903.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



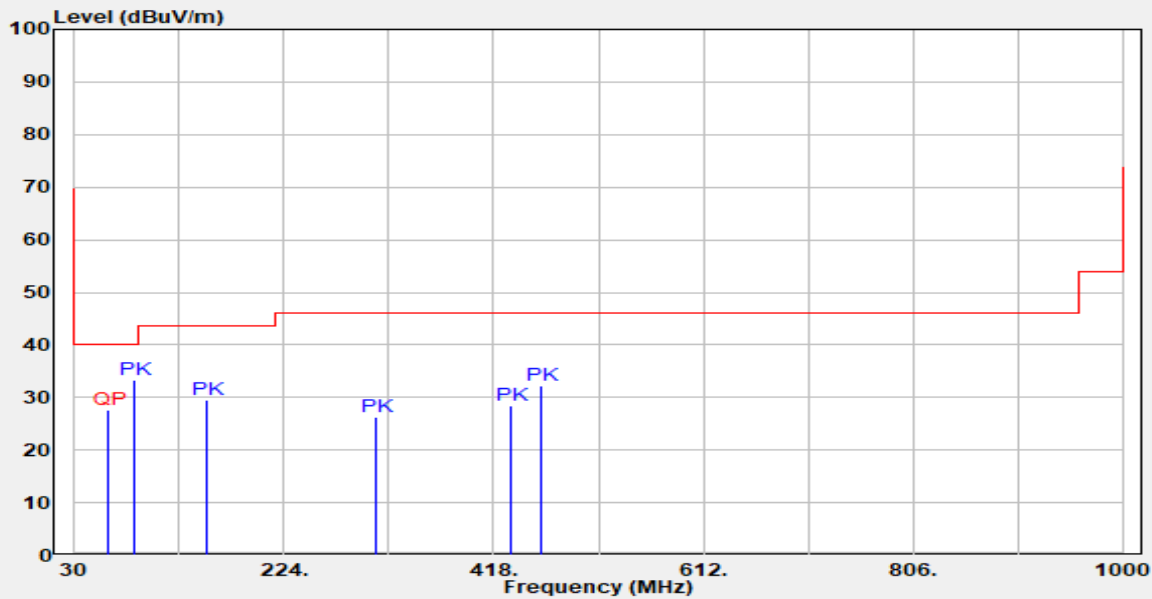
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
84.320	Peak	46.61	-18.37	28.24	40.00	-11.76
143.490	Peak	49.58	-12.77	36.81	43.50	-6.69
214.300	Peak	49.99	-15.51	34.48	43.50	-9.02
288.990	Peak	45.12	-11.96	33.16	46.00	-12.84
462.620	Peak	38.67	-7.30	31.37	46.00	-14.63
579.020	Peak	43.85	-5.08	38.77	46.00	-7.23

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :915.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
61.040	QP	40.96	-13.23	27.73	40.00	-12.27
84.320	Peak	51.63	-18.37	33.26	40.00	-6.74
152.220	Peak	41.87	-12.46	29.42	43.50	-14.08
308.390	Peak	37.84	-11.52	26.32	46.00	-19.68
433.520	Peak	36.58	-8.05	28.53	46.00	-17.47
462.620	Peak	39.53	-7.30	32.23	46.00	-13.77

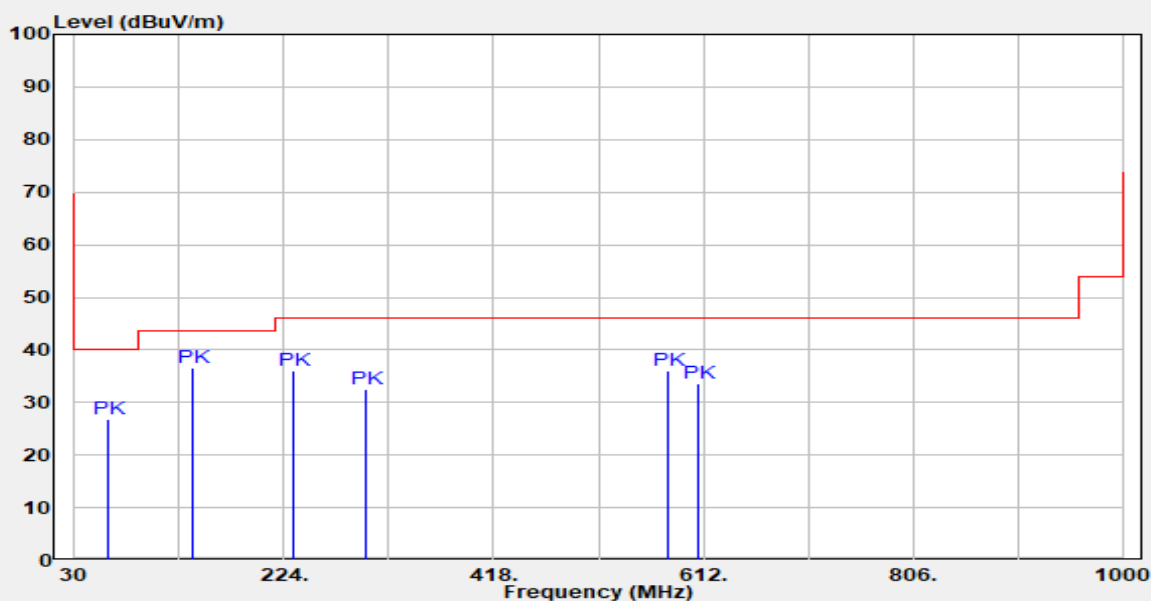
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :915.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
61.040	Peak	40.09	-13.23	26.87	40.00	-13.13
138.640	Peak	49.78	-13.16	36.61	43.50	-6.89
231.760	Peak	51.04	-15.01	36.03	46.00	-9.97
299.660	Peak	44.29	-11.81	32.48	46.00	-13.52
579.020	Peak	41.15	-5.08	36.07	46.00	-9.93
607.150	Peak	37.80	-4.30	33.50	46.00	-12.50

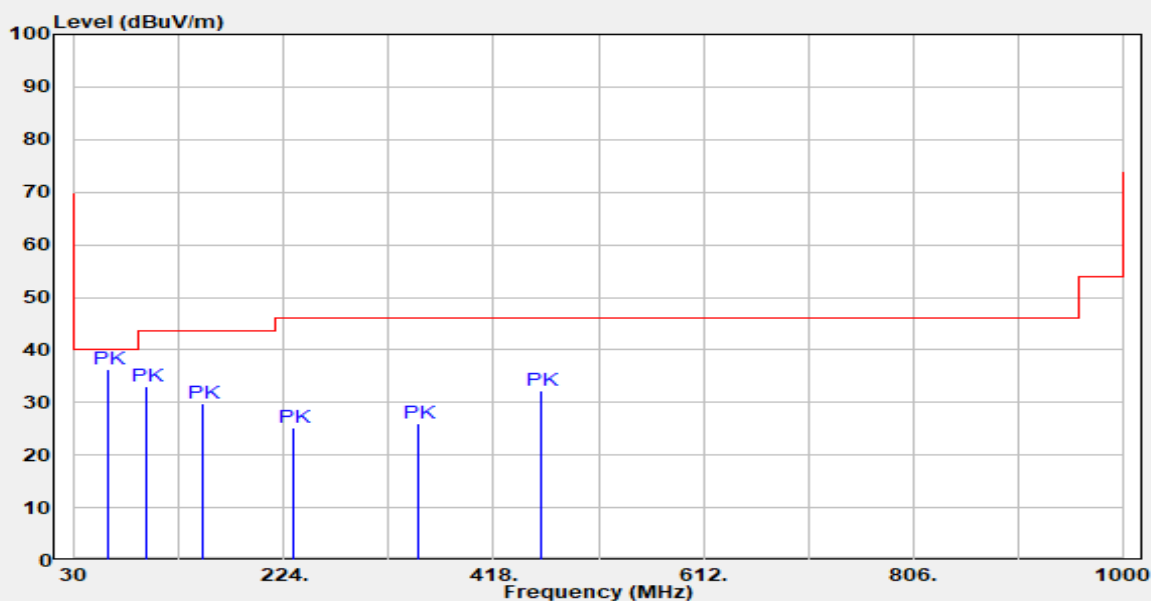
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :926.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



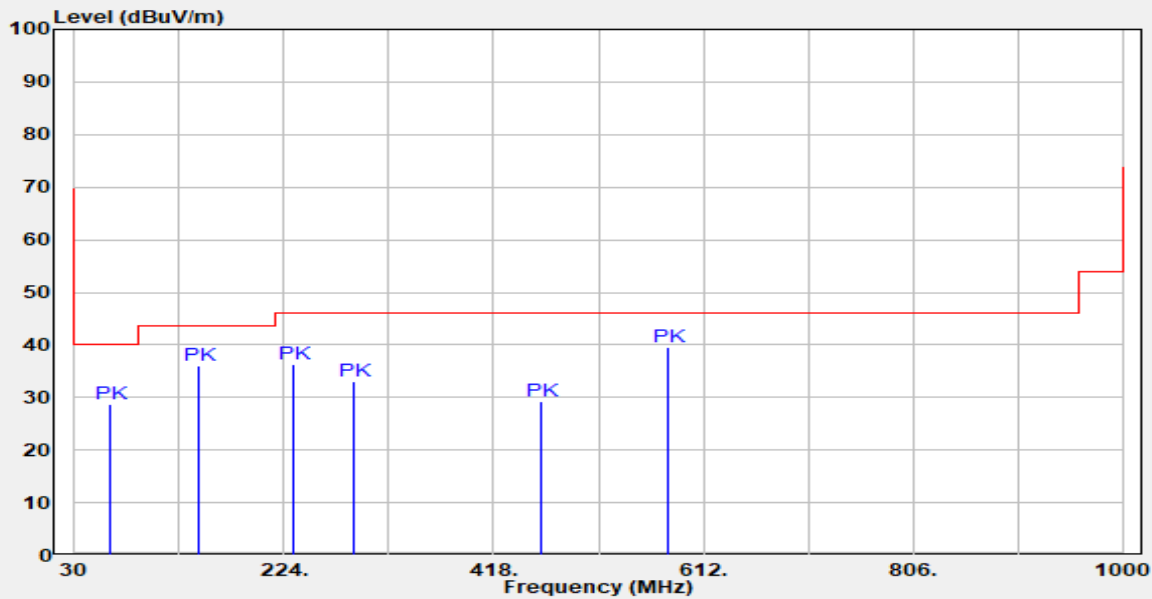
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
60.070	Peak	49.38	-12.94	36.44	40.00	-3.56
96.930	Peak	50.77	-17.75	33.03	43.50	-10.47
149.310	Peak	42.40	-12.52	29.88	43.50	-13.62
231.760	Peak	40.13	-15.01	25.13	46.00	-20.87
347.190	Peak	36.75	-10.63	26.11	46.00	-19.89
462.620	Peak	39.59	-7.30	32.29	46.00	-13.71

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :926.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
62.980	Peak	42.41	-13.60	28.81	40.00	-11.19
145.430	Peak	48.96	-12.81	36.16	43.50	-7.34
231.760	Peak	51.44	-15.01	36.43	46.00	-9.57
288.990	Peak	45.11	-11.96	33.16	46.00	-12.84
462.620	Peak	36.59	-7.30	29.29	46.00	-16.71
579.020	Peak	44.74	-5.08	39.66	46.00	-6.34

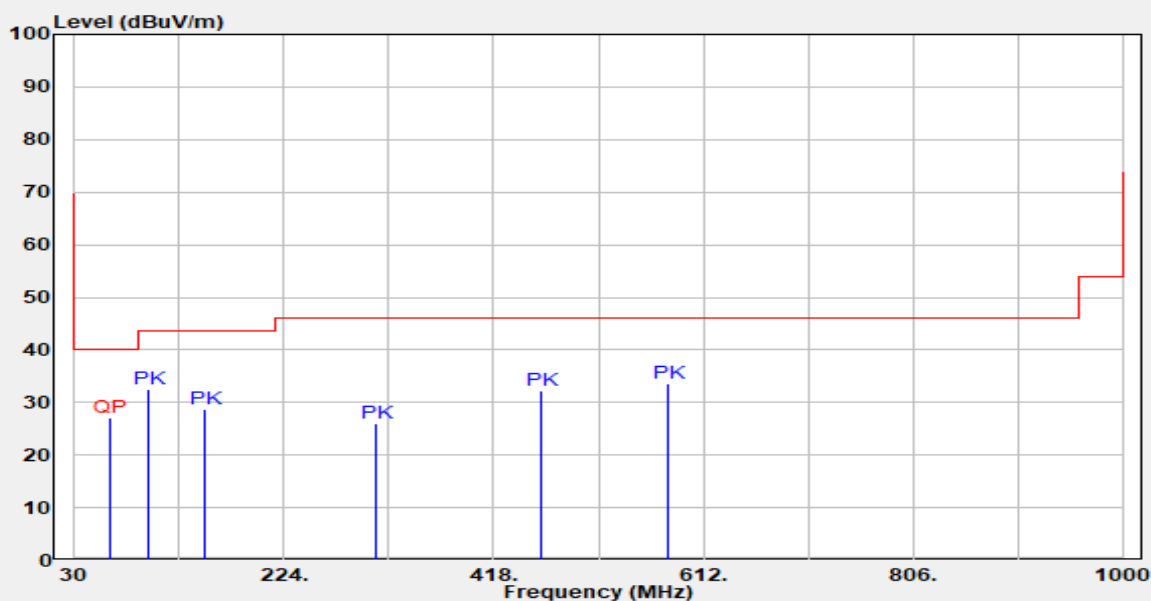
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :905 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
62.010	QP	40.62	-13.51	27.11	40.00	-12.89
98.870	Peak	50.05	-17.54	32.50	43.50	-11.00
151.250	Peak	41.16	-12.44	28.72	43.50	-14.78
308.390	Peak	37.44	-11.52	25.92	46.00	-20.08
462.620	Peak	39.50	-7.30	32.20	46.00	-13.80
579.020	Peak	38.73	-5.08	33.65	46.00	-12.35

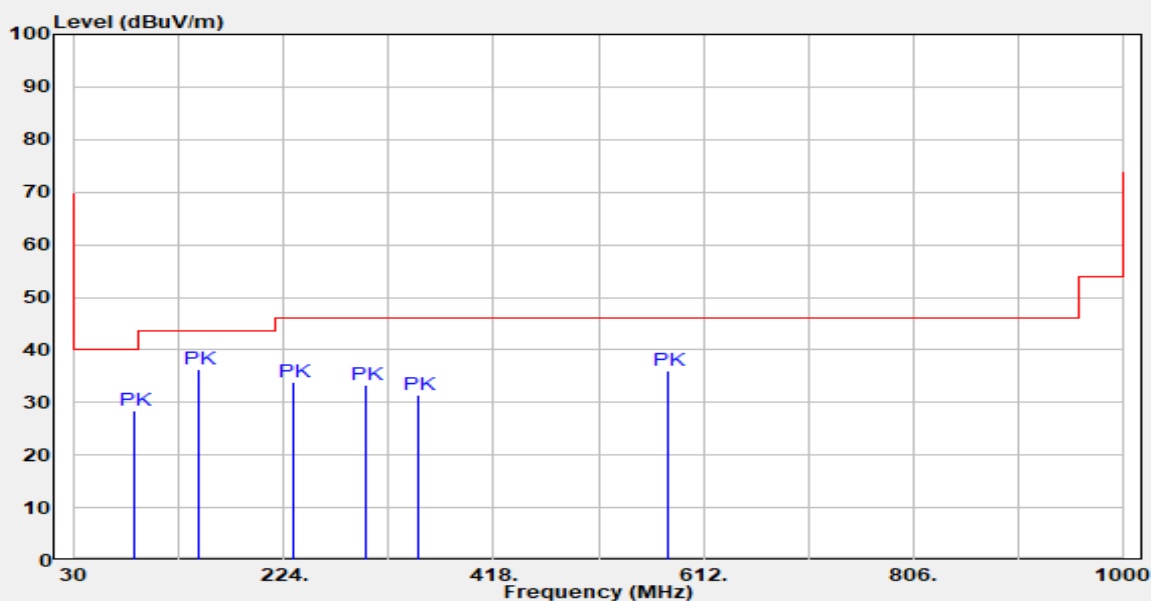
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :905 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
84.320	Peak	46.79	-18.37	28.42	40.00	-11.58
145.430	Peak	49.11	-12.81	36.30	43.50	-7.20
231.760	Peak	48.89	-15.01	33.89	46.00	-12.11
299.660	Peak	45.05	-11.81	33.24	46.00	-12.76
347.190	Peak	42.09	-10.63	31.45	46.00	-14.55
579.020	Peak	41.14	-5.08	36.06	46.00	-9.94

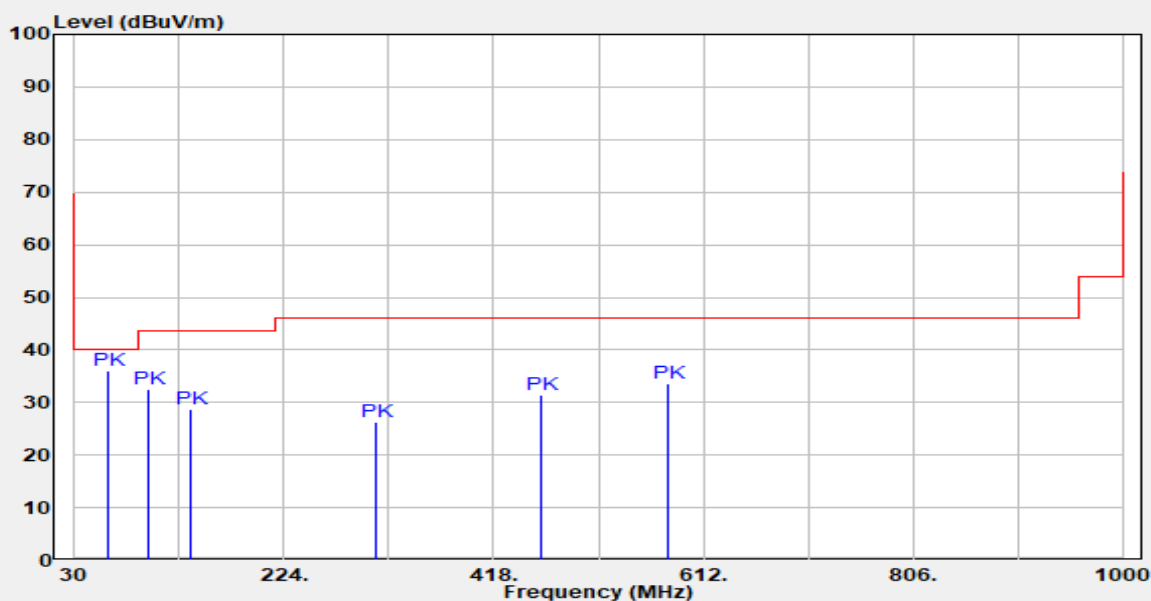
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :915 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
61.040	Peak	49.21	-13.23	35.98	40.00	-4.02
98.870	Peak	50.04	-17.54	32.49	43.50	-11.01
137.670	Peak	42.09	-13.33	28.76	43.50	-14.74
308.390	Peak	37.74	-11.52	26.22	46.00	-19.78
462.620	Peak	38.76	-7.30	31.46	46.00	-14.54
579.020	Peak	38.66	-5.08	33.58	46.00	-12.42

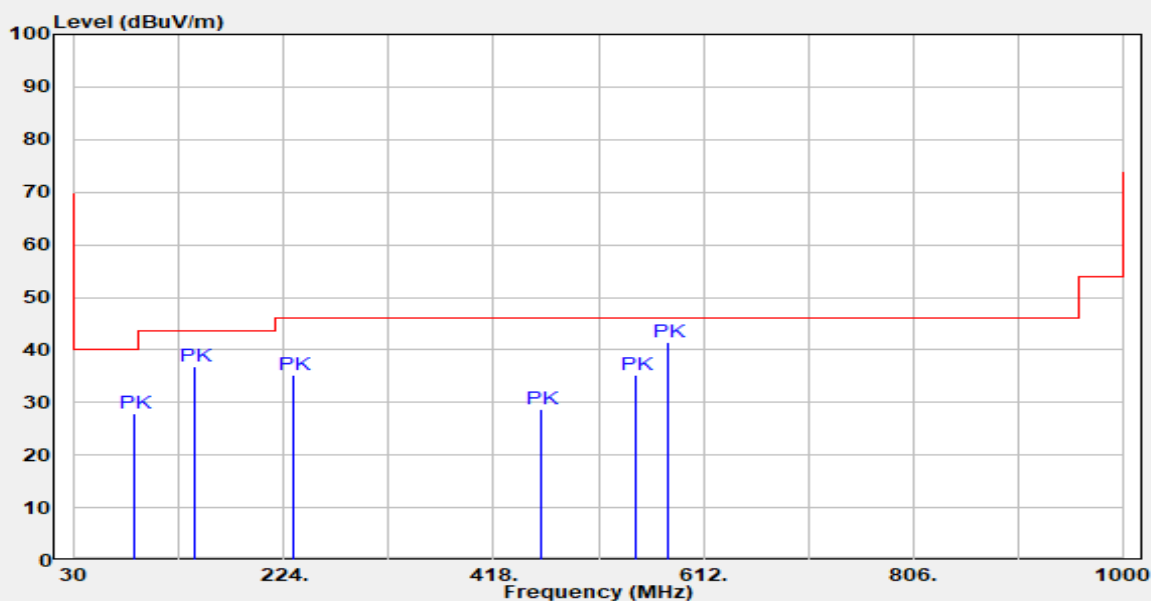
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :915 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
84.320	Peak	46.40	-18.37	28.03	40.00	-11.97
141.550	Peak	49.75	-12.97	36.78	43.50	-6.72
231.760	Peak	50.12	-15.01	35.11	46.00	-10.89
462.620	Peak	35.99	-7.30	28.69	46.00	-17.31
549.920	Peak	41.09	-5.91	35.18	46.00	-10.82
579.020	Peak	46.64	-5.08	41.56	46.00	-4.44

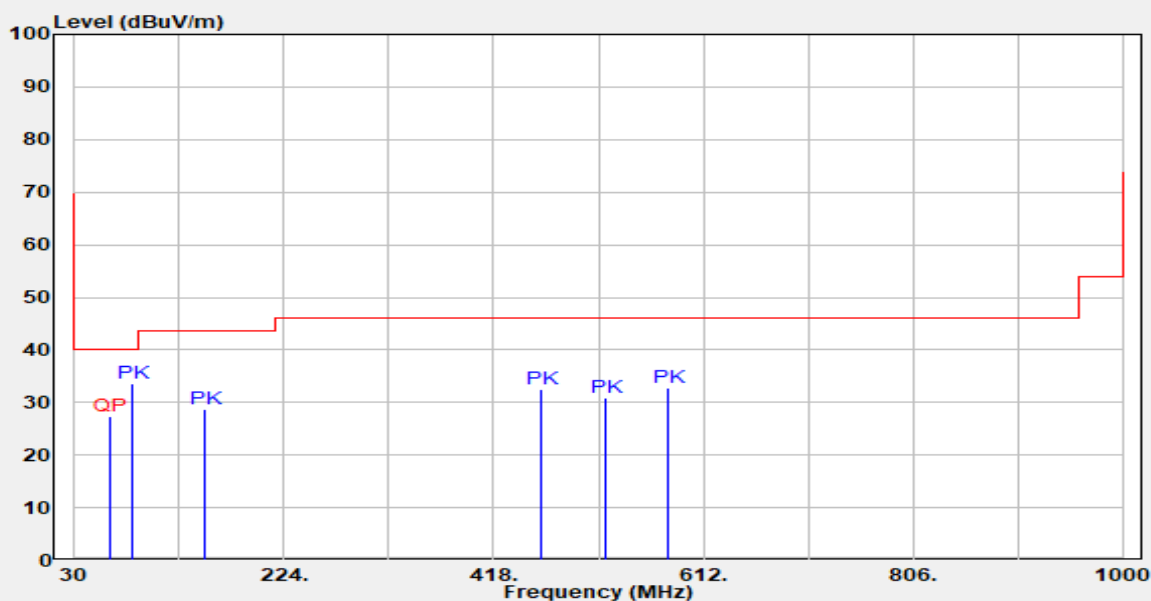
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Report Number :TERF2503001099ER
Operation Mode :HaLow 2M
Test Frequency :925 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-07-22
Temp./Humi. :24.2°C/62%
Antenna Pol. :Vertical
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
62.010	QP	40.79	-13.51	27.28	40.00	-12.72
83.350	Peak	51.67	-18.18	33.49	40.00	-6.51
151.250	Peak	41.26	-12.44	28.82	43.50	-14.68
462.620	Peak	39.75	-7.30	32.45	46.00	-13.55
520.820	Peak	37.38	-6.37	31.01	46.00	-14.99
579.020	Peak	37.77	-5.08	32.69	46.00	-13.31

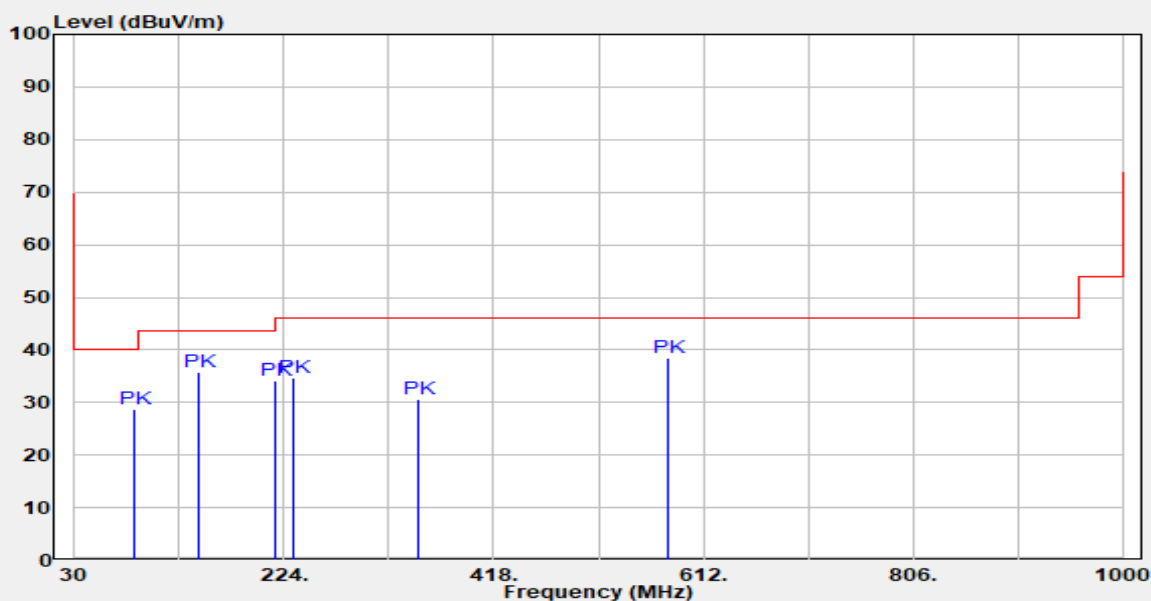
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 2M
 Test Frequency :925 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
84.320	Peak	47.05	-18.37	28.68	40.00	-11.32
145.430	Peak	48.56	-12.81	35.76	43.50	-7.74
216.240	Peak	49.75	-15.52	34.23	46.00	-11.77
231.760	Peak	49.59	-15.01	34.58	46.00	-11.42
347.190	Peak	41.28	-10.63	30.64	46.00	-15.36
579.020	Peak	43.50	-5.08	38.42	46.00	-7.58

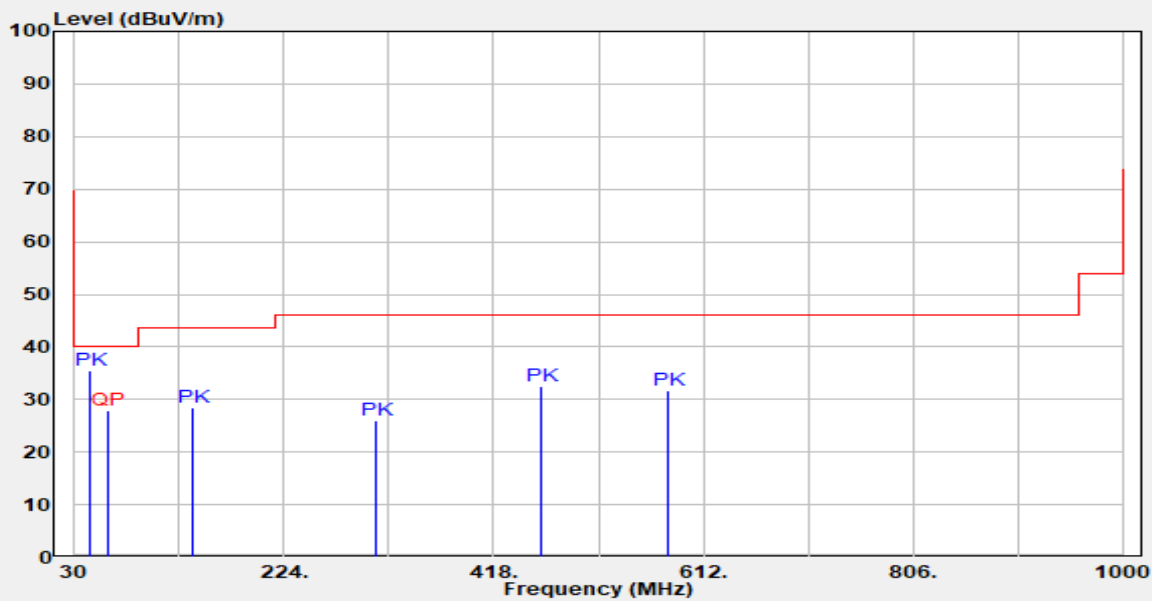
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :906 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



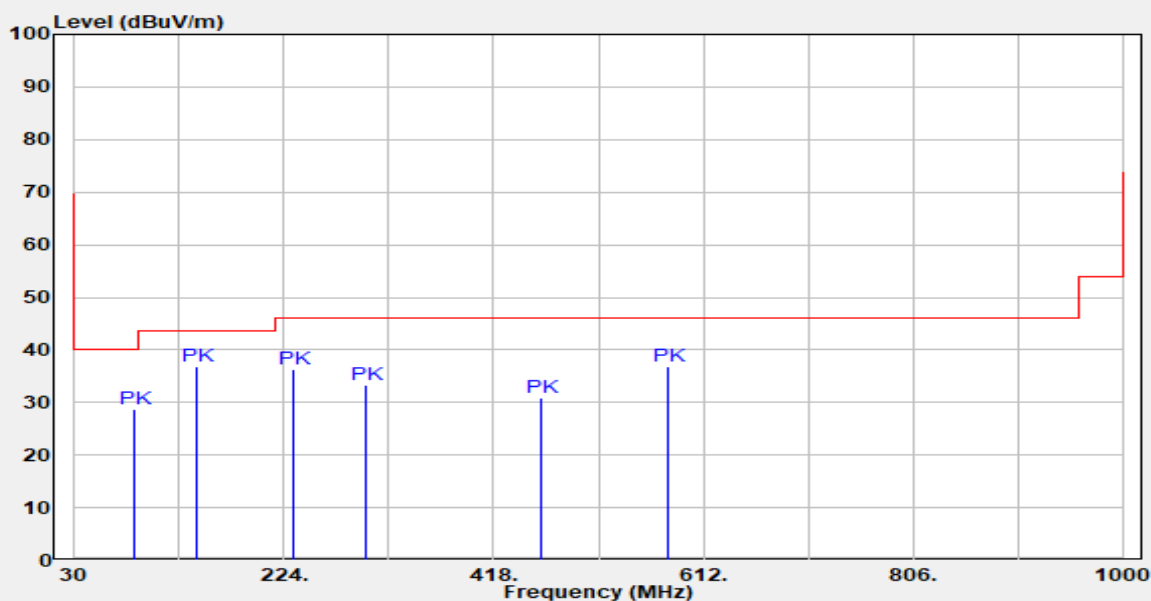
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
43.580	Peak	48.37	-12.80	35.56	40.00	-4.44
60.070	QP	40.95	-12.94	28.01	40.00	-11.99
139.610	Peak	41.44	-13.08	28.36	43.50	-15.14
308.390	Peak	37.55	-11.52	26.02	46.00	-19.98
462.620	Peak	39.77	-7.30	32.47	46.00	-13.53
579.020	Peak	36.92	-5.08	31.84	46.00	-14.16

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :906 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
84.320	Peak	47.15	-18.37	28.78	40.00	-11.22
142.520	Peak	49.79	-12.87	36.91	43.50	-6.59
231.760	Peak	51.41	-15.01	36.40	46.00	-9.60
299.660	Peak	45.04	-11.81	33.23	46.00	-12.77
462.620	Peak	38.16	-7.30	30.86	46.00	-15.14
579.020	Peak	41.81	-5.08	36.73	46.00	-9.27

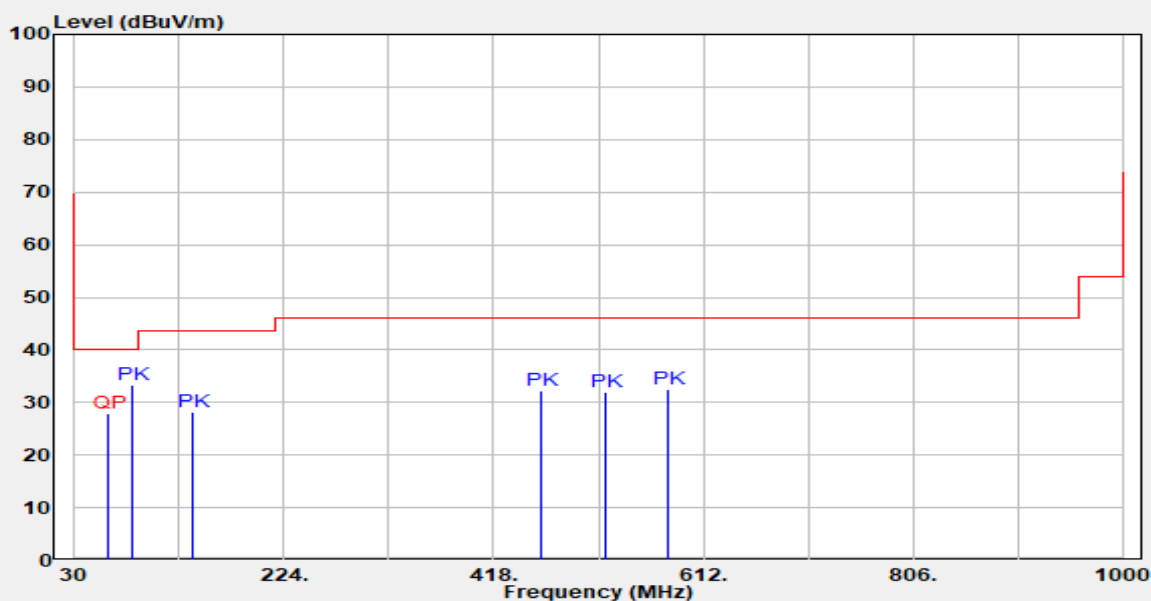
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :914 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
61.040	QP	41.10	-13.23	27.87	40.00	-12.13
83.350	Peak	51.50	-18.18	33.33	40.00	-6.67
139.610	Peak	41.31	-13.08	28.23	43.50	-15.27
462.620	Peak	39.53	-7.30	32.23	46.00	-13.77
520.820	Peak	38.46	-6.37	32.09	46.00	-13.91
579.020	Peak	37.46	-5.08	32.39	46.00	-13.61

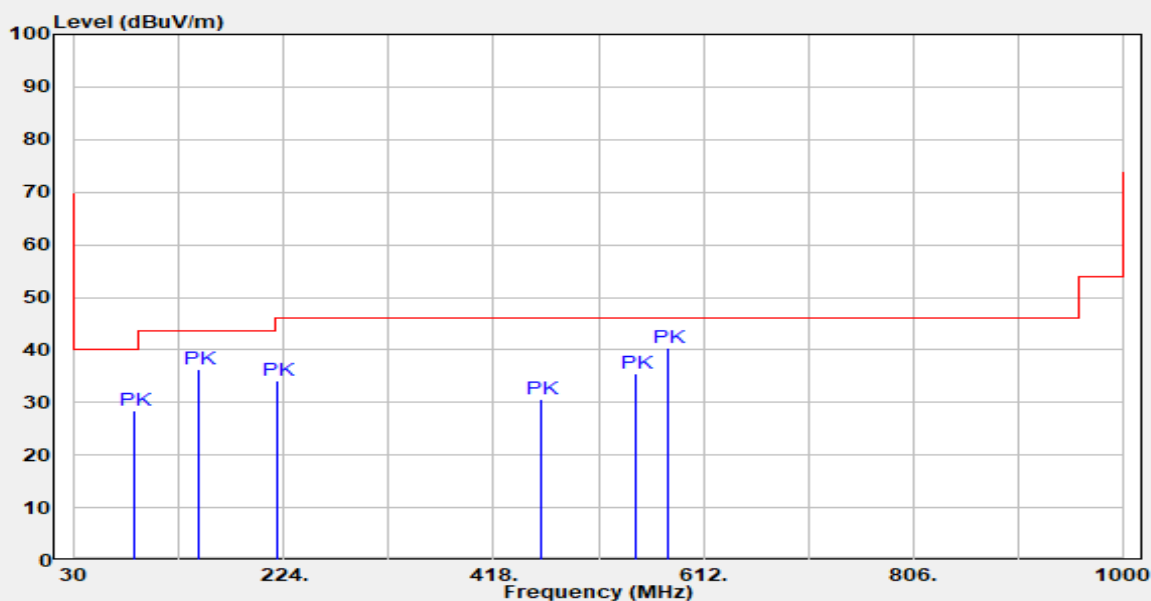
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :914 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
84.320	Peak	46.88	-18.37	28.51	40.00	-11.49
144.460	Peak	49.11	-12.71	36.40	43.50	-7.10
218.180	Peak	49.68	-15.56	34.13	46.00	-11.87
462.620	Peak	37.80	-7.30	30.50	46.00	-15.50
549.920	Peak	41.47	-5.91	35.56	46.00	-10.44
579.020	Peak	45.38	-5.08	40.30	46.00	-5.70

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

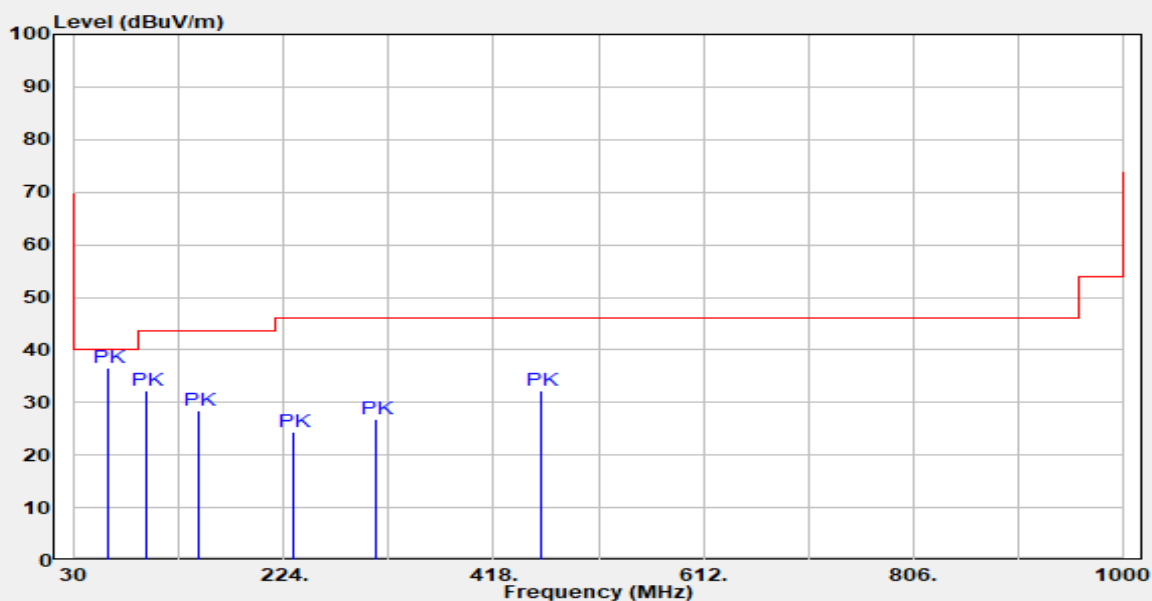
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :922 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



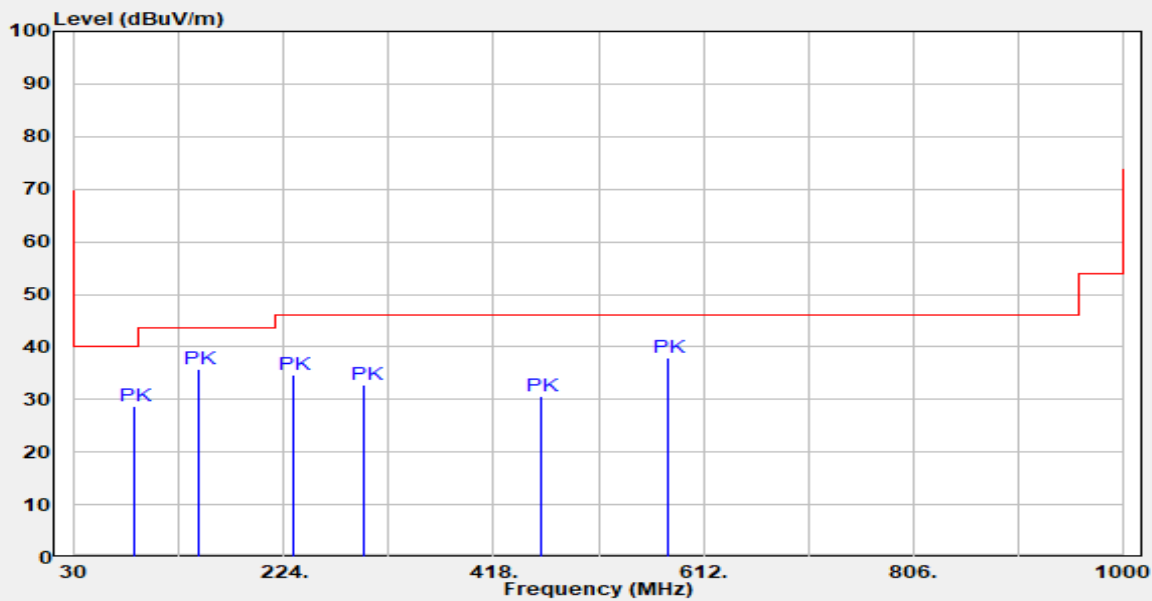
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
61.040	Peak	49.83	-13.23	36.61	40.00	-3.39
95.960	Peak	50.16	-17.95	32.20	43.50	-11.30
145.430	Peak	41.32	-12.81	28.52	43.50	-14.98
231.760	Peak	39.35	-15.01	24.34	46.00	-21.66
308.390	Peak	38.29	-11.52	26.76	46.00	-19.24
462.620	Peak	39.56	-7.30	32.26	46.00	-13.74

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 4M
 Test Frequency :922 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



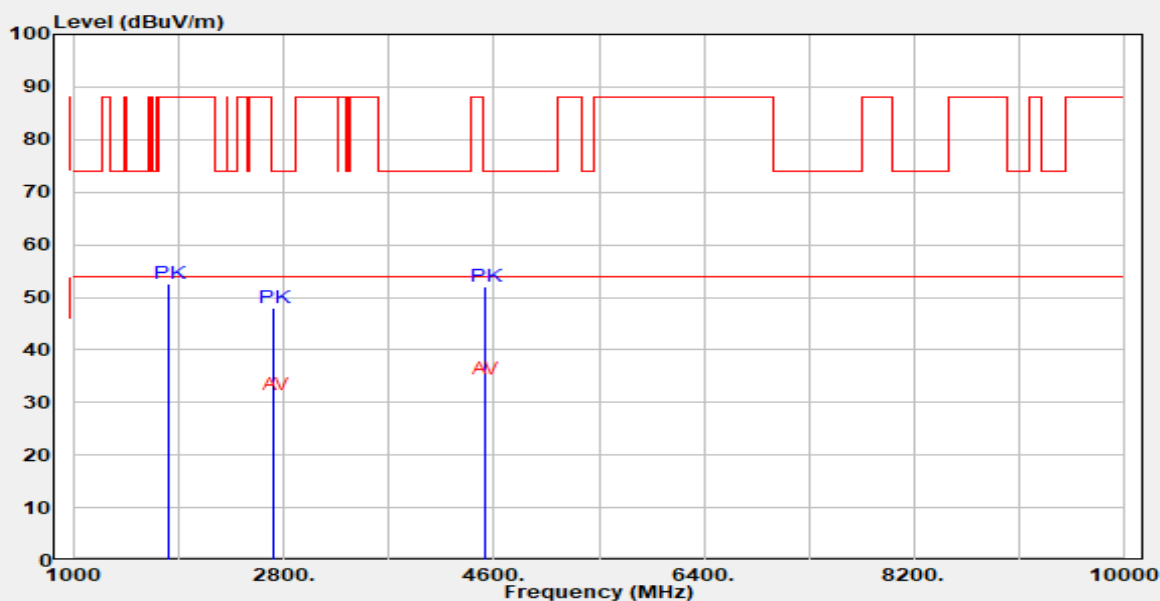
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
84.320	Peak	47.13	-18.37	28.76	40.00	-11.24
145.430	Peak	48.67	-12.81	35.86	43.50	-7.64
231.760	Peak	49.82	-15.01	34.81	46.00	-11.19
298.690	Peak	44.59	-11.83	32.76	46.00	-13.24
462.620	Peak	37.80	-7.30	30.51	46.00	-15.49
579.020	Peak	43.15	-5.08	38.07	46.00	-7.93

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :903.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1807.000	Peak	58.72	-6.17	52.55	88.10	-35.55
2710.500	Peak	51.62	-3.60	48.02	74.00	-25.98
2710.500	Average	35.09	-3.60	31.49	54.00	-22.51
4517.500	Peak	51.17	0.76	51.93	74.00	-22.07
4517.500	Average	33.53	0.76	34.29	54.00	-19.71

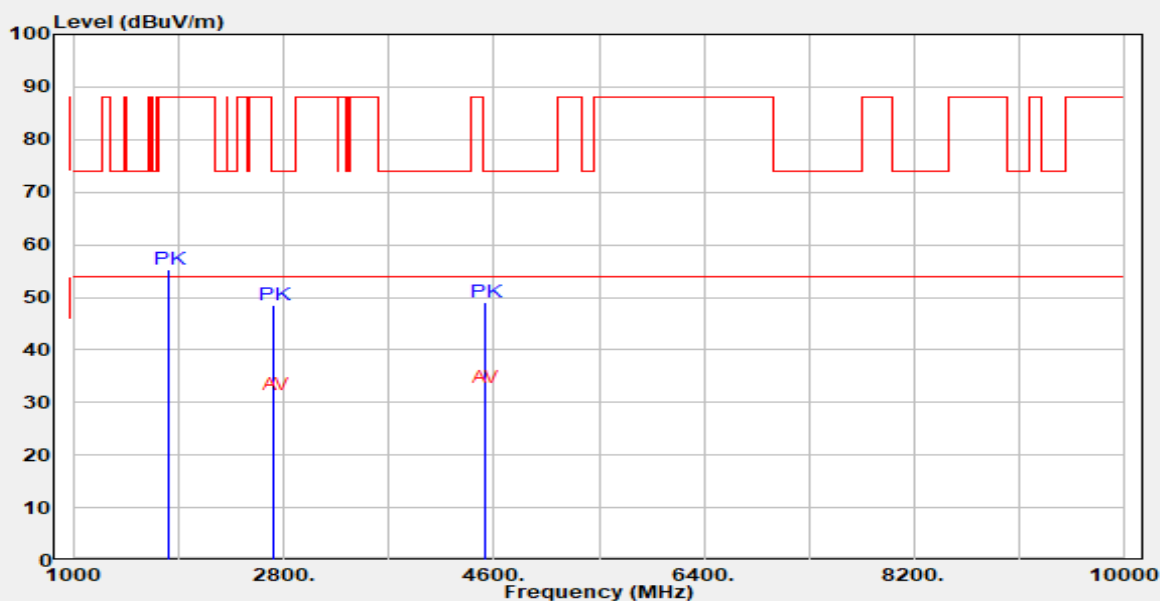
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Report Number :TERF2503001099ER
Operation Mode :HaLow 1M
Test Frequency :903.5 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-07-22
Temp./Humi. :24.2°C/62%
Antenna Pol. :Horizontal
Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1807.000	Peak	61.50	-6.17	55.33	88.10	-32.77
2710.500	Peak	51.98	-3.60	48.38	74.00	-25.62
2710.500	Average	34.95	-3.60	31.35	54.00	-22.65
4517.500	Peak	48.19	0.76	48.95	74.00	-25.05
4517.500	Average	32.14	0.76	32.90	54.00	-21.10

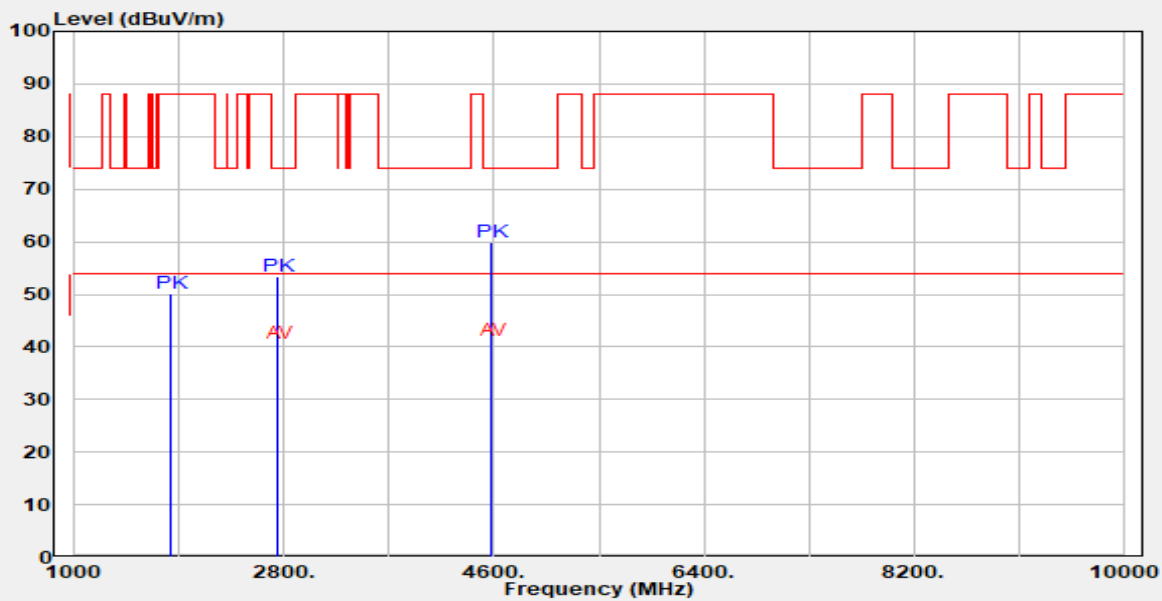
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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :915.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



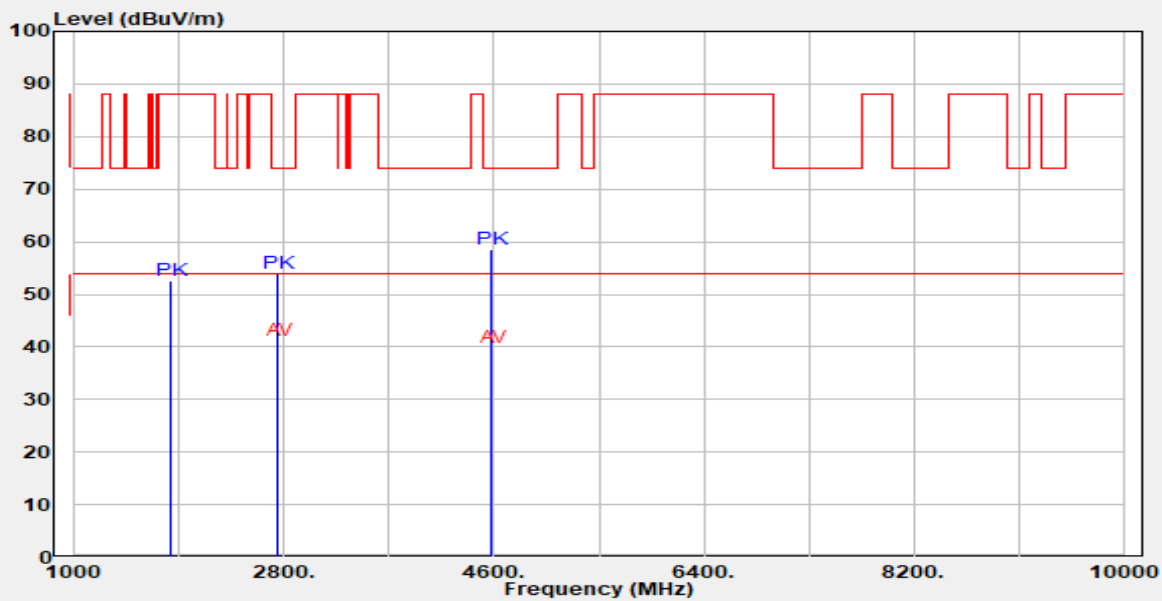
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1831.000	Peak	56.28	-6.12	50.16	88.10	-37.94
2746.500	Peak	56.74	-3.36	53.38	74.00	-20.62
2746.500	Average	43.97	-3.36	40.61	54.00	-13.39
4577.500	Peak	58.82	0.99	59.81	74.00	-14.19
4577.500	Average	40.31	0.99	41.30	54.00	-12.70

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :915.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



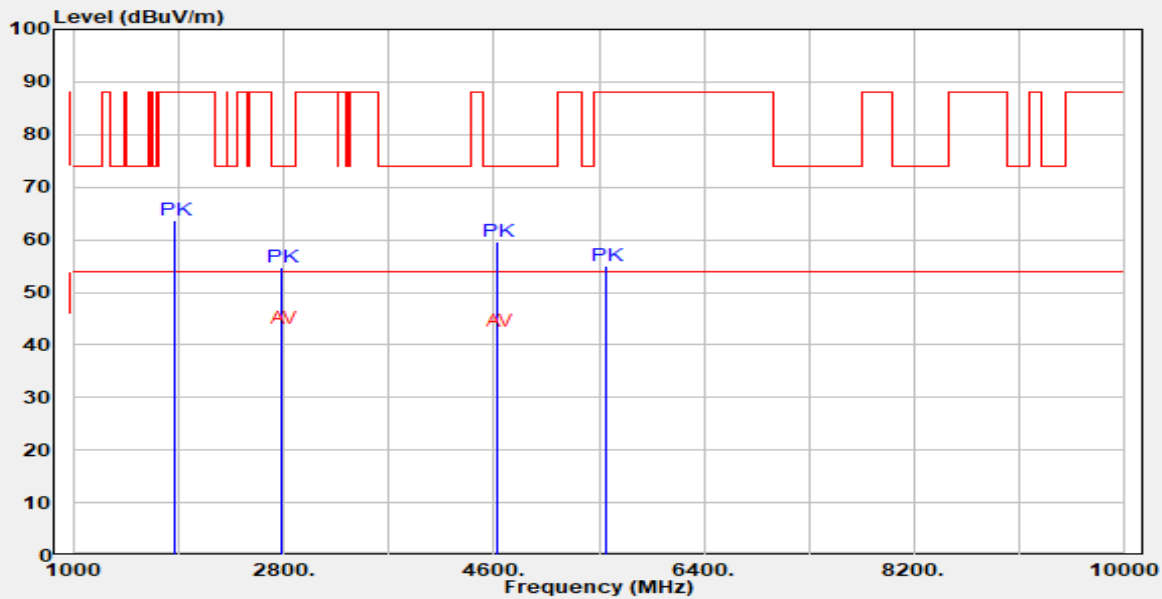
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1831.000	Peak	58.76	-6.12	52.64	88.10	-35.46
2746.500	Peak	57.27	-3.36	53.91	74.00	-20.09
2746.500	Average	44.51	-3.36	41.15	54.00	-12.85
4577.500	Peak	57.59	0.99	58.58	74.00	-15.42
4577.500	Average	38.86	0.99	39.85	54.00	-14.15

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Report Number :TERF2503001099ER
 Operation Mode :HaLow 1M
 Test Frequency :926.5 MHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 2
 Test Date :2025-07-22
 Temp./Humi. :24.2°C/62%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1853.000	Peak	69.64	-6.00	63.64	88.10	-24.46
2779.500	Peak	57.87	-3.11	54.76	74.00	-19.24
2779.500	Average	46.29	-3.11	43.18	54.00	-10.82
4632.500	Peak	58.59	1.10	59.69	74.00	-14.31
4632.500	Average	41.43	1.10	42.53	54.00	-11.47
5559.000	Peak	52.68	2.38	55.06	88.10	-33.04

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