

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



EUT Description Bridge
Applicant: Ring LLC
12515 Cerise Ave, Hawthorne, CA90250 United States
Manufacturer: Ring LLC
12515 Cerise Ave, Hawthorne, CA90250 United States
Brand Name: ring
Model No./ISED HVIN: 7RCEAB
ISED PMN: 7RCEAB
Report Number: TERF2501000108E2
FCC ID 2AEUP-7RCEAB
IC: 20271-7RCEAB
Date of EUT Received: January 6, 2025
Date of Test: January 8, 2025 ~ May 12, 2025
Issue Date: June 12, 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 C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247, ISED RSS-Gen and RSS-247.

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

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2501000108E2	00	Original	June 12, 2025	Yuri Tsai	

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	Bridge
Brand Name:	ring
Model No./ISED HVIN:	7RCEAB
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	L2F11LE3C037109
Power Supply:	100-240V
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
Transmit Power:	24.83 dBm (Peak)
Dwell Time:	<= 0.4s
Operating Mode:	Point-to-Point
Antenna Designation:	PIFA Antenna, Peak Gain: 1dBi

Note: Antenna information is provided by the applicant.

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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 3 Aug. 2023

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

ANSI C63.10:2013

1.4 Test Facility

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

1.5 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 Emissions

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

2.3.2 Conducted Test (RF)

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

2.3.3 Radiated Emissions

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

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2.4 Measurement Results Explanation Example

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

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

2.4.2 For all conducted test items:

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

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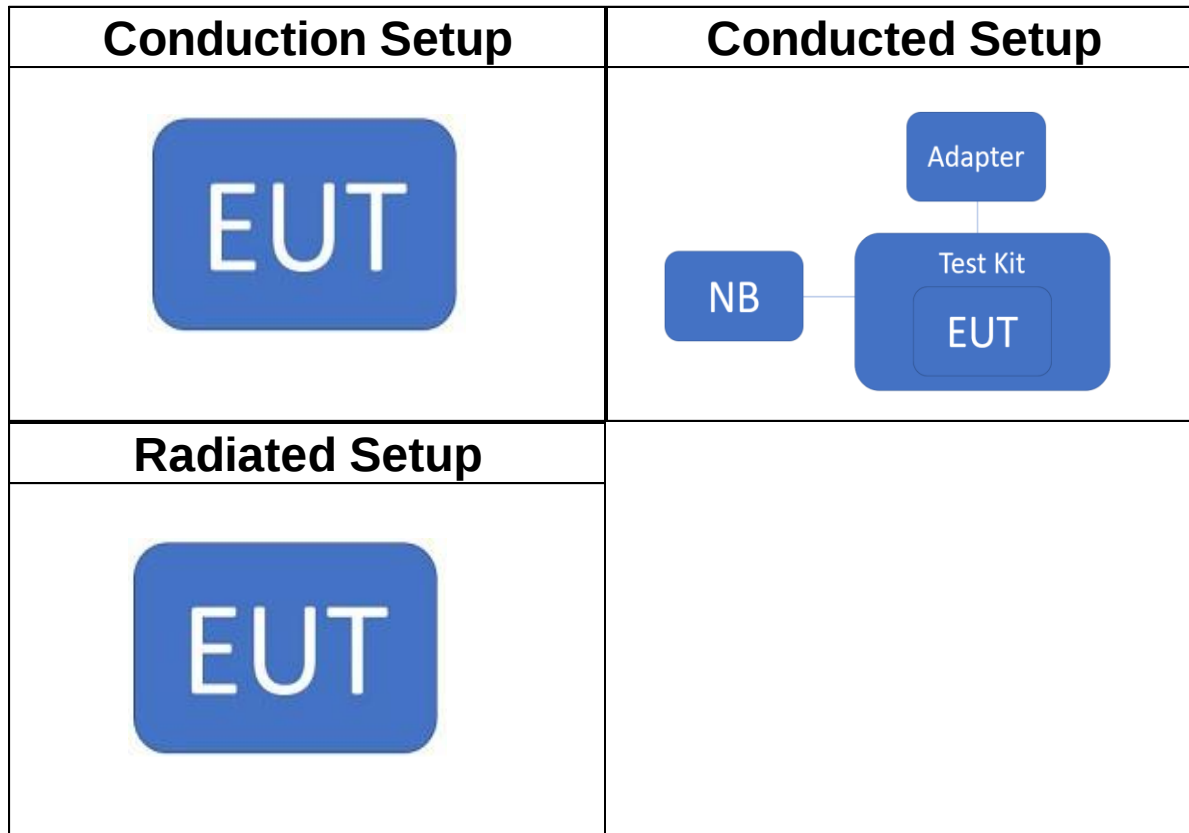
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2.5 Test Configuration



2.6 Control Unit(s)

Conducted Emission Test Site: Conducted C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
USB Cable	N/A	N/A	N/A	N/A	N/A
Test Kit	N/A	N/A	N/A	N/A	N/A
Adapter	DEE VAN ENTERPRISE CO.,LTD.	DAS-12PFU-05 FUS 050200	N/A	N/A	N/A
Notebook	Lenovo	T14	P0003332	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§15.207(a)	RSS-Gen §8.8	AC Power Line Conducted Emission	Compliant
§15.247(a)(1)(i)	RSS-247 §5.2 a RSS-Gen §6.7	Emission Bandwidth	Compliant
§15.247(a)(1)(i)	RSS-247 §5.1 c	Number of Hopping Frequency	Compliant
§15.247(a)(1)	RSS-247 §5.1 b	Frequency Separation	Compliant
§15.247(b)(2)	RSS-247 §5.4 a	Peak Output Power	Compliant
§15.247(a)(1)(i)	RSS-247 §5.1 c	Time of Occupancy	Compliant
§15.205 §15.209 §15.247(d)	RSS-247 §5.5 RSS-Gen §8.9 RSS-Gen §8.10	Conducted & Radiated Band Edge and Spurious Emission	Compliant
§15.203	N/A	Antenna Requirement	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.

TRANSMIT RADIATED EMISSION TEST			
MODE	FREQUENCY BAND (MHz)	TEST FREQUENCY (MHz)	MODULATION
FSK 50kbps	902.2 to 902.2927.8	902.2,914.8,927.8,902.2927.8	-

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.

ANTNNA PORT CONDUCTED TEST			
MODE	AVAILABLE FREQUENCY	TESTED FREQUENCY	MODULATION
Peak Output Power, 20dB Band Width, Spurious Emission			
FSK	902 to 928	902.2, 915.2, 927.8	FSK
Band Edge			
FSK	902 to 928	902.2, 927.8	FSK
Frequency Separation			
FSK	902 to 928	902.2, 902.4, 902.6 914.8, 915, 915.2 927.4, 927.6, 927.8	FSK
Number of Hopping Frequency, Hopping Band edge			
FSK	902 to 928	902.2 to 927.8	FSK
Time of Occupancy(Dwell time)			
FSK	902 to 928	914.8	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	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 C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Coaxial Cable	EC Lab	RF-HY-CAB-250	RF-HY-CAB-250-01	03/27/2025	03/26/2026
EMI Test Receiver	Anritsu	N9038A	MY52260216	11/20/2024	11/19/2025
EMI Test Receiver	R&S	ESCI	101342	04/29/2024	04/28/2025
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	974	06/26/2024	06/25/2025
Pulse Limiter	EC Lab	VTSD 9561F-N	485	03/27/2025	03/26/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

6.2 Conducted Measurement

Conducted Emission Test Site: Conducted C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Woken	WATT-218FS-10	RF18	11/14/2024	11/13/2025
Attenuator	Woken	WATT-218FS-10	RF19	11/14/2024	11/13/2025
DC Block	PASTERNAK	PE8210	RF35	11/14/2024	11/13/2025
Power Meter	Anritsu	ML2496A	2138005	09/25/2024	09/24/2025
Power Sensor	Anritsu	MA2411B	1911395	09/25/2024	09/24/2025
Power Sensor	Anritsu	MA2411B	1911396	09/25/2024	09/24/2025
Spectrum Analyzer	KEYSIGHT	N9010B	MY59071573	05/24/2024	05/23/2025
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

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6.3 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)
3m Site NSA	SGS	966 chamber D	N/A	04/30/2024	04/29/2025
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	12/17/2024	12/16/2025
Coaxial Cable	EMCI+Huber Suhner	RG 214/U+EMC104- SM-SM- 500+SUCOFLEX 104+16+EMC105- SM-SM- 11000+EMC106- SM-SM-2300	W22.01+W21.01+15 0707+MY969/4+16+ 190825+150702	11/14/2024	11/13/2025
High Pass Filter	Titan Microwave	T04H30001800070S 01	RF188	11/14/2024	11/13/2025
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/30/2024	05/29/2025
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	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
H-Loop Near Field Antenna	LANGER EMV- Technik	LF-R 400	02-1597	N.C.R	N.C.R
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 CONDUCTED EMISSION TEST

7.1 Standard Applicable

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

Frequency range MHz	Limits (dBuV)	
	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

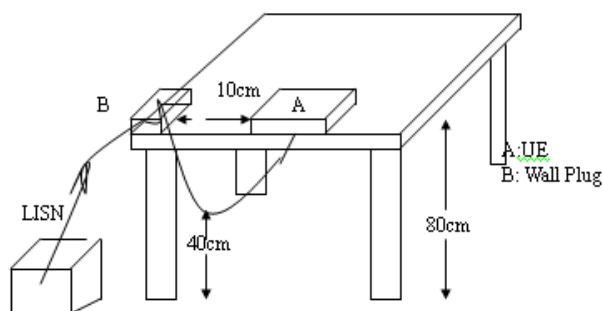
Note

- 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 C63.10:2013.
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 Set-up:



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 frequency measured were complete.

7.5 Measurement Result

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

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

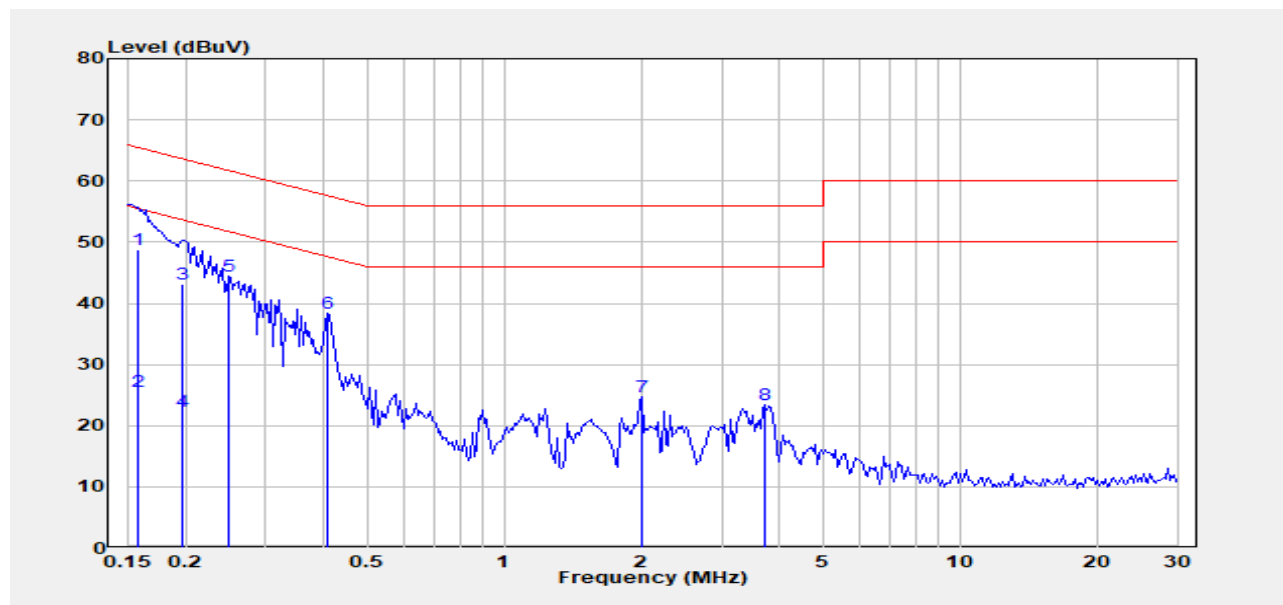
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AC POWER LINE CONDUCTED EMISSION TEST DATA

Report Number	:TERF2501000108E2	Test Site	:Conduction C
Test Mode	:FSK	Test Date	:2025-04-25
Power	:120V	Temp./Humi.	:25.2/57
Probe	:L1	Engineer	:Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.156	QP	38.10	10.69	48.79	65.65	-16.86
0.156	Average	14.90	10.69	25.59	55.65	-30.06
0.198	QP	32.50	10.68	43.18	63.71	-20.53
0.198	Average	11.70	10.68	22.38	53.71	-31.33
0.249	Peak	33.69	10.67	44.35	61.78	-17.42
0.410	Peak	27.80	10.64	38.44	57.64	-19.19
2.012	Peak	13.85	10.78	24.63	56.00	-31.37
3.720	Peak	12.43	10.89	23.33	56.00	-32.67

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Report Number :TERF2501000108E2

Test Mode :FSK

Power :120V

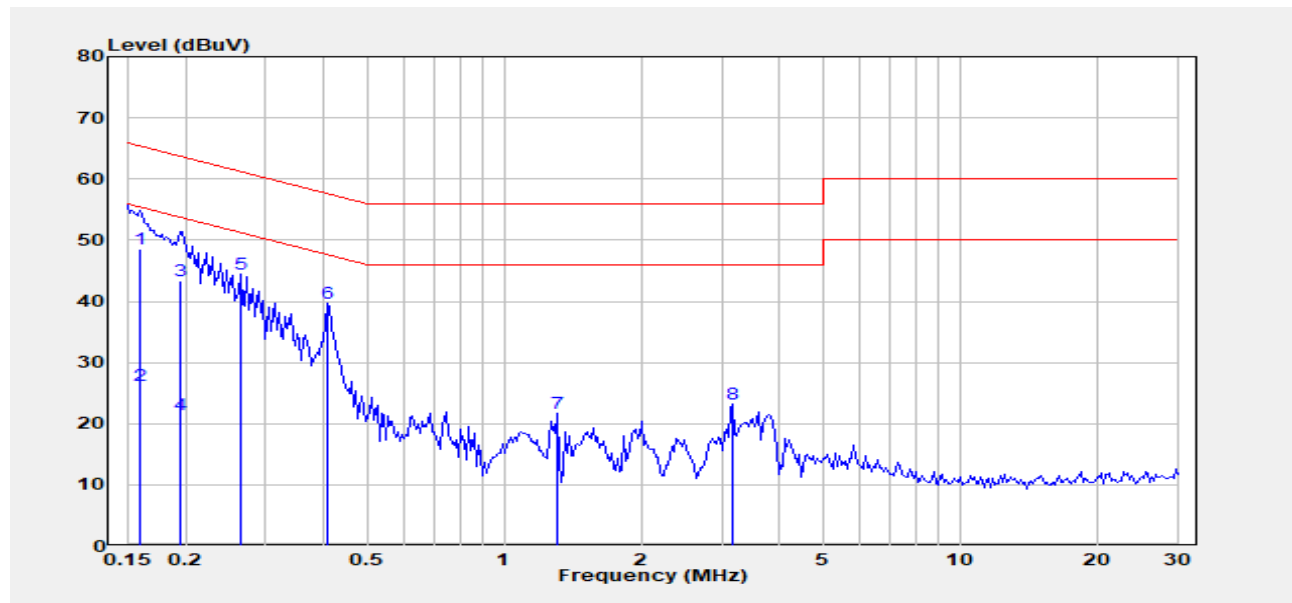
Probe :N

Test Site :Conduction C

Test Date :2025-04-25

Temp./Humi. :25.2/57

Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS		
	PK/QP/AV	dB μ V	dB	dB μ V	dB μ V	dB
0.158	QP	37.90	10.67	48.57	65.56	-16.99
0.158	Average	15.60	10.67	26.27	55.56	-29.29
0.195	QP	32.70	10.67	43.37	63.80	-20.43
0.195	Average	10.70	10.67	21.37	53.80	-32.43
0.263	Peak	33.72	10.65	44.37	61.34	-16.97
0.410	Peak	29.15	10.62	39.77	57.64	-17.87
1.303	Peak	10.88	10.72	21.60	56.00	-34.40
3.173	Peak	12.36	10.86	23.22	56.00	-32.78

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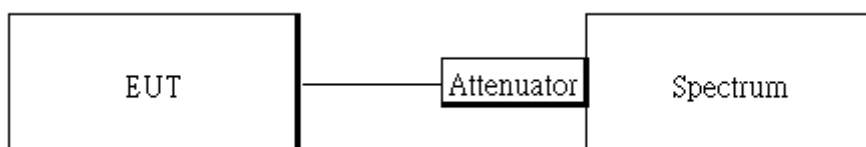
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8 EMISSION BANDWIDTH

8.1 Standard Applicable

The minimum 6 dB bandwidth shall be 500 kHz.

8.2 Test Setup



8.3 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.
3. Set the spectrum analyzer as RBW=1% to 5% OBW, VBW = 3 x RBW, Span= large enough to capture all products of the modulation process, Sweep=auto, Detector = Peak, and Max hold for 20dB Bandwidth test.
4. Mark the peak frequency and -20dB (upper and lower) frequency and Turn on the 99% bandwidth function, max reading.
5. Repeat above procedures until all test default channel is completed

8.4 20dB Bandwidth

FSK 50Kbps

CH	20 dB BW (MHz)	2/3 BW (MHz)
902.2	0.1061	0.07
914.8	0.1057	0.07
927.8	0.1059	0.07

8.5 99% Bandwidth

FSK 50Kbps

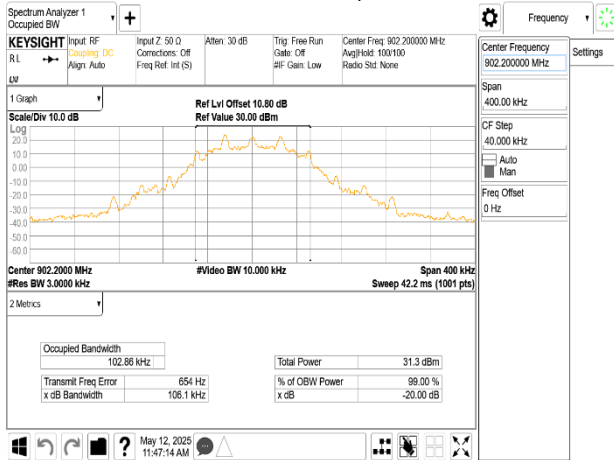
CH	99% BW (MHz)
902.2	0.10313
914.8	0.1027
927.8	0.10201

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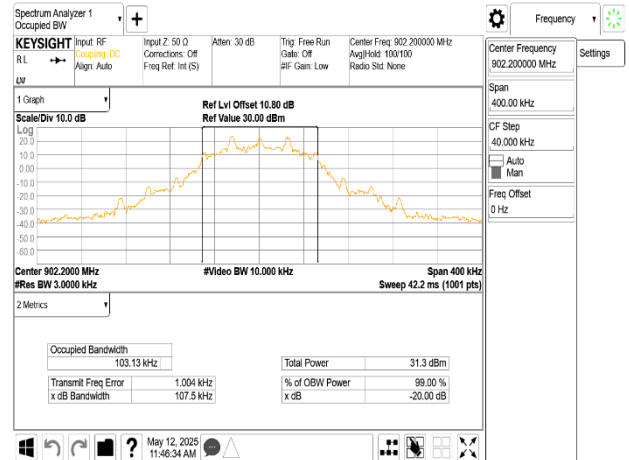
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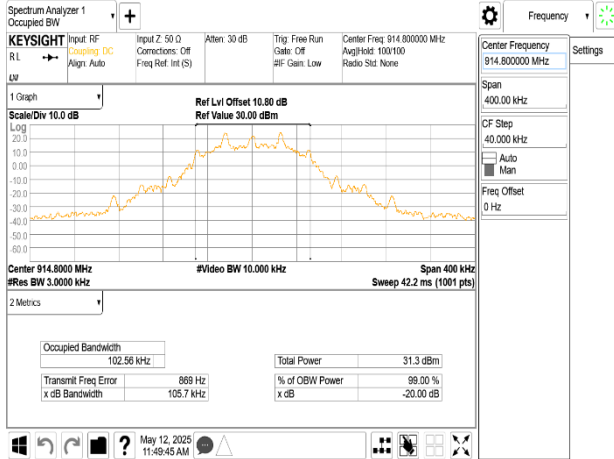
OBW 20dB_FSK_50Kbps_902.2MHz



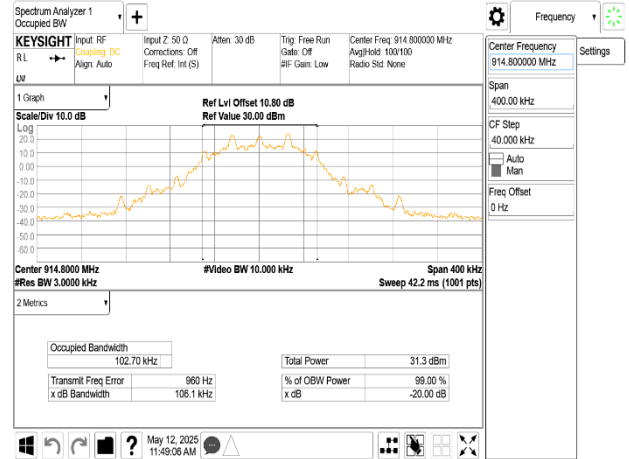
IC OBW 99%_FSK_50Kbps_902.2MHz



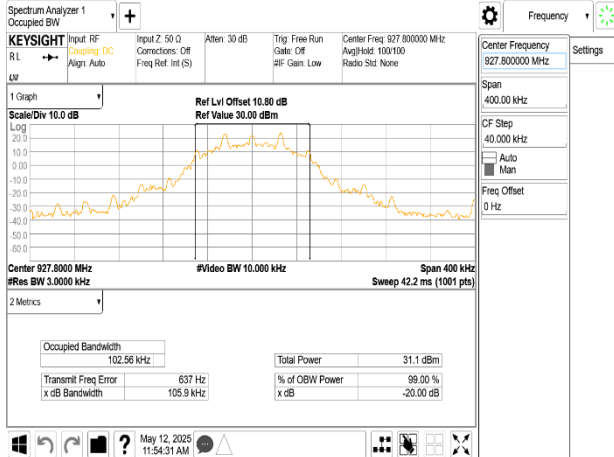
OBW 20dB_FSK_50Kbps_914.8MHz



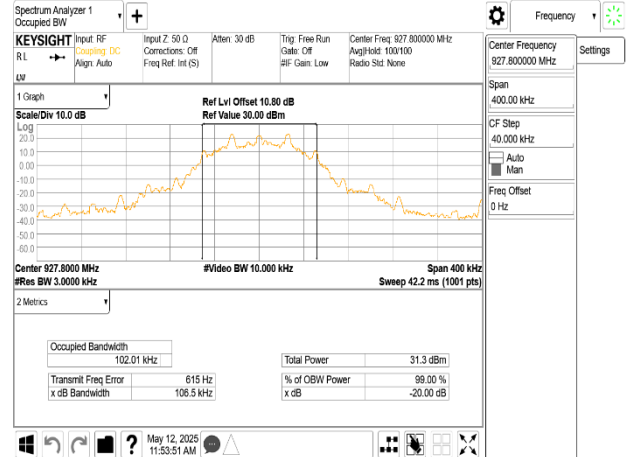
IC OBW 99%_FSK_50Kbps_914.8MHz



OBW 20dB_FSK_50Kbps_927.8MHz



IC OBW 99%_FSK_50Kbps_927.8MHz



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9 NUMBER OF HOPPING FREQUENCY

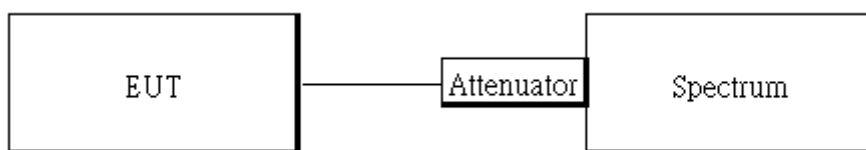
9.1 Standard Applicable

Frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies.

if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies.

The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

9.2 Test Setup



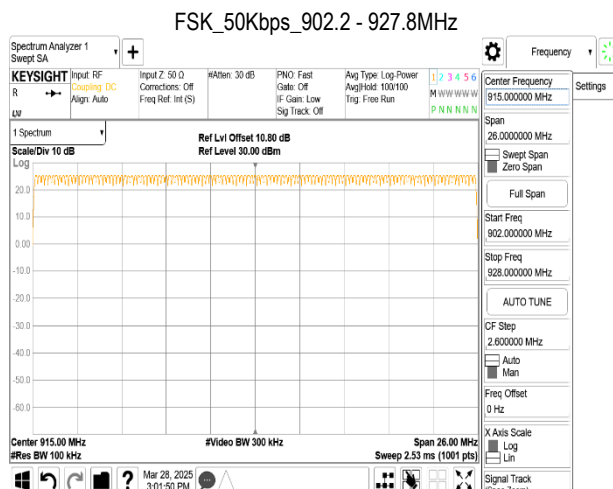
9.3 Measurement Procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows ANSI C63.10:2013.
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 spectrum analyzer Start= 902.2MHz, Stop = 927.8MHz, Sweep = auto.
5. Set the spectrum analyzer as RBW< 30% Freq. spacing or the 20 dB bandwidth, whichever is smaller, VBW ≥ RBW, Detector = Peak
6. Max hold, view and count how many channel in the band.

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9.4 Measurement Result:



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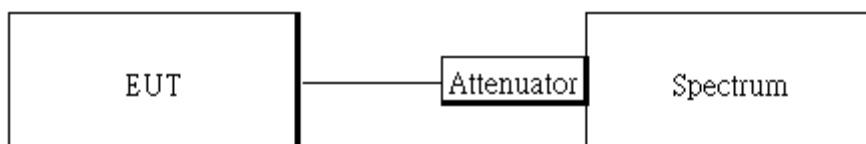
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10 FREQUENCY SEPARATION

10.1 Standard Applicable

Frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

10.2 Test Setup



10.3 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows ANSI C63.10:2013.
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 center frequency of spectrum analyzer = middle of hopping channel.
5. Set the RBW approximately 30% of the channel spacing, $VBW \geq RBW$.
6. Adjust Span to Wide enough to capture the peaks of two adjacent channels.
7. Sweep = auto.
8. Max hold. Mark 3 Peaks of hopping channel and record the 3 peaks frequency.

10.4 Measurement Result

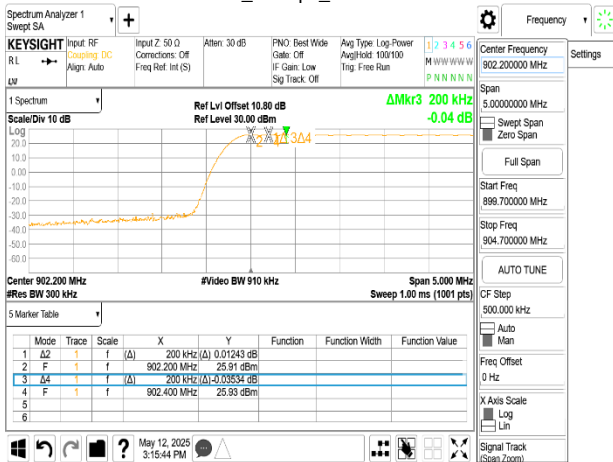
Channel separation (kHz)	Limit	Result
200	≥ 25 kHz or 2/3 times 20dB bandwidth	PASS

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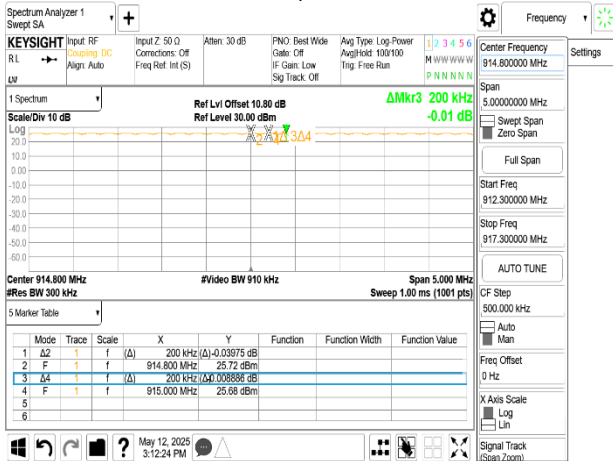
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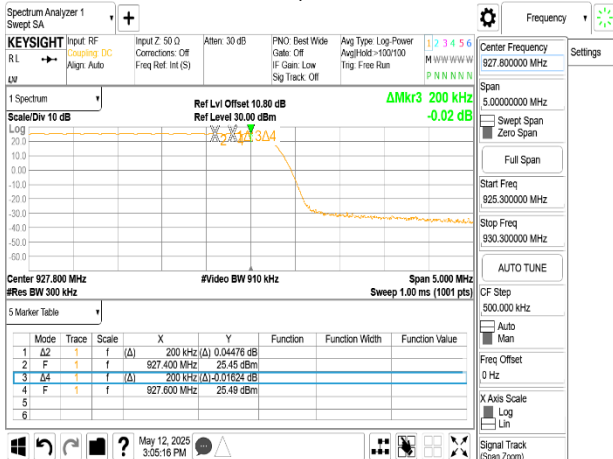
FSK_50Kbps_902.2MHz



FSK_50Kbps_914.8MHz



FSK_50Kbps_927.8MHz



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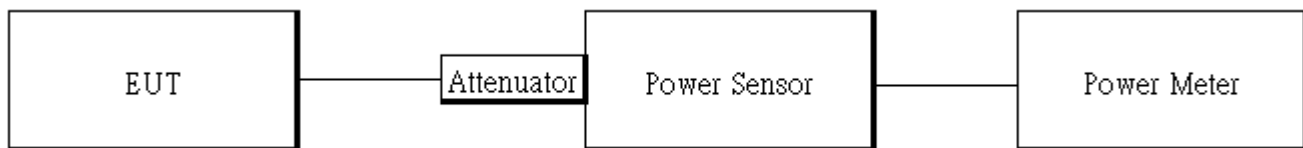
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11 PEAK OUTPUT POWER MEASUREMENT

11.1 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.

11.2 Test Setup



11.3 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 $\geq$ 20dB bandwidth)
4. Record the max. reading.
5. Repeat above procedures until all default test channel is completed.

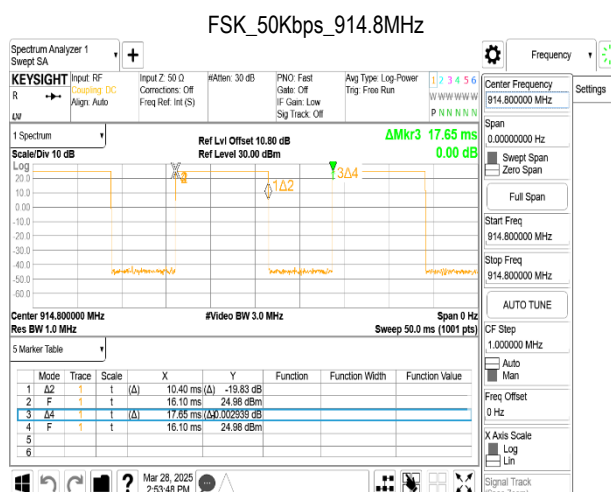
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11.4 Measurement Result

11.4.1 Duty Cycle

Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
FSK	58.92	2.30	0.10	1.00



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11.4.2 Output Power

FSK 50Kbps mode (Peak):

Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
902.2	6	24.83	304.089	1000
914.8	6	24.61	289.068	1000
927.8	6	24.47	279.898	1000

FSK 50Kbps mode (Average):

Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
902.2	6	24.05	253.928	1000
914.8	6	23.88	244.181	1000
927.8	6	23.67	232.654	1000

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

11.4.3 EIRP

FSK 50Kbps mode EIRP

Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	Limit (mW)
902.2	6	24.05	1.00	319.677	4000
914.8	6	23.88	1.00	307.405	4000
927.8	6	23.67	1.00	292.895	4000

* Note: EIRP = Average Power + Gain

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12 TIME OF OCCUPANCY (DWELL TIME)

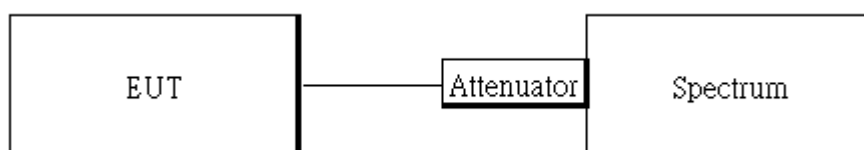
12.1 Standard Applicable

For FHSs in the band 902-928 MHz:

if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any channel shall not be greater than 0.4 seconds within a 20-second period.

If the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any channel shall not be greater than 0.4 seconds within a 10-second period.

12.2 Test Setup



12.3 Measurement Procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows ANSI C63.10:2013.
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 center frequency of spectrum analyzer = operating frequency.
5. Set the spectrum analyzer as RBW, VBW=100kHz, 300kHz, Span = 0Hz, Detector = Peak, Adjust Sweep = 20 s.
6. Repeat above procedures until all frequency of the interest measured were complete.

12.4 Tabular Result of the Measurement:

FSK

Channel	PACKET TYPE	Measurement Result (ms)	Limit (ms)
914.8	FSK	292.00	400

NOTE: cable loss as 10.8 dB that offsets in the spectrum

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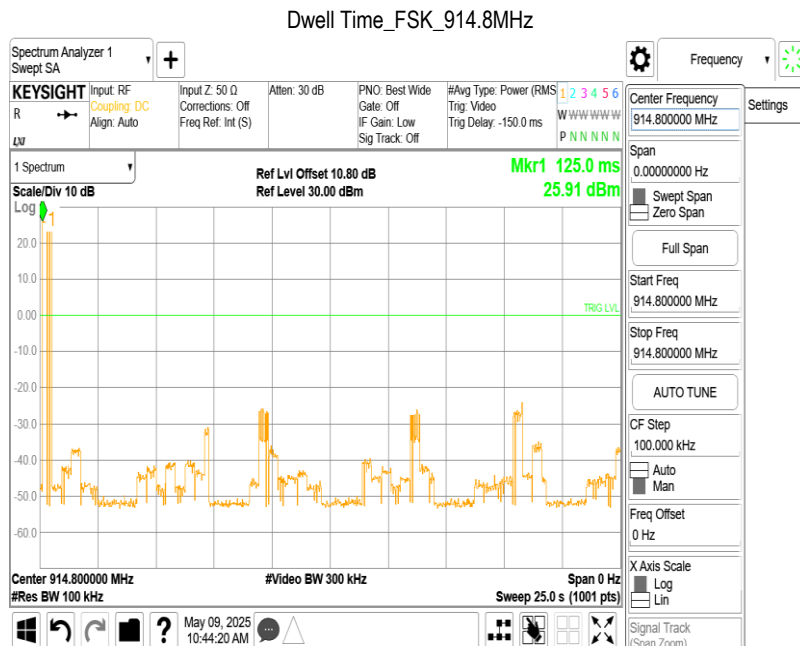
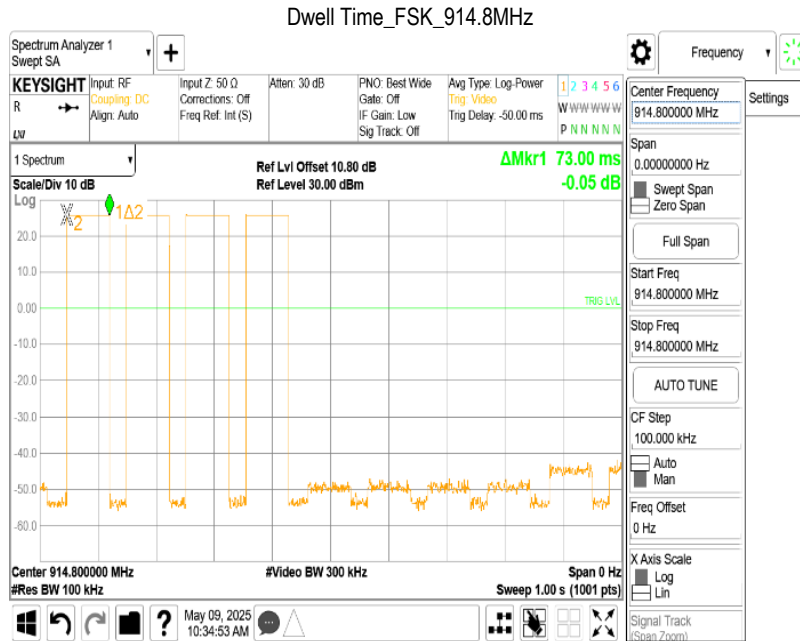
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12.5 Measurement Result:



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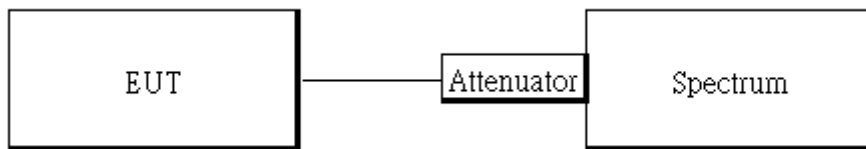
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13 CONDUCTED BAND EDGES AND SPURIOUS EMISSION MEASUREMENT

13.1 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) and RSS-Gen §8.10, must also comply with the radiated emission limits specified in §15.209(a) and RSS-Gen §8.9.

13.2 Test Setup



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13.3 Measurement Procedure

Conducted Band Edge:

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows ANSI C63.10:2013.
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 center frequency of spectrum analyzer = operating frequency.
5. Set the spectrum analyzer as RBW=100 kHz, VBW=300 kHz, Sweep = auto
6. Mark Peak and record the max. level.
7. Repeat above procedures until all frequency measured were complete.

Conducted Spurious Emission:

1. To connect Antenna Port of EUT to Spectrum.
2. The testing follows ANSI C63.10:2013.
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.

NOTE: cable loss as 10.8dB that offsets in the spectrum

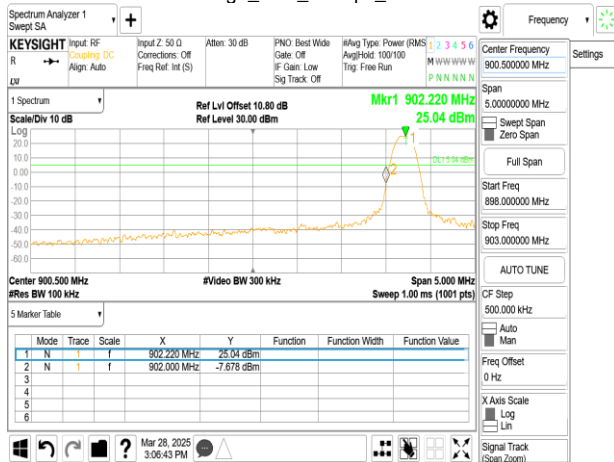
13.4 Measurement Result

See next page for test plots.

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Band Edge_FSK_50Kbps_902.2MHz



Hopping Band Edge_FSK_50Kbps_902.2MHz



Band Edge_GFSK_1M_DH5_927.8MHz



Hopping Band Edge_FSK_50Kbps_927.8MHz

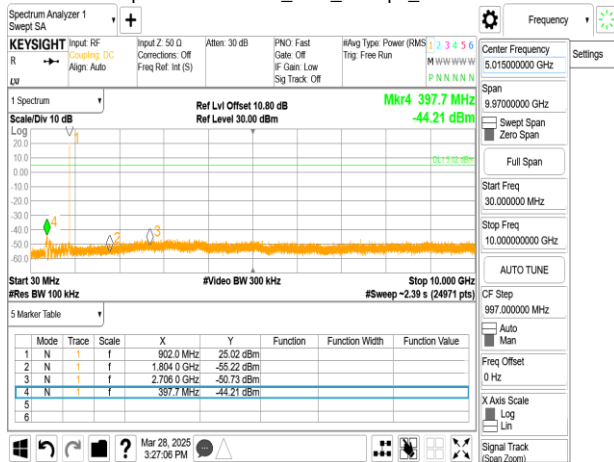


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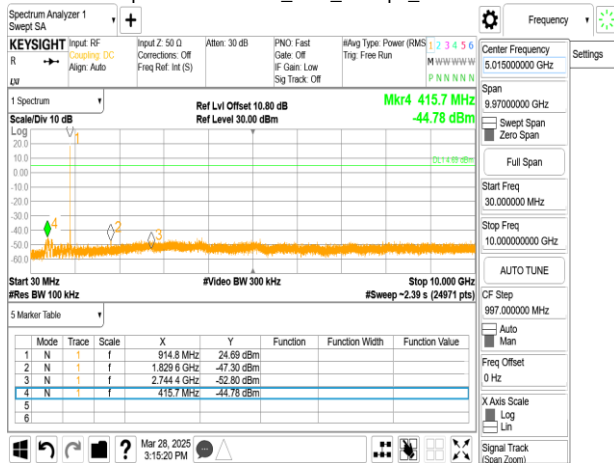
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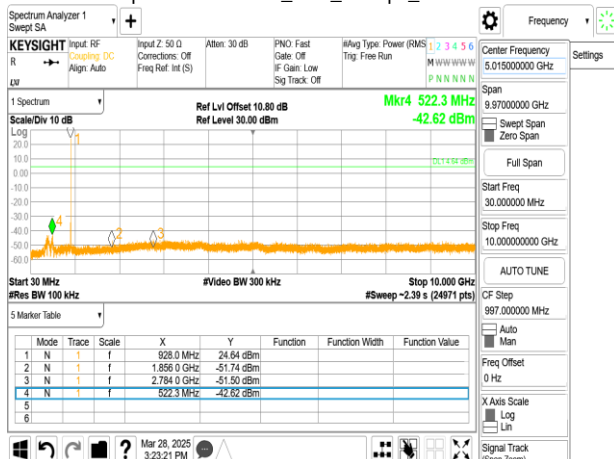
Spurious Emission_FSK_50Kbps_902.2MHz



Spurious Emission_FSK_50Kbps_914.8MHz



Spurious Emission_FSK_50Kbps_927.8MHz



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14 SPURIOUS RADIATED EMISSION TEST

14.1 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:

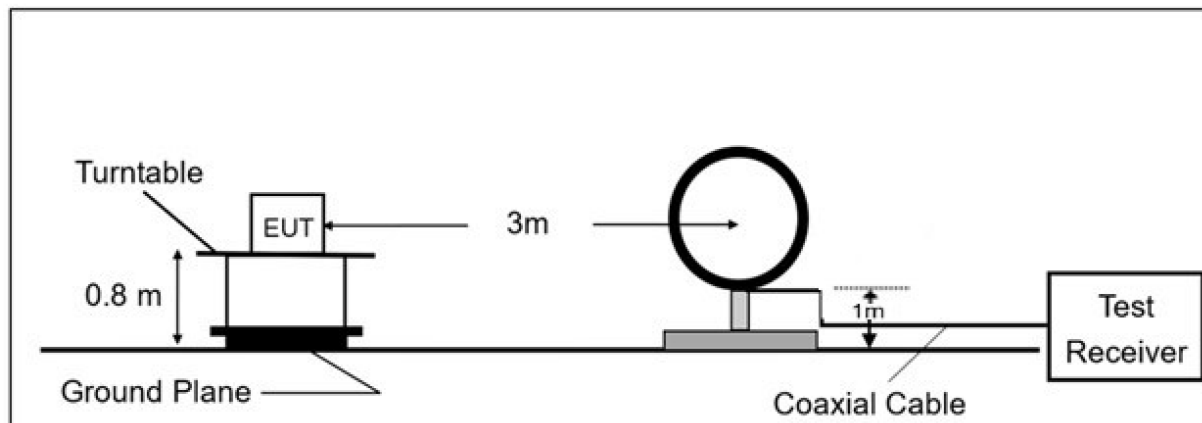
1. The lower limit shall apply at the transition frequencies.

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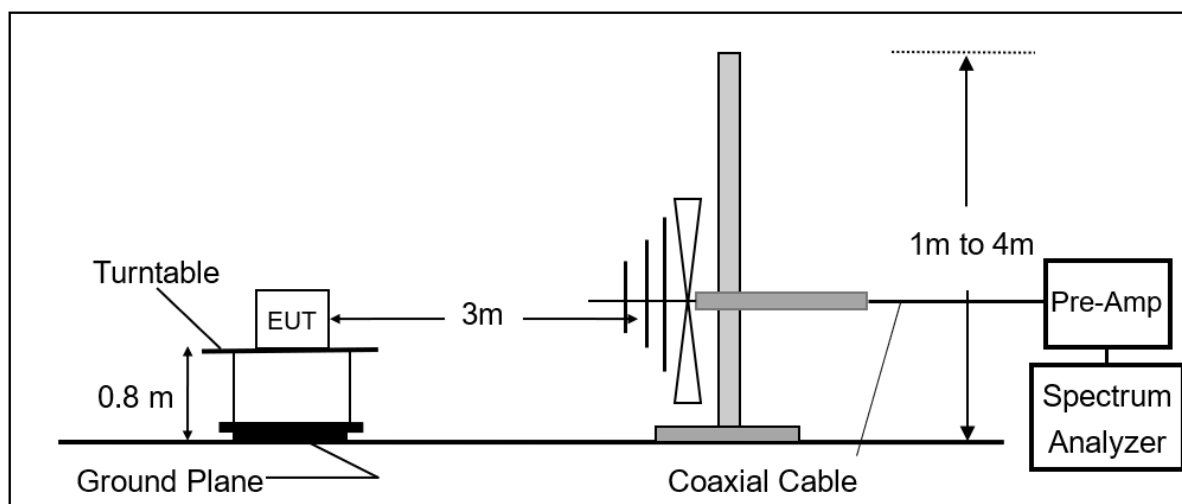
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14.2 Test Setup

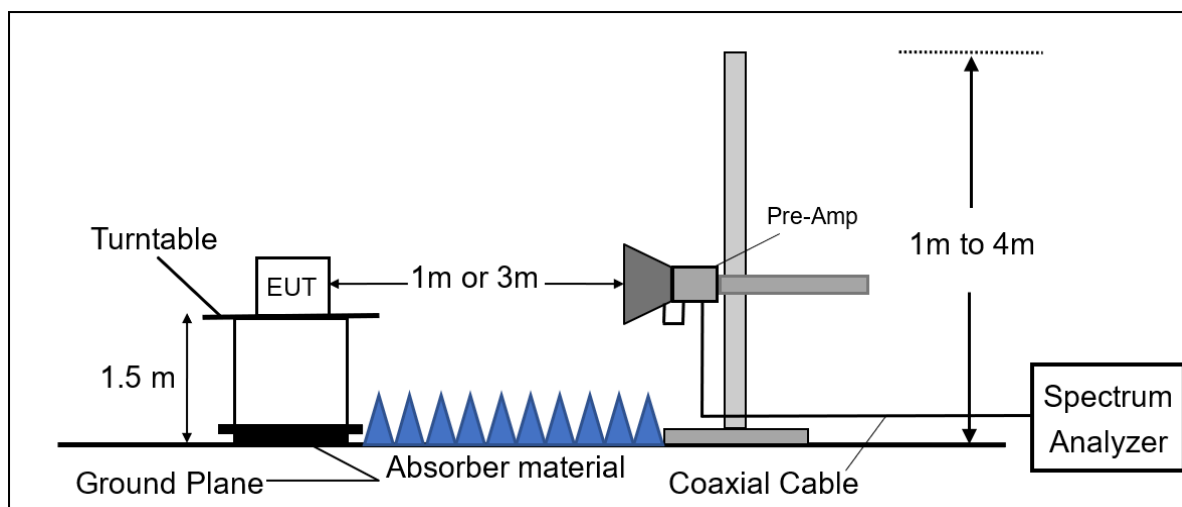
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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14.3 Measurement Procedure

1. The testing follows the Measurement Procedure of ANSI C63.10:2013.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. According to C63.10:2013 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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14.4 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 $20 \cdot \log(\mu V/m)$

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

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

14.5 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.

14.6 AVG Duty Cycle Factor calculation

N/A

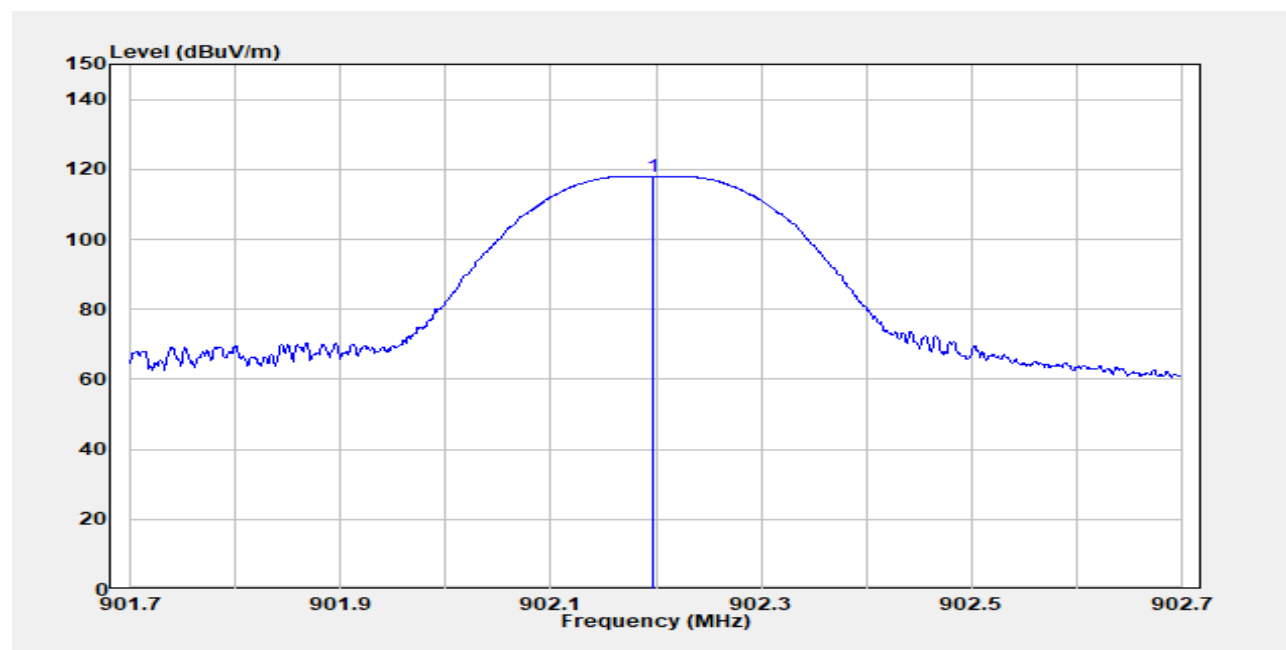
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14.7 Measurement Result:**14.7.1 Main Result**

Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :902.2 MHz
 Test Mode :Main
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



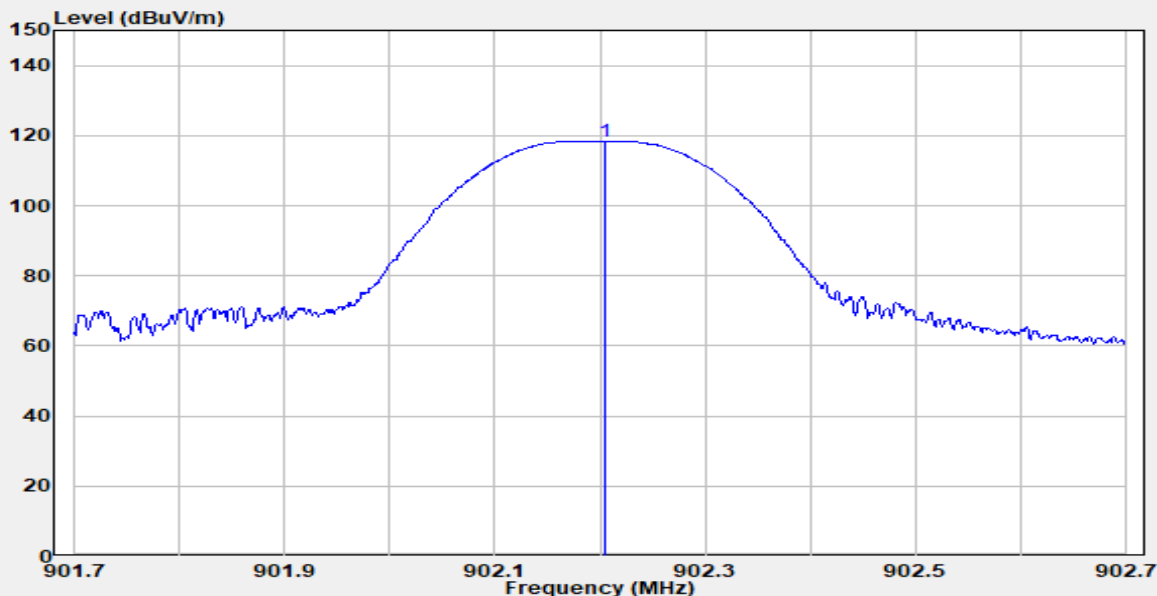
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.20	Peak	123.40	-5.31	118.09	-	-

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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :902.2 MHz
 Test Mode :Main
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



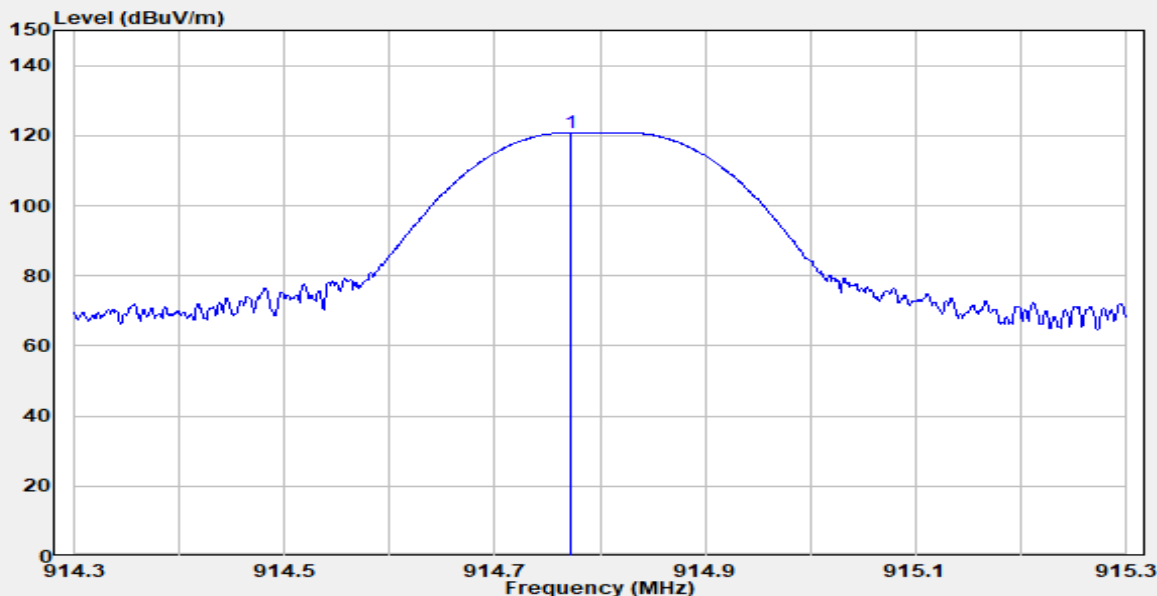
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
902.20	Peak	123.56	-5.31	118.25	-	-

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Report Number :TERF2501000108E2
Operation Mode :FSK 50kbps
Test Frequency :914.8 MHz
Test Mode :Main
EUT Pol :E1 Plane

Test Site :SAC D
Test Date :2025-01-08
Temp./Humi. :20.8°C/54%
Antenna Pol. :Vertical
Engineer :Temo Chen



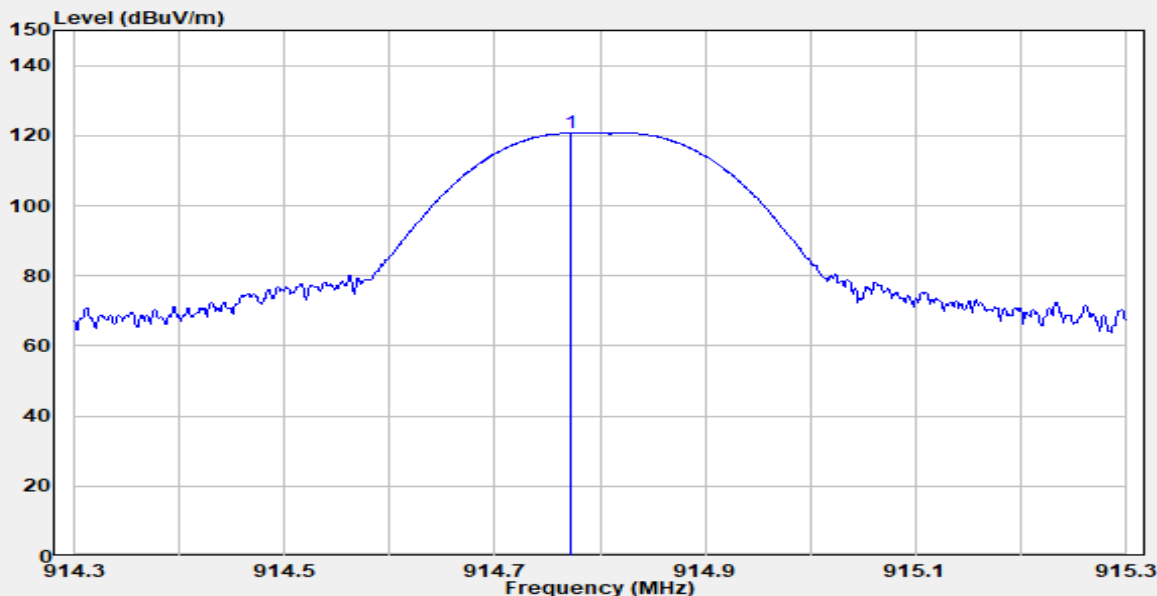
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
914.77	Peak	125.92	-5.04	120.88	-	-

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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :914.8 MHz
 Test Mode :Main
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
914.77	Peak	125.69	-5.04	120.65	-	-

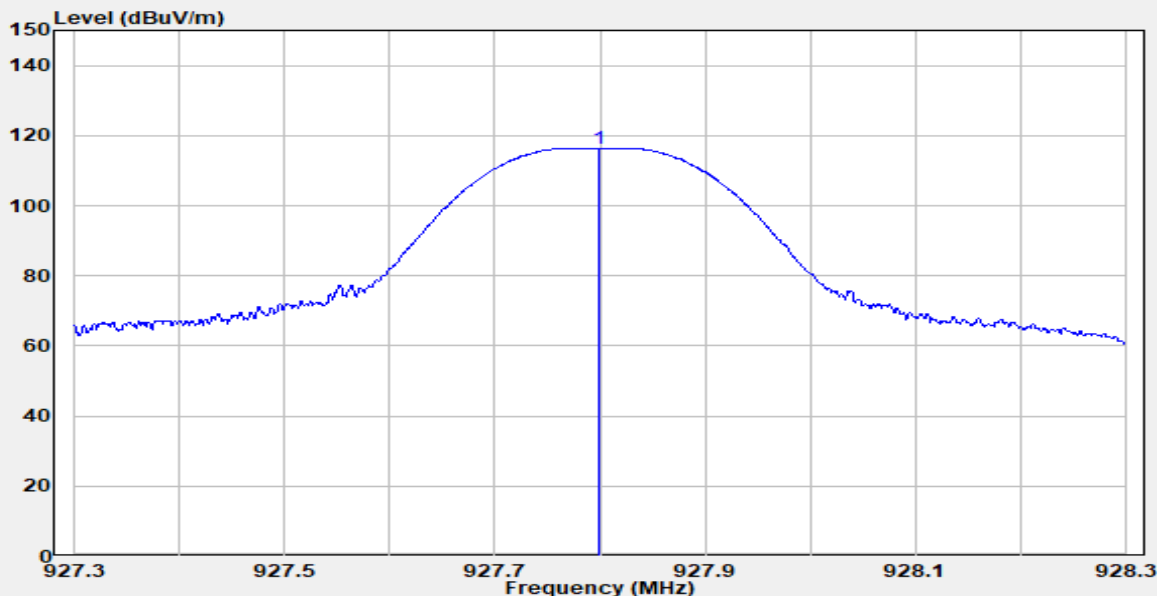
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Report Number :TERF2501000108E2
Operation Mode :FSK 50kbps
Test Frequency :927.8 MHz
Test Mode :Main
EUT Pol :E1 Plane

Test Site :SAC D
Test Date :2025-01-08
Temp./Humi. :20.8°C/54%
Antenna Pol. :Vertical
Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
927.80	Peak	121.11	-4.77	116.34	-	-

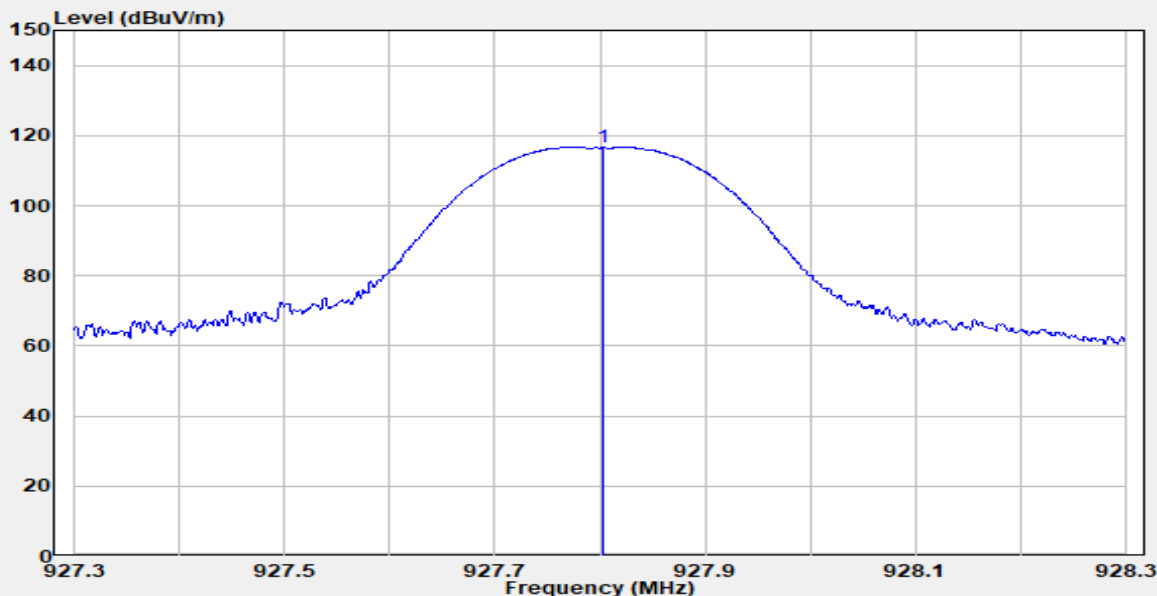
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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :927.8 MHz
 Test Mode :Main
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
927.80	Peak	121.29	-4.77	116.52	-	-

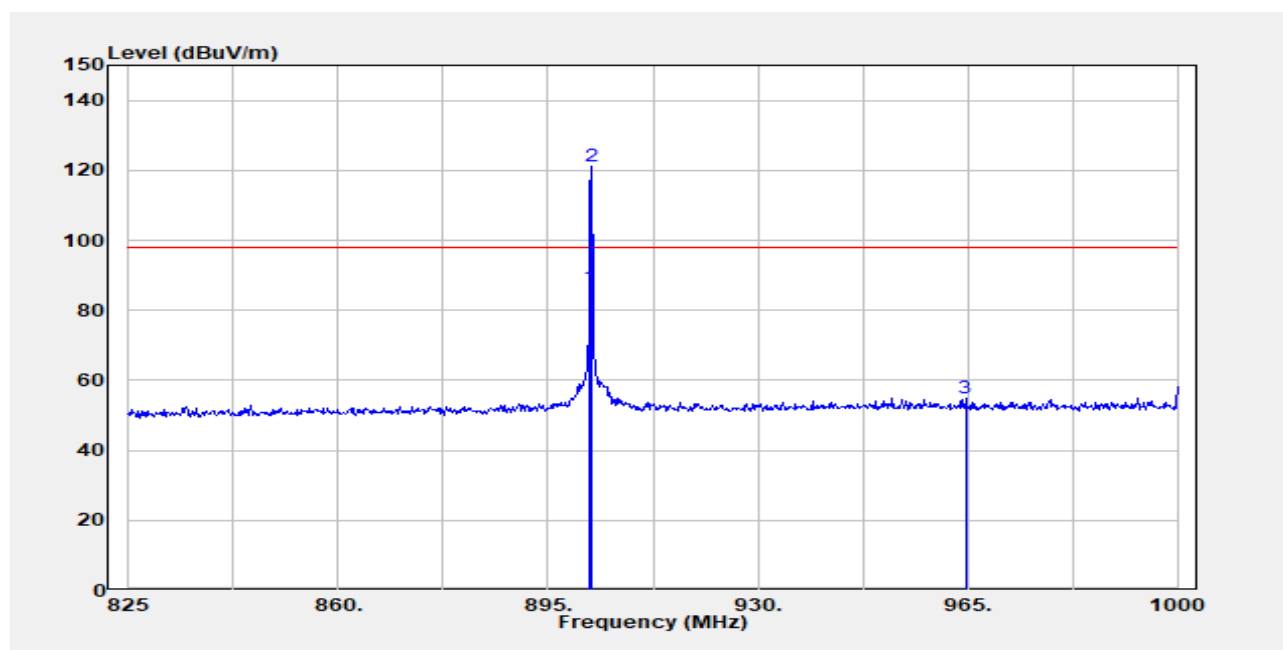
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14.7.2 Bandedge Result

Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :902.2 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



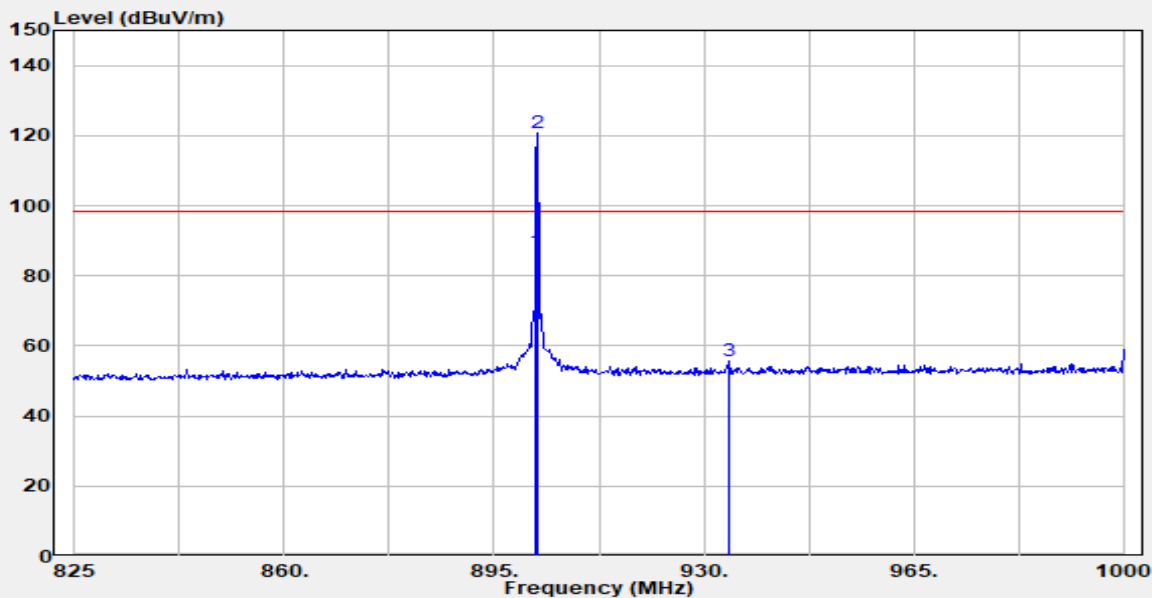
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.00	Peak	91.91	-5.31	86.60	98.09	-11.49
902.20	Peak	126.57	-5.31	121.26	-	-
964.65	Peak	59.26	-4.23	55.03	98.09	-43.06

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Report Number :TERF2501000108E2
Operation Mode :FSK 50kbps
Test Frequency :902.2 MHz
Test Mode :Bandedge
EUT Pol :E1 Plane

Test Site :SAC D
Test Date :2025-01-08
Temp./Humi. :20.8°C/54%
Antenna Pol. :Horizontal
Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
902.00	Peak	92.33	-5.31	87.02	98.25	-11.23
902.20	Peak	126.18	-5.31	120.87	-	-
934.20	Peak	60.26	-4.62	55.64	98.25	-42.61

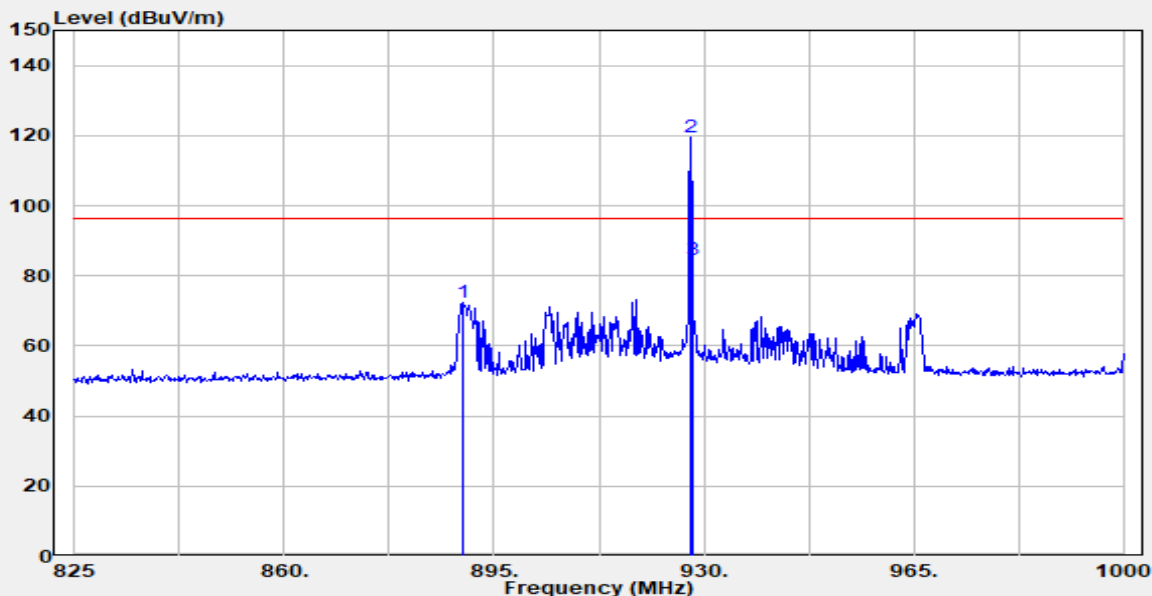
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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :927.8 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



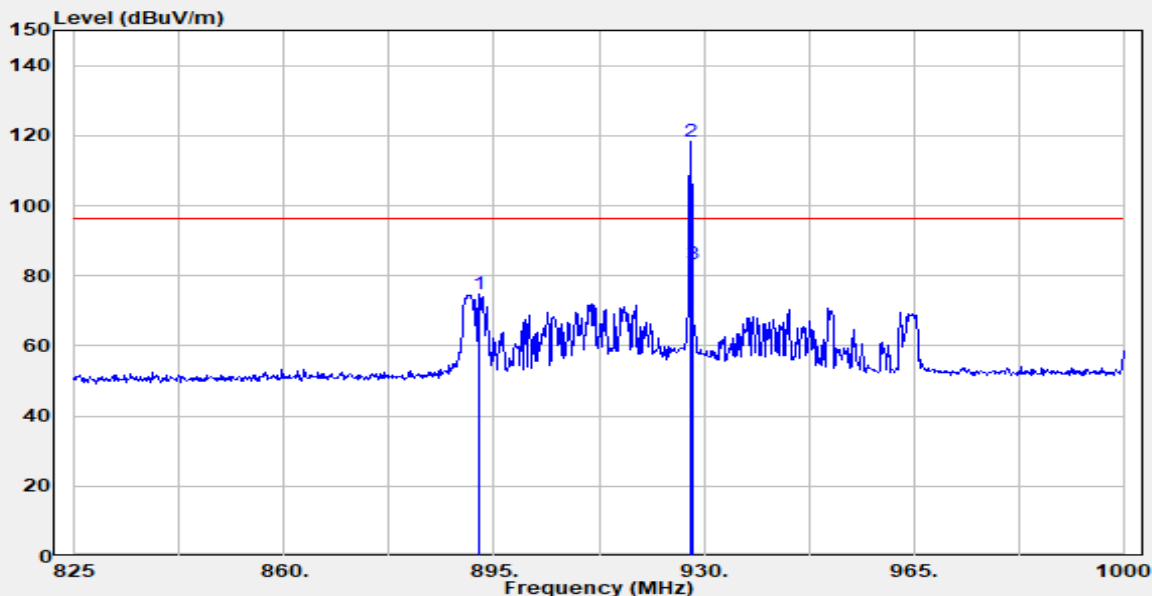
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
889.93	Peak	77.96	-5.62	72.34	96.34	-24.00
927.80	Peak	124.10	-4.77	119.33	-	-
928.00	Peak	89.29	-4.77	84.52	96.34	-11.82

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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :927.8 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
892.55	Peak	80.31	-5.55	74.76	96.52	-21.76
927.80	Peak	122.98	-4.77	118.21	-	-
928.00	Peak	88.29	-4.77	83.52	96.52	-13.00

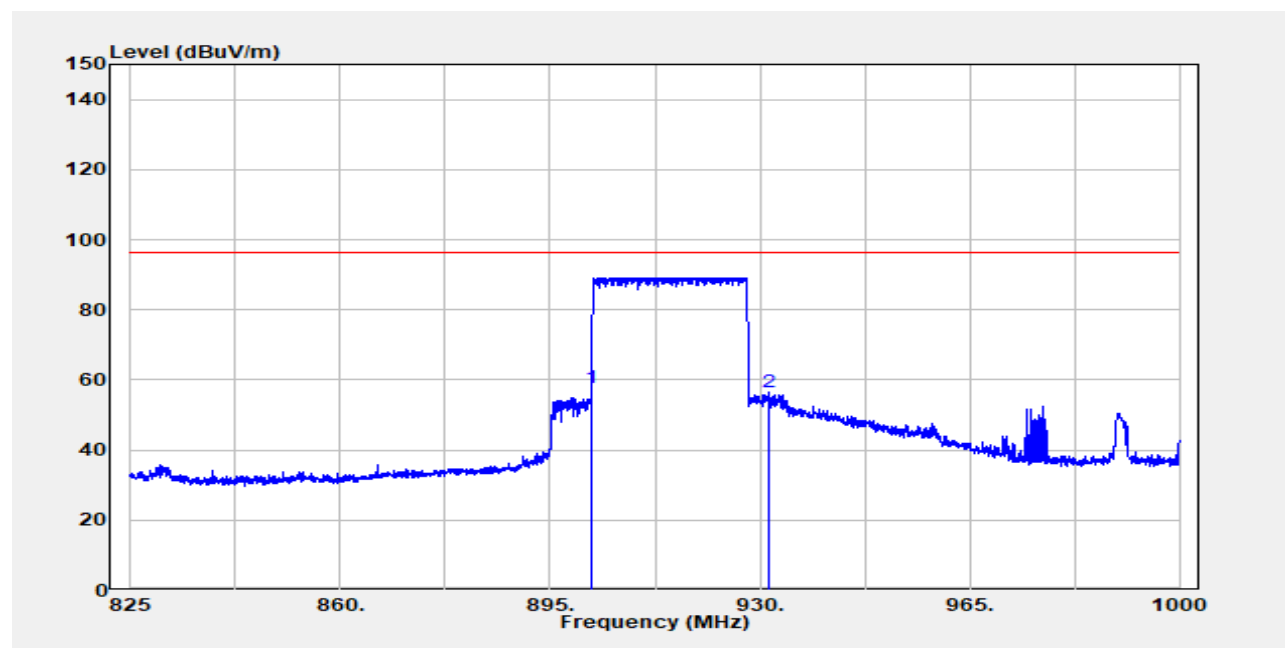
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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps Hopping
 Test Frequency :902.2-927.8 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



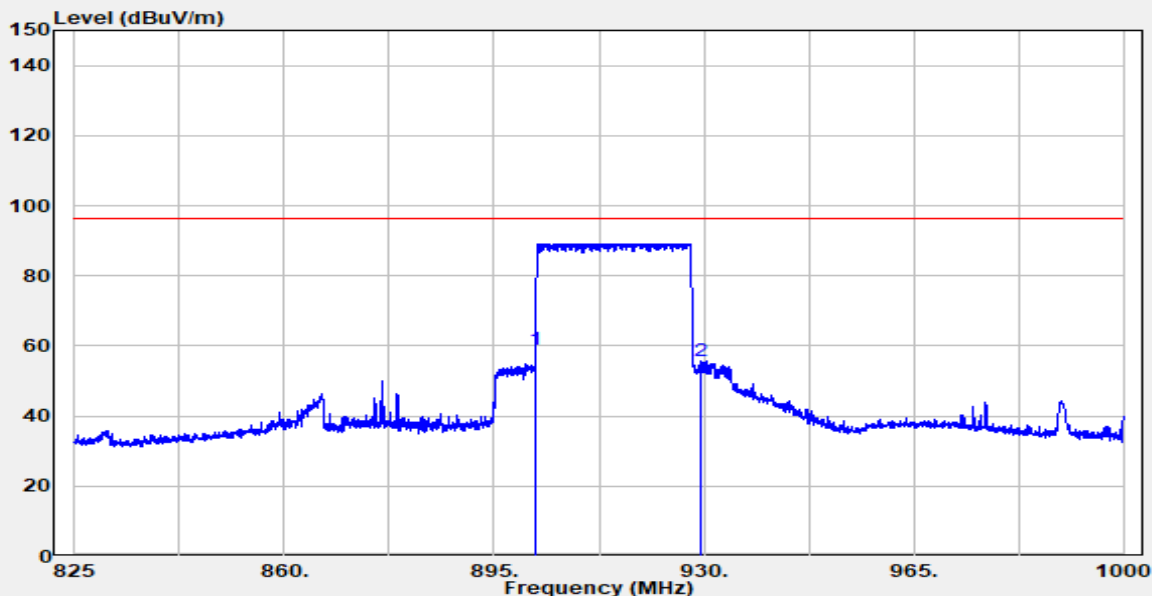
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
901.97	Peak	62.93	-5.31	57.62	96.34	-38.72
931.61	Peak	61.17	-4.69	56.48	96.34	-39.86

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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps Hopping
 Test Frequency :902.2-927.8 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
901.97	Peak	64.29	-5.31	58.98	96.52	-37.54
929.39	Peak	60.39	-4.73	55.66	96.52	-40.86

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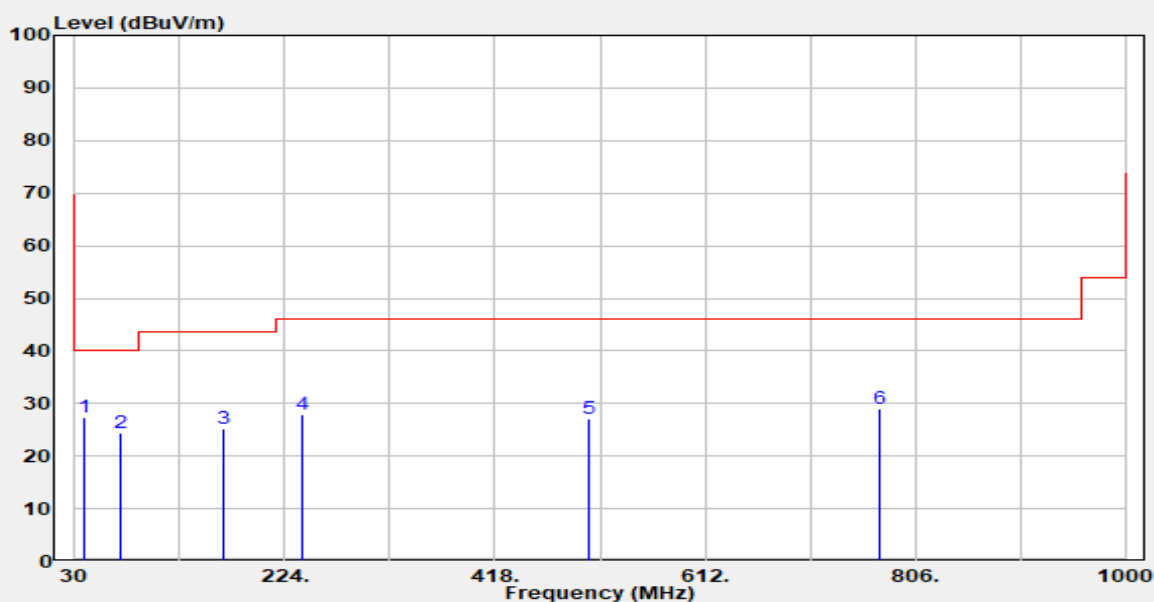
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14.7.3 Radiated Spurious Emission

Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :914.8 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-04-28
 Temp./Humi. :20.3°C/61%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



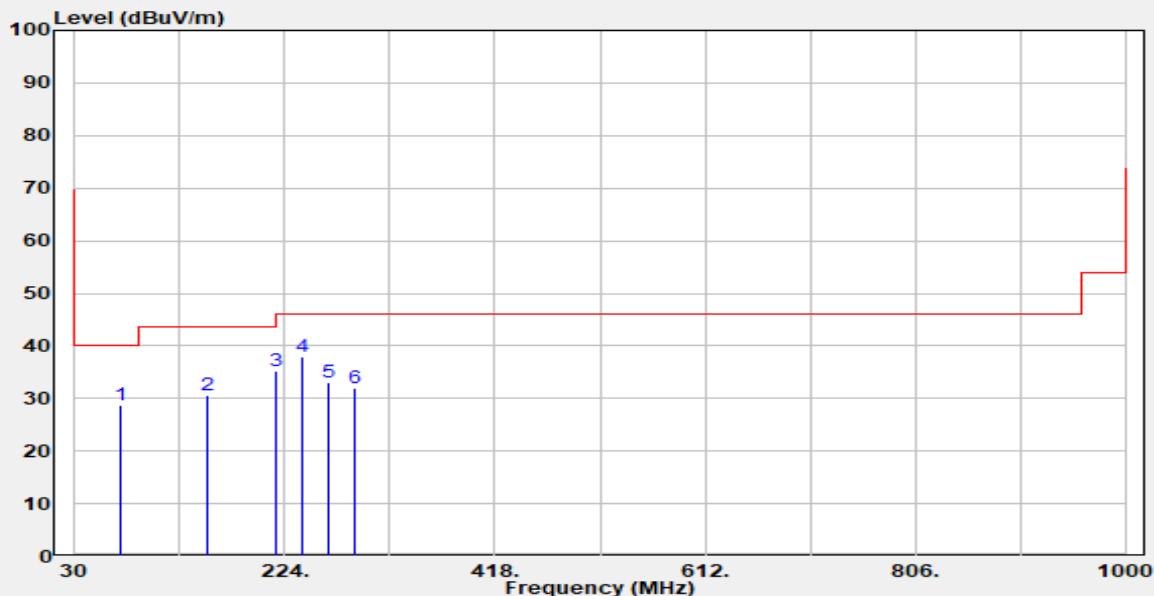
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38.73	Peak	45.71	-18.32	27.39	40.00	-12.61
71.71	Peak	44.00	-19.74	24.26	40.00	-15.74
167.74	Peak	41.99	-16.77	25.22	43.50	-18.28
239.52	Peak	46.15	-18.25	27.90	46.00	-18.10
504.33	Peak	38.49	-11.40	27.09	46.00	-18.91
773.02	Peak	35.42	-6.44	28.98	46.00	-17.02

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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :914.8 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-04-28
 Temp./Humi. :20.3°C/61%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
71.71	Peak	48.42	-19.74	28.68	40.00	-11.32
153.19	Peak	47.21	-16.69	30.52	43.50	-12.98
216.24	Peak	55.11	-19.92	35.19	46.00	-10.81
240.49	Peak	56.09	-18.18	37.91	46.00	-8.09
263.77	Peak	50.55	-17.40	33.15	46.00	-12.85
288.02	Peak	48.47	-16.38	32.09	46.00	-13.91

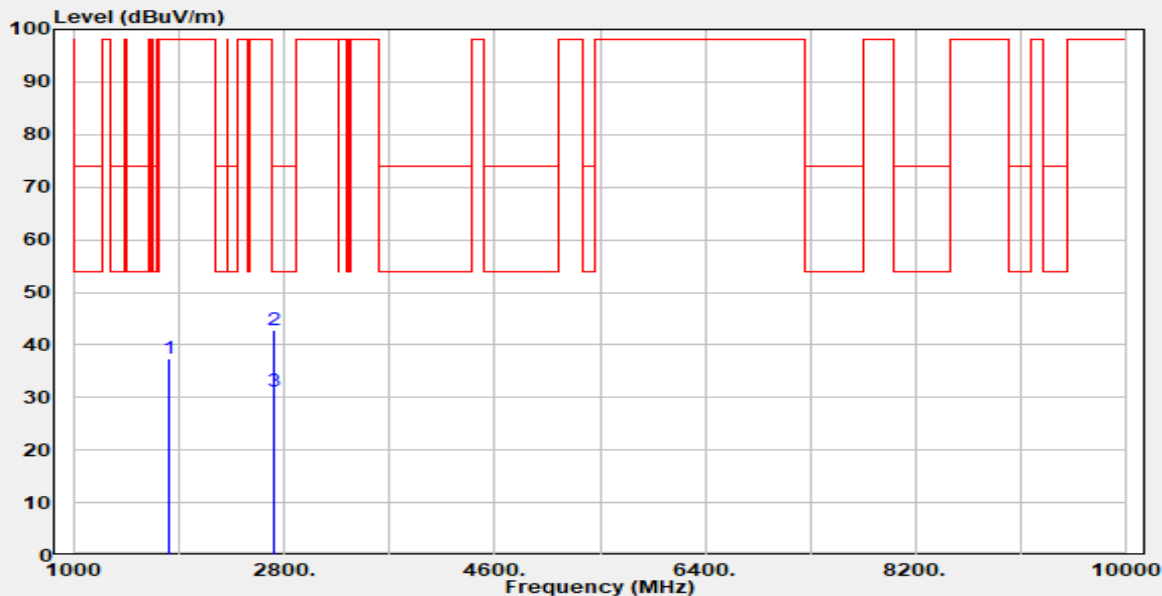
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Report Number :TERF2501000108E2
Operation Mode :FSK 50kbps
Test Frequency :902.2 MHz
Test Mode :Tx
EUT Pol :E1 Plane

Test Site :SAC D
Test Date :2025-01-08
Temp./Humi. :20.8°C/54%
Antenna Pol. :Vertical
Engineer :Temo Chen



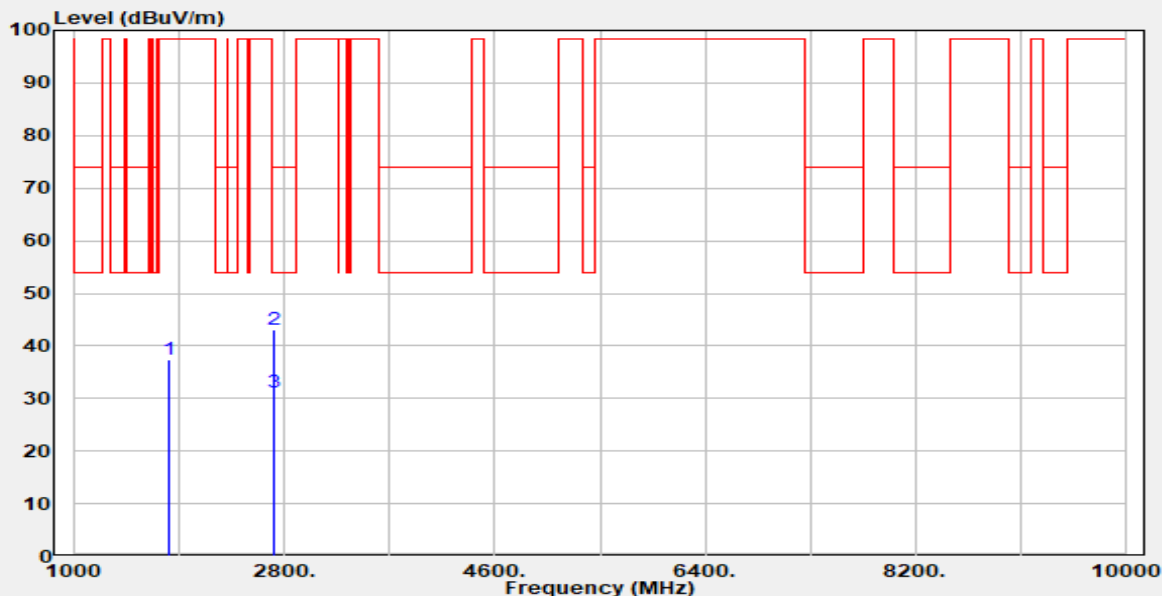
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
1804.40	Peak	37.85	-0.39	37.46	98.09	-60.63
2706.60	Peak	39.04	3.71	42.75	74.00	-31.25
2706.60	Average	27.43	3.71	31.14	54.00	-22.86

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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :902.2 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 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
1804.40	Peak	37.84	-0.39	37.45	98.25	-60.80
2706.60	Peak	39.37	3.71	43.08	74.00	-30.92
2706.60	Average	27.42	3.71	31.13	54.00	-22.87

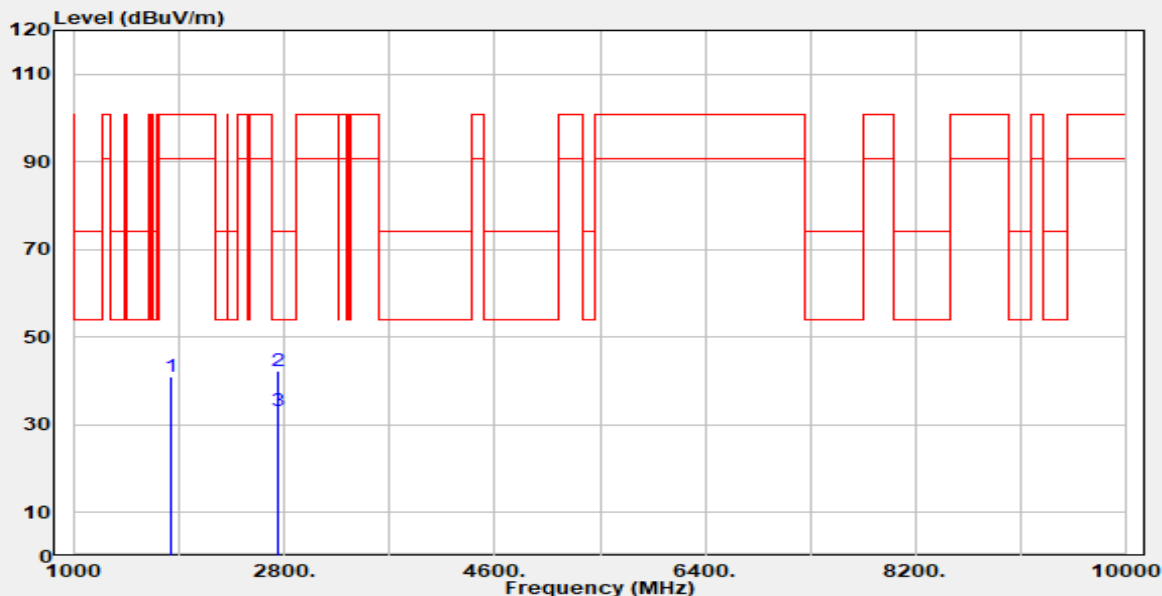
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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :914.8 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



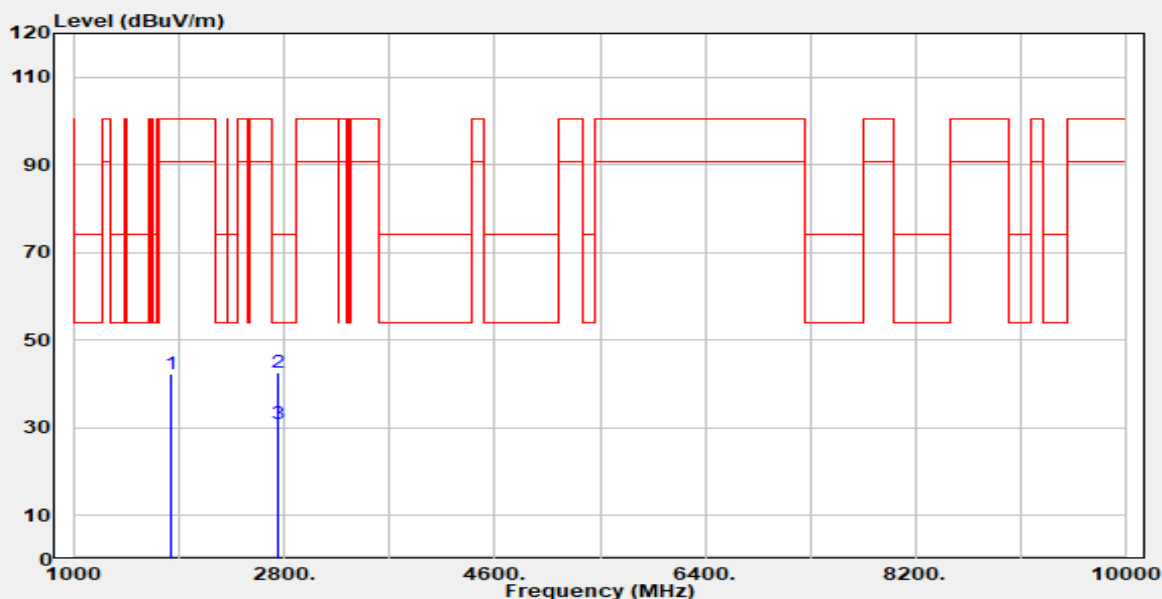
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
1829.60	Peak	41.16	-0.27	40.89	100.88	-59.99
2744.40	Peak	38.53	3.83	42.36	74.00	-31.64
2744.40	Average	29.43	3.83	33.26	54.00	-20.74

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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :914.8 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



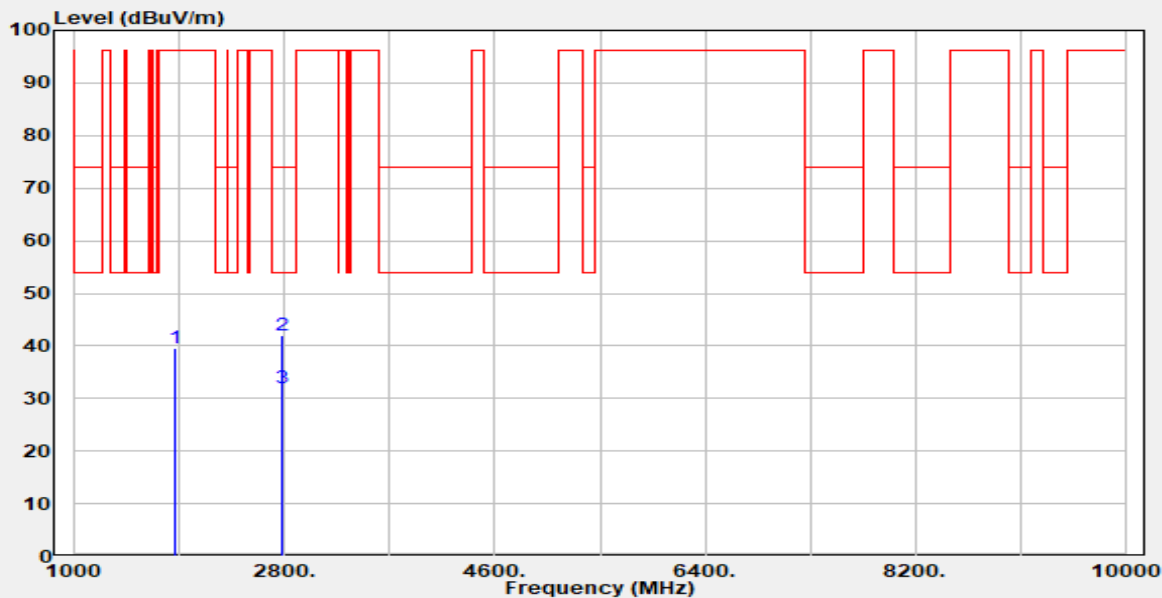
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
1829.60	Peak	42.65	-0.27	42.38	100.65	-58.27
2744.40	Peak	38.89	3.83	42.72	74.00	-31.28
2744.40	Average	27.09	3.83	30.92	54.00	-23.08

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Report Number :TERF2501000108E2
Operation Mode :FSK 50kbps
Test Frequency :927.8 MHz
Test Mode :Tx
EUT Pol :E1 Plane

Test Site :SAC D
Test Date :2025-01-08
Temp./Humi. :20.8°C/54%
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
1855.60	Peak	39.63	0.02	39.65	96.34	-56.69
2783.40	Peak	37.73	4.23	41.96	74.00	-32.04
2783.40	Average	27.69	4.23	31.92	54.00	-22.08

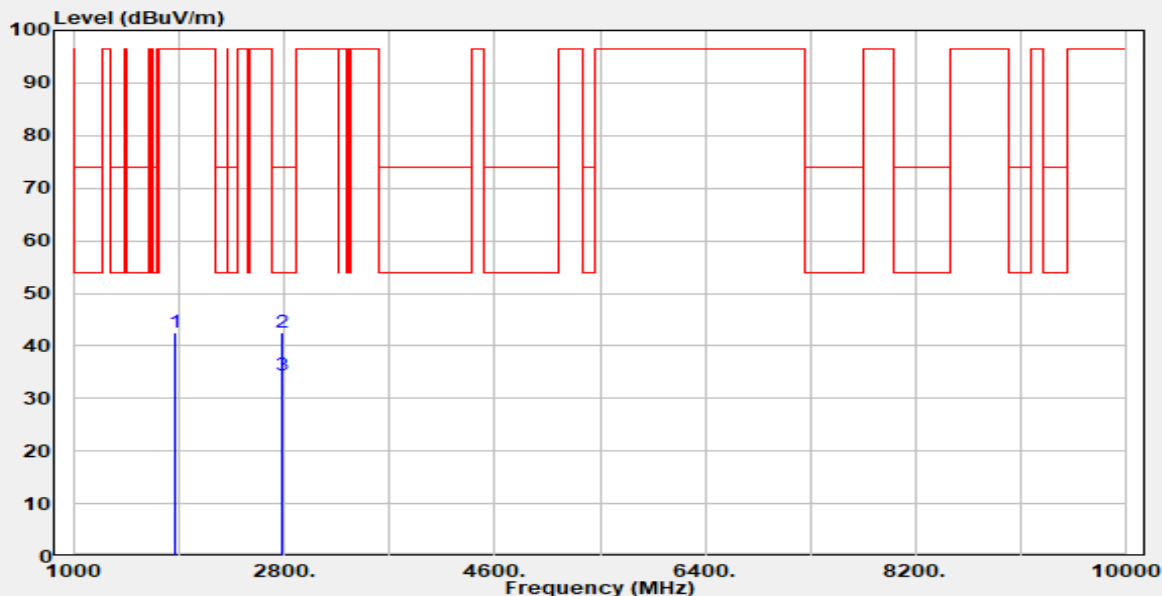
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Report Number :TERF2501000108E2
 Operation Mode :FSK 50kbps
 Test Frequency :927.8 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC D
 Test Date :2025-01-08
 Temp./Humi. :20.8°C/54%
 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
1855.60	Peak	42.63	0.02	42.65	96.52	-53.87
2783.40	Peak	38.43	4.23	42.66	74.00	-31.34
2783.40	Average	30.11	4.23	34.34	54.00	-19.66

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15 ANTENNA REQUIREMENT

15.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

15.2 Antenna Connected Construction:

The antenna complies with this requirement and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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