

ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT

EUT Description Bridge
Applicant: Ring LLC
Manufacturer: Ring LLC
Brand Name: ring
Model No./ISED HVIN: 7RCEAB
ISED PMN: 7RCEAB
Report Number: TERF2508002546E2
FCC ID 2AEUP-7RCEAB
IC: 20271-7RCEAB
Date of EUT Received: August 8, 2025
Date of Test: August 8, 2025~August 13, 2025
Issue Date: August 15, 2025

**Approved By****Aken Huang****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
TERF2508002546E2	00	FCC / ISED C2PC for changed FEM	August 15, 2025	Yuri Tsai	

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、This is an addendum test report reference to the test report *TERF2501000108E2*.

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1 GENERAL INFORMATION

1.1 Product description

EUT Description	Bridge
Brand Name:	ring
Model No./ISED HVIN:	7RCEAB
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	No.1
Power Supply:	100-240V AC
Test Software (Name/Version)	Tera Term V4.106

1.2 RF Specification

Radio Technology:	LFR
Frequency Range:	902 – 928MHz
Channel number:	129 channels
Modulation type:	FSK
Dwell Time:	<= 0.4s
Operating Mode:	Point-to-Point
Antenna Designation:	PIFA Antenna, Peak Gain: 1dBi

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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1.3 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

1.4 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 In- dustrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1 SAC 2 SAC 3 Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6	TW0027 / 891563	TW3702
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C SAC C SAC D SAC G Conducted A Conducted B Conducted C Conducted D Conducted E Conducted F Conducted G	TW0028 / 200037	

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:	23.6	°C	Relative Humidity:	62	%
Test site	Conducted E		Test Start:	08/13/2025	
Test Engineer:	Henry Chiang		Test Done:	08/13/2025	

1.5 Special Accessories

There are no special accessories used while test was conducted.

1.6 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 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.

2.3.2 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.

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.

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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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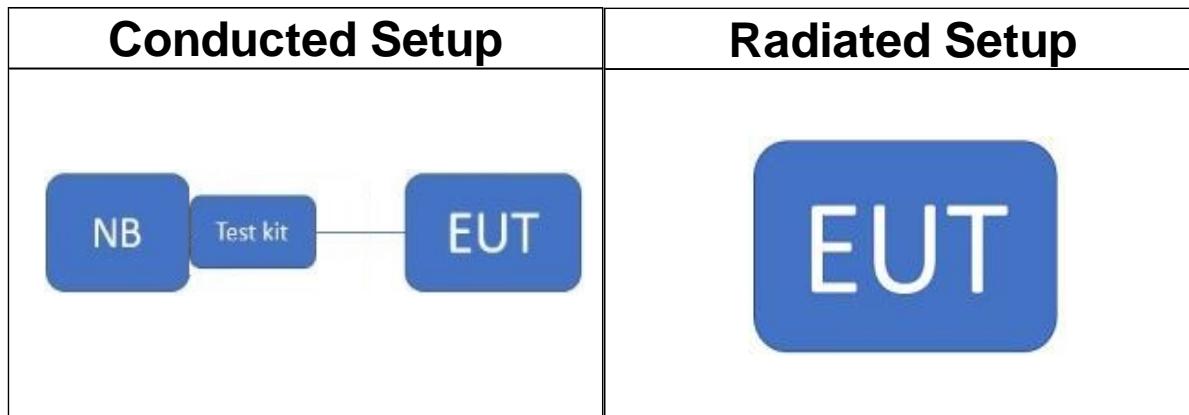
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2.5 Test Configuration



2.6 Control Unit(s)

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Test Kit	N/A	N/A	N/A	N/A	N/A
Notebook	HP	HSN-Q35C-4	P0004691	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§15.247(b)(2)	RSS-247 §6.2.2.2	Peak Output Power	Compliant
§15.205 §15.209 §15.247(d)	RSS-247 §6.6 RSS-Gen §8.9 RSS-Gen §8.10	Radiated Band Edge and Spurious Emission	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 Operating Frequencies

902~928 MHz

CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
1	902.2	21	906.2	41	910.2	61	914.2	81	918.2	101	922.2	121	926.2
2	902.4	22	906.4	42	910.4	62	914.4	82	918.4	102	922.4	122	926.4
3	902.6	23	906.6	43	910.6	63	914.6	83	918.6	103	922.6	123	926.6
4	902.8	24	906.8	44	910.8	64	914.8	84	918.8	104	922.8	124	926.8
5	903	25	907	45	911	65	915	85	919	105	923	125	927
6	903.2	26	907.2	46	911.2	66	915.2	86	919.2	106	923.2	126	927.2
7	903.4	27	907.4	47	911.4	67	915.4	87	919.4	107	923.4	127	927.4
8	903.6	28	907.6	48	911.6	68	915.6	88	919.6	108	923.6	128	927.6
9	903.8	29	907.8	49	911.8	69	915.8	89	919.8	109	923.8	129	927.8
10	904	30	908	50	912	70	916	90	920	110	924		
11	904.2	31	908.2	51	912.2	71	916.2	91	920.2	111	924.2		
12	904.4	32	908.4	52	912.4	72	916.4	92	920.4	112	924.4		
13	904.6	33	908.6	53	912.6	73	916.6	93	920.6	113	924.6		
14	904.8	34	908.8	54	912.8	74	916.8	94	920.8	114	924.8		
15	905	35	909	55	913	75	917	95	921	115	925		
16	905.2	36	909.2	56	913.2	76	917.2	96	921.2	116	925.2		
17	905.4	37	909.4	57	913.4	77	917.4	97	921.4	117	925.4		
18	905.6	38	909.6	58	913.6	78	917.6	98	921.6	118	925.6		
19	905.8	39	909.8	59	913.8	79	917.8	99	921.8	119	925.8		
20	906	40	910	60	914	80	918	100	922	120	926		

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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.

ANTNNA PORT CONDUCTED TEST			
MODE	AVAILABLE FREQUENCY	TESTED FREQUENCY	MODULATION
Peak Output Power			
FSK	902 to 928	902.2, 914.8, 927.8	FSK

TRANSMIT RADIATED EMISSION TEST			
MODE	FREQUENCY BAND (MHz)	TEST FREQUENCY (MHz)	MODULATION
FSK 50kbps	902.2 to 927.8	902.2, 914.8, 927.8	FSK

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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
Frequency Separation	+/-	1.48	Hz
Number of hopping frequency	+/-	1.48	Hz
Time of Occupancy	+/-	1.48	Hz
Temperature	+/-	0.6	°C
Humidity	+/-	3	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	1.89	dB
	+/-	4.1	dB
	+/-	3.37	dB
	+/-	3.83	dB
Polarization: Horizontal	+/-	1.89	dB
	+/-	4.1	dB
	+/-	3.37	dB
	+/-	3.83	dB
Radiated Spurious Emission	+/-	2	dB
	+/-	1.59	dB
	+/-	1.71	dB
	+/-	1.64	dB
	+/-	3.84	dB
9kHz~30MHz			
30MHz - 1000MHz			
1GHz - 18GHz			
18GHz - 40GHz			
9kHz~30MHz			
30MHz - 1000MHz			
1GHz - 18GHz			
18GHz - 40GHz			
33GHz-50GHz			
50GHz-60GHz			
60GHz-90GHz			
90GHz-140GHz			
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 E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Marvelous	MVE2213-10	RF06	11/14/2024	11/13/2025
DC Block	PASTERNACK	PE8210	RF157	11/14/2024	11/13/2025
Power Meter	Anritsu	ML2496A	2138002	08/28/2024	08/27/2025
Power Sensor	Anritsu	MA2411B	1911390	08/28/2024	08/27/2025
Power Sensor	Anritsu	MA2411B	1911398	08/28/2024	08/27/2025
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	04/02/2025	04/01/2026
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

6.2 Radiated Measurement

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/11/2024	12/10/2025
Attenuator	Woken	WATT-218FS-10	RF17	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+SUCAFLEX 104+16+EMC105-SM-SM-11000+EMC106-SM-SM-2300	W22.01+W21.01+150707+MY969/4+16+190825+150702	11/14/2024	11/13/2025
High Pass Filter	Titan Microwave	T04H30001800070S01	RF188	11/14/2024	11/13/2025
Horn Antenna	Schwarzbeck	BBHA9120D	1187	02/05/2025	02/04/2026
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/29/2025	05/28/2026
Horn Antenna	Schwarzbeck	BBHA9170	184	12/20/2024	12/19/2025
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

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

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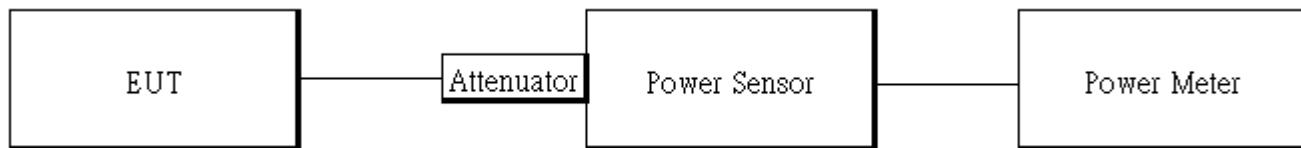
7 PEAK OUTPUT POWER MEASUREMENT

7.1 Standard Applicable

For frequency hopping systems operating in the 902-928 MHz band employing at least 50 hopping channels, conducted output power shall not exceed 1Watt and EIRP shall not exceed 4W.

For systems employing less than 50 hopping channels, conducted output power shall not exceed 0.25Watt and EIRP shall not exceed 1W.

7.2 Test Setup



7.3 Measurement Procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows ANSI C63.10.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter or spectrum. (Max Hold, Detector = Peak, RBW >=20dB bandwidth)
4. Record the max. reading.
5. Repeat above procedures until all default test channel is completed.

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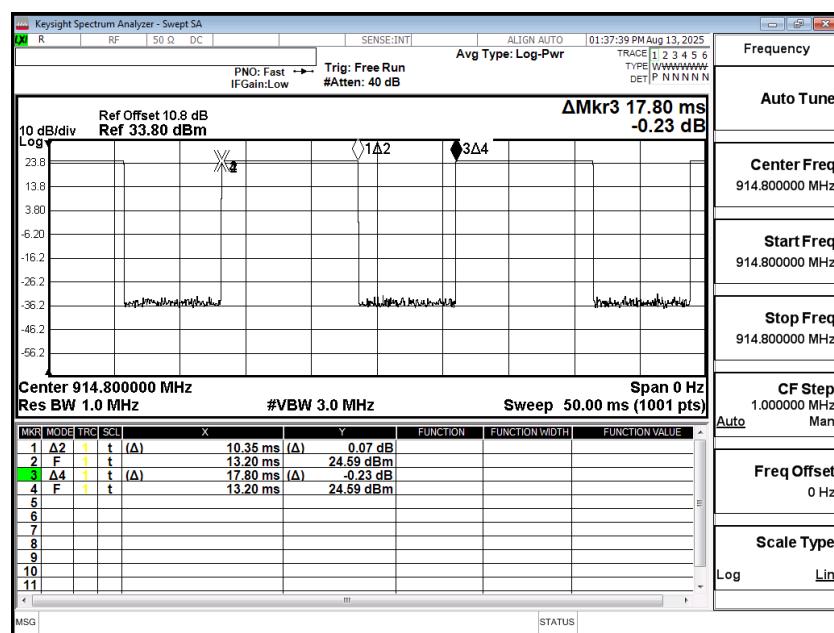
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7.4 Measurement Result

7.4.1 Duty Cycle

Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
FSK	58.15	2.35	0.10	1.00



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7.4.2 Output Power

FSK 50Kbps mode (Peak):

Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
902.2	4	24.72	296.483	1000
914.8	4	24.55	285.102	1000
927.8	4	24.37	273.527	1000

FSK 50Kbps mode (Average):

Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
902.2	4	24.02	252.627	1000
914.8	4	23.84	242.370	1000
927.8	4	23.62	230.399	1000

*Note: Avg. output power has been calculated with duty factor.

7.4.3 EIRP

FSK 50Kbps mode EIRP

Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	Limit (mW)
902.2	4	24.02	1.00	318.038	4000
914.8	4	23.84	1.00	305.126	4000
927.8	4	23.62	1.00	290.055	4000

* Note: EIRP = Average Power + Gain

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8 SPURIOUS RADIATED EMISSION TEST

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 limit as below.

And according to §15.33(a) (1), 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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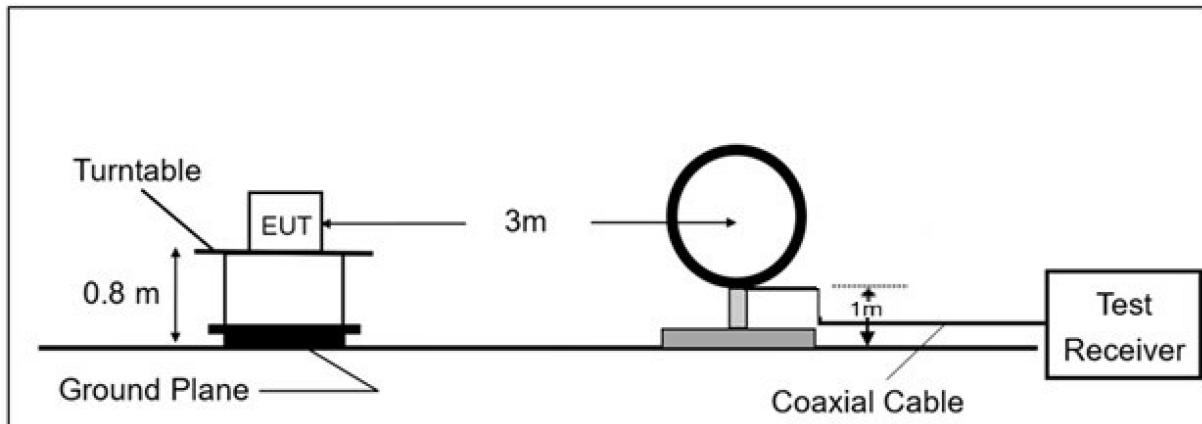
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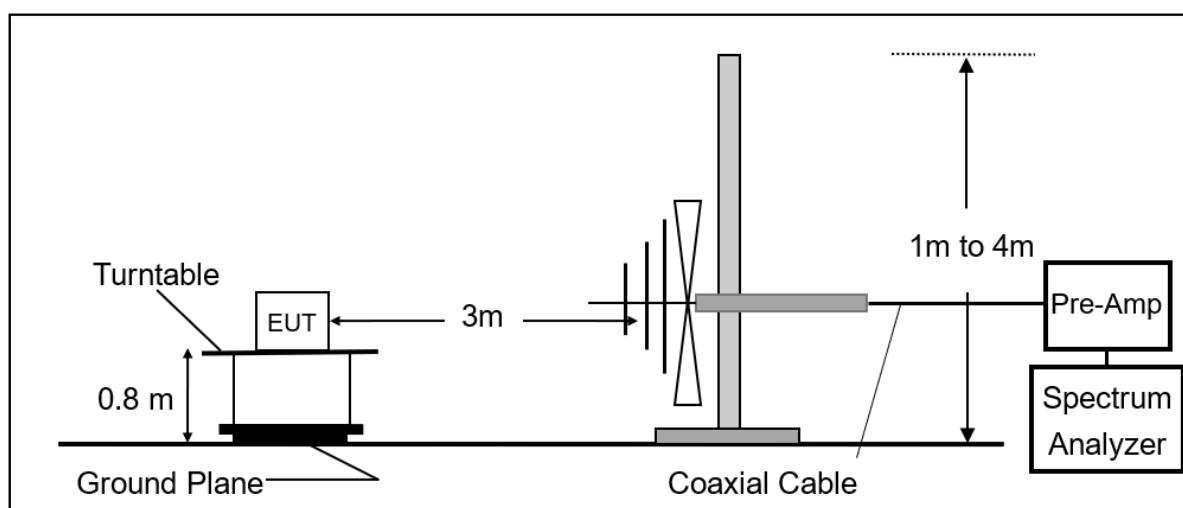
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8.2 Test Setup

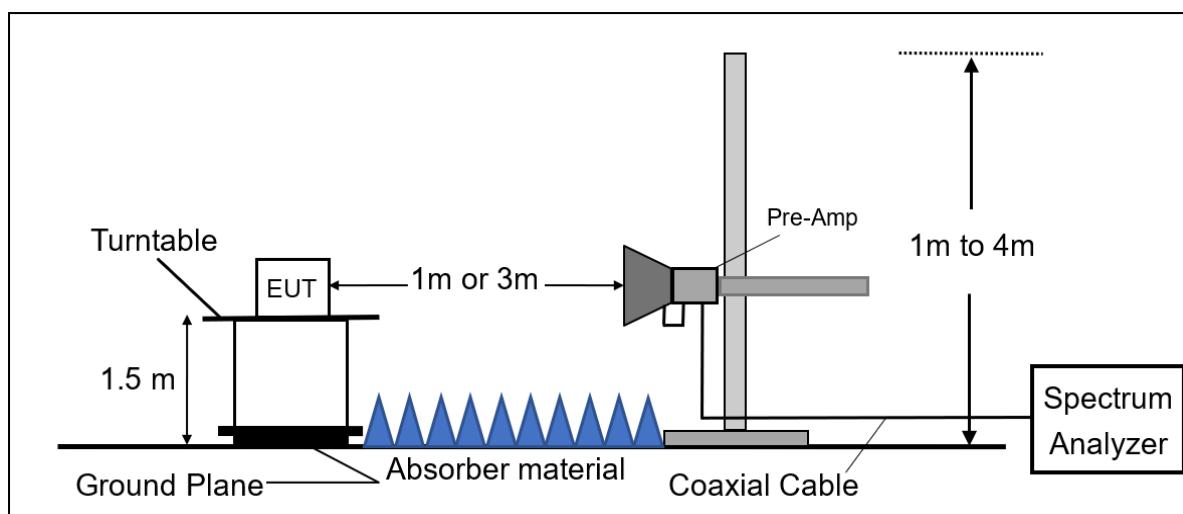
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(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 ANSI C63.10:2020.
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. According to C63.10:2020 Section 7.5 Procedure for determining the average value of pulsed emissions with duty cycle correction factor $20 \log (T_{on}/100ms)$.
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.
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	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude		AG = Amplifier Gain
AF = Antenna Factor		

The limit of the emission level is expressed in dB μ V/m, which converts $20 \times \log(\mu\text{V}/\text{m})$

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

Factor(dB) = Antenna Factor(dB/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.

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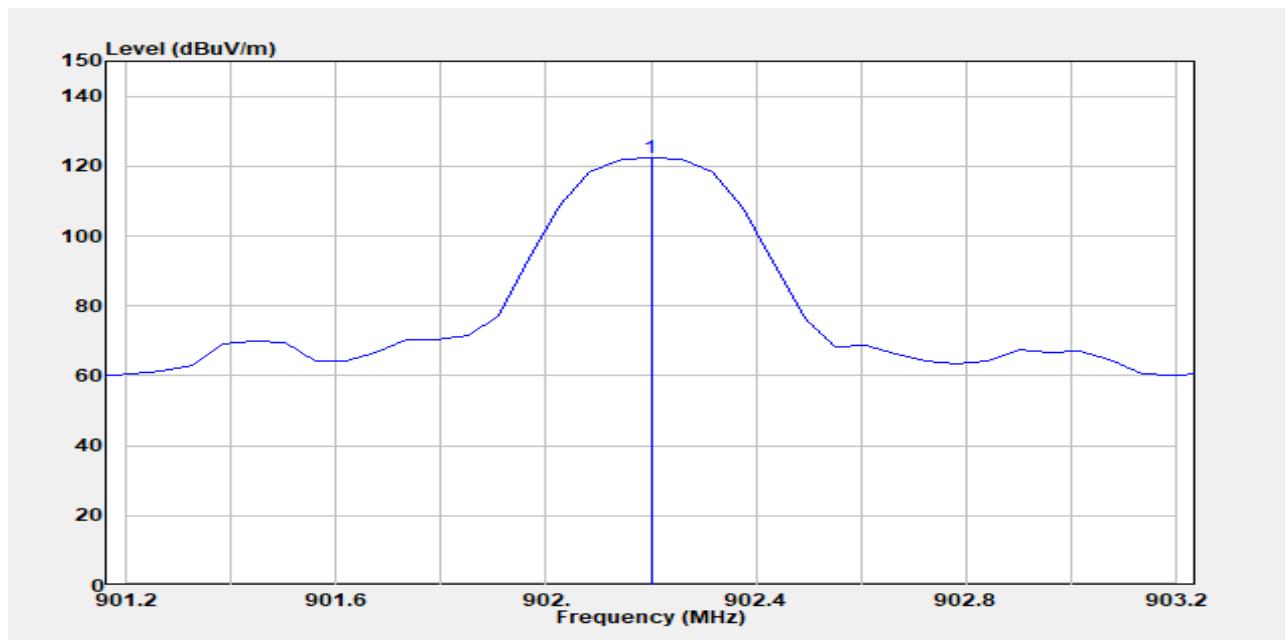
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8.6 Measurement Result:

8.6.1 Main Result

Report Number	:TERF2508002546E2	Test Site	:SAC D
Operation Mode	:FSK 50kbps	Test Date	:2025-08-12
Test Frequency	:902.2 MHz	Temp./Humi.	:24.3°C/58%
Test Mode	:Main	Antenna Pol.	:Vertical
EUT Pol	:E1 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
902.20	Peak	127.56	-5.31	122.25	-	-

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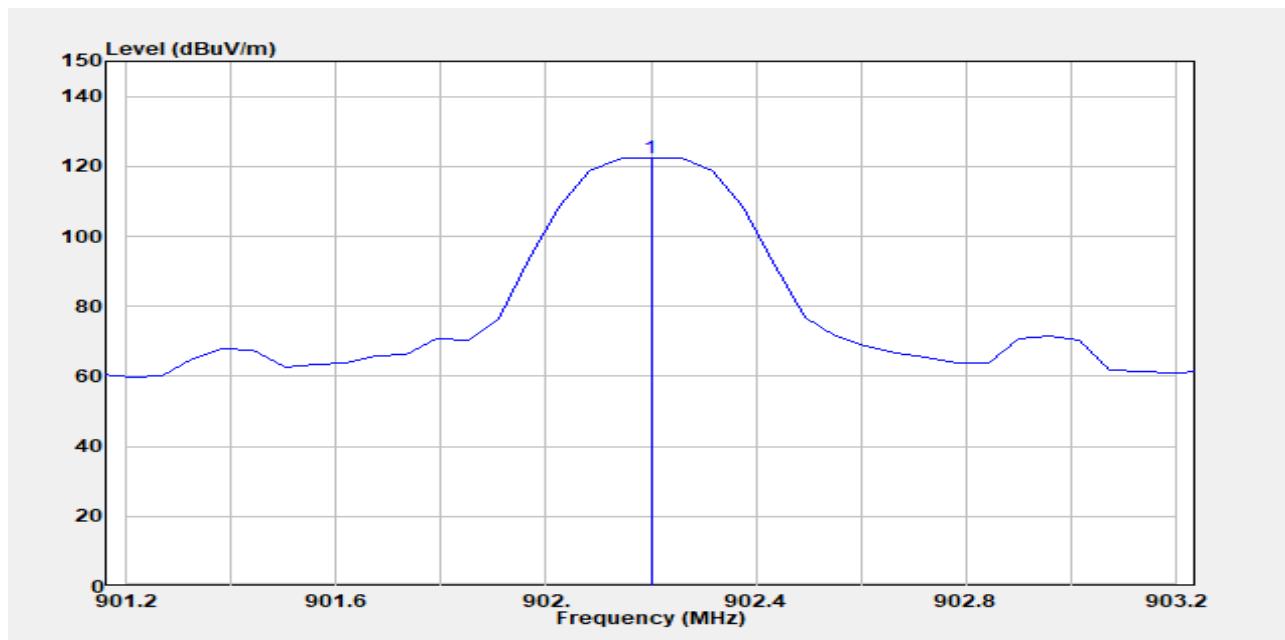
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f (886-2) 2298-0488

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Report Number :TERF2508002546E2
Operation Mode :FSK 50kbps
Test Frequency :902.2 MHz
Test Mode :Main
EUT Pol :E1 Plane
Test Site :SAC D
Test Date :2025-08-11
Temp./Humi. :24.3°C/58%
Antenna Pol. :Horizontal
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
902.20	Peak	127.69	-5.31	122.38	-	-

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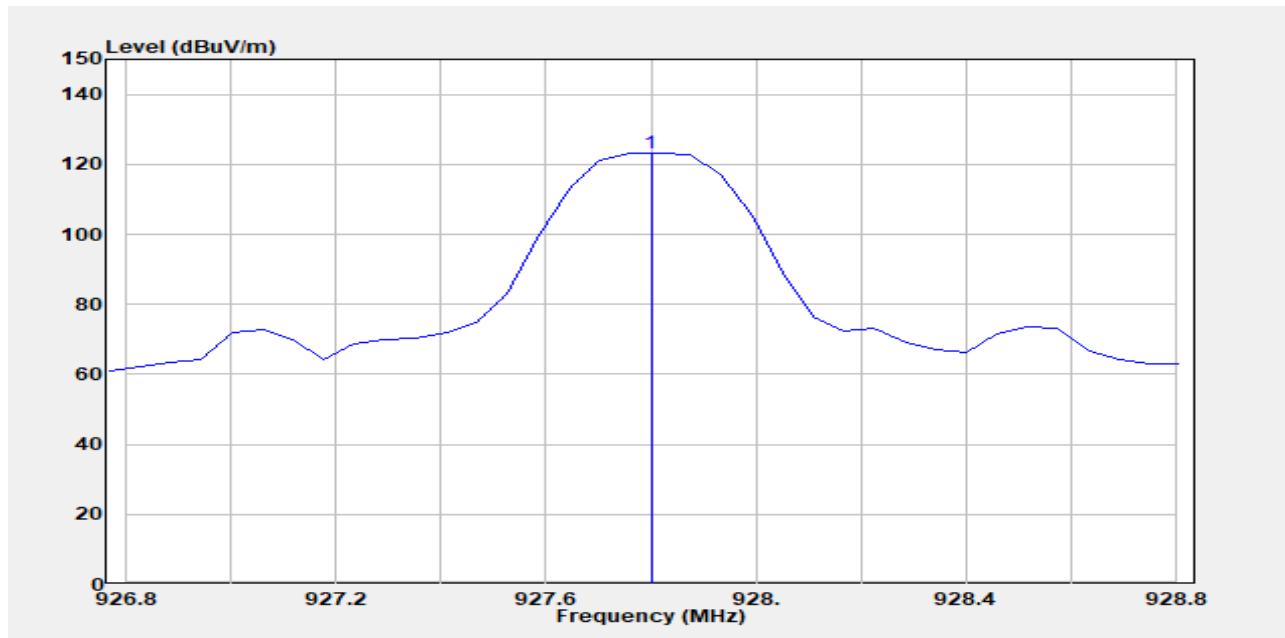
t (886-2) 2299-3279

f (886-2) 2298-0488

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Report Number :TERF2508002546E2
Operation Mode :FSK 50kbps
Test Frequency :927.8 MHz
Test Mode :Main
EUT Pol :E1 Plane
Test Site :SAC D
Test Date :2025-08-11
Temp./Humi. :24.3°C/58%
Antenna Pol. :Vertical
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
927.80	Peak	128.09	-4.77	123.32	-	-

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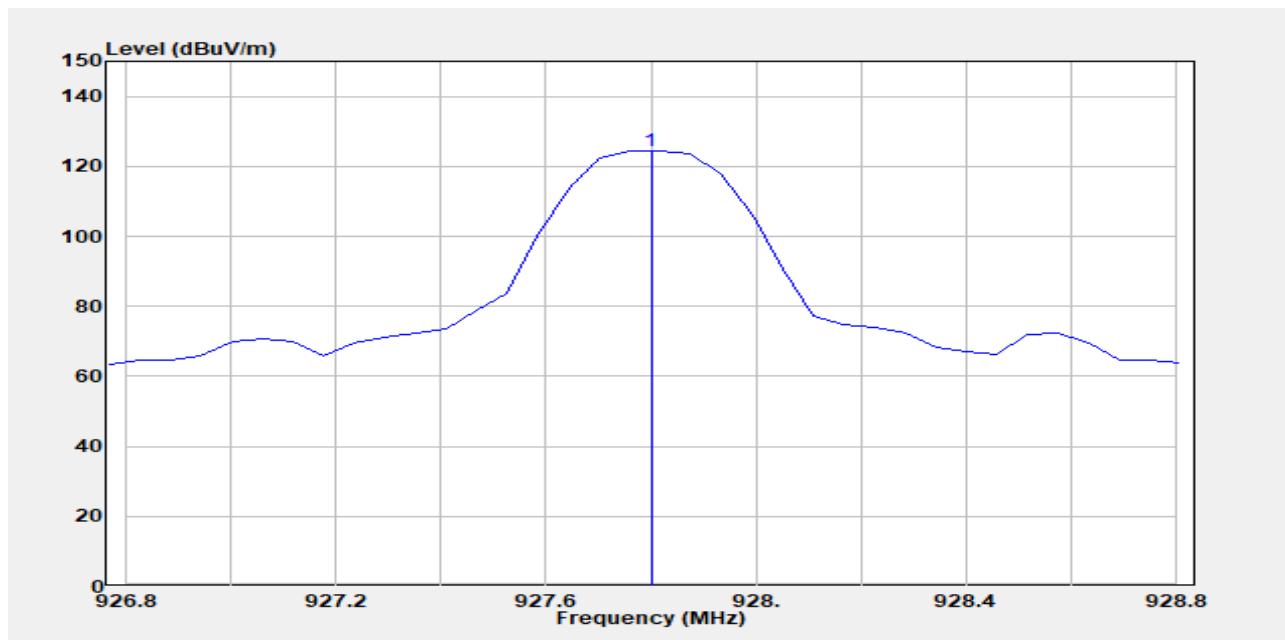
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Report Number :TERF2508002546E2
Operation Mode :FSK 50kbps
Test Frequency :927.8 MHz
Test Mode :Main
EUT Pol :E1 Plane

Test Site :SAC D
Test Date :2025-08-11
Temp./Humi. :24.3°C/58%
Antenna Pol. :Horizontal
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
927.80	Peak	129.11	-4.77	124.34	-	-

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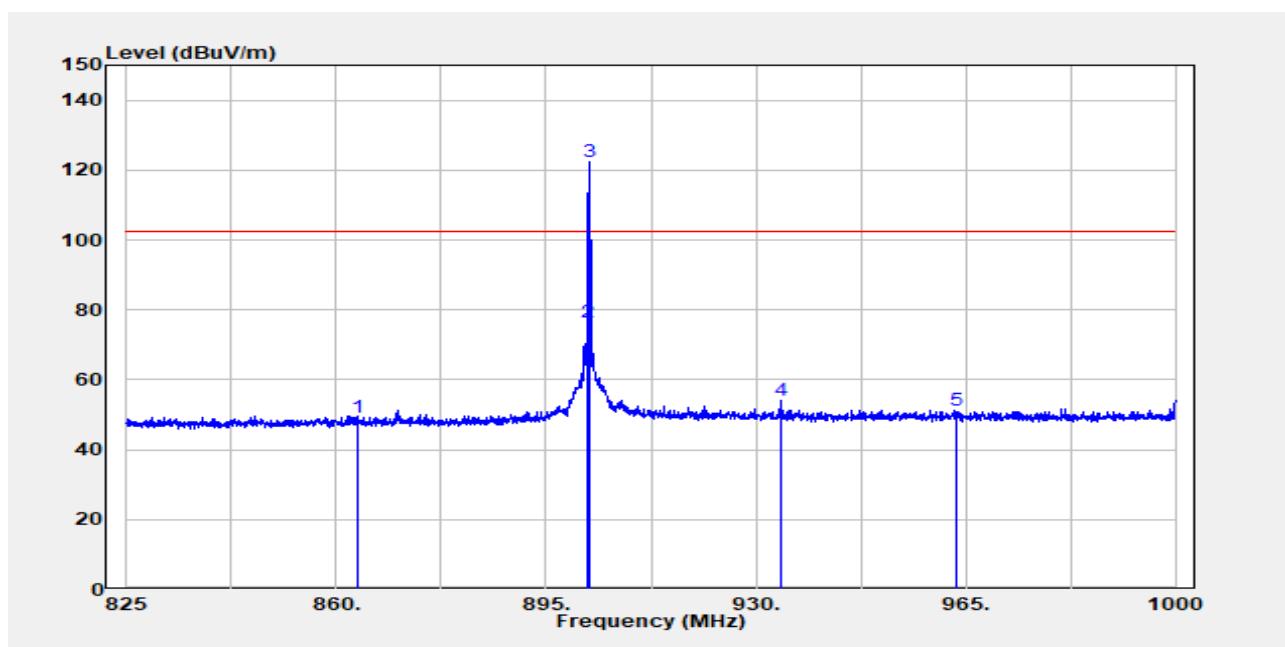
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8.6.2 Bandedge Result

Report Number	:TERF2508002546E2	Test Site	:SAC D
Operation Mode	:FSK 50kbps	Test Date	:2025-08-12
Test Frequency	:902.2 MHz	Temp./Humi.	:24.3°C/58%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E1 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
863.51	Peak	55.07	-5.93	49.14	102.25	-53.11
902.03	Peak	81.63	-5.31	76.32	102.25	-25.93
902.20	Peak	127.56	-5.31	122.25	-	-
934.24	Peak	58.53	-4.62	53.91	102.25	-48.34
963.47	Peak	55.54	-4.23	51.31	102.25	-50.94

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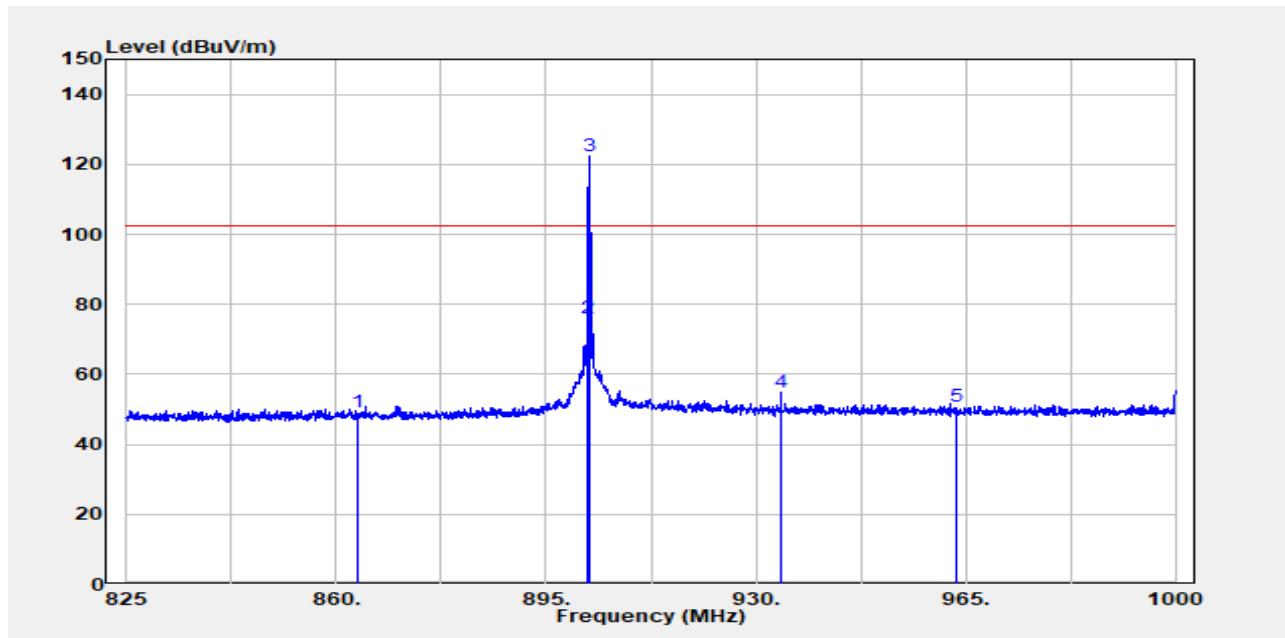
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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-12
Test Frequency :902.2 MHz Temp./Humi. :24.3°C/58%
Test Mode :Bandedge Antenna Pol. :Horizontal
EUT Pol :E1 Plane Engineer :Temo Chen



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
863.51	Peak	54.97	-5.93	49.04	102.38	-53.34
902.03	Peak	81.27	-5.31	75.96	102.38	-26.42
902.20	Peak	127.69	-5.31	122.38	-	-
934.18	Peak	59.35	-4.62	54.73	102.38	-47.65
963.47	Peak	55.06	-4.23	50.83	102.38	-51.55

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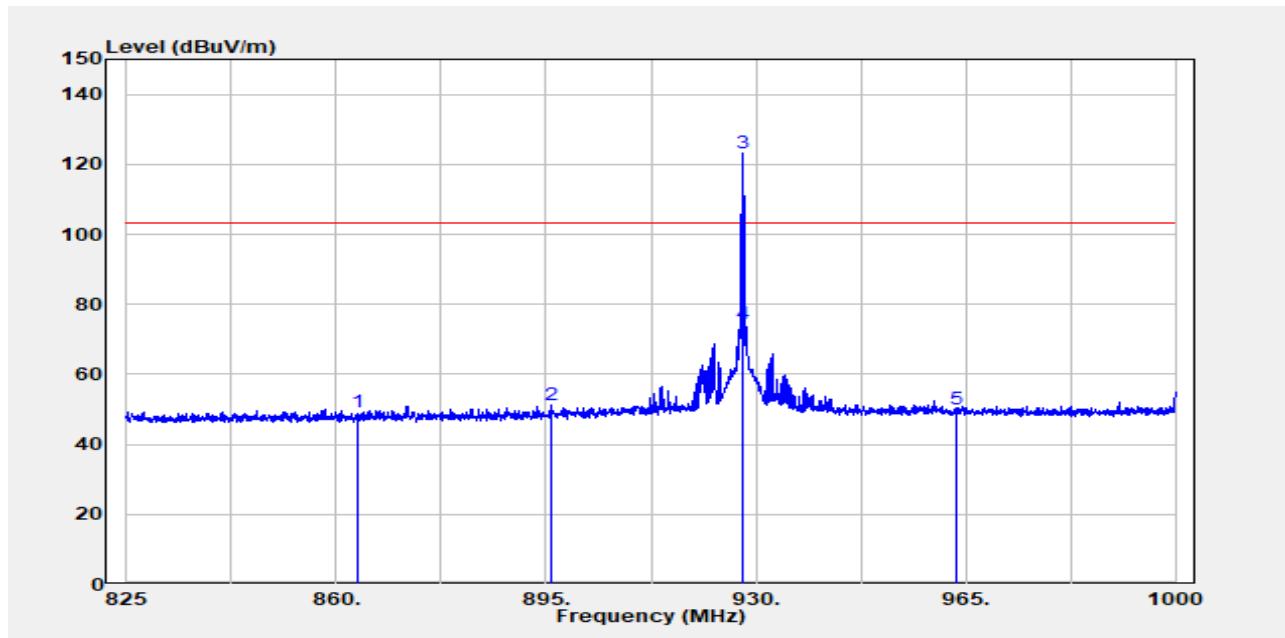
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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-12
Test Frequency :927.8 MHz Temp./Humi. :24.3°C/58%
Test Mode :Bandedge Antenna Pol. :Vertical
EUT Pol :E1 Plane Engineer :Temo Chen



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
863.51	Peak	55.06	-5.93	49.13	103.32	-54.19
895.78	Peak	56.68	-5.47	51.21	103.32	-52.11
927.80	Peak	128.09	-4.77	123.32	-	-
927.93	Peak	79.15	-4.77	74.38	103.32	-28.94
963.47	Peak	54.21	-4.23	49.98	103.32	-53.34

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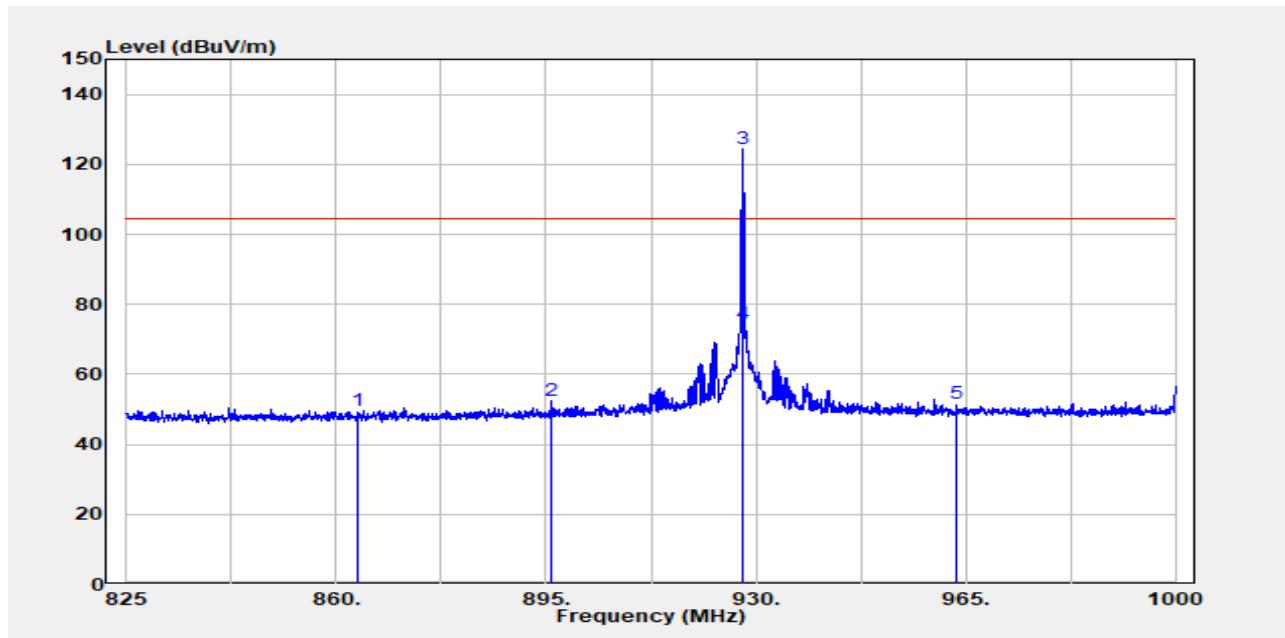
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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-12
Test Frequency :927.8 MHz Temp./Humi. :24.3°C/58%
Test Mode :Bandedge Antenna Pol. :Horizontal
EUT Pol :E1 Plane Engineer :Temo Chen



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
863.51	Peak	55.53	-5.93	49.60	104.34	-54.74
895.78	Peak	57.75	-5.47	52.28	104.34	-52.06
927.80	Peak	129.11	-4.77	124.34	-	-
927.93	Peak	79.13	-4.77	74.36	104.34	-29.98
963.47	Peak	55.79	-4.23	51.56	104.34	-52.78

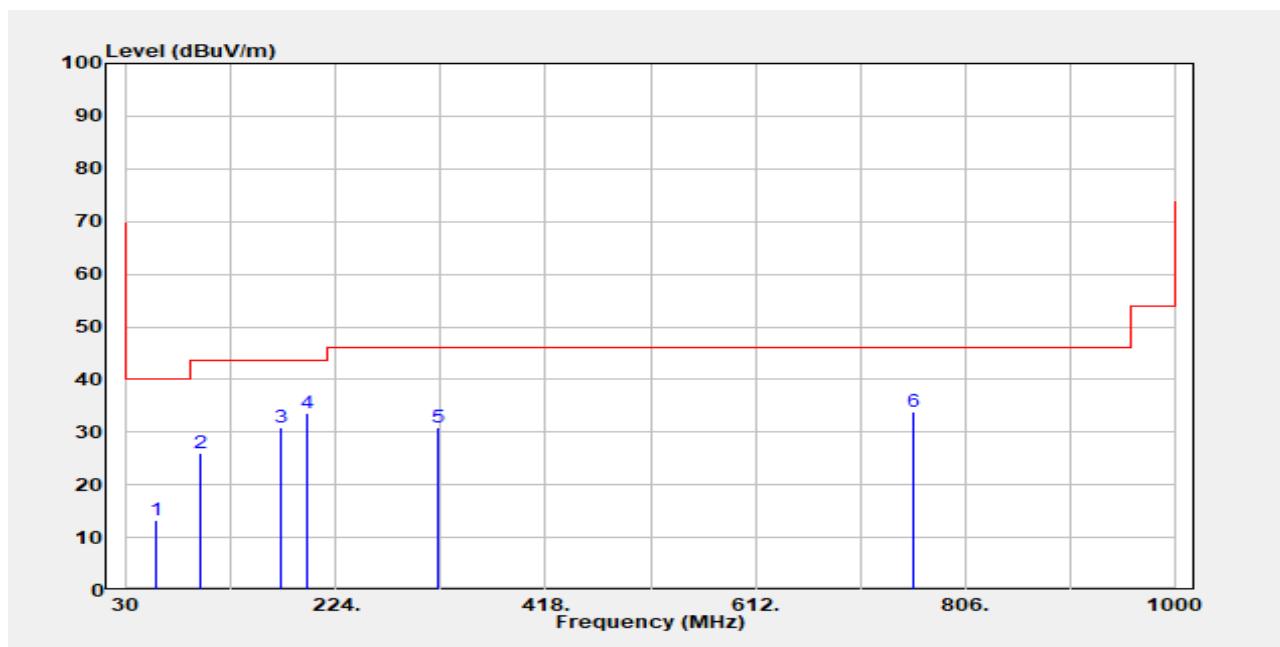
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8.6.3 Radiated Spurious Emission

Report Number	:TERF2508002546E2	Test Site	:SAC D
Operation Mode	:FSK 50kbps	Test Date	:2025-08-11
Test Frequency	:914.8 MHz	Temp./Humi.	:24.3°C/58%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Temo Chen



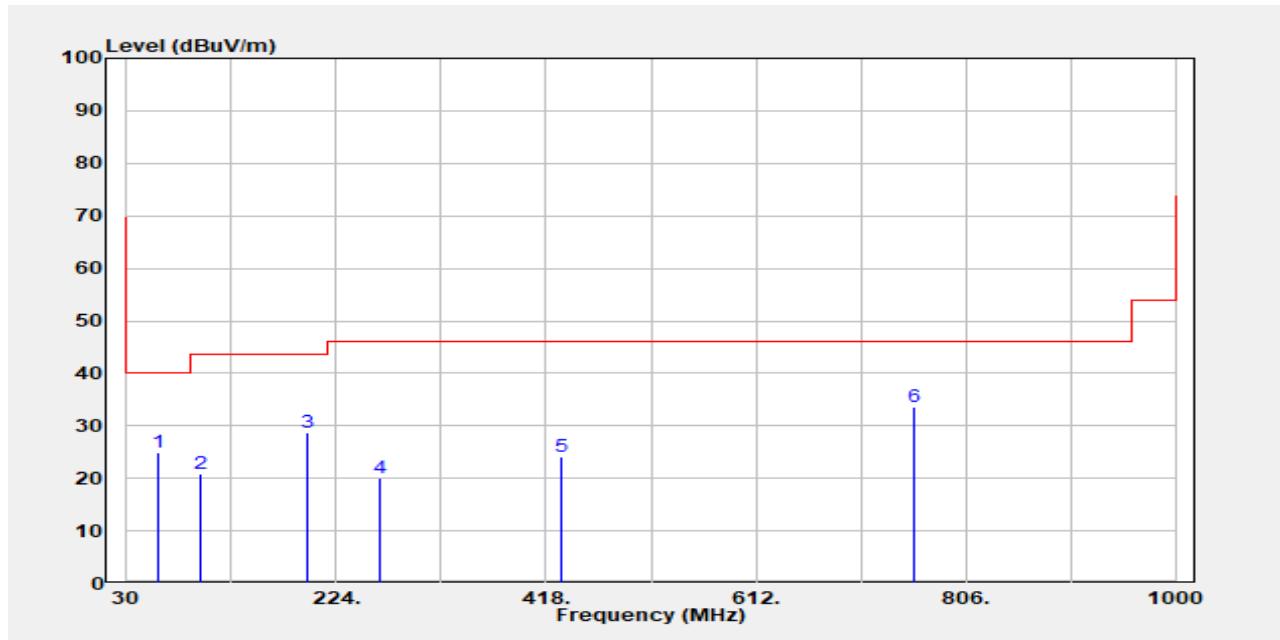
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
58.139	QP	31.20	-17.94	13.26	40.00	-26.74
98.246	Peak	48.19	-22.15	26.05	43.50	-17.45
172.314	Peak	47.95	-17.06	30.89	43.50	-12.61
197.866	Peak	53.16	-19.63	33.53	43.50	-9.97
318.833	Peak	46.27	-15.48	30.79	46.00	-15.21
759.036	Peak	40.62	-6.72	33.89	46.00	-12.11

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Report Number :TERF2508002546E2
Operation Mode :FSK 50kbps
Test Frequency :914.8 MHz
Test Mode :Tx
EUT Pol :E1 Plane
Test Site :SAC D
Test Date :2025-08-11
Temp./Humi. :24.3°C/58%
Antenna Pol. :Horizontal
Engineer :Temo Chen



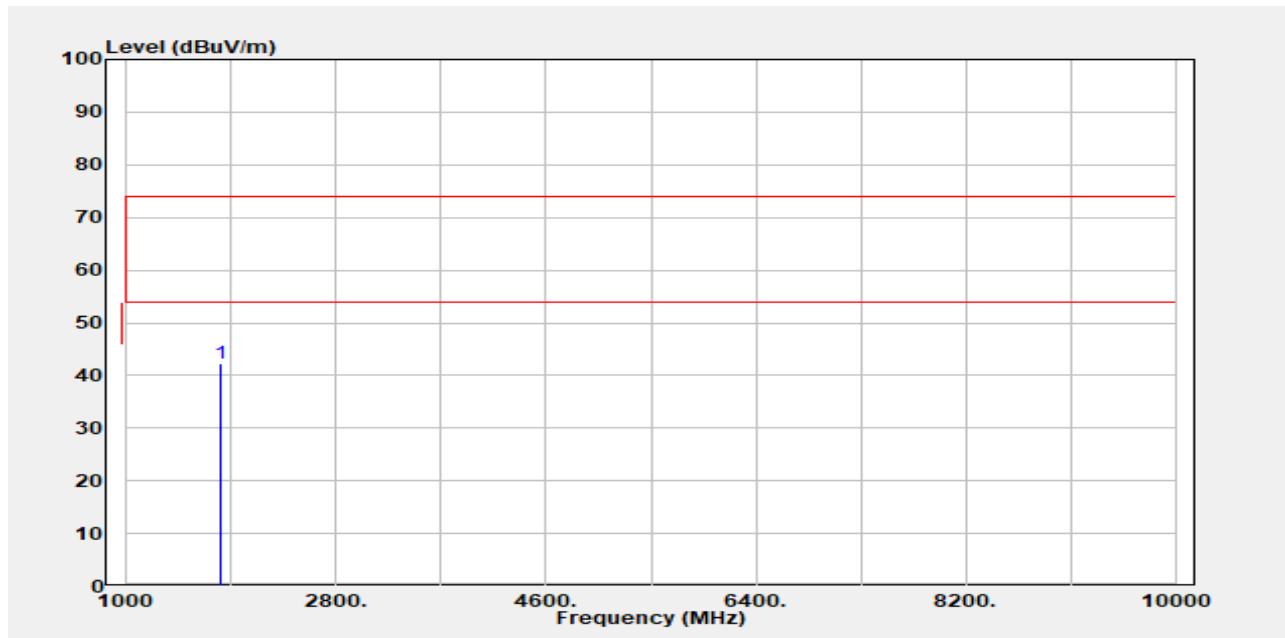
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB _μ V	Factor dB	Actual FS dB _μ V/m	Limit @3m dB _μ V/m	Margin dB
58.463	Peak	42.86	-17.93	24.93	40.00	-15.07
98.246	Peak	43.14	-22.15	21.00	43.50	-22.50
197.866	Peak	48.38	-19.63	28.75	43.50	-14.75
263.848	Peak	37.45	-17.40	20.05	46.00	-25.95
431.391	Peak	36.61	-12.60	24.01	46.00	-21.99
759.036	Peak	40.26	-6.72	33.54	46.00	-12.46

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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-08
Test Frequency :902.2 MHz Temp./Humi. :24.3°C/58%
Test Mode :Tx Antenna Pol. :Vertical
EUT Pol :E1 Plane Engineer :Temo Chen



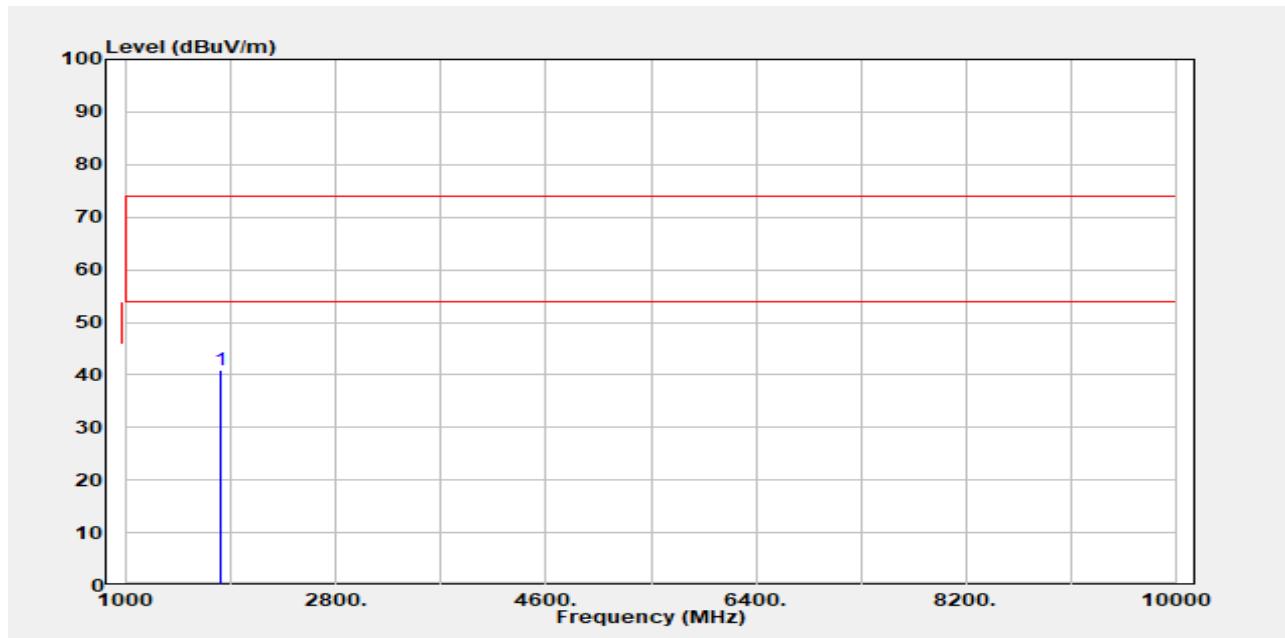
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
1804.27	Peak	42.80	-0.39	42.41	74.00	-31.59

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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-08
Test Frequency :902.2 MHz Temp./Humi. :24.3°C/58%
Test Mode :Tx Antenna Pol. :Horizontal
EUT Pol :E1 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
1804.27	Peak	41.37	-0.39	40.98	74.00	-33.02

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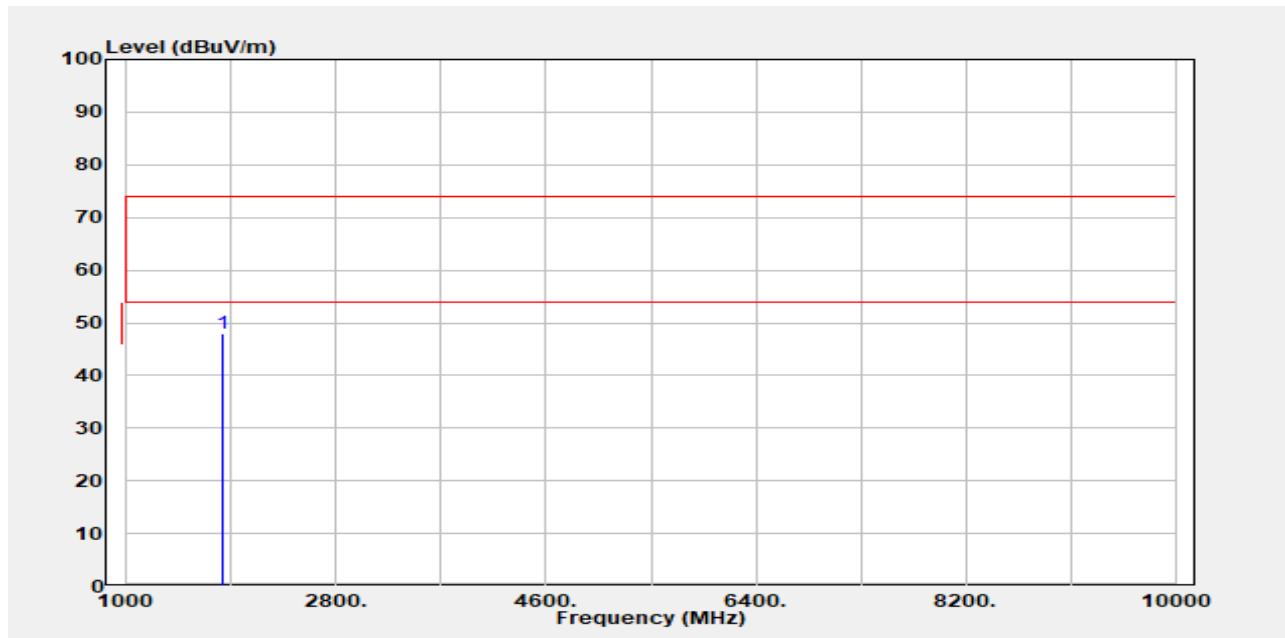
t (886-2) 2299-3279

f (886-2) 2298-0488

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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-08
Test Frequency :914.8 MHz Temp./Humi. :24.3°C/58%
Test Mode :Tx Antenna Pol. :Vertical
EUT Pol :E1 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
1828.28	Peak	48.21	-0.29	47.92	74.00	-26.08

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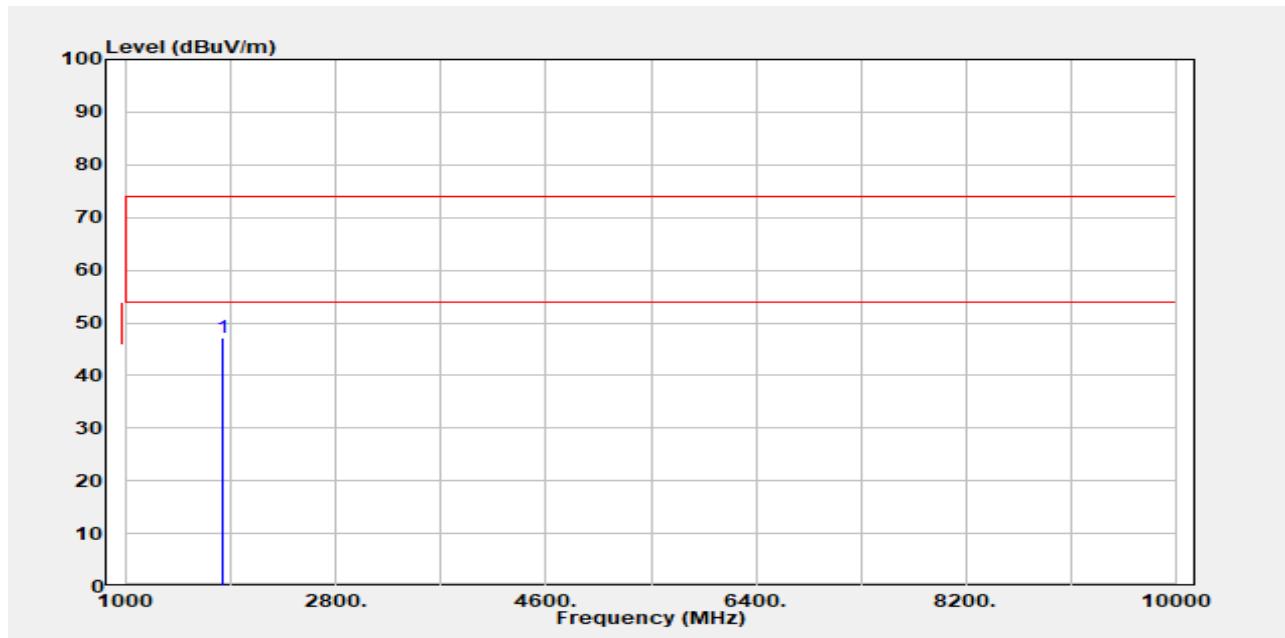
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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-08
Test Frequency :914.8 MHz Temp./Humi. :24.3°C/58%
Test Mode :Tx Antenna Pol. :Horizontal
EUT Pol :E1 Plane Engineer :Temo Chen



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
1831.28	Peak	47.34	-0.25	47.09	74.00	-26.91

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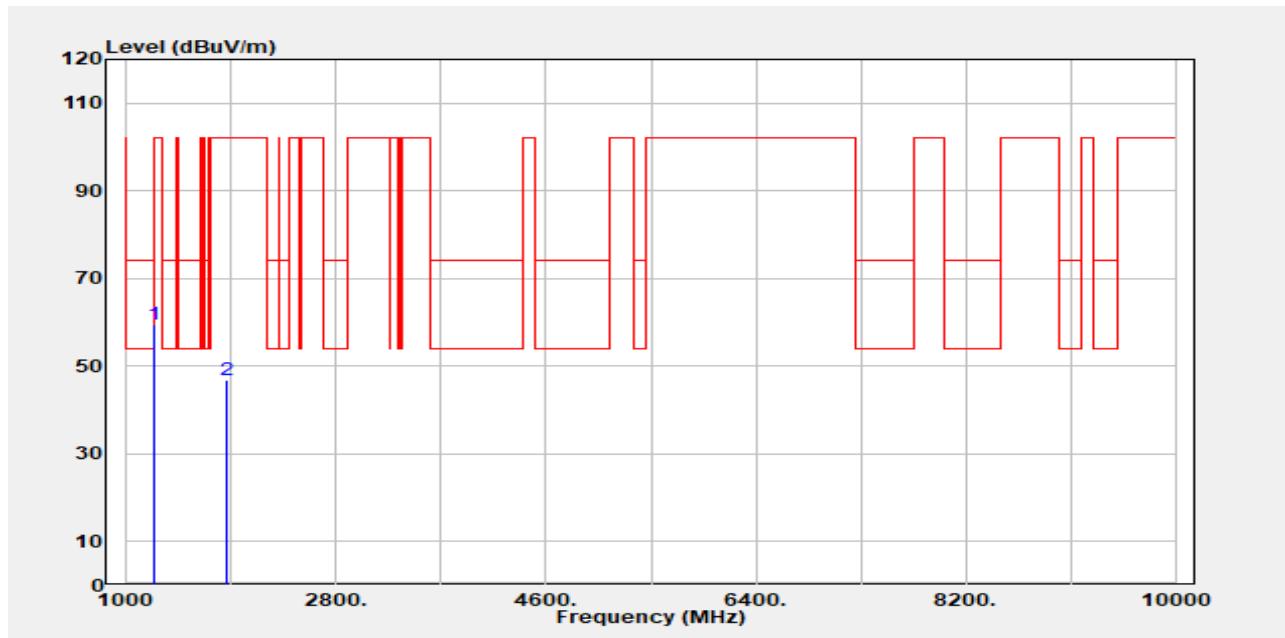
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Report Number :TERF2508002546E2 Test Site :SAC D
Operation Mode :FSK 50kbps Test Date :2025-08-08
Test Frequency :927.8 MHz Temp./Humi. :24.3°C/58%
Test Mode :Tx Antenna Pol. :Vertical
EUT Pol :E1 Plane Engineer :Temo Chen



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
1240.08	Peak	60.53	-0.89	59.64	102.25	-42.61
1855.29	Peak	46.93	0.02	46.95	102.25	-55.30

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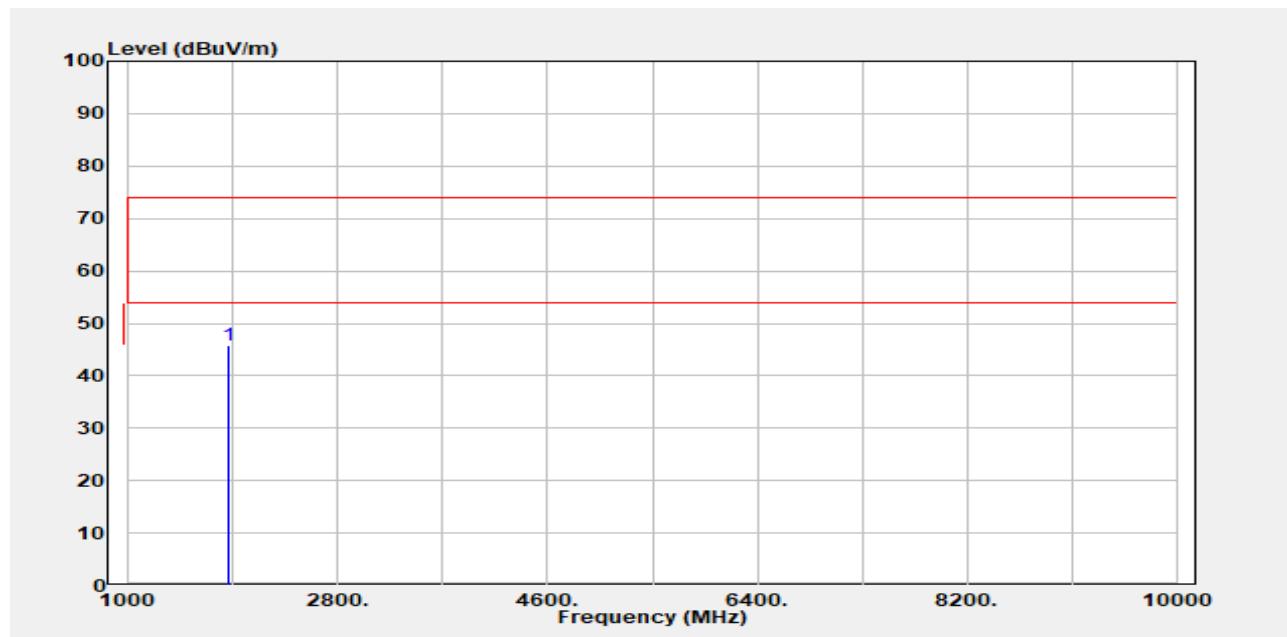
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Report Number : TERF2508002546E2 Test Site : SAC D
Operation Mode : FSK 50kbps Test Date : 2025-08-08
Test Frequency : 927.8 MHz Temp./Humi. : 24.3°C/58%
Test Mode : Tx Antenna Pol. : Horizontal
EUT Pol : E1 Plane Engineer : Temo Chen



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
1855.29	Peak	45.68	0.02	45.70	74.00	-28.30

~ End of Report ~

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