

**ELECTROMAGNETIC EMISSIONS  
COMPLIANCE REPORT**

**Applicant:** HP Inc.  
1501 Page Mill Road, Palo Alto CA 94304 USA  
**Manufacturer:** HP Inc.  
1501 Page Mill Road, Palo Alto CA 94304 USA  
**Product Name:** Notebook Computer  
**Brand Name:** HP  
**Model No.:** HSN-I62C  
**Report Number:** TERF2412003861ER  
**FCC ID** B94HNI62PAR  
**Date of EUT Received:** November 29, 2024  
**Date of Test:** December 3, 2024~December 31, 2024  
**Issue Date:** February 5, 2025

Alex Hsieh

**Approved By** \_\_\_\_\_

**Alex Hsieh**

**We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27C & 90S.

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
TERF2412003861ER	00	Original	February 5, 2025	Karen Huang	

**Note:**

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

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## 1 GENERAL PRODUCT INFORMATION

### 1.1 Product Description

Product Name:	Notebook Computer
Brand Name:	HP
Model No.:	HSN-I62C
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	0004770LN9
Integrated WWAN Module	Brand Name: THINGSX Model Name: TX520-GL
Power Supply:	5 / 9 / 12 / 15 / 20Vdc from adapter or 11.58Vdc from battery
Test Software (Name/Version)	Default(connection with call box)

### 1.2 Frequency Range

CAT-M1 Band 2			
BW (MHz)	Operation Frequency (MHz)		
1.4	1850.7	-	1909.3
3	1851.5	-	1908.5
5	1852.5	-	1907.5
10	1855.0	-	1905.0
15	1857.5	-	1902.5
20	1860.0	-	1900.0
CAT-M1 Band 4			
BW (MHz)	Operation Frequency (MHz)		
1.4	1710.7	-	1754.3
3	1711.5	-	1753.5
5	1712.5	-	1752.5
10	1715.0	-	1750.0
15	1717.5	-	1747.5
20	1720.0	-	1745.0

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CAT-M1 Band 5			
BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3
3	825.5	-	847.5
5	826.5	-	846.5
10	829.0	-	844.0
CAT-M1 Band 12			
BW (MHz)	Operation Frequency (MHz)		
1.4	699.7	-	715.3
3	700.5	-	714.5
5	701.5	-	713.5
10	704.0	-	711.0
CAT-M1 Band 13			
BW (MHz)	Operation Frequency (MHz)		
5	779.5	-	784.5
10	782.0		
CAT-M1 Band 14			
BW (MHz)	Operation Frequency (MHz)		
5	790.5	-	795.5
10	793.0		
CAT-M1 Band 25			
BW (MHz)	Operation Frequency (MHz)		
1.4	1850.7	-	1914.3
3	1851.5	-	1913.5
5	1852.5	-	1912.5
10	1855.0	-	1910.0
15	1857.5	-	1907.5
20	1860.0	-	1905.0

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CAT-M1 Band 26 Part 90			
BW (MHz)	Operation Frequency (MHz)		
1.4	814.7	-	823.3
3	815.5	-	822.5
5	816.5	-	821.5
10	819.0		
CAT-M1 Band 26			
BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3
3	825.5	-	847.5
5	826.5	-	846.5
10	829.0	-	844.0
15	831.5	-	841.5
CAT-M1 Band 66			
BW (MHz)	Operation Frequency (MHz)		
1.4	1710.7	-	1779.3
3	1711.5	-	1778.5
5	1712.5	-	1777.5
10	1715.0	-	1775.0
15	1717.5	-	1772.5
20	1720.0	-	1770.0
CAT-M1 Band 85			
BW (MHz)	Operation Frequency (MHz)		
5	700.5	-	713.5
10	703.0	-	711.0

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### 1.3 Antenna Designation

Antenna Type	Supplier	Antenna Model No.	NB / TB Mode	Remark
PIFA	Vendor 1	6036B0370401 (00-330270505L)	NB	Ant0
		6036B0370401 (00-330270505L)	TB	Ant1
	Vendor 2	6036B0366201 (81ELBF15.G36)	NB	Ant2
		6036B0366201 (81ELBF15.G36)	TB	Ant3
Note: Transmission frequencies in this test report are only available by the above antenna(s).				

Band	Frequency (MHz)	Peak Antenna Gain (dBi)			
		Ant0	Ant1	Ant2	Ant3
2	1850 ~ 1910	-0.61	-2.73	-1.4	-4.44
4	1710 ~ 1755	-1.21	-3.53	-2.5	-4.64
5	824 ~ 849	0.74	-3.96	-1.93	-5.75
12	699 ~ 716	0.58	-7.17	-0.18	-3.8
13	777 ~ 787	0.91	-4.48	-1.38	-6.49
14	788 ~ 798	0.54	-4.82	-2.7	-8.01
25	1850 ~ 1915	-0.61	-2.73	-1.4	-4.44
26	824 ~ 849	0.74	-3.96	-1.93	-5.75
26 Part 90	814 ~ 824	0.74	-3.96	-1.93	-5.75
66	1710 ~ 1780	-0.23	-3.27	-2.5	-4.08
85	698 ~ 716	0.58	-7.17	-0.18	-3.8

**Note:** Antenna information is provided by the applicant.

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#### 1.4 Max ERP/EIRP Power Measurement Result:

CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
2	1.4	1850.7	1909.3	QPSK	18.60	EIRP	0.072
				16QAM	17.45	EIRP	0.056
2	3	1851.5	1908.5	QPSK	18.56	EIRP	0.072
				16QAM	17.78	EIRP	0.060
2	5	1852.5	1907.5	QPSK	18.93	EIRP	0.078
				16QAM	18.49	EIRP	0.071
2	10	1855.0	1905.0	QPSK	19.00	EIRP	0.079
				16QAM	18.56	EIRP	0.072
2	15	1857.5	1902.5	QPSK	19.00	EIRP	0.079
				16QAM	18.58	EIRP	0.072
2	20	1860.0	1900.0	QPSK	19.77	EIRP	<b>0.095</b>
				16QAM	19.25	EIRP	<b>0.084</b>
CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
4	1.4	1710.7	1754.3	QPSK	19.44	EIRP	0.088
				16QAM	18.54	EIRP	0.071
4	3	1711.5	1753.5	QPSK	19.35	EIRP	0.086
				16QAM	18.36	EIRP	0.069
4	5	1712.5	1752.5	QPSK	19.62	EIRP	0.092
				16QAM	19.39	EIRP	<b>0.087</b>
4	10	1715.0	1750.0	QPSK	19.62	EIRP	0.092
				16QAM	19.29	EIRP	0.085
4	15	1717.5	1747.5	QPSK	19.63	EIRP	<b>0.092</b>
				16QAM	18.48	EIRP	0.070
4	20	1720.0	1745.0	QPSK	19.59	EIRP	0.091
				16QAM	18.50	EIRP	0.071

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CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
5	1.4	824.7	848.3	QPSK	18.84	ERP	0.077
				16QAM	17.82	ERP	0.061
5	3	825.5	847.5	QPSK	18.61	ERP	0.073
				16QAM	17.72	ERP	0.059
5	5	826.5	846.5	QPSK	19.00	ERP	0.079
				16QAM	18.74	ERP	0.075
5	10	829.0	844.0	QPSK	19.01	ERP	<b>0.080</b>
				16QAM	18.78	ERP	<b>0.076</b>
CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
12	1.4	699.7	715.3	QPSK	18.69	ERP	0.074
				16QAM	17.60	ERP	0.058
12	3	700.5	714.5	QPSK	18.66	ERP	0.073
				16QAM	17.59	ERP	0.057
12	5	701.5	713.5	QPSK	18.84	ERP	0.077
				16QAM	18.57	ERP	0.072
12	10	704.0	711.0	QPSK	18.85	ERP	<b>0.077</b>
				16QAM	18.58	ERP	<b>0.072</b>
CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
13	5	779.5	784.5	QPSK	19.03	ERP	<b>0.080</b>
				16QAM	18.61	ERP	0.073
13	10	782.0	782.0	QPSK	19.00	ERP	0.079
				16QAM	18.67	ERP	<b>0.074</b>
CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
14	5	790.5	795.5	QPSK	18.73	ERP	0.075
				16QAM	18.38	ERP	<b>0.069</b>
14	10	793.0	793.0	QPSK	18.74	ERP	<b>0.075</b>
				16QAM	18.29	ERP	0.067

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CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
25	1.4	1850.7	1914.3	QPSK	19.84	EIRP	0.096
				16QAM	18.65	EIRP	0.073
25	3	1851.5	1913.5	QPSK	19.72	EIRP	0.094
				16QAM	18.71	EIRP	0.074
25	5	1852.5	1912.5	QPSK	20.20	EIRP	0.105
				16QAM	19.53	EIRP	0.090
25	10	1855.0	1910.0	QPSK	20.23	EIRP	0.105
				16QAM	19.54	EIRP	0.090
25	15	1857.5	1907.5	QPSK	20.21	EIRP	0.105
				16QAM	20.01	EIRP	<b>0.100</b>
25	20	1860.0	1905.0	QPSK	20.26	EIRP	<b>0.106</b>
				16QAM	19.73	EIRP	0.094
CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
26	1.4	824.7	848.3	QPSK	18.60	ERP	0.072
				16QAM	17.65	ERP	0.058
26	3	825.5	847.5	QPSK	18.54	ERP	0.071
				16QAM	17.63	ERP	0.058
26	5	826.5	846.5	QPSK	19.08	ERP	0.081
				16QAM	18.75	ERP	0.075
26	10	829.0	844.0	QPSK	19.15	ERP	<b>0.082</b>
				16QAM	18.75	ERP	0.075
26	15	831.5	841.5	QPSK	19.11	ERP	0.081
				16QAM	18.80	ERP	<b>0.076</b>
CAT-M1 Band	BW	Frequency		Modulation	Conducted (dBm)		(W)
26 Part	1.4	814.7	823.3	QPSK	18.70	ERP	0.074
				16QAM	17.84	ERP	0.061
26 Part	3	815.5	822.5	QPSK	18.66	ERP	0.073
				16QAM	18.53	ERP	0.071
26 Part	5	816.5	821.5	QPSK	18.96	ERP	0.079
				16QAM	18.75	ERP	0.075
26 Part	10	819.0	819.0	QPSK	19.15	ERP	<b>0.082</b>
				16QAM	18.80	ERP	<b>0.076</b>

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CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
66	1.4	1710.7	1779.3	QPSK	20.02	EIRP	0.100
				16QAM	19.05	EIRP	0.080
66	3	1711.5	1778.5	QPSK	19.81	EIRP	0.096
				16QAM	19.68	EIRP	0.093
66	5	1712.5	1777.5	QPSK	20.18	EIRP	0.104
				16QAM	19.87	EIRP	0.097
66	10	1715.0	1775.0	QPSK	20.18	EIRP	0.104
				16QAM	19.91	EIRP	0.098
66	15	1717.5	1772.5	QPSK	20.20	EIRP	0.105
				16QAM	20.03	EIRP	0.101
66	20	1720.0	1770.0	QPSK	20.21	EIRP	<b>0.105</b>
				16QAM	20.06	EIRP	<b>0.101</b>
CAT-M1 Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
85	5	700.5	713.5	QPSK	18.93	ERP	0.078
				16QAM	18.79	ERP	0.076
85	10	703.0	711.0	QPSK	18.94	ERP	<b>0.078</b>
				16QAM	18.82	ERP	<b>0.076</b>

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## 1.5 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C, Part 90.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

TS 151 010-1 is used to set, and measure the output power.

## 1.6 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.

## 1.7 Special Accessories

No special accessories were used during testing.

## 1.8 Equipment Modifications

There was no modifications incorporated into the EUT.

## 1.9 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 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

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

### 2.3 Test Procedure

#### 2.3.1 Conducted Measurement at Antenna Port

The EUT is placed on a table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

#### 2.3.2 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above 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

#### 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.

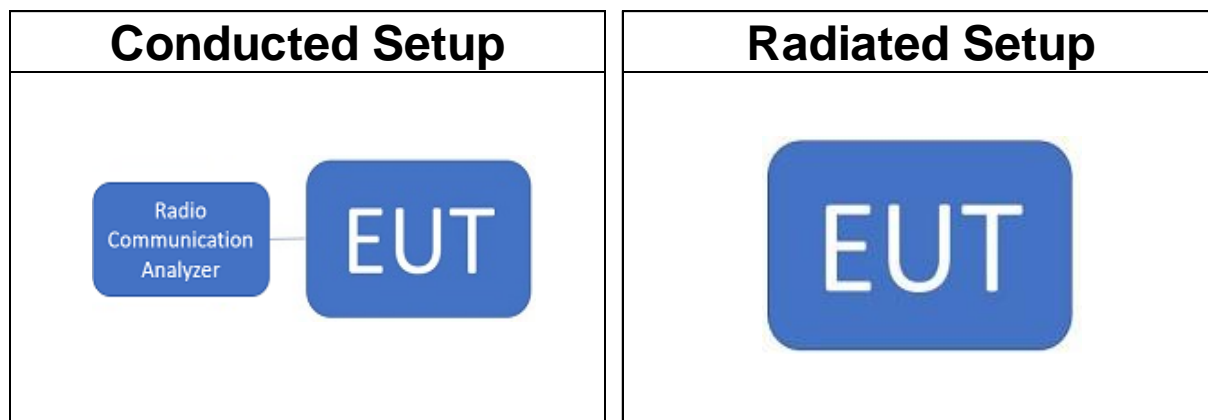
#### Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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## 2.5 Test Configuration



**Note:** Radio Communication Analyzer is placed in remote side for radiated test.

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### 3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c) §27.50(b)(10) §27.50(c)(10) §27.50(d)(4) §90.542(a)(7) §90.635(b)	ERP/ EIRP measurement	Compliant
§2.1053 §2.1057(a)(1) §22.917(a)(b) §24.238(a)(b) §27.53(c)(2)~(6) §27.53(f) §27.53(g) §27.53(h) §27.53(h)(1)&(3) §90.691(a) §90.543(e)(2)~(5) §90.543 (f)	Field Strength of Spurious Radiation	Compliant

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## 4 DESCRIPTION OF TEST MODES

### 4.1 The Worst Test Modes and Configuration

1. The EUT has been tested under operating condition.
2. 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.

Test Items				Max. Output Power										
Band	Test Channel			Bandwidth (MHz)						Modulation		RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full
2	V	V	V	V	V	V	V	V	V	V	V	V	V	V
4	V	V	V	V	V	V	V	V	V	V	V	V	V	V
5	V	V	V	V	V	V	V	-	-	V	V	V	V	V
12	V	V	V	V	V	V	V	-	-	V	V	V	V	V
13	V	V	V	-	-	V	V	-	-	V	V	V	V	V
14	V	V	V	-	-	V	V	-	-	V	V	V	V	V
25	V	V	V	V	V	V	V	V	V	V	V	V	V	V
26	V	V	V	V	V	V	V	V	-	V	V	V	V	V
26 P90	V	V	V	V	V	V	V	-	-	V	V	V	V	V
66	V	V	V	V	V	V	V	V	V	V	V	V	V	V
85	V	V	V	-	-	V	V	-	-	V	V	V	V	V

Test Items				Radiated Emission										
Band	Test Channel			Bandwidth (MHz)						Modulation		RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full
2	V	V	V	-	-	-	-	-	V	V	-	V	-	-
4	V	V	V	-	-	-	-	V	-	V	-	V	-	-
5	V	V	V	-	-	-	V	-	-	V	-	V	-	-
12	V	V	V	-	-	-	V	-	-	V	-	V	-	-
13	V	V	V	-	-	V	-	-	-	V	-	V	-	-
14	-	V	-	-	-	-	V	-	-	V	-	V	-	-
25	V	V	V	-	-	-	-	-	V	V	-	V	-	-
26	V	V	V	-	-	-	V	-	-	V	-	V	-	-
26 P90	-	V	-	-	-	-	V	-	-	V	-	V	-	-
66	V	V	V	-	-	-	-	-	V	V	-	V	-	-
85	V	V	V	-	-	-	V	-	-	V	-	V	-	-

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## 5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 0.97 dB
ERP/ EIRP measurement	+/- 2.15 dB
	+/- 2.15 dB
Emission Bandwidth	+/- 1.38 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.77 dB
Peak to Average Ratio	+/- 0.97 dB
Frequency Stability vs. Temperature	+/- 1.48 Hz
Frequency Stability vs. Voltage	+/- 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
	+/-	4.15 dB	30MHz - 1000MHz
	+/-	3.43 dB	1GHz - 18GHz
	+/-	3.86 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89 dB	9kHz~30MHz
	+/-	4.02 dB	30MHz - 1000MHz
	+/-	3.43 dB	1GHz - 18GHz
	+/-	3.86 dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2 dB	33GHz-50GHz
	+/-	1.59 dB	50GHz-60GHz
	+/-	1.7 dB	60GHz-90GHz
	+/-	1.64 dB	90GHz-140GHz
	+/-	3.83 dB	140GHz-220GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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## 6 MEASUREMENT EQUIPMENT USED

### 6.1 Conducted Measurement

Conducted Emission Test Site: Conducted 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	Anritsu	MT8821C	6262044751	11/04/2024	11/03/2025

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## 6.2 Radiated Measurement

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
1G High Pass Filter	Micro-Tronics	HPM50108	32	12/11/2024	12/10/2025
2G High Pass Filter	Micro-Tronics	HPM50110	36	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	16	12/11/2024	12/10/2025
Band Reject Filter 1700-2000	EWT	EWT-54-0038	M1	12/11/2024	12/10/2025
Band Reject Filter 800-1000	EWT	EWT-54-0037	M3R	12/11/2024	12/10/2025
Band Reject Filter 635-920	Titan	T04N63592050S01	23040703-4	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/17/2024	07/16/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/09/2024	08/08/2025
Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/4 PEA+221106+76096 /6)	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/ 2	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102+SUCOFLEX 106	TX Cable 30M-40G 23051/2+76096/6+2 2962/2	08/30/2024	08/29/2025
EMI Test Receiver	R&S	ESCI 7	100759	08/28/2024	08/27/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/06/2024	02/05/2025
Horn Antenna	Schwarzbeck	BBHA9170	185	08/15/2024	08/14/2025
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/10/2024	07/09/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	09/23/2024	09/22/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/15/2024	05/14/2025
Network Analyzer	R&S	ZNB 40	101842	05/16/2024	05/15/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980868	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC184045SEE	9080939	08/30/2024	08/29/2025
Pre-Amplifier	HP	8447D	2944A07676	08/30/2024	08/29/2025
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/23/2024	08/22/2025
Site Cal	SGS	SAC 3	N/A	08/30/2024	08/29/2025
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 MAXIMUM OUTPUT POWER

### 7.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

### 7.2 FCC ERP/EIRP LIMIT

According to FCC §2.1046

#### FCC 22.913(a)

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

#### FCC 24.232(c)

Mobile and portable stations are limited to 2 W EIRP.

#### FCC 27.50 (b)

(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

#### FCC 27.50(c)

(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

#### FCC 27.50(d)

(4) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz, 1695-1710 MHz and 1755-1780 MHz bands are limited to 1W EIRP.

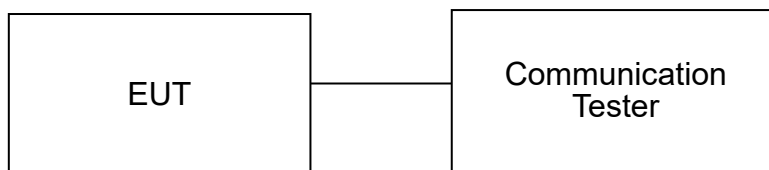
#### FCC 90.542(a)

(7) Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

#### FCC 90.635(b)

Mobile station is limited to 100W ERP

### 7.3 Test Set-up



**Note:** Measurement setup for testing on Antenna connector

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## 7.4 Output Power Measurement Applicable Guidance

The transmitter output was connected to a communication tester. Transmitter output was read off the communication tester in dBm. The power output at the transmitter antenna port was determined by the communication tester reading.

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCDMA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results. All bands conducted average power is obtained from the simulator telecommunication test set.

## 7.5 Determining ERP and/or EIRP from conducted RF output power measurements

$$ERP/EIRP = P_{Meas} + GT-LC$$

Where:

ERP/EIRP	= effective or equivalent radiated power, respectively (expressed in the same units as P <sub>Meas</sub> , typically dBW or dBm);
P <sub>Meas</sub>	= measured transmitter output power or PSD, in dBm or dBW;
GT	= gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)
LC	= signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

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## 7.6 Measurement Result

CAT-M1 Band 2 Uplink frequency band : 1850 to 1910 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	18607	1850.7	QPSK	1	0	0	19.14	18.53	33	-14.47
				6	0	0	16.99	16.38	33	-16.62
	18900	1880	QPSK	1	0	0	19.21	<b>18.60</b>	33	-14.40
				6	0	0	16.83	16.22	33	-16.78
	19193	1909.3	QPSK	1	5	0	18.68	18.07	33	-14.93
				6	0	0	16.79	16.18	33	-16.82
	18607	1850.7	16QAM	1	0	0	17.96	17.35	33	-15.65
				5	0	0	16.96	16.35	33	-16.65
	18900	1880	16QAM	1	0	0	18.06	<b>17.45</b>	33	-15.55
				5	0	0	16.82	16.21	33	-16.79
	19193	1909.3	16QAM	1	5	0	17.68	17.07	33	-15.93
				5	0	0	16.68	16.07	33	-16.93
CAT-M1 Band 2 Uplink frequency band : 1850 to 1910 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	18615	1851.5	QPSK	1	0	0	19.17	<b>18.56</b>	33	-14.44
				6	0	0	17.02	16.41	33	-16.59
	18900	1880	QPSK	1	0	0	19.17	<b>18.56</b>	33	-14.44
				6	0	0	16.98	16.37	33	-16.63
	19185	1908.5	QPSK	1	5	1	17.94	17.33	33	-15.67
				6	0	1	16.81	16.20	33	-16.80
	18615	1851.5	16QAM	1	0	0	18.09	17.48	33	-15.52
				5	0	0	16.99	16.38	33	-16.62
	18900	1880	16QAM	1	0	0	18.39	<b>17.78</b>	33	-15.22
				5	0	0	16.83	16.22	33	-16.78
	19185	1908.5	16QAM	1	5	1	17.70	17.09	33	-15.91
				6	0	1	16.76	16.15	33	-16.85
CAT-M1 Band 2 Uplink frequency band : 1850 to 1910 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	18625	1852.5	QPSK	1	0	0	19.53	18.92	33	-14.08
				6	0	0	18.19	17.58	33	-15.42
	18900	1880	QPSK	1	0	0	19.51	18.90	33	-14.10
				6	0	0	19.54	<b>18.93</b>	33	-14.07
	19175	1907.5	QPSK	1	5	3	19.11	18.50	33	-14.50
				6	0	3	18.43	17.82	33	-15.18
	18625	1852.5	16QAM	1	0	0	19.10	<b>18.49</b>	33	-14.51
				5	0	0	18.01	17.40	33	-15.60
	18900	1880	16QAM	1	0	0	19.10	<b>18.49</b>	33	-14.51
				5	0	0	17.91	17.30	33	-15.70
	19175	1907.5	16QAM	1	5	3	18.31	17.70	33	-15.30
				5	0	3	17.89	17.28	33	-15.72

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CAT-M1 Band 2 Uplink frequency band : 1850 to 1910 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855	QPSK	1	0	0	19.55	18.94	33	-14.06
				6	0	0	19.32	18.71	33	-14.29
	18900	1880	QPSK	1	0	0	19.58	18.97	33	-14.03
				6	0	0	19.33	18.72	33	-14.28
	19150	1905	QPSK	1	5	7	19.61	19.00	33	-14.00
				6	0	7	19.48	18.87	33	-14.13
	18650	1855	16QAM	1	0	0	18.99	18.38	33	-14.62
				5	0	0	17.96	17.35	33	-15.65
	18900	1880	16QAM	1	0	0	19.17	18.56	33	-14.44
				5	0	0	17.89	17.28	33	-15.72
	19150	1905	16QAM	1	5	7	19.05	18.44	33	-14.56
				5	0	7	17.87	17.26	33	-15.74
CAT-M1 Band 2 Uplink frequency band : 1850 to 1910 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	18675	1857.5	QPSK	1	0	0	19.56	18.95	33	-14.05
				6	0	0	19.32	18.71	33	-14.29
	18900	1880	QPSK	1	0	0	19.52	18.91	33	-14.09
				6	0	0	19.26	18.65	33	-14.35
	19125	1902.5	QPSK	1	5	11	19.61	19.00	33	-14.00
				6	0	11	19.47	18.86	33	-14.14
	18675	1857.5	16QAM	1	0	0	19.15	18.54	33	-14.46
				5	0	0	18.93	18.32	33	-14.68
	18900	1880	16QAM	1	0	0	19.09	18.48	33	-14.52
				5	0	0	19.04	18.43	33	-14.57
	19125	1902.5	16QAM	1	5	11	19.10	18.49	33	-14.51
				5	0	11	19.19	18.58	33	-14.42
CAT-M1 Band 2 Uplink frequency band : 1850 to 1910 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860	QPSK	1	0	0	20.38	19.77	33	-13.23
				6	0	0	19.65	19.04	33	-13.96
	18900	1880	QPSK	1	0	0	20.10	19.49	33	-13.51
				6	0	0	19.99	19.38	33	-13.62
	19100	1900	QPSK	1	5	15	20.19	19.58	33	-13.42
				6	0	15	20.15	19.54	33	-13.46
	18700	1860	16QAM	1	0	0	19.86	19.25	33	-13.75
				5	0	0	19.30	18.69	33	-14.31
	18900	1880	16QAM	1	0	0	19.55	18.94	33	-14.06
				5	0	0	19.29	18.68	33	-14.32
	19100	1900	16QAM	1	5	15	19.55	18.94	33	-14.06
				5	0	15	19.48	18.87	33	-14.13

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	19957	1710.7	QPSK	1	0	0	20.18	18.97	30	-11.03
				6	0	0	18.01	16.80	30	-13.20
	20175	1732.5	QPSK	1	0	0	20.65	19.44	30	-10.56
				6	0	0	18.61	17.40	30	-12.60
	20393	1754.3	QPSK	1	5	0	20.53	19.32	30	-10.68
				6	0	0	18.76	17.55	30	-12.45
	19957	1710.7	16QAM	1	0	0	19.07	17.86	30	-12.14
				5	0	0	17.98	16.77	30	-13.23
	20175	1732.5	16QAM	1	0	0	19.59	18.38	30	-11.62
				5	0	0	18.54	17.33	30	-12.67
	20393	1754.3	16QAM	1	5	0	19.75	18.54	30	-11.46
				5	0	0	18.75	17.54	30	-12.46

CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	19965	1711.5	QPSK	1	0	0	20.02	18.81	30	-11.19
				6	0	0	17.88	16.67	30	-13.33
	20175	1732.5	QPSK	1	0	0	20.37	19.16	30	-10.84
				6	0	0	18.48	17.27	30	-12.73
	20385	1753.5	QPSK	1	5	1	20.56	19.35	30	-10.65
				6	0	1	18.56	17.35	30	-12.65
	19965	1711.5	16QAM	1	0	0	18.94	17.73	30	-12.27
				5	0	0	17.82	16.61	30	-13.39
	20175	1732.5	16QAM	1	0	0	19.48	18.27	30	-11.73
				5	0	0	18.36	17.15	30	-12.85
	20385	1753.5	16QAM	1	5	1	19.57	18.36	30	-11.64
				5	0	1	18.55	17.34	30	-12.66

CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	19975	1712.5	QPSK	1	0	0	20.39	19.18	30	-10.82
				6	0	0	19.11	17.90	30	-12.10
	20175	1732.5	QPSK	1	0	0	20.69	19.48	30	-10.52
				6	0	0	19.53	18.32	30	-11.68
	20375	1752.5	QPSK	1	5	3	20.83	19.62	30	-10.38
				6	0	3	19.92	18.71	30	-11.29
	19975	1712.5	16QAM	1	0	0	20.02	18.81	30	-11.19
				5	0	0	18.75	17.54	30	-12.46
	20175	1732.5	16QAM	1	0	0	20.39	19.18	30	-10.82
				5	0	0	19.34	18.13	30	-11.87
	20375	1752.5	16QAM	1	5	3	20.60	19.39	30	-10.61
				5	0	3	19.69	18.48	30	-11.52

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CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
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10	20000	1715	QPSK	1	0	0	20.38	19.17	30	-10.83
				6	0	0	20.33	19.12	30	-10.88
	20175	1732.5	QPSK	1	0	0	20.69	19.48	30	-10.52
				6	0	0	20.45	19.24	30	-10.76
	20350	1750	QPSK	1	5	7	20.83	19.62	30	-10.38
				6	0	7	20.81	19.60	30	-10.40
	20000	1715	16QAM	1	0	0	20.21	19.00	30	-11.00
				5	0	0	19.02	17.81	30	-12.19
	20175	1732.5	16QAM	1	0	0	20.28	19.07	30	-10.93
				5	0	0	19.16	17.95	30	-12.05
	20350	1750	16QAM	1	5	7	20.50	19.29	30	-10.71
				5	0	7	19.58	18.37	30	-11.63

CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20025	1717.5	QPSK	1	0	0	19.23	18.02	30	-11.98
				6	0	0	19.01	17.80	30	-12.20
	20175	1732.5	QPSK	1	0	0	19.52	18.31	30	-11.69
				6	0	0	19.43	18.22	30	-11.78
	20325	1747.5	QPSK	1	5	11	20.84	19.63	30	-10.37
				6	0	11	20.82	19.61	30	-10.39
	20025	1717.5	16QAM	1	0	0	18.71	17.50	30	-12.50
				5	0	0	18.60	17.39	30	-12.61
	20175	1732.5	16QAM	1	0	0	18.98	17.77	30	-12.23
				5	0	0	18.92	17.71	30	-12.29
	20325	1747.5	16QAM	1	5	11	19.59	18.38	30	-11.62
				5	0	11	19.69	18.48	30	-11.52

CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20050	1720	QPSK	1	0	0	19.13	17.92	30	-12.08
				6	0	0	18.84	17.63	30	-12.37
	20175	1732.5	QPSK	1	0	0	19.94	18.73	30	-11.27
				6	0	0	19.23	18.02	30	-11.98
	20300	1745	QPSK	1	5	15	20.80	19.59	30	-10.41
				6	0	15	20.79	19.58	30	-10.42
	20050	1720	16QAM	1	0	0	18.59	17.38	30	-12.62
				5	0	0	18.53	17.32	30	-12.68
	20175	1732.5	16QAM	1	0	0	19.49	18.28	30	-11.72
				5	0	0	18.92	17.71	30	-12.29
	20300	1745	16QAM	1	5	15	19.65	18.44	30	-11.56
				5	0	15	19.71	18.50	30	-11.50

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M1 Band 5 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	0	20.25	18.84	<b>20.99</b>	38.45	-19.61
				6	0	0	18.07	16.66	18.81	38.45	-21.79
	20525	836.5	QPSK	1	0	0	19.85	18.44	20.59	38.45	-20.01
				6	0	0	17.88	16.47	18.62	38.45	-21.98
	20643	848.3	QPSK	1	5	0	19.93	18.52	20.67	38.45	-19.93
				6	0	0	17.97	16.56	18.71	38.45	-21.89
	20407	824.7	16QAM	1	0	0	19.23	17.82	<b>19.97</b>	38.45	-20.63
				5	0	0	18.00	16.59	18.74	38.45	-21.86
	20525	836.5	16QAM	1	0	0	18.90	17.49	19.64	38.45	-20.96
				5	0	0	17.79	16.38	18.53	38.45	-22.07
	20643	848.3	16QAM	1	5	0	18.98	17.57	19.72	38.45	-20.88
				5	0	0	17.89	16.48	18.63	38.45	-21.97

M1 Band 5 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	0	20.02	18.61	<b>20.76</b>	38.45	-19.84
				6	0	0	18.09	16.68	18.83	38.45	-21.77
	20525	836.5	QPSK	1	0	0	19.75	18.34	20.49	38.45	-20.11
				6	0	0	17.83	16.42	18.57	38.45	-22.03
	20635	847.5	QPSK	1	5	1	19.57	18.16	20.31	38.45	-20.29
				6	0	1	18.07	16.66	18.81	38.45	-21.79
	20415	825.5	16QAM	1	0	0	19.13	17.72	<b>19.87</b>	38.45	-20.73
				5	0	0	18.01	16.60	18.75	38.45	-21.85
	20525	836.5	16QAM	1	0	0	18.79	17.38	19.53	38.45	-21.07
				5	0	0	17.78	16.37	18.52	38.45	-22.08
	20635	847.5	16QAM	1	5	1	18.66	17.25	19.40	38.45	-21.20
				5	0	1	17.83	16.42	18.57	38.45	-22.03

M1 Band 5 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	0	20.37	18.96	21.11	38.45	-19.49
				6	0	0	19.31	17.90	20.05	38.45	-20.55
	20525	836.5	QPSK	1	0	0	20.41	19.00	<b>21.15</b>	38.45	-19.45
				6	0	0	19.24	17.83	19.98	38.45	-20.62
	20625	846.5	QPSK	1	5	3	20.28	18.87	21.02	38.45	-19.58
				6	0	3	19.21	17.80	19.95	38.45	-20.65
	20425	826.5	16QAM	1	0	0	20.15	18.74	<b>20.89</b>	38.45	-19.71
				5	0	0	19.04	17.63	19.78	38.45	-20.82
	20525	836.5	16QAM	1	0	0	20.01	18.60	20.75	38.45	-19.85
				5	0	0	18.77	17.36	19.51	38.45	-21.09
	20625	846.5	16QAM	1	5	3	19.76	18.35	20.50	38.45	-20.10
				5	0	3	18.84	17.43	19.58	38.45	-21.02

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M1 Band 5_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	0	20.37	18.96	21.11	38.45	-19.49
				6	0	0	20.35	18.94	21.09	38.45	-19.51
	20525	836.5	QPSK	1	0	0	20.42	19.01	21.16	38.45	-19.44
				6	0	0	20.24	18.83	20.98	38.45	-19.62
	20600	844	QPSK	1	5	7	20.28	18.87	21.02	38.45	-19.58
				6	0	7	20.23	18.82	20.97	38.45	-19.63
	20450	829	16QAM	1	0	0	20.19	18.78	20.93	38.45	-19.67
				5	0	0	19.09	17.68	19.83	38.45	-20.77
	20525	836.5	16QAM	1	0	0	20.00	18.59	20.74	38.45	-19.86
				5	0	0	18.83	17.42	19.57	38.45	-21.03
20600	844	16QAM	1	5	7	19.81	18.40	20.55	38.45	-20.05	
			5	0	7	18.88	17.47	19.62	38.45	-20.98	
CAT-M1 Band 12_Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	0	20.26	18.69	20.84	34.77	-16.08
				6	0	0	18.22	16.65	18.80	34.77	-18.12
	23095	707.5	QPSK	1	0	0	20.04	18.47	20.62	34.77	-16.30
				6	0	0	18.09	16.52	18.67	34.77	-18.25
	23173	715.3	QPSK	1	5	0	19.84	18.27	20.42	34.77	-16.50
				6	0	0	17.82	16.25	18.40	34.77	-18.52
	23017	699.7	16QAM	1	0	0	19.17	17.60	19.75	34.77	-17.17
				5	0	0	18.13	16.56	18.71	34.77	-18.21
	23095	707.5	16QAM	1	0	0	19.06	17.49	19.64	34.77	-17.28
				5	0	0	17.97	16.40	18.55	34.77	-18.37
23173	715.5	16QAM	1	5	0	18.54	16.97	19.12	34.77	-17.80	
			5	0	0	17.77	16.20	18.35	34.77	-18.57	
CAT-M1 Band 12_Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	0	20.23	18.66	20.81	34.77	-16.11
				6	0	0	18.19	16.62	18.77	34.77	-18.15
	23095	707.5	QPSK	1	0	0	19.99	18.42	20.57	34.77	-16.35
				6	0	0	18.04	16.47	18.62	34.77	-18.30
	23165	714.5	QPSK	1	5	1	19.58	18.01	20.16	34.77	-16.76
				6	0	1	17.84	16.27	18.42	34.77	-18.50
	23025	700.5	16QAM	1	0	0	19.16	17.59	19.74	34.77	-17.18
				5	0	0	18.07	16.50	18.65	34.77	-18.27
	23095	707.5	16QAM	1	0	0	19.07	17.50	19.65	34.77	-17.27
				5	0	0	17.97	16.40	18.55	34.77	-18.37
23165	714.5	16QAM	1	5	1	18.48	16.91	19.06	34.77	-17.86	
			5	0	1	17.74	16.17	18.32	34.77	-18.60	

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CAT-M1 Band 12_Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	0	20.41	18.84	<b>20.99</b>	34.77	-15.93
				6	0	0	19.33	17.76	19.91	34.77	-17.01
	23095	707.5	QPSK	1	0	0	20.30	18.73	20.88	34.77	-16.04
				6	0	0	19.16	17.59	19.74	34.77	-17.18
	23155	713.5	QPSK	1	5	3	19.98	18.41	20.56	34.77	-16.36
				6	0	3	18.92	17.35	19.50	34.77	-17.42
	23035	701.5	16QAM	1	0	0	20.14	18.57	<b>20.72</b>	34.77	-16.20
				5	0	0	19.06	17.49	19.64	34.77	-17.28
	23095	707.5	16QAM	1	0	0	19.98	18.41	20.56	34.77	-16.36
				5	0	0	18.89	17.32	19.47	34.77	-17.45
	23155	713.5	16QAM	1	5	3	19.55	17.98	20.13	34.77	-16.79
				5	0	3	18.66	17.09	19.24	34.77	-17.68
CAT-M1 Band 12_Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	0	20.42	18.85	<b>21.00</b>	34.77	-15.92
				6	0	0	20.41	18.84	20.99	34.77	-15.93
	23095	707.5	QPSK	1	0	0	20.30	18.73	20.88	34.77	-16.04
				6	0	0	20.28	18.71	20.86	34.77	-16.06
	23130	711	QPSK	1	5	7	19.96	18.39	20.54	34.77	-16.38
				6	0	7	20.01	18.44	20.59	34.77	-16.33
	23060	704	16QAM	1	0	0	20.15	18.58	<b>20.73</b>	34.77	-16.19
				5	0	0	19.02	17.45	19.60	34.77	-17.32
	23095	707.5	16QAM	1	0	0	20.04	18.47	20.62	34.77	-16.30
				5	0	0	20.02	18.45	20.60	34.77	-16.32
	23130	711	16QAM	1	5	7	19.39	17.82	19.97	34.77	-16.95
				5	0	7	19.81	18.24	20.39	34.77	-16.53
CAT-M1 Band 13_Uplink frequency band : 777 to 787 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23205	779.5	QPSK	1	0	0	20.19	18.95	21.10	34.77	-15.82
				6	0	0	19.04	17.80	19.95	34.77	-16.97
	23230	782	QPSK	1	0	0	20.27	19.03	<b>21.18</b>	34.77	-15.74
				6	0	0	18.98	17.74	19.89	34.77	-17.03
	23255	784.5	QPSK	1	5	3	19.94	18.70	20.85	34.77	-16.07
				6	0	3	19.02	17.78	19.93	34.77	-16.99
	23205	779.5	16QAM	1	0	0	19.85	18.61	<b>20.76</b>	34.77	-16.16
				5	0	0	18.79	17.55	19.70	34.77	-17.22
	23230	782	16QAM	1	0	0	19.82	18.58	20.73	34.77	-16.19
				5	0	0	18.77	17.53	19.68	34.77	-17.24
	23255	784.5	16QAM	1	5	3	19.54	18.30	20.45	34.77	-16.47
				5	0	3	18.76	17.52	19.67	34.77	-17.25

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CAT-M1 Band 13_Uplink frequency band : 777 to 787 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23230	782	QPSK	1	0	0	20.24	19.00	21.15	34.77	-15.77
				6	0	0	19.98	18.74	20.89	34.77	-16.03
	23230	782	16QAM	1	0	0	19.91	18.67	20.82	34.77	-16.10
				5	0	0	18.86	17.62	19.77	34.77	-17.15
	/	/	/	/	/	/	/	/	/	/	/
				/	/	/	/	/	/	/	/
CAT-M1 Band 14_Uplink frequency band : 788 to 798 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23305	790.5	QPSK	1	0	0	20.34	18.73	20.88	34.77	-16.04
				6	0	0	18.93	17.32	19.47	34.77	-17.45
	23330	793	QPSK	1	0	0	20.26	18.65	20.80	34.77	-16.12
				6	0	0	18.80	17.19	19.34	34.77	-17.58
	23355	795.5	QPSK	1	5	3	19.94	18.33	20.48	34.77	-16.44
				6	0	3	18.73	17.12	19.27	34.77	-17.65
	23305	790.5	16QAM	1	0	0	19.99	18.38	20.53	34.77	-16.39
				5	0	0	18.10	16.49	18.64	34.77	-18.28
	23330	793	16QAM	1	0	0	19.88	18.27	20.42	34.77	-16.50
				5	0	0	18.06	16.45	18.60	34.77	-18.32
	23355	795.5	16QAM	1	5	3	19.57	17.96	20.11	34.77	-16.81
				5	0	3	18.02	16.41	18.56	34.77	-18.36
CAT-M1 Band 14_Uplink frequency band : 788 to 798 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23330	793	QPSK	1	0	0	20.35	18.74	20.89	34.77	-16.03
				6	0	0	19.07	17.46	19.61	34.77	-17.31
	23330	793	16QAM	1	0	0	19.90	18.29	20.44	34.77	-16.48
				5	0	0	18.84	17.23	19.38	34.77	-17.54
	/	/	/	/	/	/	/	/	/	/	/
				/	/	/	/	/	/	/	/
M1 Band 25_Uplink frequency band : 1850 to 1915 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)	
1.4	26047	1850.7	QPSK	1	0	0	19.85	19.24	33	-13.76	
				6	0	0	17.85	17.24	33	-15.76	
	26365	1882.5	QPSK	1	0	0	20.45	19.84	33	-13.16	
				6	0	0	18.15	17.54	33	-15.46	
	26683	1914.3	QPSK	1	5	0	20.23	19.62	33	-13.38	
				6	0	0	18.40	17.79	33	-15.21	
	26047	1850.7	16QAM	1	0	0	18.92	18.31	33	-14.69	
				5	0	0	17.81	17.20	33	-15.80	
	26365	1882.5	16QAM	1	0	0	19.15	18.54	33	-14.46	
				5	0	0	18.13	17.52	33	-15.48	
	26683	1914.3	16QAM	1	5	0	19.26	18.65	33	-14.35	
				5	0	0	18.24	17.63	33	-15.37	

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M1 Band 25_Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	26055	1851.5	QPSK	1	0	0	19.74	19.13	33	-13.87
				6	0	0	17.78	17.17	33	-15.83
	26365	1882.5	QPSK	1	0	0	20.33	19.72	33	-13.28
				6	0	0	18.14	17.53	33	-15.47
	26675	1913.5	QPSK	1	5	1	20.19	19.58	33	-13.42
				6	0	1	18.30	17.69	33	-15.31
	26055	1851.5	16QAM	1	0	0	18.75	18.14	33	-14.86
				5	0	0	17.58	16.97	33	-16.03
	26365	1882.5	16QAM	1	0	0	19.32	18.71	33	-14.29
				5	0	0	18.14	17.53	33	-15.47
	26675	1913.5	16QAM	1	5	1	19.08	18.47	33	-14.53
				5	0	1	18.21	17.60	33	-15.40
M1 Band 25_Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	26065	1852.5	QPSK	1	0	0	20.17	19.56	33	-13.44
				6	0	0	18.70	18.09	33	-14.91
	26365	1882.5	QPSK	1	0	0	20.22	19.61	33	-13.39
				6	0	0	20.76	20.15	33	-12.85
	26665	1912.5	QPSK	1	5	3	20.81	20.20	33	-12.80
				6	0	3	19.45	18.84	33	-14.16
	26065	1852.5	16QAM	1	0	0	19.74	19.13	33	-13.87
				5	0	0	18.93	18.32	33	-14.68
	26365	1882.5	16QAM	1	0	0	19.03	18.42	33	-14.58
				5	0	0	19.40	18.79	33	-14.21
	26665	1912.5	16QAM	1	5	3	20.14	19.53	33	-13.47
				5	0	3	19.14	18.53	33	-14.47
M1 Band 25_Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	26090	1855	QPSK	1	0	0	20.17	19.56	33	-13.44
				6	0	0	19.93	19.32	33	-13.68
	26365	1882.5	QPSK	1	0	0	20.68	20.07	33	-12.93
				6	0	0	20.42	19.81	33	-13.19
	26640	1910	QPSK	1	5	7	20.84	20.23	33	-12.77
				6	0	7	20.78	20.17	33	-12.83
	26090	1855	16QAM	1	0	0	19.78	19.17	33	-13.83
				5	0	0	18.73	18.12	33	-14.88
	26365	1882.5	16QAM	1	0	0	20.14	19.53	33	-13.47
				5	0	0	18.92	18.31	33	-14.69
	26640	1910	16QAM	1	5	7	20.15	19.54	33	-13.46
				5	0	7	19.22	18.61	33	-14.39

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M1 Band 25 Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	26115	1857.5	QPSK	1	0	0	20.18	19.57	33	-13.43
				6	0	0	19.92	19.31	33	-13.69
	26365	1882.5	QPSK	1	0	0	20.69	20.08	33	-12.92
				6	0	0	20.41	19.80	33	-13.20
	26615	1907.5	QPSK	1	5	11	20.82	<b>20.21</b>	33	-12.79
				6	0	11	20.78	20.17	33	-12.83
	26115	1857.5	16QAM	1	0	0	19.81	19.20	33	-13.80
				5	0	0	19.72	19.11	33	-13.89
	26365	1882.5	16QAM	1	0	0	20.13	19.52	33	-13.48
				5	0	0	20.08	19.47	33	-13.53
	26615	1907.5	16QAM	1	5	11	20.17	19.56	33	-13.44
				5	0	11	20.62	<b>20.01</b>	33	-12.99

M1 Band 25 Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	26140	1860	QPSK	1	0	0	20.22	19.61	33	-13.39
				6	0	0	19.96	19.35	33	-13.65
	26365	1882.5	QPSK	1	0	0	20.64	20.03	33	-12.97
				6	0	0	20.44	19.83	33	-13.17
	26590	1905	QPSK	1	5	15	20.87	<b>20.26</b>	33	-12.74
				6	0	15	20.74	20.13	33	-12.87
	26140	1860	16QAM	1	0	0	19.76	19.15	33	-13.85
				5	0	0	19.72	19.11	33	-13.89
	26365	1882.5	16QAM	1	0	0	20.19	19.58	33	-13.42
				5	0	0	20.10	19.49	33	-13.51
	26590	1905	16QAM	1	5	15	20.20	19.59	33	-13.41
				5	0	15	20.34	<b>19.73</b>	33	-13.27

Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26697	814.7	QPSK	1	0	0	20.11	18.70	<b>20.85</b>	50	-31.30
				6	0	0	18.13	16.72	18.87	50	-33.28
	26740	819	QPSK	1	0	0	19.96	18.55	20.70	50	-31.45
				6	0	0	17.82	16.41	18.56	50	-33.59
	26783	823.3	QPSK	1	5	0	19.61	18.20	20.35	50	-31.80
				6	0	0	17.97	16.56	18.71	50	-33.44
	26697	814.7	16QAM	1	0	0	19.25	17.84	<b>19.99</b>	50	-32.16
				5	0	0	17.98	16.57	18.72	50	-33.43
	26740	819	16QAM	1	0	0	18.80	17.39	19.54	50	-32.61
				5	0	0	17.73	16.32	18.47	50	-33.68
	26783	823.3	16QAM	1	5	0	18.61	17.20	19.35	50	-32.80
				5	0	0	17.86	16.45	18.60	50	-33.55

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Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26705	815.5	QPSK	1	0	0	20.07	18.66	<b>20.81</b>	50	-31.34
				6	0	0	18.05	16.64	18.79	50	-33.36
	26740	819	QPSK	1	0	0	18.97	17.56	19.71	50	-32.44
				6	0	0	17.81	16.40	18.55	50	-33.60
	26775	822.5	QPSK	1	5	1	19.81	18.40	20.55	50	-31.60
				6	0	1	17.91	16.50	18.65	50	-33.50
	26705	815.5	16QAM	1	0	0	19.14	17.73	19.88	50	-32.27
				5	0	0	17.93	16.52	18.67	50	-33.48
	26740	819	16QAM	1	0	0	19.94	18.53	<b>20.68</b>	50	-31.47
				5	0	0	17.80	16.39	18.54	50	-33.61
	26775	822.5	16QAM	1	5	1	18.87	17.46	19.61	50	-32.54
				5	0	1	17.90	16.49	18.64	50	-33.51

Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26715	816.5	QPSK	1	0	0	20.15	18.74	20.89	50	-31.26
				6	0	0	19.23	17.82	19.97	50	-32.18
	26740	819	QPSK	1	0	0	20.37	18.96	<b>21.11</b>	50	-31.04
				6	0	0	19.07	17.66	19.81	50	-32.34
	26765	821.5	QPSK	1	5	3	20.23	18.82	20.97	50	-31.18
				6	0	3	19.22	17.81	19.96	50	-32.19
	26715	816.5	16QAM	1	0	0	20.16	18.75	<b>20.90</b>	50	-31.25
				6	0	0	18.97	17.56	19.71	50	-32.44
	26740	819	16QAM	1	0	0	19.96	18.55	20.70	50	-31.45
				5	0	0	18.76	17.35	19.50	50	-32.65
	26765	821.5	16QAM	1	5	3	19.75	18.34	20.49	50	-31.66
				5	0	3	18.95	17.54	19.69	50	-32.46

Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26740	819	QPSK	1	0	0	20.37	18.96	<b>21.11</b>	50	-28.89
				6	0	0	20.34	18.93	21.08	50	-28.92
	26740	819	16QAM	1	0	0	20.08	18.67	<b>20.82</b>	50	-29.18
				5	0	0	18.94	17.53	19.68	50	-30.32
	/	/	/	/	/	/	/	/	/	/	/
				/	/	/	/	/	/	/	/

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M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26797	824.7	QPSK	1	0	0	19.93	18.52	20.67	38.45	-19.93
				6	0	0	17.99	16.58	18.73	38.45	-21.87
	26915	836.5	QPSK	1	0	0	20.01	18.60	20.75	38.45	-19.85
				6	0	0	18.06	16.65	18.80	38.45	-21.80
	27033	848.3	QPSK	1	5	0	19.65	18.24	20.39	38.45	-20.21
				6	0	0	17.94	16.53	18.68	38.45	-21.92
	26797	824.7	16QAM	1	0	0	18.95	17.54	19.69	38.45	-20.91
				5	0	0	17.92	16.51	18.66	38.45	-21.94
	26915	836.5	16QAM	1	0	0	19.06	17.65	19.80	38.45	-20.80
				5	0	0	17.94	16.53	18.68	38.45	-21.92
	27033	848.3	16QAM	1	5	0	18.63	17.22	19.37	38.45	-21.23
				5	0	0	17.87	16.46	18.61	38.45	-21.99

M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26805	825.5	QPSK	1	0	0	19.89	18.48	20.63	38.45	-19.97
				6	0	0	17.87	16.46	18.61	38.45	-21.99
	26915	836.5	QPSK	1	0	0	19.95	18.54	20.69	38.45	-19.91
				6	0	0	18.02	16.61	18.76	38.45	-21.84
	27025	847.5	QPSK	1	5	1	19.76	18.35	20.50	38.45	-20.10
				6	0	1	17.83	16.42	18.57	38.45	-22.03
	26805	825.5	16QAM	1	0	0	18.97	17.56	19.71	38.45	-20.89
				5	0	0	17.82	16.41	18.56	38.45	-22.04
	26915	836.5	16QAM	1	0	0	19.04	17.63	19.78	38.45	-20.82
				5	0	0	17.99	16.58	18.73	38.45	-21.87
	27025	847.5	16QAM	1	5	1	18.81	17.40	19.55	38.45	-21.05
				5	0	1	17.82	16.41	18.56	38.45	-22.04

M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26815	826.5	QPSK	1	0	0	20.49	19.08	21.23	38.45	-19.37
				6	0	0	19.19	17.78	19.93	38.45	-20.67
	26915	836.5	QPSK	1	0	0	20.21	18.80	20.95	38.45	-19.65
				6	0	0	19.35	17.94	20.09	38.45	-20.51
	27015	846.5	QPSK	1	5	3	20.21	18.80	20.95	38.45	-19.65
				6	0	3	19.16	17.75	19.90	38.45	-20.70
	26815	826.5	16QAM	1	0	0	20.01	18.60	20.75	38.45	-19.85
				5	0	0	18.80	17.39	19.54	38.45	-21.06
	26915	836.5	16QAM	1	0	0	20.16	18.75	20.90	38.45	-19.70
				5	0	0	18.95	17.54	19.69	38.45	-20.91
	27015	846.5	16QAM	1	5	3	19.74	18.33	20.48	38.45	-20.12
				5	0	3	18.74	17.33	19.48	38.45	-21.12

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M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26840	829	QPSK	1	0	0	20.56	19.15	<b>21.30</b>	38.45	-17.15
				6	0	0	20.21	18.80	20.95	38.45	-17.50
	26915	836.5	QPSK	1	0	0	20.21	18.80	20.95	38.45	-17.50
				6	0	0	20.19	18.78	20.93	38.45	-17.52
	26990	844	QPSK	1	5	7	20.22	18.81	20.96	38.45	-17.49
				6	0	7	20.19	18.78	20.93	38.45	-17.52
	26840	829	16QAM	1	0	0	20.06	18.65	20.80	38.45	-17.65
				5	0	0	18.77	17.36	19.51	38.45	-18.94
	26915	836.5	16QAM	1	0	0	20.16	18.75	<b>20.90</b>	38.45	-17.55
				5	0	0	18.93	17.52	19.67	38.45	-18.78
26990	844	16QAM	1	5	7	19.73	18.32	20.47	38.45	-17.98	
			5	0	7	18.80	17.39	19.54	38.45	-18.91	
M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	26865	831.5	QPSK	1	0	0	20.52	19.11	<b>21.26</b>	38.45	-17.19
				6	0	0	20.24	18.83	20.98	38.45	-17.47
	26915	836.5	QPSK	1	0	0	20.22	18.81	20.96	38.45	-17.49
				6	0	0	20.19	18.78	20.93	38.45	-17.52
	26965	841.5	QPSK	1	5	11	20.30	18.89	21.04	38.45	-17.41
				6	0	11	20.21	18.80	20.95	38.45	-17.50
	26865	831.5	16QAM	1	0	0	19.89	18.48	20.63	38.45	-17.82
				6	0	0	20.00	18.59	20.74	38.45	-17.71
	26915	836.5	16QAM	1	0	0	20.21	18.80	<b>20.95</b>	38.45	-17.50
				5	0	0	20.13	18.72	20.87	38.45	-17.58
26965	841.5	16QAM	1	5	11	19.77	18.36	20.51	38.45	-17.94	
			5	0	11	19.90	18.49	20.64	38.45	-17.81	
M1 Band 66_Uplink frequency band : 1710 to 1780 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)	
1.4	131979	1710.7	QPSK	1	0	0	20.11	19.88	30	-10.12	
				6	0	0	18.11	17.88	30	-12.12	
	132322	1745	QPSK	1	0	0	20.25	<b>20.02</b>	30	-9.98	
				6	0	0	18.17	17.94	30	-12.06	
	132665	1779.3	QPSK	1	5	0	20.06	19.83	30	-10.17	
				6	0	0	18.28	18.05	30	-11.95	
	131979	1710.7	16QAM	1	0	0	19.13	18.90	30	-11.10	
				5	0	0	17.99	17.76	30	-12.24	
	132322	1745	16QAM	1	0	0	19.28	<b>19.05</b>	30	-10.95	
				5	0	0	18.15	17.92	30	-12.08	
132665	1779.3	16QAM	1	5	0	19.04	18.81	30	-11.19		
			5	0	0	<b>18.14</b>	17.91	30	-12.09		

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M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	131987	1711.5	QPSK	1	0	0	20.04	<b>19.81</b>	30	-10.19
				6	0	0	17.99	17.76	30	-12.24
	132322	1745	QPSK	1	0	0	19.21	18.98	30	-11.02
				6	0	0	18.08	17.85	30	-12.15
	132657	1778.5	QPSK	1	5	1	18.91	18.68	30	-11.32
				6	0	1	18.14	17.91	30	-12.09
	131987	1711.5	16QAM	1	0	0	18.94	18.71	30	-11.29
				5	0	0	17.96	17.73	30	-12.27
	132322	1745	16QAM	1	0	0	19.05	18.82	30	-11.18
				5	0	0	17.99	17.76	30	-12.24
	132657	1778.5	16QAM	1	5	1	19.91	<b>19.68</b>	30	-10.32
				5	0	1	17.97	17.74	30	-12.26

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	131997	1712.5	QPSK	1	0	0	20.38	20.15	30	-9.85
				6	0	0	19.22	18.99	30	-11.01
	132322	1745	QPSK	1	0	0	20.41	<b>20.18</b>	30	-9.82
				6	0	0	19.27	19.04	30	-10.96
	132647	1777.5	QPSK	1	5	3	20.41	<b>20.18</b>	30	-9.82
				6	0	3	19.26	19.03	30	-10.97
	131997	1712.5	16QAM	1	0	0	20.07	19.84	30	-10.16
				5	0	0	18.87	18.64	30	-11.36
	132322	1745	16QAM	1	0	0	20.10	<b>19.87</b>	30	-10.13
				5	0	0	18.91	18.68	30	-11.32
	132647	1777.5	16QAM	1	5	3	19.91	19.68	30	-10.32
				5	0	3	19.06	18.83	30	-11.17

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	132022	1715	QPSK	1	0	0	20.38	20.15	30	-9.85
				6	0	0	20.27	20.04	30	-9.96
	132322	1745	QPSK	1	0	0	20.40	20.17	30	-9.83
				6	0	0	20.32	20.09	30	-9.91
	132622	1775	QPSK	1	5	7	20.41	<b>20.18</b>	30	-9.82
				6	0	7	20.40	20.17	30	-9.83
	132022	1715	16QAM	1	0	0	20.10	19.87	30	-10.13
				5	0	0	18.87	18.64	30	-11.36
	132322	1745	16QAM	1	0	0	20.14	<b>19.91</b>	30	-10.09
				5	0	0	18.97	18.74	30	-11.26
	132622	1775	16QAM	1	5	7	20.01	19.78	30	-10.22
				6	0	7	19.25	19.02	30	-10.98

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M1 Band 66 Uplink frequency band : 1710 to 1780 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)	
15	132047	1717.5	QPSK	1	0	0	20.39	20.16	30	-9.84	
				6	0	0	20.23	20.00	30	-10.00	
	132322	1745	QPSK	1	0	0	20.38	20.15	30	-9.85	
				6	0	0	20.36	20.13	30	-9.87	
	132597	1772.5	QPSK	1	5	11	20.43	<b>20.20</b>	30	-9.80	
				6	0	11	20.41	20.18	30	-9.82	
	132047	1717.5	16QAM	1	0	0	20.03	19.80	30	-10.20	
				5	0	0	19.95	19.72	30	-10.28	
	132322	1745	16QAM	1	0	0	20.26	<b>20.03</b>	30	-9.97	
				5	0	0	20.10	19.87	30	-10.13	
	132597	1772.5	16QAM	1	5	11	20.00	19.77	30	-10.23	
				5	0	11	20.11	19.88	30	-10.12	
M1 Band 66 Uplink frequency band : 1710 to 1780 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)	
20	132072	1720	QPSK	1	0	0	20.37	20.14	30	-9.86	
				6	0	0	20.23	20.00	30	-10.00	
	132322	1745	QPSK	1	0	0	20.39	20.16	30	-9.84	
				6	0	0	20.38	20.15	30	-9.85	
	132572	1770	QPSK	1	5	15	20.44	<b>20.21</b>	30	-9.79	
				6	0	15	20.40	20.17	30	-9.83	
	132072	1720	16QAM	1	0	0	20.04	19.81	30	-10.19	
				5	0	0	19.94	19.71	30	-10.29	
	132322	1745	16QAM	1	0	0	20.29	<b>20.06</b>	30	-9.94	
				5	0	0	20.19	19.96	30	-10.04	
	132572	1770	16QAM	1	5	15	20.03	19.80	30	-10.20	
				5	0	15	20.16	19.93	30	-10.07	
M1 Band 85 Uplink frequency band : 698 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	134027	700.5	QPSK	1	0	0	20.50	18.93	<b>21.08</b>	34.77	-13.69
				6	0	0	19.42	17.85	20.00	34.77	-14.77
	134092	707	QPSK	1	0	0	20.36	18.79	20.94	34.77	-13.83
				6	0	0	19.25	17.68	19.83	34.77	-14.94
	134157	713.5	QPSK	1	5	3	19.97	18.40	20.55	34.77	-14.22
				6	0	3	19.01	17.44	19.59	34.77	-15.18
	134027	700.5	16QAM	1	0	0	20.36	18.79	20.94	34.77	-13.83
				5	0	0	19.04	17.47	19.62	34.77	-15.15
	134092	707	16QAM	1	0	0	20.06	18.49	20.64	34.77	-14.13
				5	0	0	18.91	17.34	19.49	34.77	-15.28
	134157	713.5	16QAM	1	5	3	19.58	18.01	20.16	34.77	-14.61
				5	0	3	18.65	17.08	19.23	34.77	-15.54

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M1 Band 85 Uplink frequency band : 698 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	134052	703	QPSK	1	0	0	20.51	18.94	21.09	34.77	-13.68
				6	0	0	20.49	18.92	21.07	34.77	-13.7
	134092	707	QPSK	1	0	0	20.37	18.80	20.95	34.77	-13.82
				6	0	0	20.36	18.79	20.94	34.77	-13.83
	134132	711	QPSK	1	5	7	19.96	18.39	20.54	34.77	-14.23
				6	0	7	20.01	18.44	20.59	34.77	-14.18
	134052	703	16QAM	1	0	0	20.39	18.82	20.97	34.77	-13.8
				5	0	0	18.99	17.42	19.57	34.77	-15.2
	134092	707	16QAM	1	0	0	20.10	18.53	20.68	34.77	-14.09
				5	0	0	18.96	17.39	19.54	34.77	-15.23
	134132	711	16QAM	1	5	7	19.59	18.02	20.17	34.77	-14.6
				5	0	7	18.80	17.23	19.38	34.77	-15.39

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## 8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

### 8.1 Standard Applicable

According to FCC §2.1053,

**FCC §22.917(a), §24.238(a), §27.53(h), §90.543(e)(3)**

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

**FCC §27.53(g)**

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $76 + 10 \log(P)$  dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

**FCC §90.543 (f)**

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

**FCC §27.53(h)(1)**

(h) *AWS emission limits*—(1) *General protection levels*. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB.

**FCC §90.691 Emission mask requirements for EA-based systems**

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

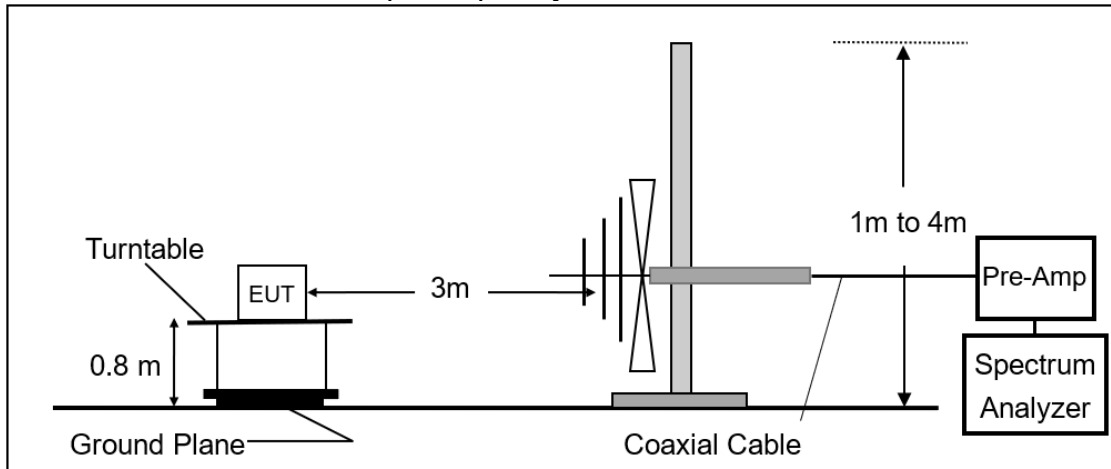
(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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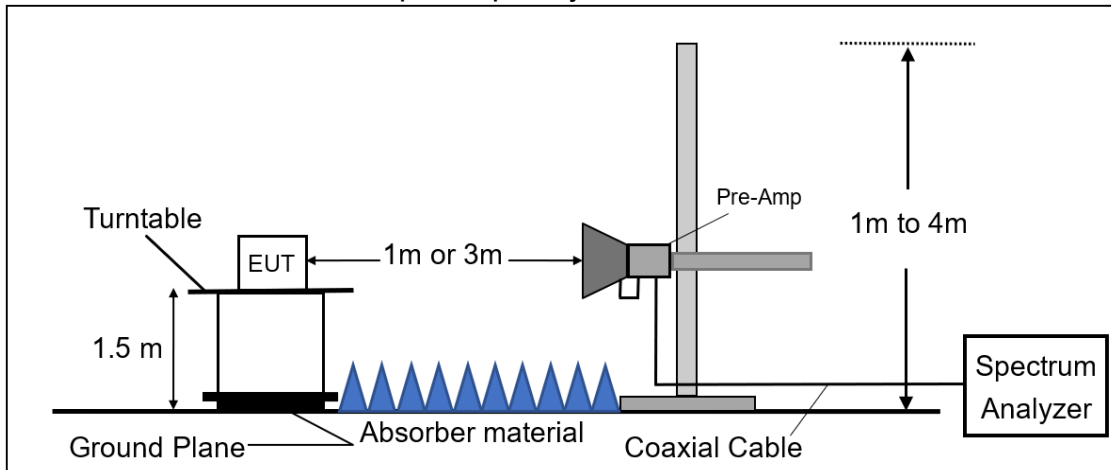
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## 8.2 EUT Setup

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



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



## 8.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$$\text{ERP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBd)} + \text{Cable Loss(dB)}$$

$$\text{EIRP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBi)} + \text{Cable Loss(dB)}$$

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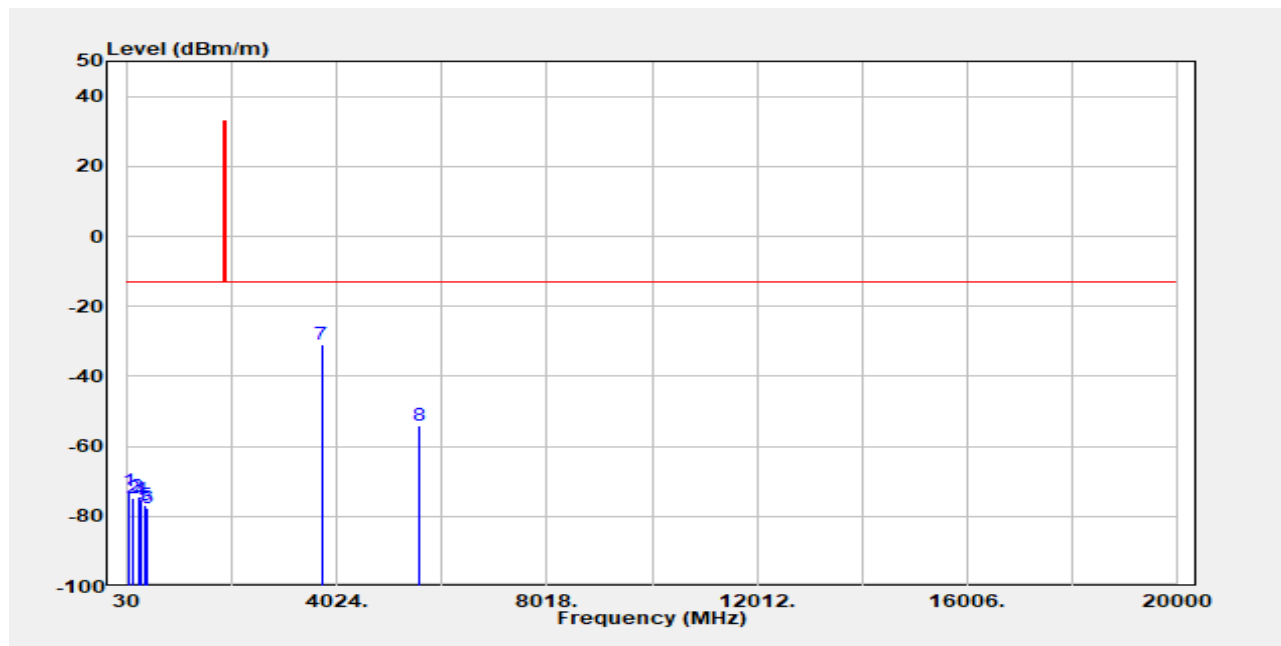
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## 8.4 Measurement Result:

Report Number :TERF2412003861ER  
 Operation Mode :CAT-M1 B2  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :1860 MHz

Test Site :SAC 3  
 Test Date :2024-12-31  
 Temp./Humi. :20.7°C/55%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
69.810	-72.68	-64.47	-6.68	-1.53	-13.00	-59.68
148.459	-74.63	-70.76	-1.64	-2.23	-13.00	-61.63
227.107	-74.40	-76.54	4.89	-2.75	-13.00	-61.40
299.930	-75.03	-75.69	3.82	-3.16	-13.00	-62.03
366.927	-76.71	-77.41	4.20	-3.49	-13.00	-63.71
414.505	-77.63	-78.05	4.13	-3.71	-13.00	-64.63
3720.000	-31.01	-32.13	12.50	-11.38	-13.00	-18.01
5580.000	-54.21	-53.23	13.12	-14.10	-13.00	-41.21

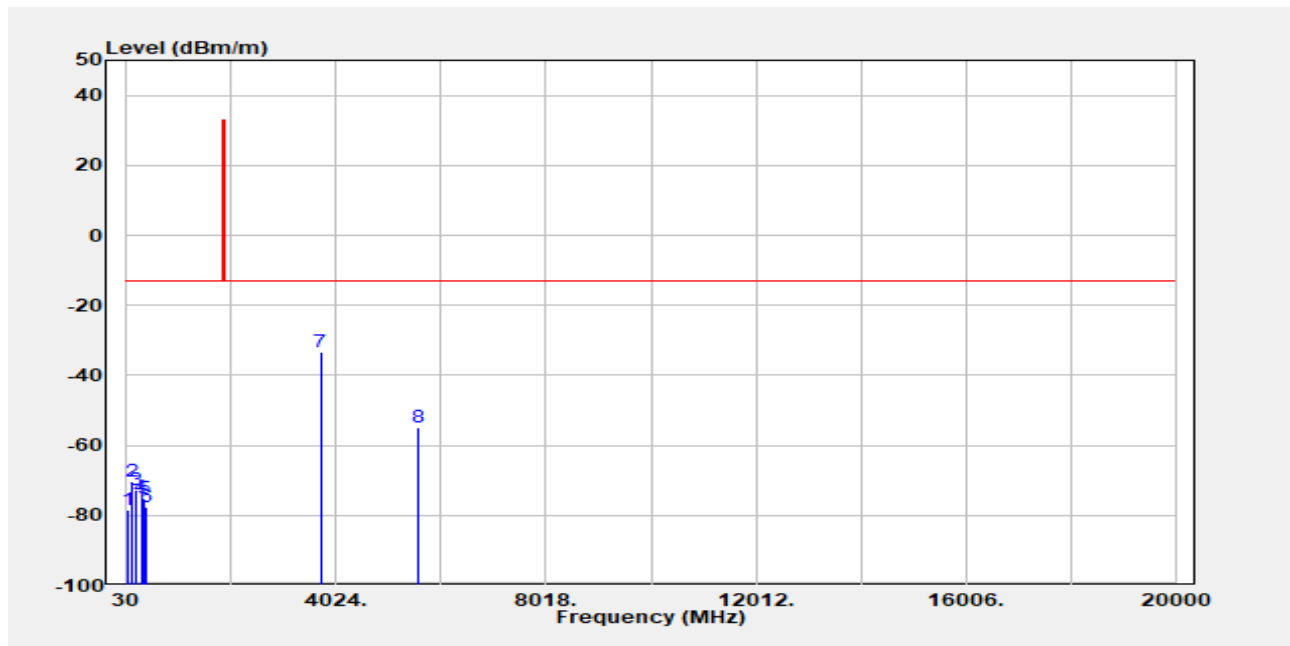
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B2  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1860 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



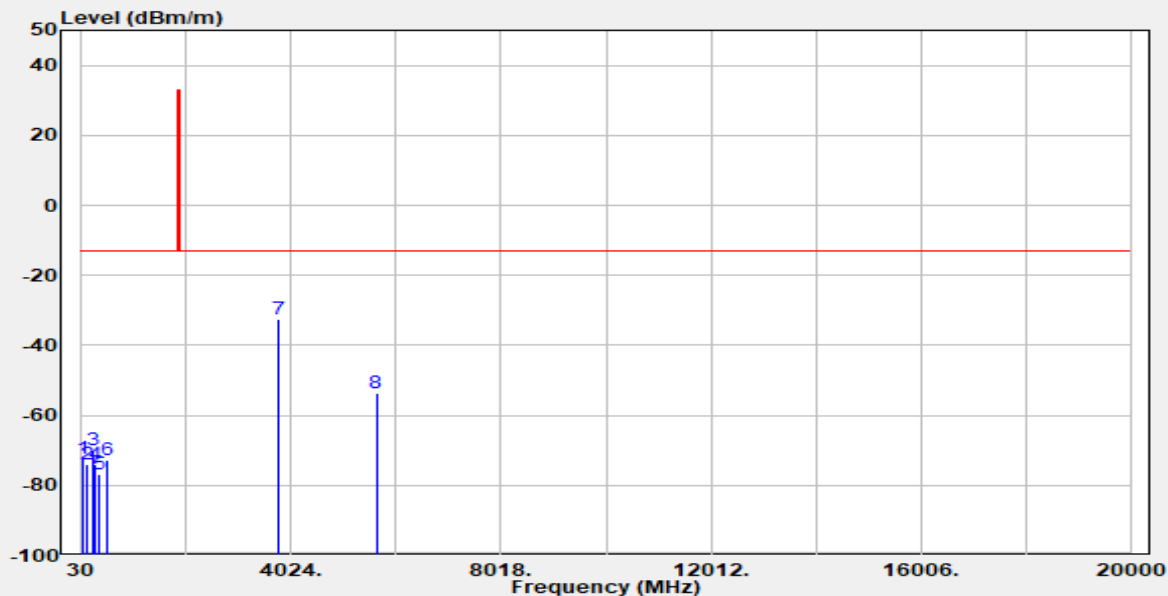
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
57.187	-78.43	-66.51	-10.53	-1.39	-13.00	-65.43
147.488	-70.39	-66.38	-1.79	-2.22	-13.00	-57.39
224.194	-72.67	-74.91	4.97	-2.74	-13.00	-59.67
303.814	-74.89	-75.57	3.86	-3.18	-13.00	-61.89
368.869	-75.03	-75.69	4.16	-3.50	-13.00	-62.03
399.940	-77.44	-77.71	3.92	-3.65	-13.00	-64.44
3720.000	-33.21	-34.33	12.50	-11.38	-13.00	-20.21
5580.000	-54.81	-53.83	13.12	-14.10	-13.00	-41.81

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B2  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1880 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-72.16	-62.97	-7.70	-1.50	-13.00	-59.16
146.517	-74.09	-70.12	-1.75	-2.21	-13.00	-61.09
236.817	-69.75	-70.82	3.88	-2.81	-13.00	-56.75
301.872	-73.87	-74.53	3.84	-3.17	-13.00	-60.87
366.927	-76.65	-77.35	4.20	-3.49	-13.00	-63.65
505.776	-72.64	-72.58	4.05	-4.10	-13.00	-59.64
3760.000	-32.69	-33.75	12.50	-11.44	-13.00	-19.69
5640.000	-53.66	-52.78	13.28	-14.17	-13.00	-40.66

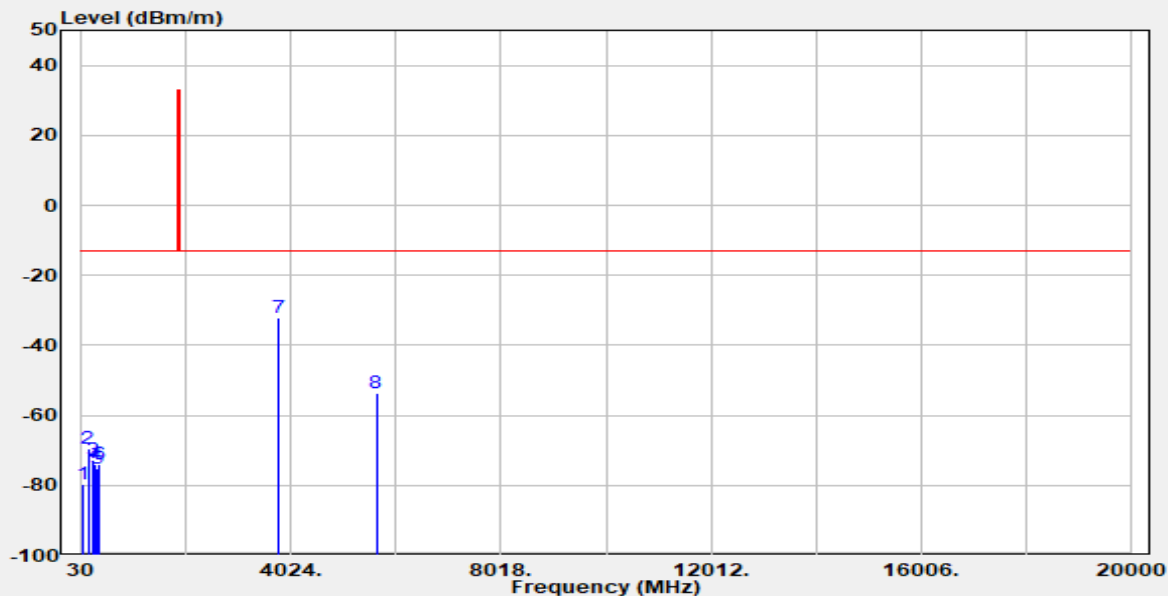
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B2  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1880 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
67.868	-79.60	-70.50	-7.59	-1.51	-13.00	-66.60
149.429	-69.43	-65.58	-1.62	-2.24	-13.00	-56.43
237.788	-72.91	-73.91	3.82	-2.82	-13.00	-59.91
289.249	-73.93	-74.54	3.72	-3.11	-13.00	-60.93
335.856	-75.38	-75.93	3.90	-3.35	-13.00	-62.38
367.898	-73.98	-74.66	4.18	-3.50	-13.00	-60.98
3760.000	-32.04	-33.10	12.50	-11.44	-13.00	-19.04
5640.000	-53.78	-52.90	13.28	-14.17	-13.00	-40.78

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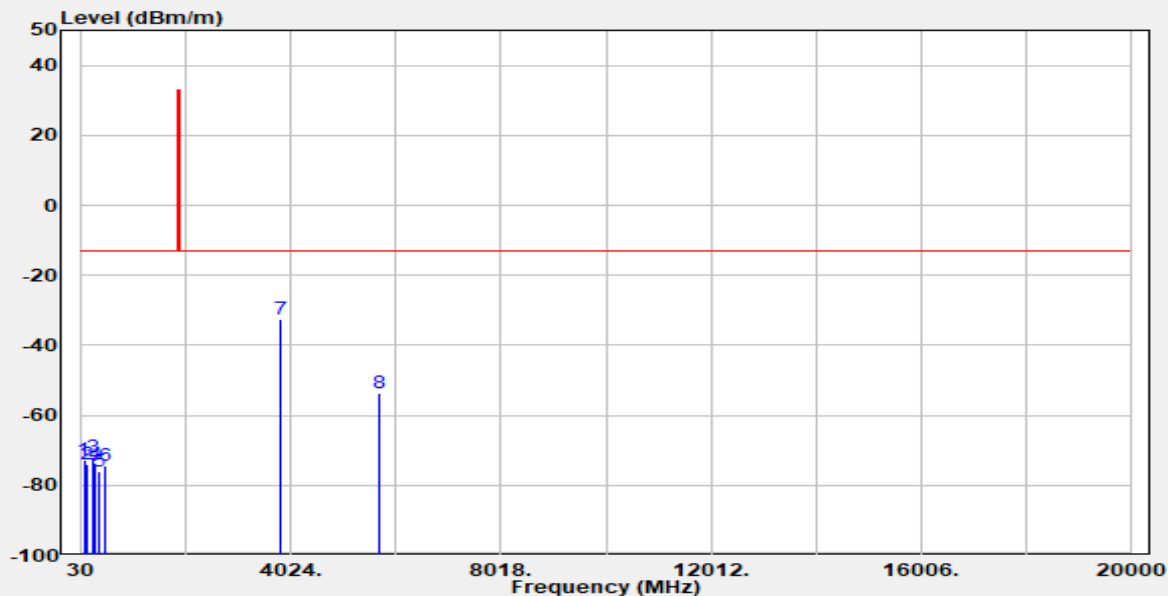
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B2  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1900 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



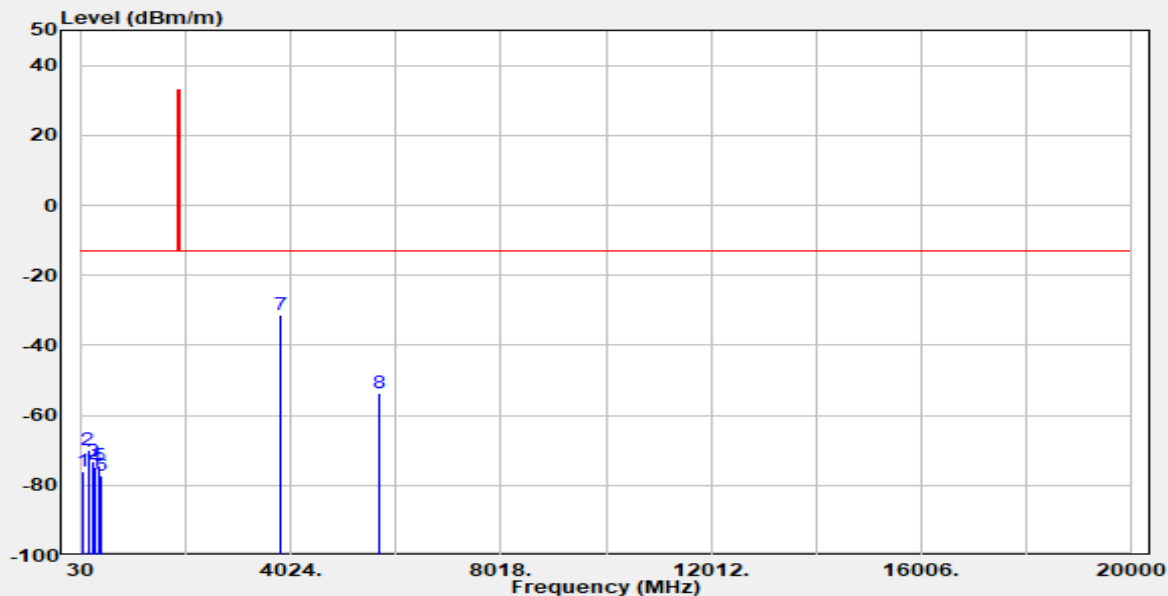
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
73.694	-72.82	-65.96	-5.30	-1.57	-13.00	-59.82
145.546	-74.16	-70.25	-1.70	-2.20	-13.00	-61.16
246.527	-71.79	-72.58	3.65	-2.87	-13.00	-58.79
297.988	-73.93	-74.59	3.80	-3.15	-13.00	-60.93
365.956	-75.93	-76.65	4.21	-3.49	-13.00	-62.93
479.560	-74.25	-74.25	4.00	-4.00	-13.00	-61.25
3800.000	-32.65	-33.65	12.50	-11.50	-13.00	-19.65
5700.000	-53.62	-52.47	13.10	-14.25	-13.00	-40.62

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B2  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1900 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



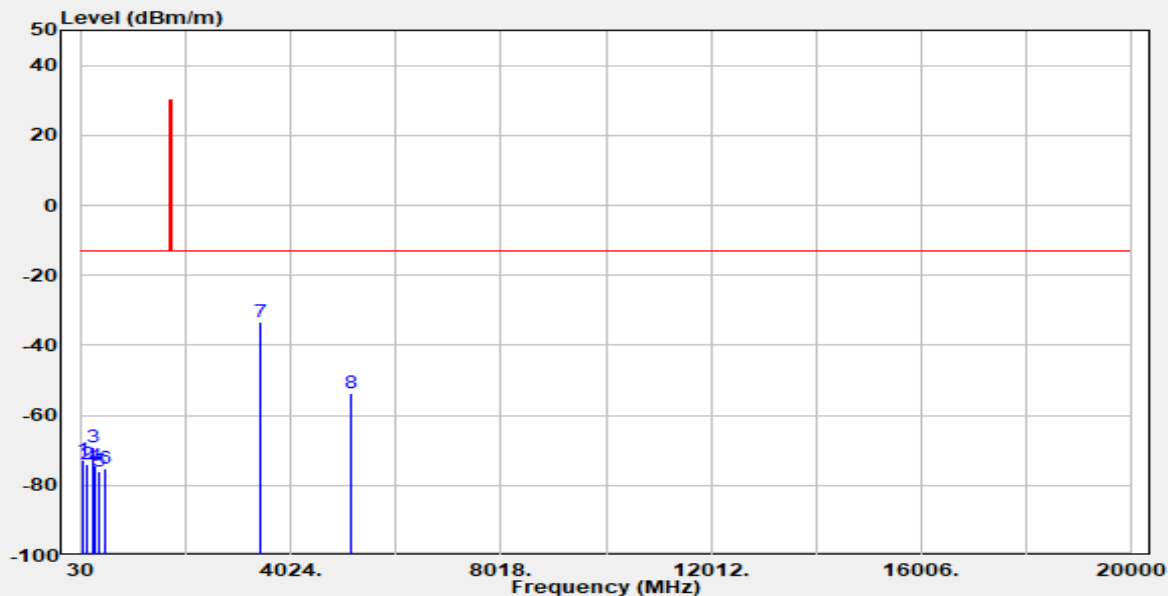
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
47.477	-75.91	-62.36	-12.29	-1.26	-13.00	-62.91
150.400	-69.84	-65.92	-1.68	-2.24	-13.00	-56.84
230.020	-73.36	-75.30	4.71	-2.77	-13.00	-60.36
295.075	-74.95	-75.59	3.78	-3.14	-13.00	-61.95
372.753	-74.40	-74.97	4.10	-3.52	-13.00	-61.40
412.563	-77.27	-77.66	4.09	-3.70	-13.00	-64.27
3800.000	-31.36	-32.36	12.50	-11.50	-13.00	-18.36
5700.000	-53.83	-52.68	13.10	-14.25	-13.00	-40.83

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B4  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1717.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



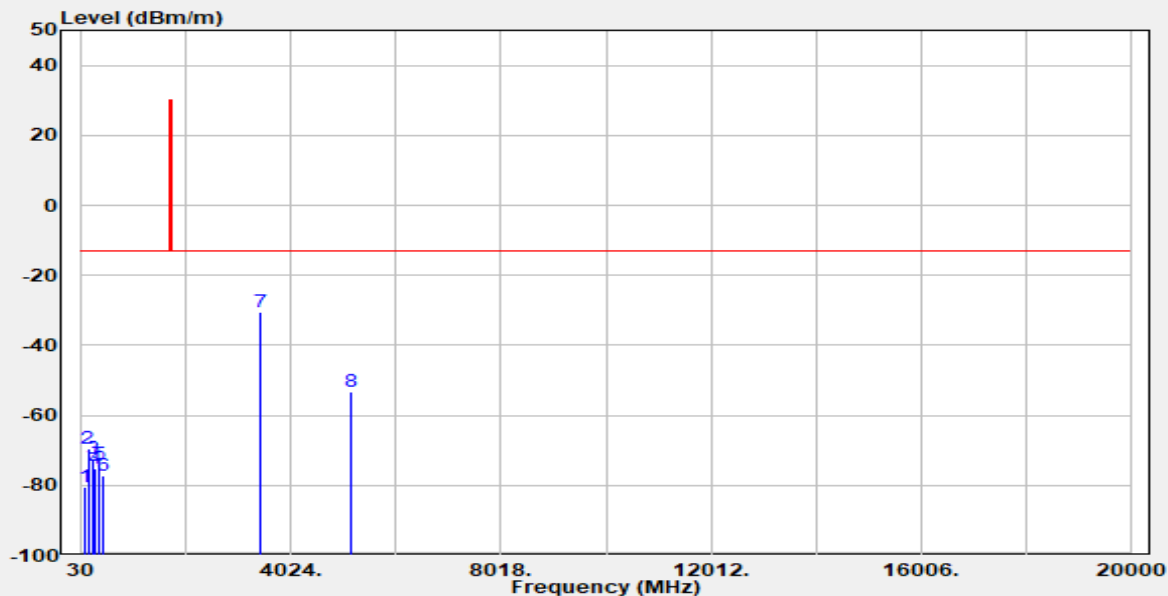
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
65.926	-72.89	-63.62	-7.78	-1.49	-13.00	-59.89
147.488	-74.07	-70.06	-1.79	-2.22	-13.00	-61.07
237.788	-69.23	-70.24	3.82	-2.82	-13.00	-56.23
296.046	-74.20	-74.85	3.79	-3.14	-13.00	-61.20
368.869	-75.93	-76.58	4.16	-3.50	-13.00	-62.93
481.502	-75.28	-75.30	4.03	-4.01	-13.00	-62.28
3435.000	-33.28	-34.96	12.60	-10.93	-13.00	-20.28
5152.500	-53.67	-52.56	12.41	-13.51	-13.00	-40.67

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B4  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1717.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



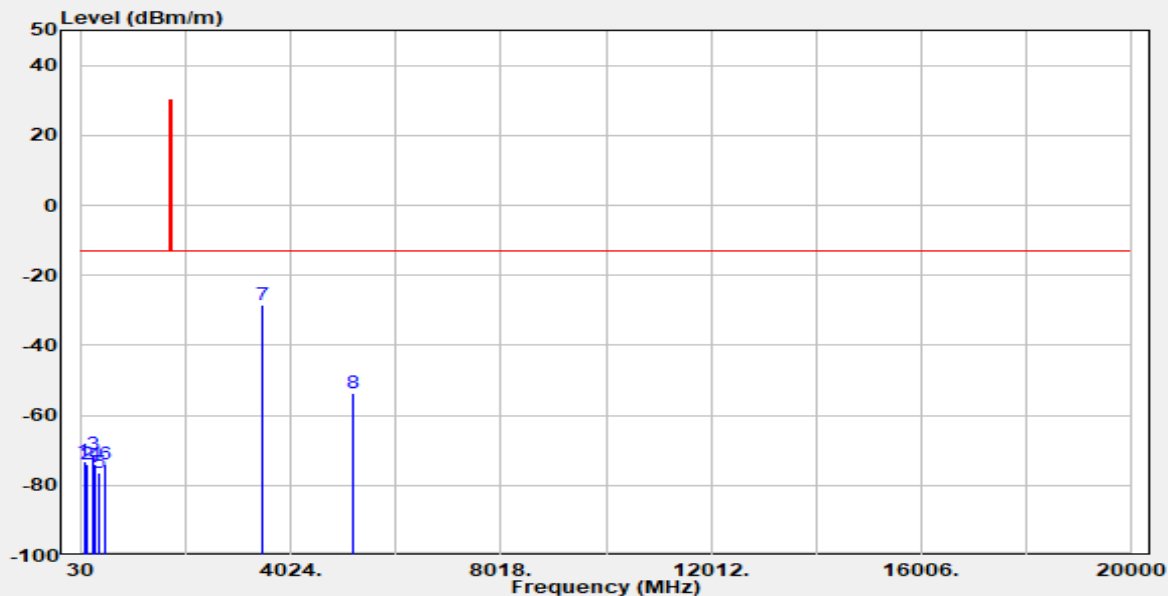
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
95.055	-80.52	-77.95	-0.78	-1.79	-13.00	-67.52
149.429	-69.51	-65.65	-1.62	-2.24	-13.00	-56.51
229.049	-72.33	-74.33	4.77	-2.76	-13.00	-59.33
301.872	-75.28	-75.95	3.84	-3.17	-13.00	-62.28
368.869	-73.91	-74.56	4.16	-3.50	-13.00	-60.91
425.185	-77.35	-77.63	4.04	-3.76	-13.00	-64.35
3435.000	-30.67	-32.35	12.60	-10.93	-13.00	-17.67
5152.500	-53.19	-52.09	12.41	-13.51	-13.00	-40.19

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B4  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1732.5 MHz

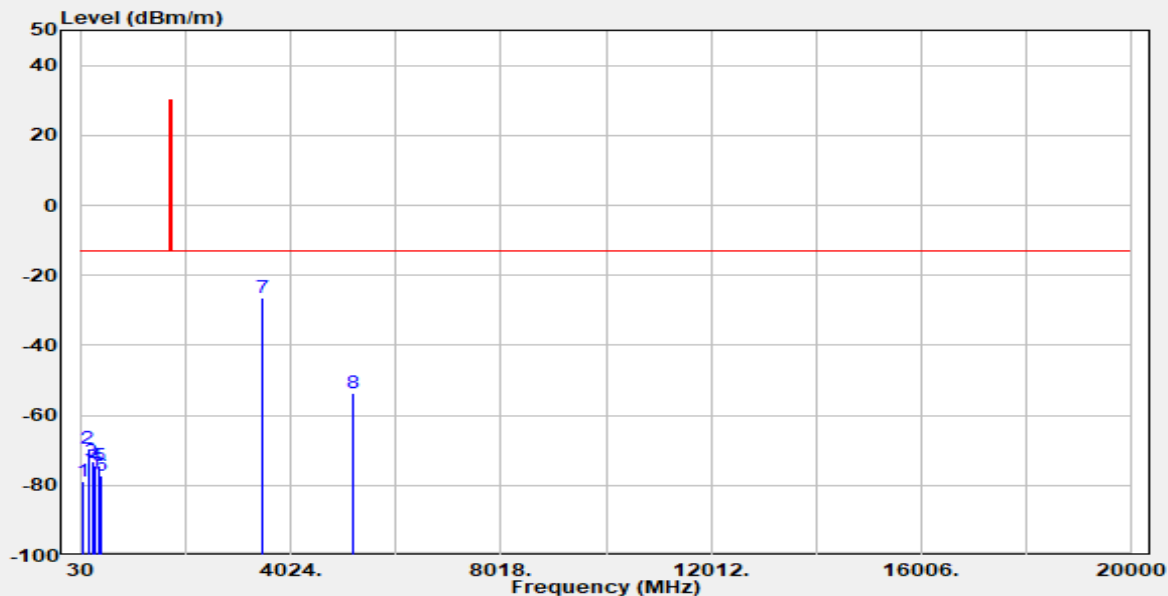
Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin





Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B4  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1732.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
59.129	-78.99	-67.58	-9.99	-1.41	-13.00	-65.99
149.429	-69.33	-65.47	-1.62	-2.24	-13.00	-56.33
227.107	-73.36	-75.50	4.89	-2.75	-13.00	-60.36
297.017	-74.59	-75.24	3.80	-3.15	-13.00	-61.59
369.840	-74.54	-75.18	4.14	-3.51	-13.00	-61.54
414.505	-77.26	-77.68	4.13	-3.71	-13.00	-64.26
3465.000	-26.35	-27.92	12.54	-10.97	-13.00	-13.35
5197.500	-53.56	-52.57	12.59	-13.58	-13.00	-40.56

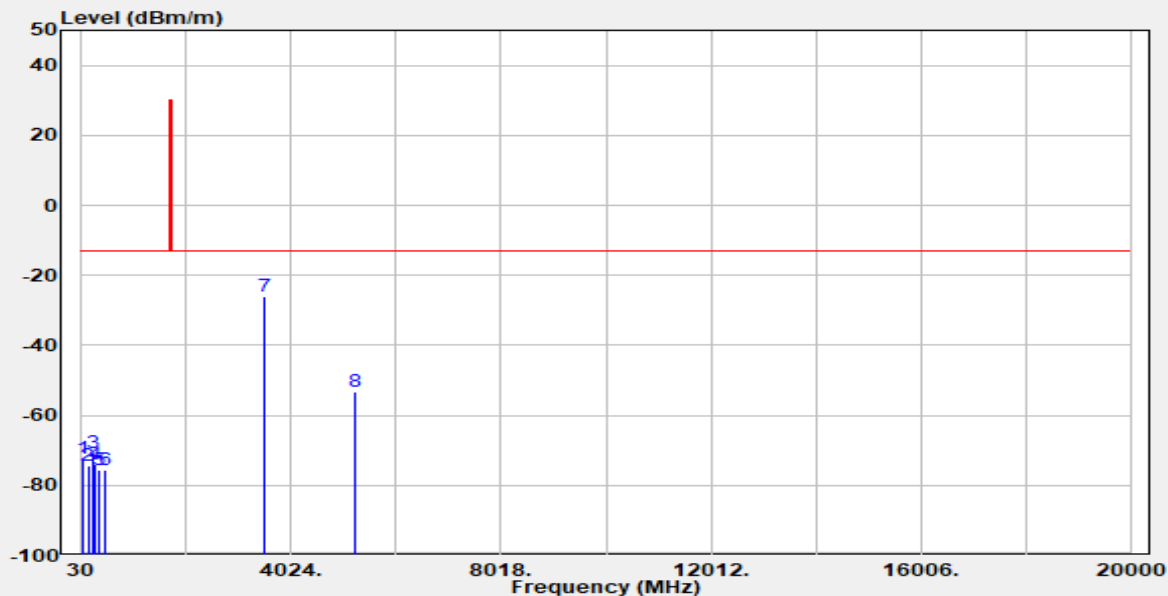
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B4  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1747.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-72.26	-63.07	-7.70	-1.50	-13.00	-59.26
149.429	-74.25	-70.40	-1.62	-2.24	-13.00	-61.25
244.585	-70.60	-71.41	3.66	-2.86	-13.00	-57.60
298.959	-74.08	-74.73	3.81	-3.15	-13.00	-61.08
365.956	-75.65	-76.37	4.21	-3.49	-13.00	-62.65
475.676	-75.59	-75.62	4.01	-3.98	-13.00	-62.59
3495.000	-25.90	-27.30	12.42	-11.02	-13.00	-12.90
5242.500	-53.27	-52.48	12.86	-13.64	-13.00	-40.27

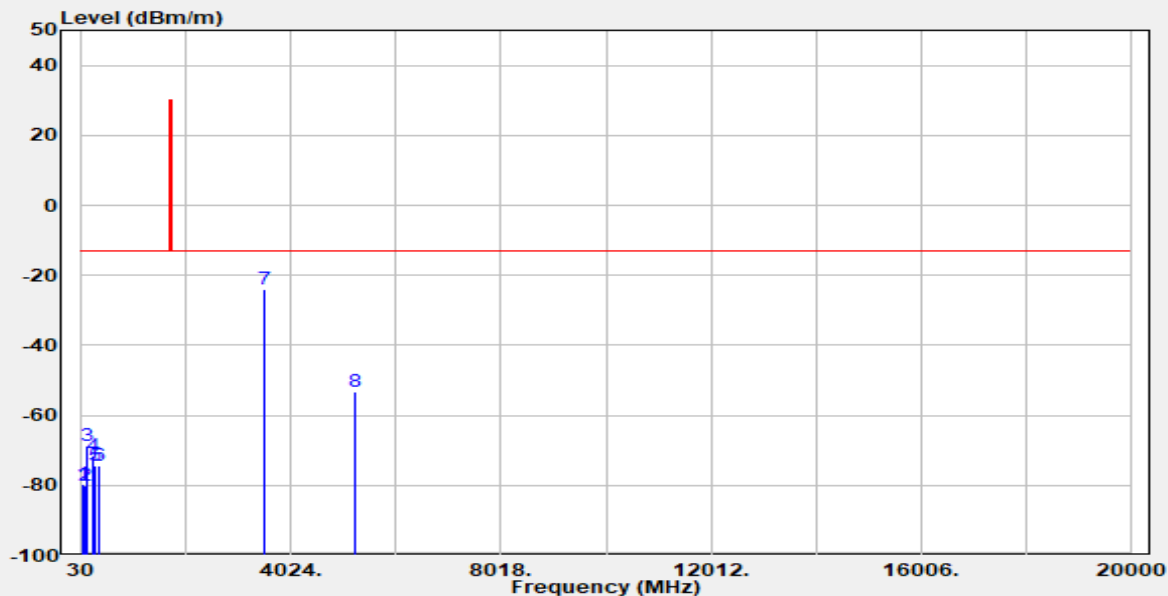
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B4  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1747.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



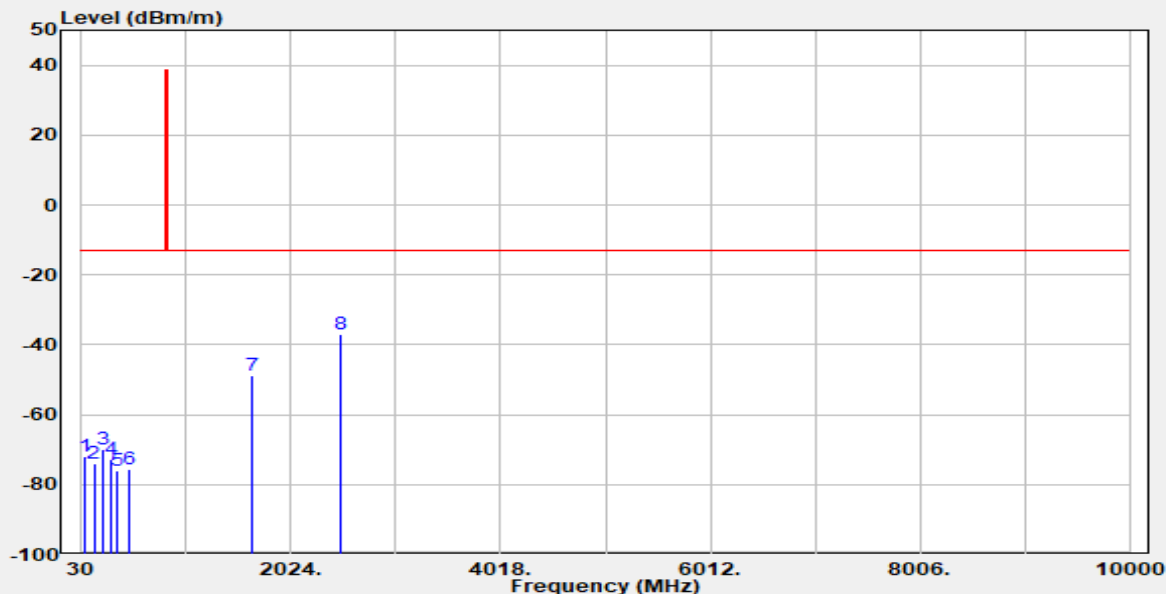
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
68.839	-79.65	-71.10	-7.04	-1.52	-13.00	-66.65
89.229	-80.27	-77.53	-1.01	-1.73	-13.00	-67.27
148.459	-68.54	-64.67	-1.64	-2.23	-13.00	-55.54
230.020	-71.37	-73.30	4.71	-2.77	-13.00	-58.37
293.133	-74.24	-74.87	3.76	-3.13	-13.00	-61.24
365.956	-74.35	-75.07	4.21	-3.49	-13.00	-61.35
3495.000	-23.98	-25.38	12.42	-11.02	-13.00	-10.98
5242.500	-53.28	-52.49	12.86	-13.64	-13.00	-40.28

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B5  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :829 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-71.86	-62.66	-7.70	-1.50	-13.00	-58.86
147.488	-73.99	-69.98	-1.79	-2.22	-13.00	-60.99
232.933	-69.89	-71.40	4.29	-2.79	-13.00	-56.89
309.640	-72.80	-73.41	3.81	-3.21	-13.00	-59.80
364.014	-76.21	-76.96	4.23	-3.48	-13.00	-63.21
480.531	-75.55	-75.56	4.01	-4.00	-13.00	-62.55
1658.000	-48.66	-50.76	9.58	-7.48	-13.00	-35.66
2487.000	-37.11	-38.36	10.50	-9.25	-13.00	-24.11

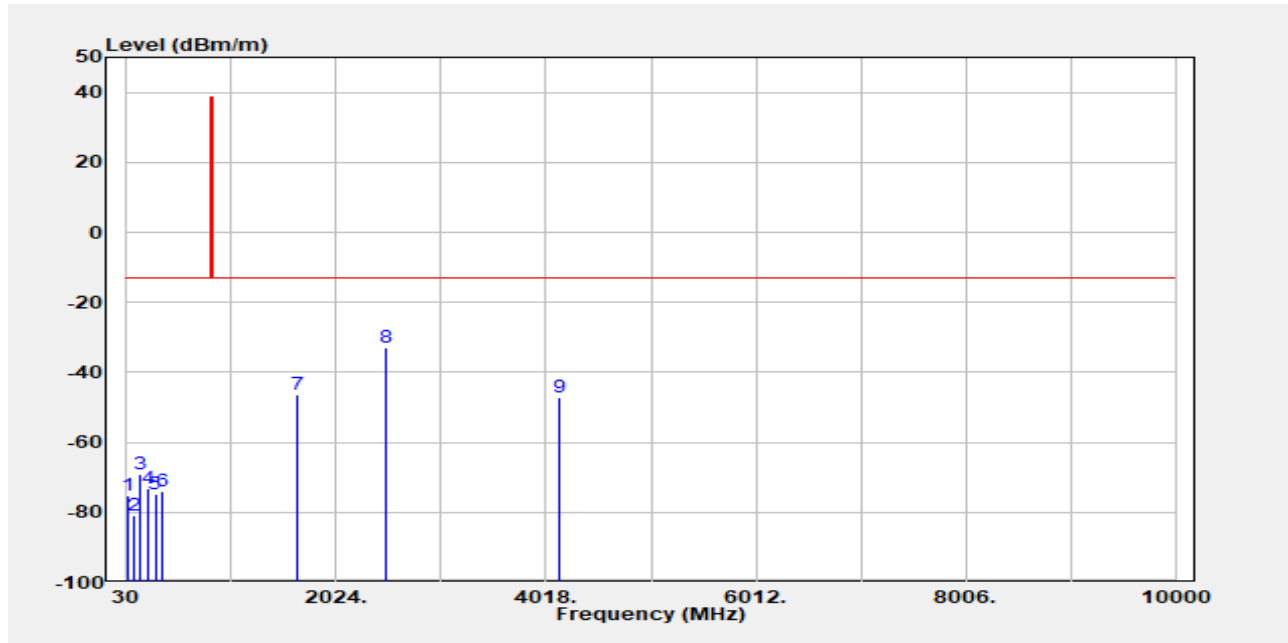
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B5  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :829 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
50.390	-75.34	-62.08	-11.95	-1.30	-13.00	-62.34
92.142	-81.02	-78.40	-0.86	-1.76	-13.00	-68.02
149.429	-69.23	-65.38	-1.62	-2.24	-13.00	-56.23
227.107	-73.31	-75.44	4.89	-2.75	-13.00	-60.31
300.901	-74.68	-75.34	3.83	-3.16	-13.00	-61.68
370.811	-74.07	-74.68	4.13	-3.51	-13.00	-61.07
1658.000	-46.19	-48.29	9.58	-7.48	-13.00	-33.19
2487.000	-32.81	-34.06	10.50	-9.25	-13.00	-19.81
4145.000	-47.10	-47.57	12.51	-12.04	-13.00	-34.10

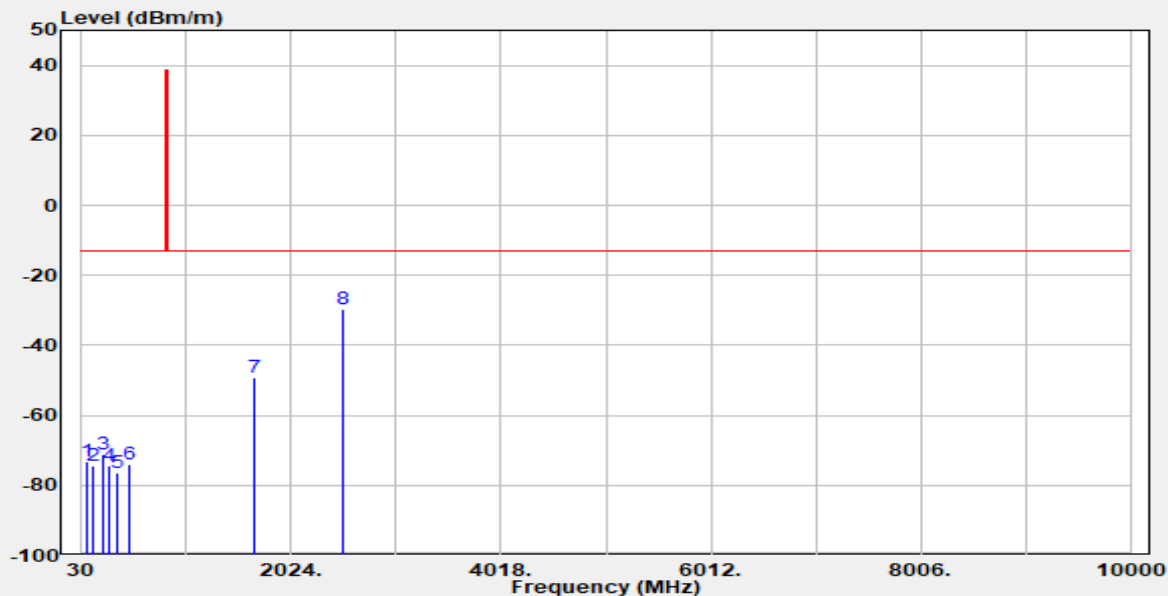
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B5  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
73.694	-72.97	-66.10	-5.30	-1.57	-13.00	-59.97
146.517	-74.47	-70.51	-1.75	-2.21	-13.00	-61.47
230.991	-71.29	-73.09	4.57	-2.78	-13.00	-58.29
297.988	-74.21	-74.86	3.80	-3.15	-13.00	-61.21
363.043	-76.59	-77.34	4.22	-3.48	-13.00	-63.59
479.560	-74.13	-74.13	4.00	-4.00	-13.00	-61.13
1673.000	-49.00	-51.21	9.73	-7.52	-13.00	-36.00
2509.500	-29.66	-31.06	10.70	-9.29	-13.00	-16.66

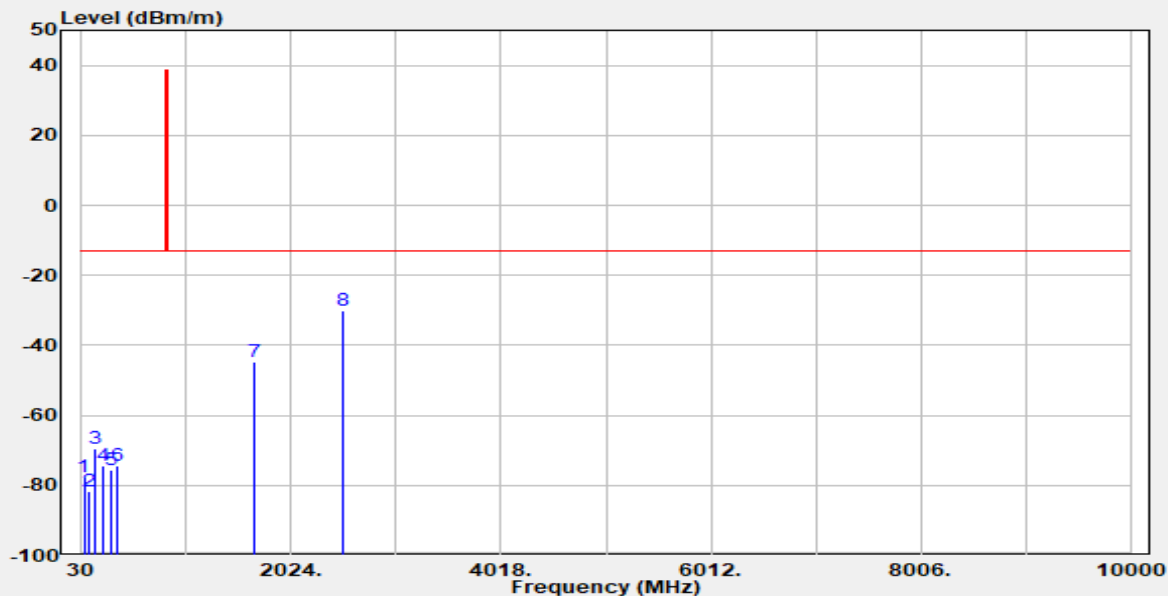
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B5  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
51.361	-77.64	-64.49	-11.84	-1.32	-13.00	-64.64
96.997	-81.71	-78.83	-1.08	-1.80	-13.00	-68.71
148.459	-69.55	-65.68	-1.64	-2.23	-13.00	-56.55
229.049	-74.19	-76.20	4.77	-2.76	-13.00	-61.19
303.814	-75.48	-76.16	3.86	-3.18	-13.00	-62.48
368.869	-74.25	-74.91	4.16	-3.50	-13.00	-61.25
1673.000	-44.87	-47.09	9.73	-7.52	-13.00	-31.87
2509.500	-29.90	-31.31	10.70	-9.29	-13.00	-16.90

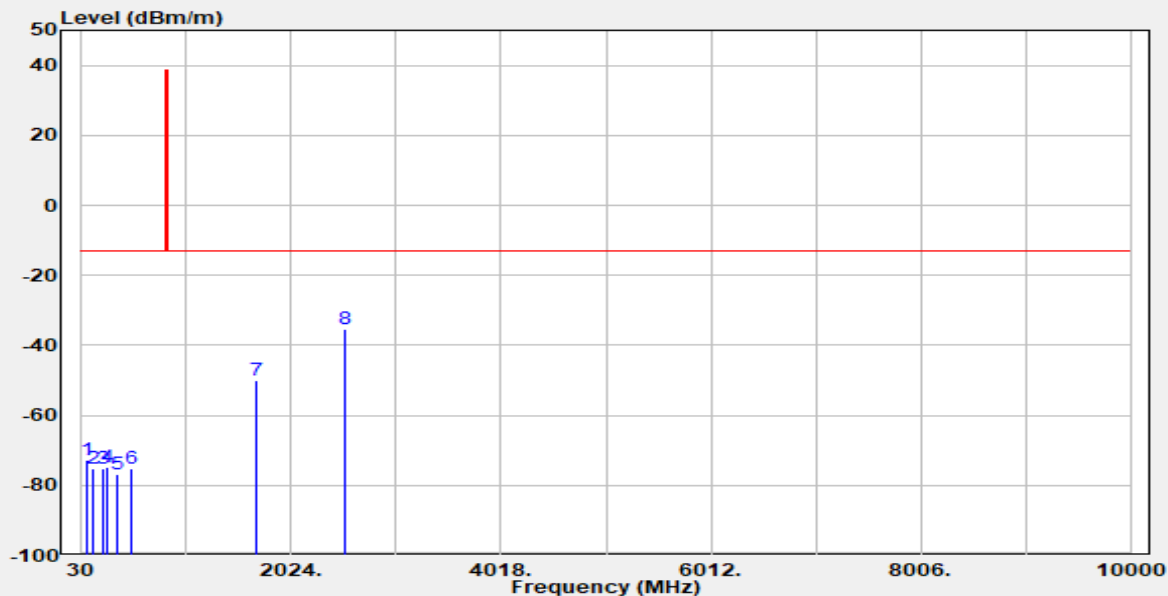
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B5  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :844 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
73.694	-72.78	-65.91	-5.30	-1.57	-13.00	-59.78
143.604	-75.11	-71.09	-1.83	-2.19	-13.00	-62.11
232.933	-75.05	-76.56	4.29	-2.79	-13.00	-62.05
279.540	-75.00	-75.65	3.72	-3.06	-13.00	-62.00
365.956	-76.84	-77.56	4.21	-3.49	-13.00	-63.84
502.863	-75.12	-75.08	4.05	-4.09	-13.00	-62.12
1688.000	-50.13	-52.46	9.88	-7.55	-13.00	-37.13
2532.000	-35.23	-36.42	10.52	-9.33	-13.00	-22.23

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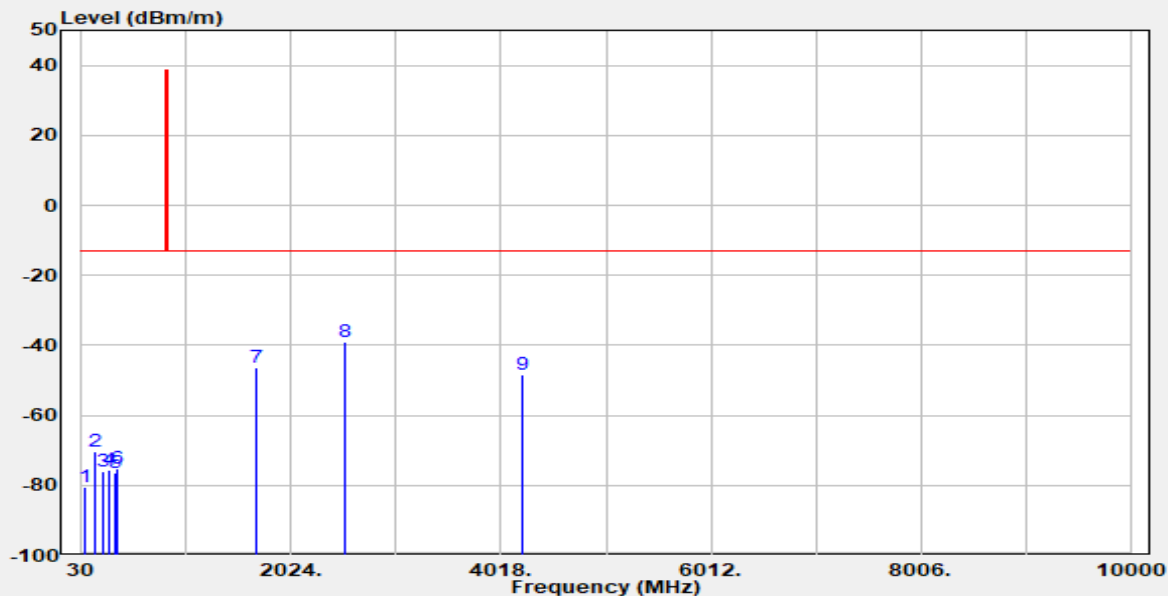
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B5  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :844 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
68.839	-80.38	-71.82	-7.04	-1.52	-13.00	-67.38
153.313	-70.45	-66.75	-1.44	-2.26	-13.00	-57.45
225.165	-76.08	-78.35	5.01	-2.74	-13.00	-63.08
296.046	-75.51	-76.15	3.79	-3.14	-13.00	-62.51
341.682	-76.56	-77.20	4.02	-3.38	-13.00	-63.56
375.666	-75.14	-75.65	4.05	-3.54	-13.00	-62.14
1688.000	-46.33	-48.66	9.88	-7.55	-13.00	-33.33
2532.000	-39.12	-40.31	10.52	-9.33	-13.00	-26.12
4220.000	-48.37	-48.76	12.54	-12.15	-13.00	-35.37

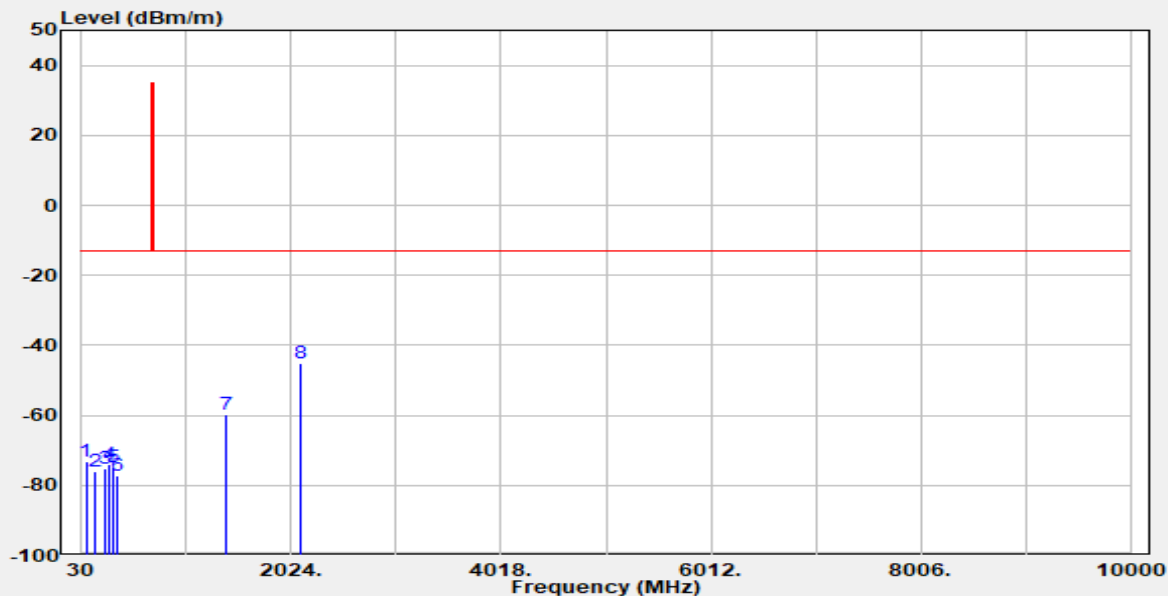
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B12  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :704 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



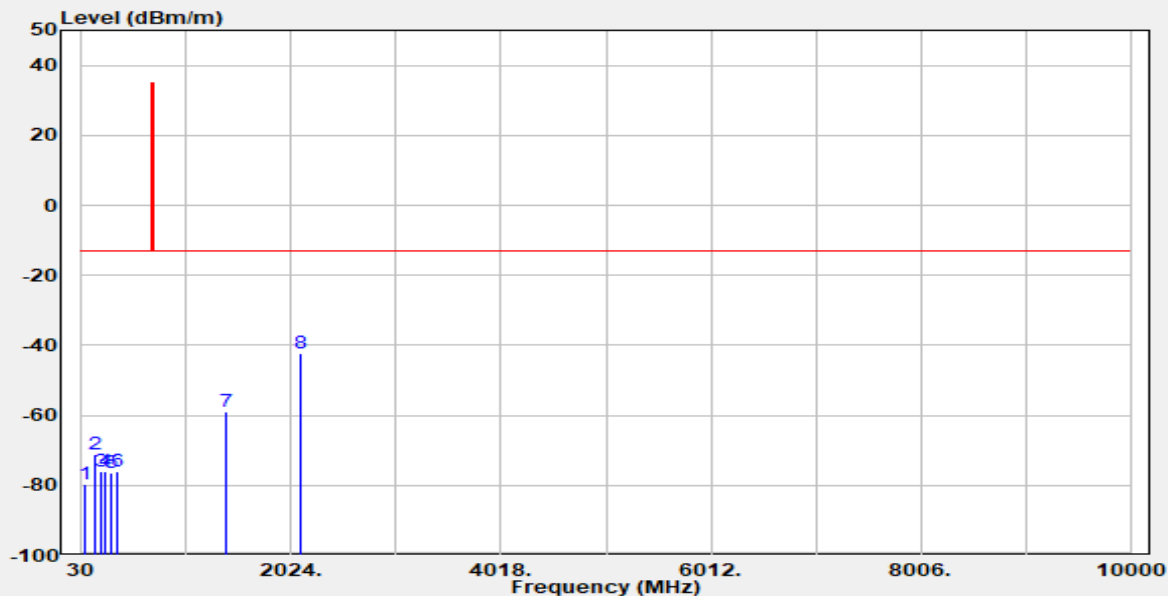
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
70.781	-73.04	-65.06	-6.44	-1.54	-13.00	-60.04
150.400	-75.88	-71.96	-1.68	-2.24	-13.00	-62.88
244.585	-75.26	-76.06	3.66	-2.86	-13.00	-62.26
288.278	-73.85	-74.47	3.71	-3.10	-13.00	-60.85
335.856	-74.76	-75.32	3.90	-3.35	-13.00	-61.76
371.782	-77.42	-78.01	4.11	-3.52	-13.00	-64.42
1408.000	-59.57	-60.27	7.58	-6.88	-13.00	-46.57
2112.000	-45.07	-46.27	9.68	-8.49	-13.00	-32.07

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B12  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :704 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
65.926	-79.58	-70.32	-7.78	-1.49	-13.00	-66.58
148.459	-71.30	-67.43	-1.64	-2.23	-13.00	-58.30
223.223	-75.87	-78.05	4.92	-2.73	-13.00	-62.87
248.469	-75.96	-76.73	3.65	-2.88	-13.00	-62.96
301.872	-76.31	-76.98	3.84	-3.17	-13.00	-63.31
371.782	-76.04	-76.64	4.11	-3.52	-13.00	-63.04
1408.000	-59.05	-59.75	7.58	-6.88	-13.00	-46.05
2112.000	-42.20	-43.40	9.68	-8.49	-13.00	-29.20

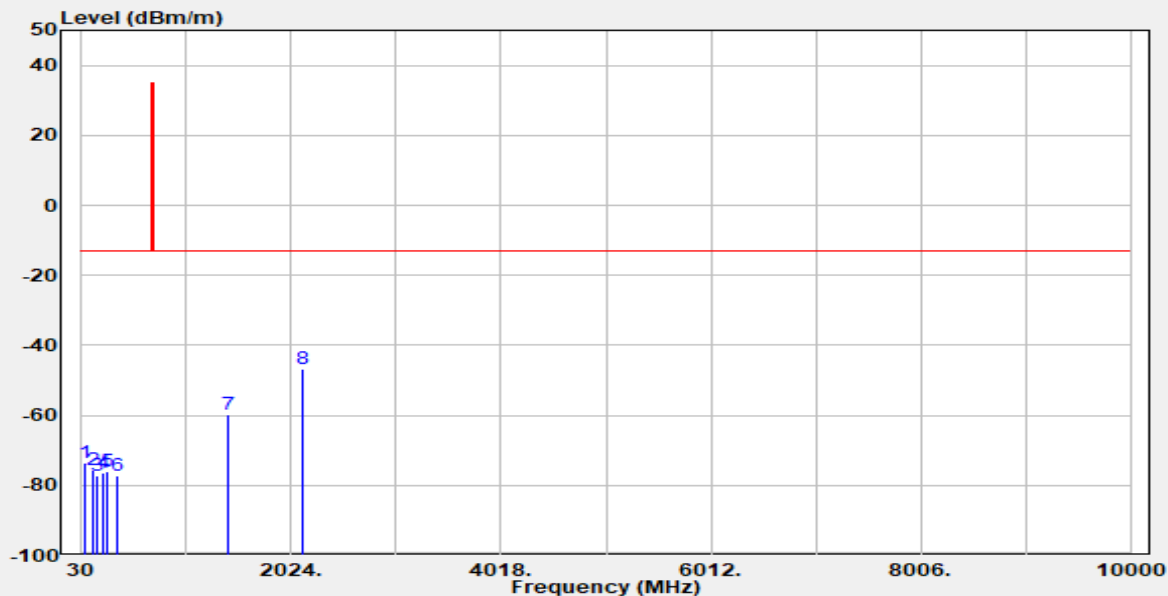
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B12  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :707.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



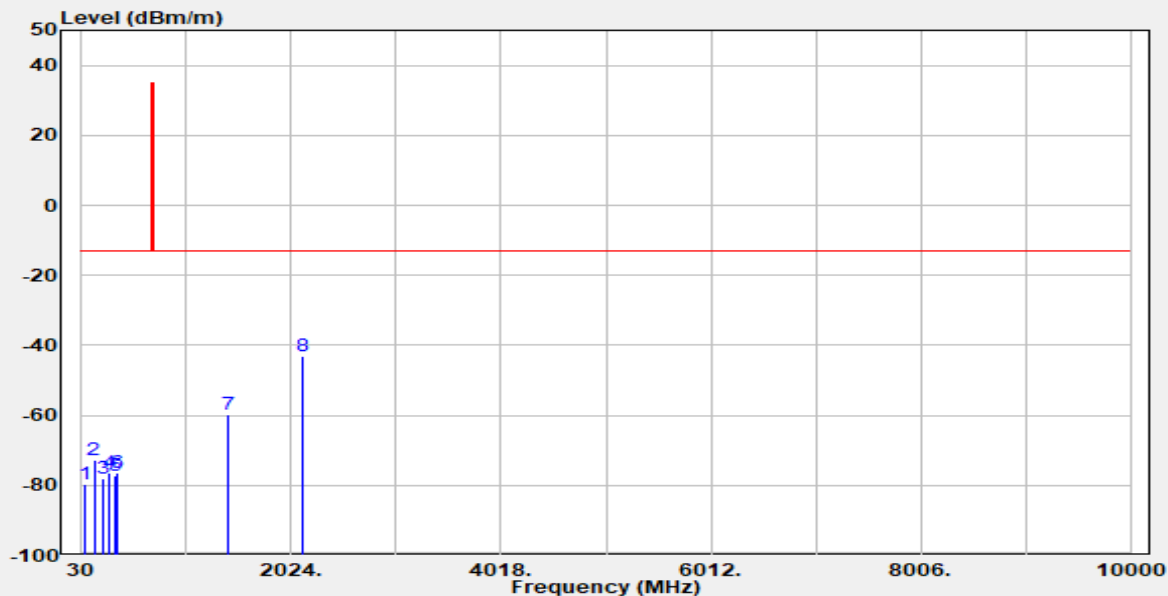
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-73.55	-64.35	-7.70	-1.50	-13.00	-60.55
145.546	-75.41	-71.50	-1.70	-2.20	-13.00	-62.41
177.588	-77.38	-75.87	0.93	-2.44	-13.00	-64.38
226.136	-76.37	-78.57	4.95	-2.75	-13.00	-63.37
279.540	-75.82	-76.48	3.72	-3.06	-13.00	-62.82
364.985	-77.43	-78.18	4.23	-3.48	-13.00	-64.43
1415.000	-59.71	-60.46	7.65	-6.90	-13.00	-46.71
2122.500	-46.93	-48.00	9.58	-8.51	-13.00	-33.93

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B12  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :707.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
65.926	-79.78	-70.51	-7.78	-1.49	-13.00	-66.78
147.488	-72.95	-68.94	-1.79	-2.22	-13.00	-59.95
230.991	-77.97	-79.76	4.57	-2.78	-13.00	-64.97
296.046	-76.55	-77.20	3.79	-3.14	-13.00	-63.55
339.740	-77.22	-77.86	4.00	-3.37	-13.00	-64.22
368.869	-76.22	-76.88	4.16	-3.50	-13.00	-63.22
1415.000	-59.77	-60.52	7.65	-6.90	-13.00	-46.77
2122.500	-42.93	-44.00	9.58	-8.51	-13.00	-29.93

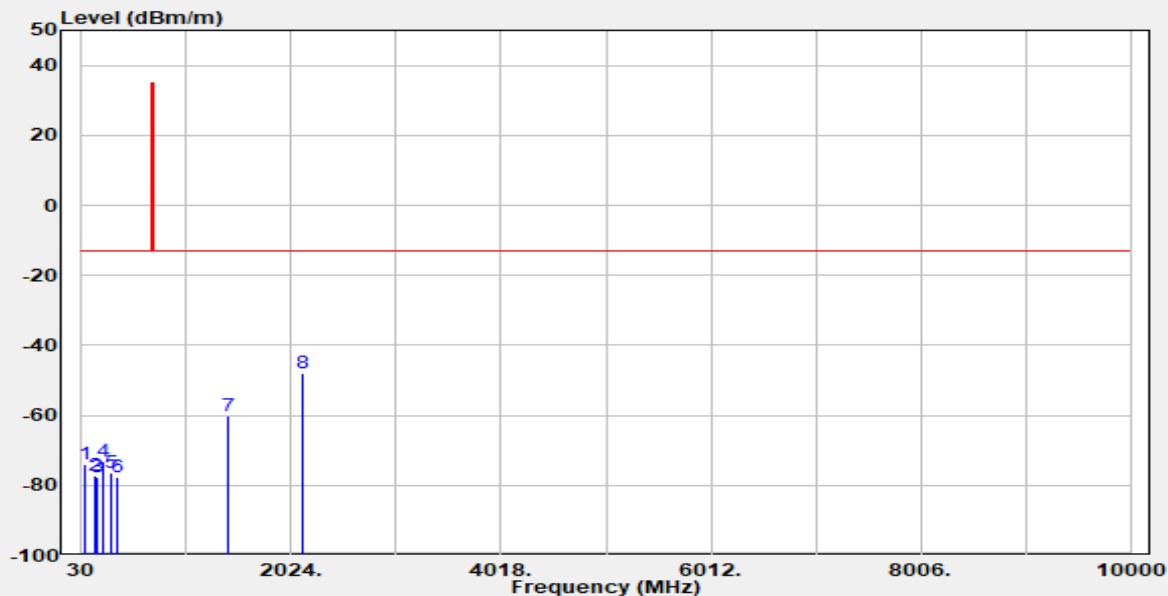
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B12  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :711 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



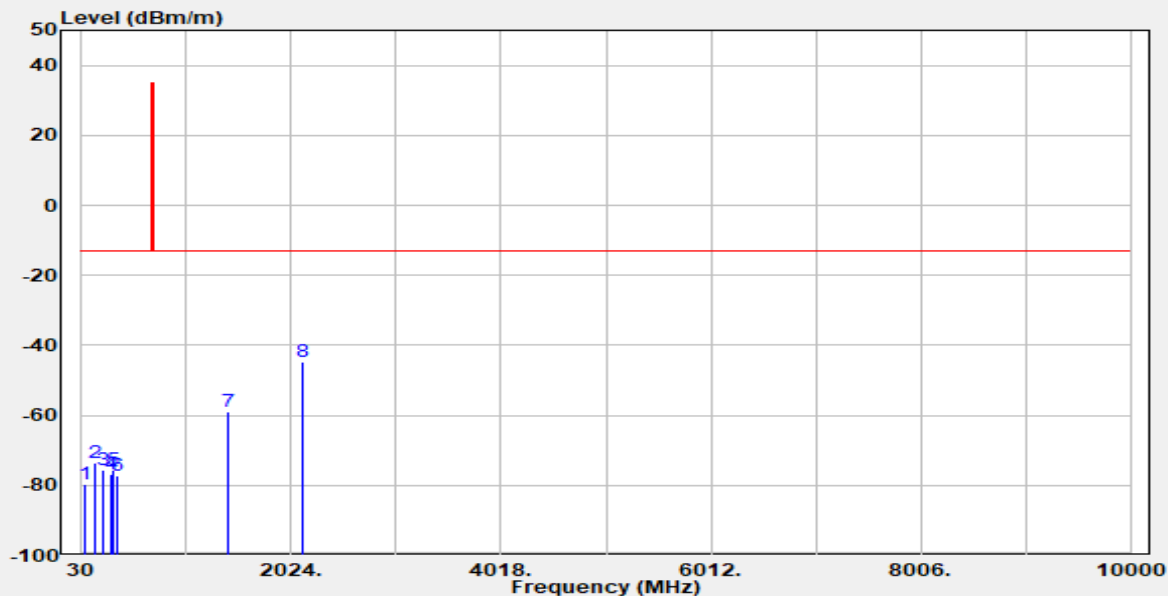
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
69.810	-74.15	-65.95	-6.68	-1.53	-13.00	-61.15
150.400	-77.26	-73.34	-1.68	-2.24	-13.00	-64.26
179.530	-77.50	-76.22	1.17	-2.45	-13.00	-64.50
237.788	-73.28	-74.29	3.82	-2.82	-13.00	-60.28
310.611	-76.50	-77.09	3.80	-3.21	-13.00	-63.50
368.869	-77.59	-78.24	4.16	-3.50	-13.00	-64.59
1422.000	-60.32	-61.11	7.70	-6.91	-13.00	-47.32
2133.000	-47.81	-48.77	9.50	-8.53	-13.00	-34.81

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B12  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :711 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.013	-79.61	-69.33	-8.83	-1.45	-13.00	-66.61
153.313	-73.42	-69.72	-1.44	-2.26	-13.00	-60.42
242.643	-75.59	-76.41	3.67	-2.85	-13.00	-62.59
306.727	-76.93	-77.59	3.85	-3.19	-13.00	-63.93
335.856	-75.69	-76.24	3.90	-3.35	-13.00	-62.69
367.898	-77.24	-77.92	4.18	-3.50	-13.00	-64.24
1422.000	-58.95	-59.73	7.70	-6.91	-13.00	-45.95
2133.000	-44.79	-45.76	9.50	-8.53	-13.00	-31.79

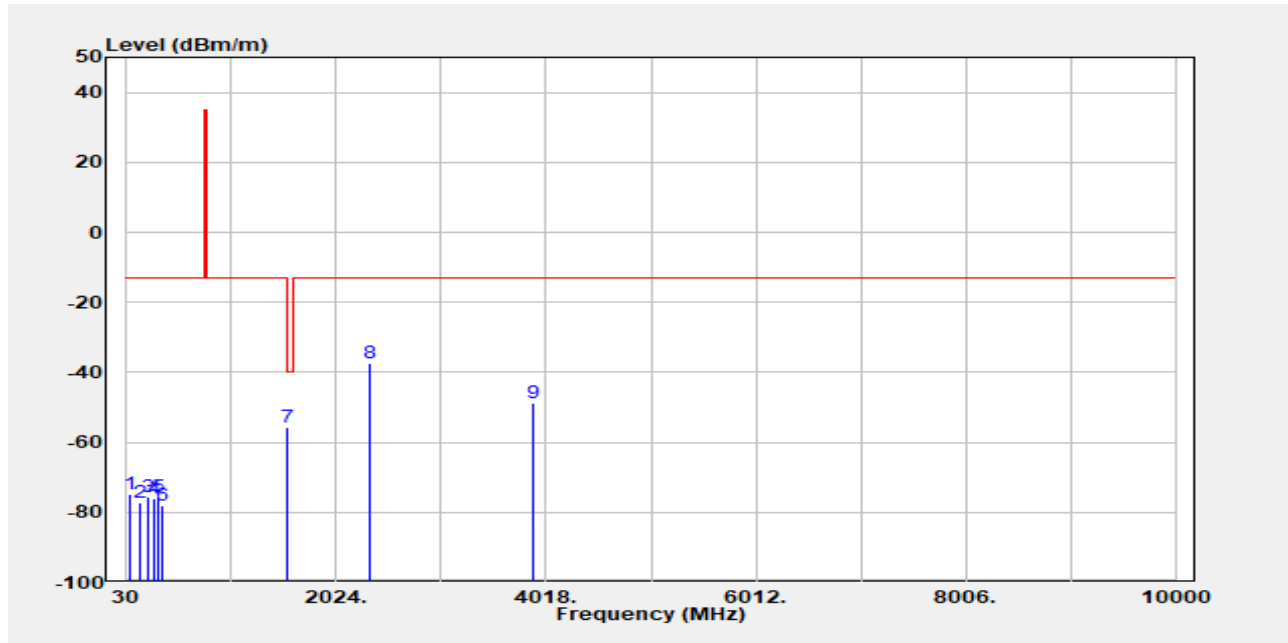
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :779.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
69.810	-74.81	-66.60	-6.68	-1.53	-13.00	-61.81
149.429	-77.41	-73.56	-1.62	-2.24	-13.00	-64.41
232.933	-75.56	-77.07	4.29	-2.79	-13.00	-62.56
288.278	-75.96	-76.57	3.71	-3.10	-13.00	-62.96
335.856	-75.46	-76.01	3.90	-3.35	-13.00	-62.46
364.985	-77.86	-78.61	4.23	-3.48	-13.00	-64.86
1559.000	-55.52	-57.46	9.19	-7.25	-40.00	-15.52
2338.500	-37.42	-38.33	9.87	-8.96	-13.00	-24.42
3897.500	-48.67	-49.41	12.40	-11.66	-13.00	-35.67

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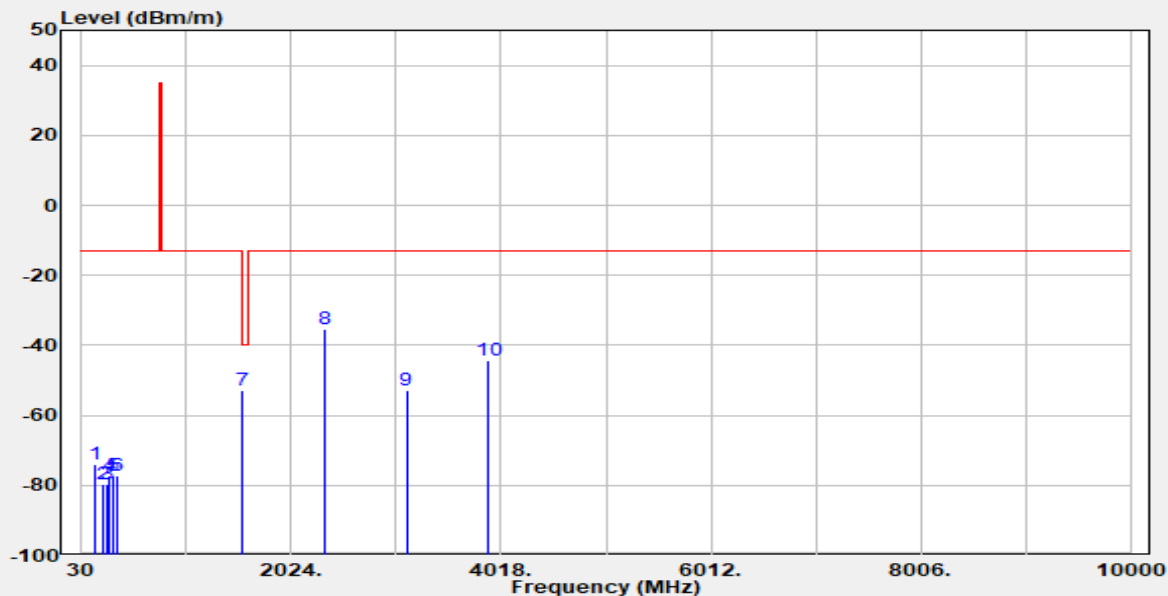
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :779.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
155.255	-73.93	-70.19	-1.47	-2.28	-13.00	-60.93
227.107	-79.53	-81.66	4.89	-2.75	-13.00	-66.53
265.946	-79.71	-80.87	4.16	-2.99	-13.00	-66.71
297.988	-77.30	-77.96	3.80	-3.15	-13.00	-64.30
335.856	-77.25	-77.80	3.90	-3.35	-13.00	-64.25
368.869	-77.31	-77.96	4.16	-3.50	-13.00	-64.31
1559.000	-52.80	-54.74	9.19	-7.25	-40.00	-12.80
2338.500	-35.16	-36.08	9.87	-8.96	-13.00	-22.16
3118.000	-52.84	-53.73	11.30	-10.40	-13.00	-39.84
3897.500	-44.27	-45.02	12.40	-11.66	-13.00	-31.27

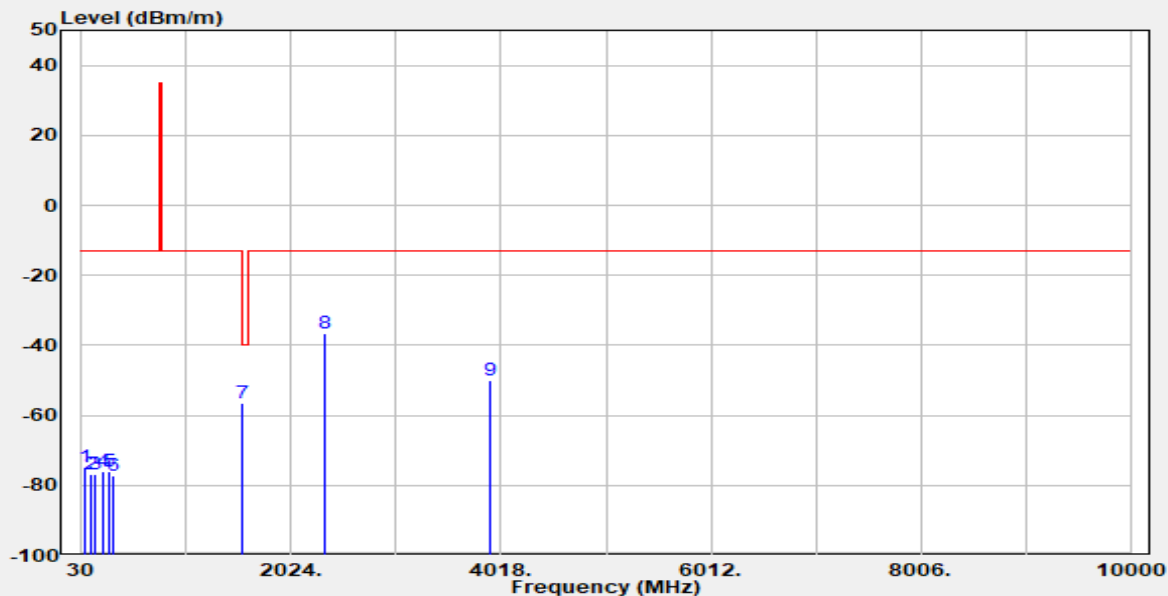
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-74.68	-65.48	-7.70	-1.50	-13.00	-61.68
124.184	-76.71	-73.11	-1.56	-2.04	-13.00	-63.71
151.371	-76.96	-73.10	-1.62	-2.25	-13.00	-63.96
230.020	-76.03	-77.96	4.71	-2.77	-13.00	-63.03
297.988	-76.22	-76.87	3.80	-3.15	-13.00	-63.22
335.856	-77.07	-77.62	3.90	-3.35	-13.00	-64.07
1564.000	-56.43	-58.37	9.20	-7.26	-40.00	-16.43
2346.000	-36.40	-37.33	9.90	-8.97	-13.00	-23.40
3910.000	-50.04	-50.79	12.42	-11.67	-13.00	-37.04

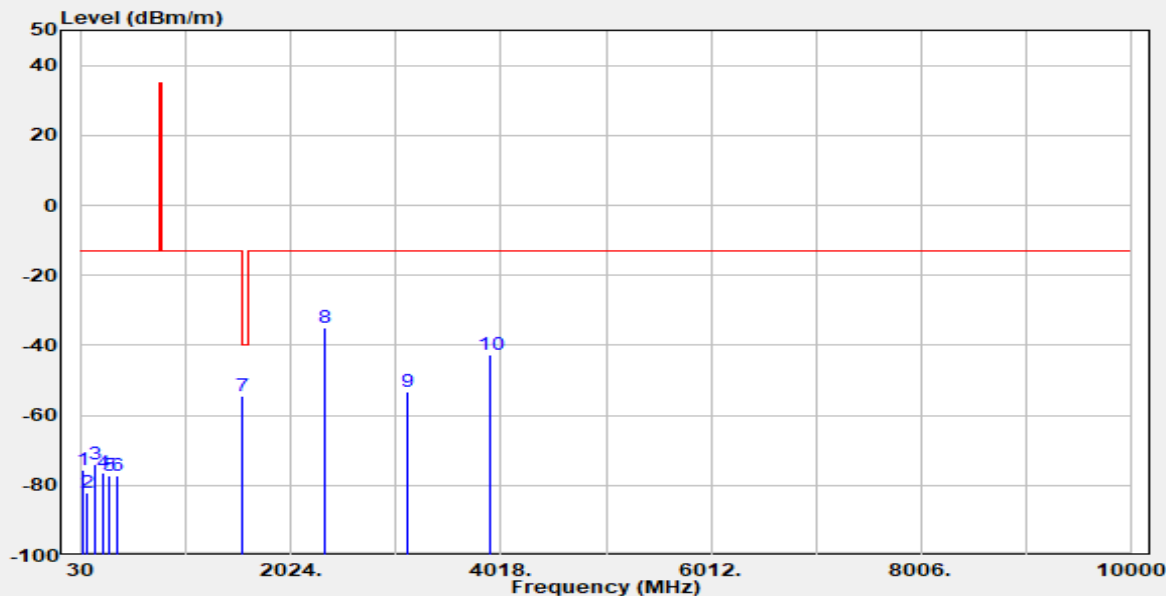
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



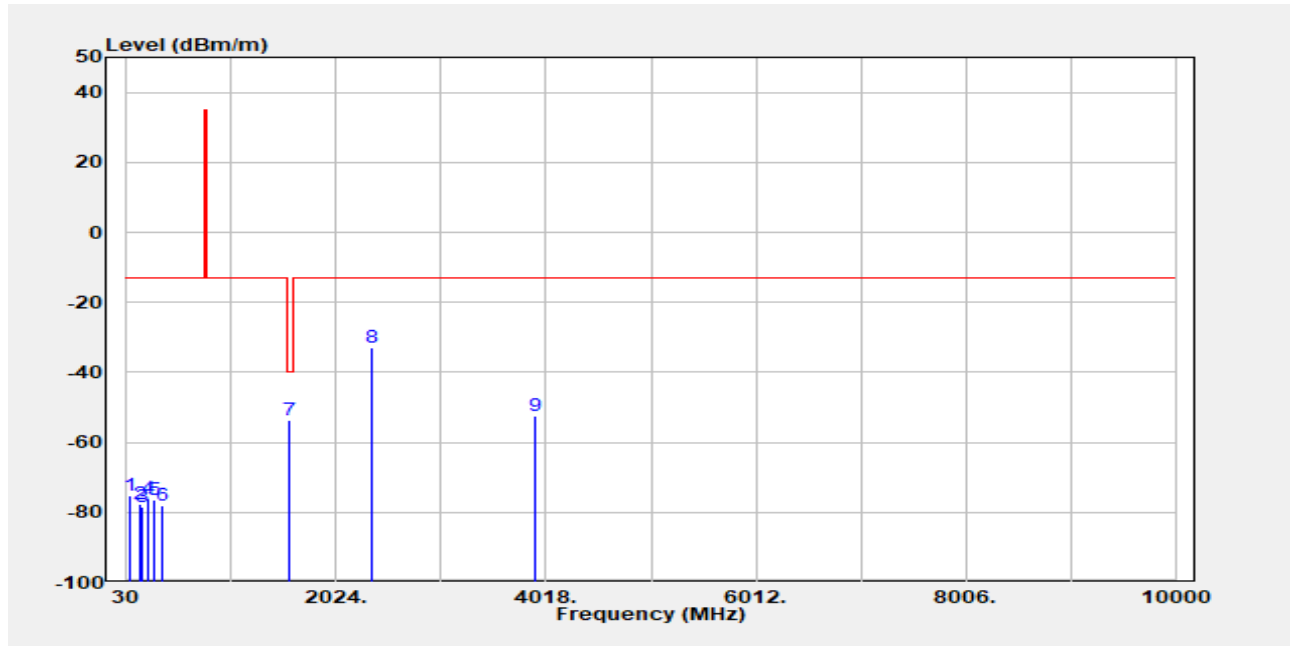
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
50.390	-75.67	-62.41	-11.95	-1.30	-13.00	-62.67
87.287	-82.02	-79.11	-1.20	-1.71	-13.00	-69.02
157.197	-74.10	-70.62	-1.19	-2.29	-13.00	-61.10
237.788	-76.28	-77.29	3.82	-2.82	-13.00	-63.28
298.959	-77.37	-78.02	3.81	-3.15	-13.00	-64.37
367.898	-77.25	-77.93	4.18	-3.50	-13.00	-64.25
1564.000	-54.27	-56.21	9.20	-7.26	-40.00	-14.27
2346.000	-35.05	-35.98	9.90	-8.97	-13.00	-22.05
3128.000	-53.29	-54.17	11.30	-10.42	-13.00	-40.29
3910.000	-42.52	-43.26	12.42	-11.67	-13.00	-29.52

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :784.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



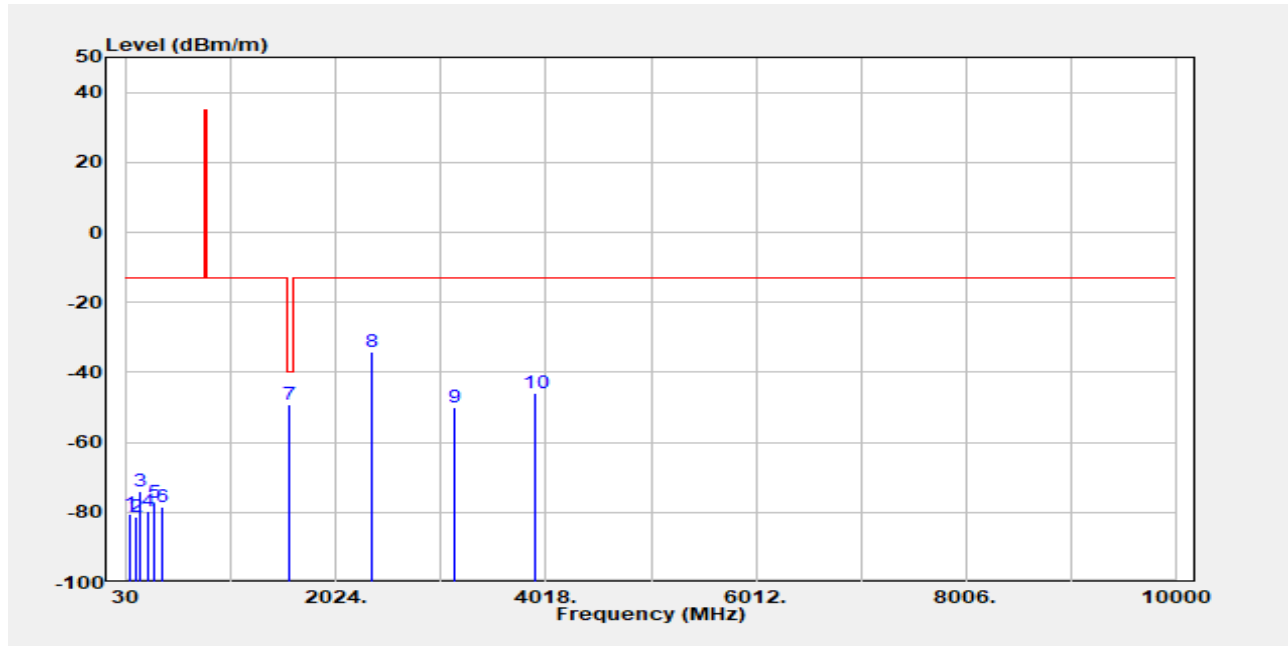
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-75.19	-65.99	-7.70	-1.50	-13.00	-62.19
148.459	-77.83	-73.96	-1.64	-2.23	-13.00	-64.83
180.501	-78.63	-77.49	1.31	-2.45	-13.00	-65.63
226.136	-76.20	-78.41	4.95	-2.75	-13.00	-63.20
297.017	-76.44	-77.09	3.80	-3.15	-13.00	-63.44
368.869	-77.89	-78.55	4.16	-3.50	-13.00	-64.89
1569.000	-53.64	-55.57	9.20	-7.27	-40.00	-13.64
2353.500	-33.09	-34.04	9.93	-8.99	-13.00	-20.09
3922.500	-52.42	-53.18	12.45	-11.69	-13.00	-39.42

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Report Number :TERF2412003861ER  
 Operation Mode :CAT-M1 B13  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :784.5 MHz

Test Site :SAC 3  
 Test Date :2024-12-31  
 Temp./Humi. :20.7°C/55%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



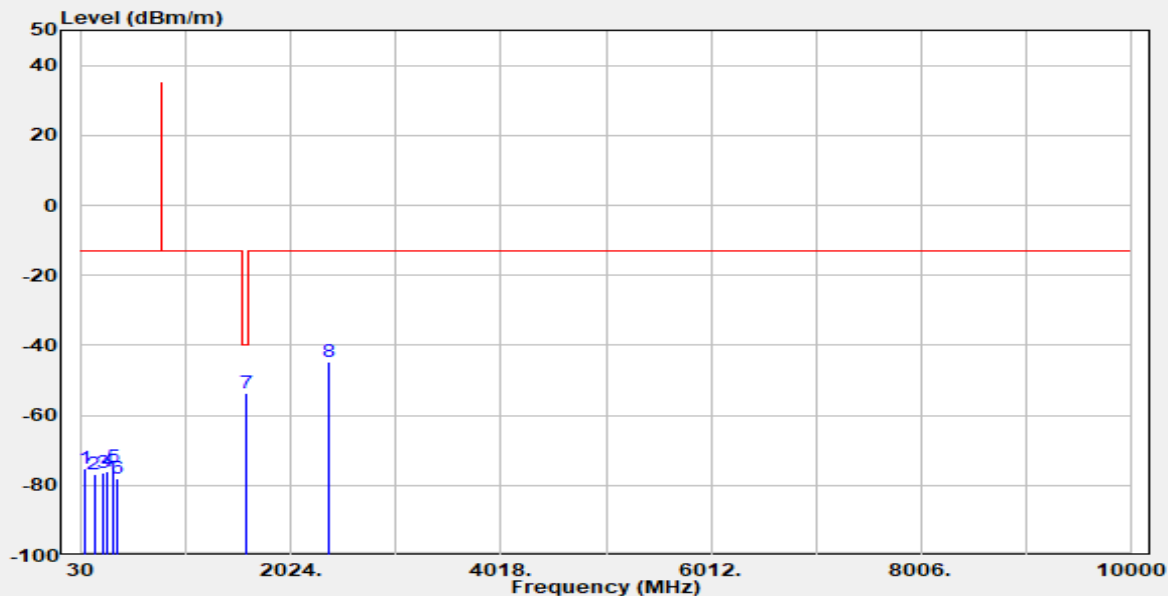
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-80.38	-71.18	-7.70	-1.50	-13.00	-67.38
121.271	-81.28	-77.79	-1.47	-2.02	-13.00	-68.28
150.400	-74.01	-70.09	-1.68	-2.24	-13.00	-61.01
237.788	-79.74	-80.74	3.82	-2.82	-13.00	-66.74
297.017	-77.36	-78.02	3.80	-3.15	-13.00	-64.36
364.014	-78.33	-79.08	4.23	-3.48	-13.00	-65.33
1569.000	-49.08	-51.01	9.20	-7.27	-40.00	-9.08
2353.500	-34.20	-35.14	9.93	-8.99	-13.00	-21.20
3138.000	-50.07	-50.93	11.30	-10.44	-13.00	-37.07
3922.500	-46.08	-46.83	12.45	-11.69	-13.00	-33.08

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Report Number	:TERF2412003861ER
Operation Mode	:CAT-M1 B14
Test Mode	:Tx
EUT Pol	:NB Mode
Test Frequency	:793 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



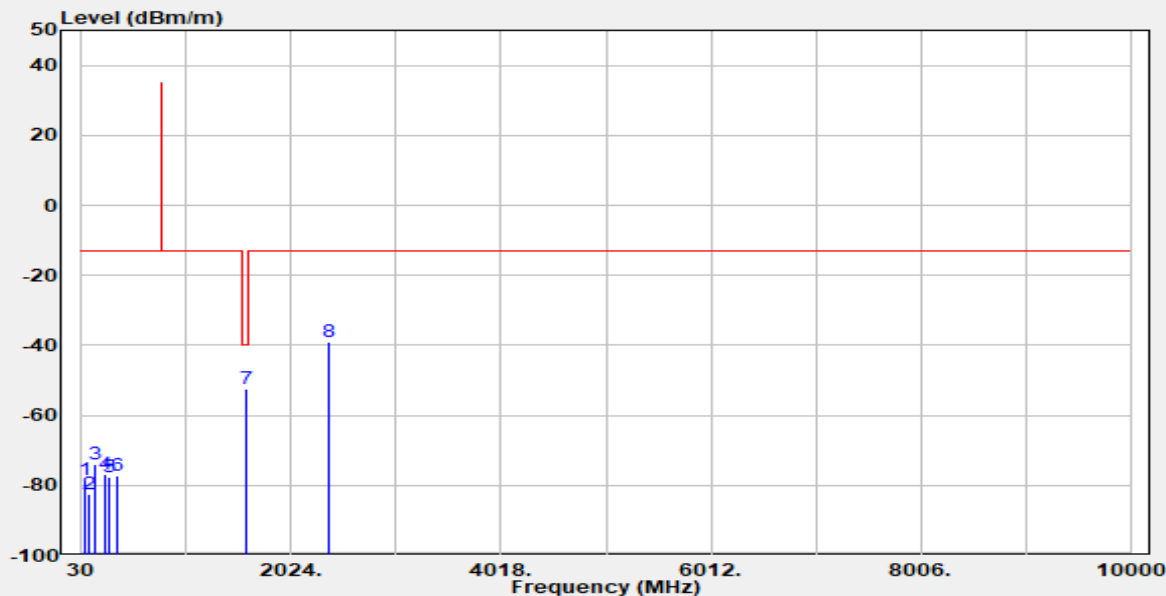
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
66.897	-75.39	-66.19	-7.70	-1.50	-13.00	-62.39
147.488	-76.88	-72.87	-1.79	-2.22	-13.00	-63.88
229.049	-76.54	-78.55	4.77	-2.76	-13.00	-63.54
279.540	-76.06	-76.72	3.72	-3.06	-13.00	-63.06
335.856	-74.89	-75.44	3.90	-3.35	-13.00	-61.89
364.985	-77.98	-78.72	4.23	-3.48	-13.00	-64.98
1586.000	-53.49	-55.38	9.20	-7.31	-40.00	-13.49
2379.000	-44.76	-45.91	10.19	-9.04	-13.00	-31.76

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B14  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :793 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
56.216	-78.32	-66.15	-10.80	-1.37	-13.00	-65.32
96.026	-82.44	-79.77	-0.88	-1.79	-13.00	-69.44
150.400	-74.09	-70.18	-1.68	-2.24	-13.00	-61.09
246.527	-76.82	-77.61	3.65	-2.87	-13.00	-63.82
298.959	-77.45	-78.11	3.81	-3.15	-13.00	-64.45
374.695	-77.22	-77.75	4.06	-3.53	-13.00	-64.22
1586.000	-52.33	-54.22	9.20	-7.31	-40.00	-12.33
2379.000	-39.18	-40.34	10.19	-9.04	-13.00	-26.18

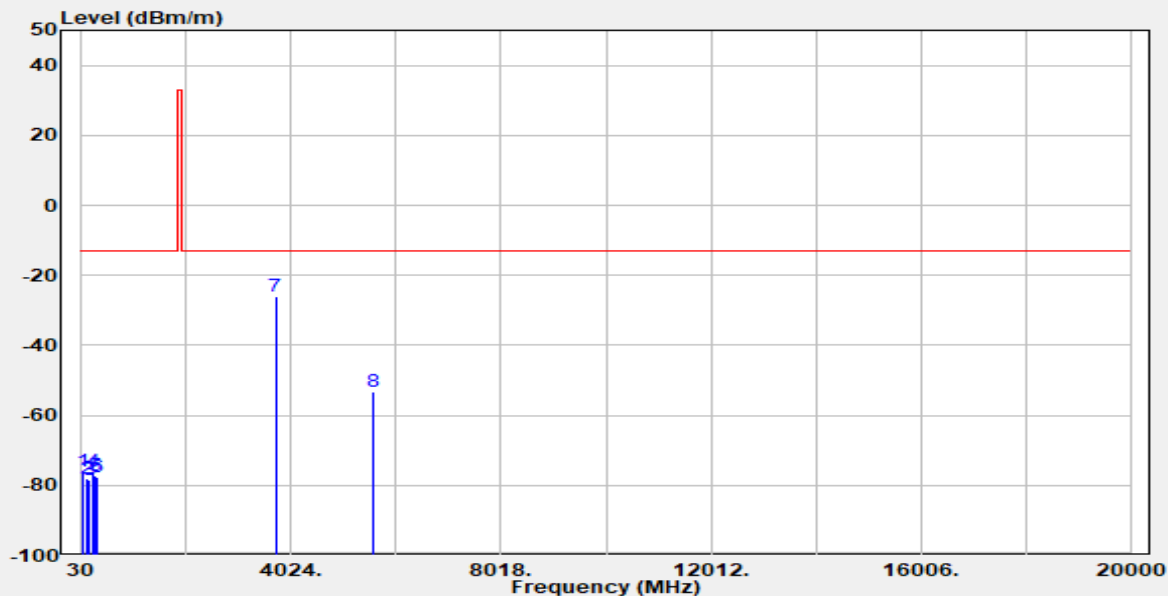
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B25  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1860 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
65.926	-75.95	-66.68	-7.78	-1.49	-13.00	-62.95
143.604	-77.97	-73.94	-1.83	-2.19	-13.00	-64.97
182.442	-78.46	-77.64	1.65	-2.47	-13.00	-65.46
230.020	-76.00	-77.93	4.71	-2.77	-13.00	-63.00
285.365	-77.24	-77.84	3.68	-3.09	-13.00	-64.24
335.856	-77.46	-78.02	3.90	-3.35	-13.00	-64.46
3720.000	-25.81	-26.93	12.50	-11.38	-13.00	-12.81
5580.000	-53.29	-52.31	13.12	-14.10	-13.00	-40.29

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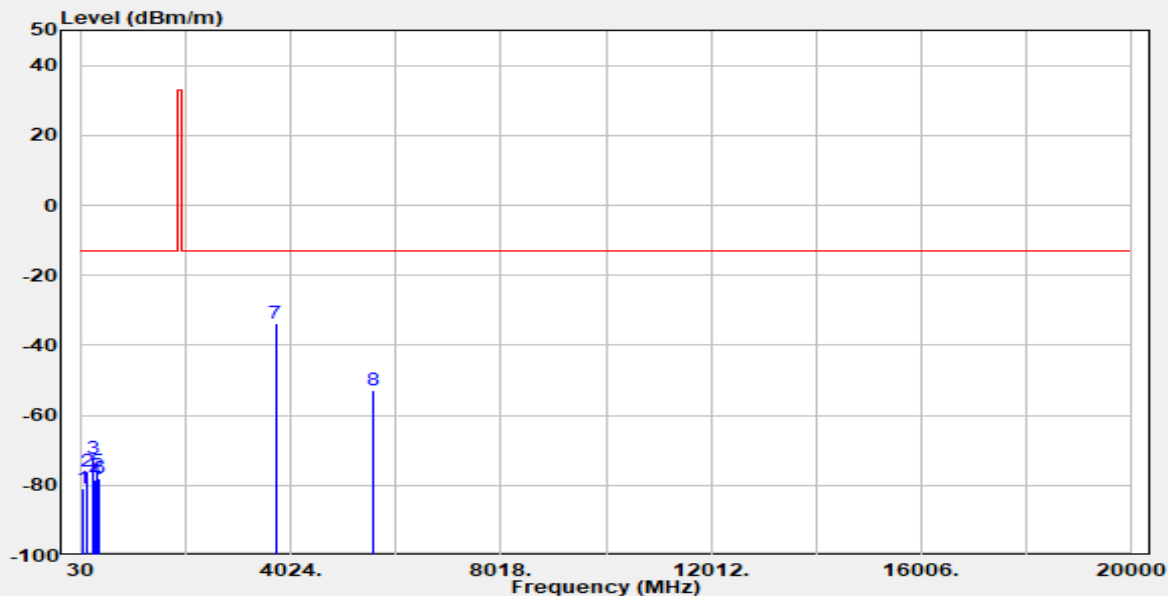
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B25  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1860 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
65.926	-80.73	-71.47	-7.78	-1.49	-13.00	-67.73
148.459	-75.92	-72.05	-1.64	-2.23	-13.00	-62.92
242.643	-72.49	-73.31	3.67	-2.85	-13.00	-59.49
297.988	-78.38	-79.03	3.80	-3.15	-13.00	-65.38
335.856	-76.01	-76.56	3.90	-3.35	-13.00	-63.01
377.608	-77.96	-78.44	4.02	-3.55	-13.00	-64.96
3720.000	-33.68	-34.79	12.50	-11.38	-13.00	-20.68
5580.000	-52.75	-51.77	13.12	-14.10	-13.00	-39.75

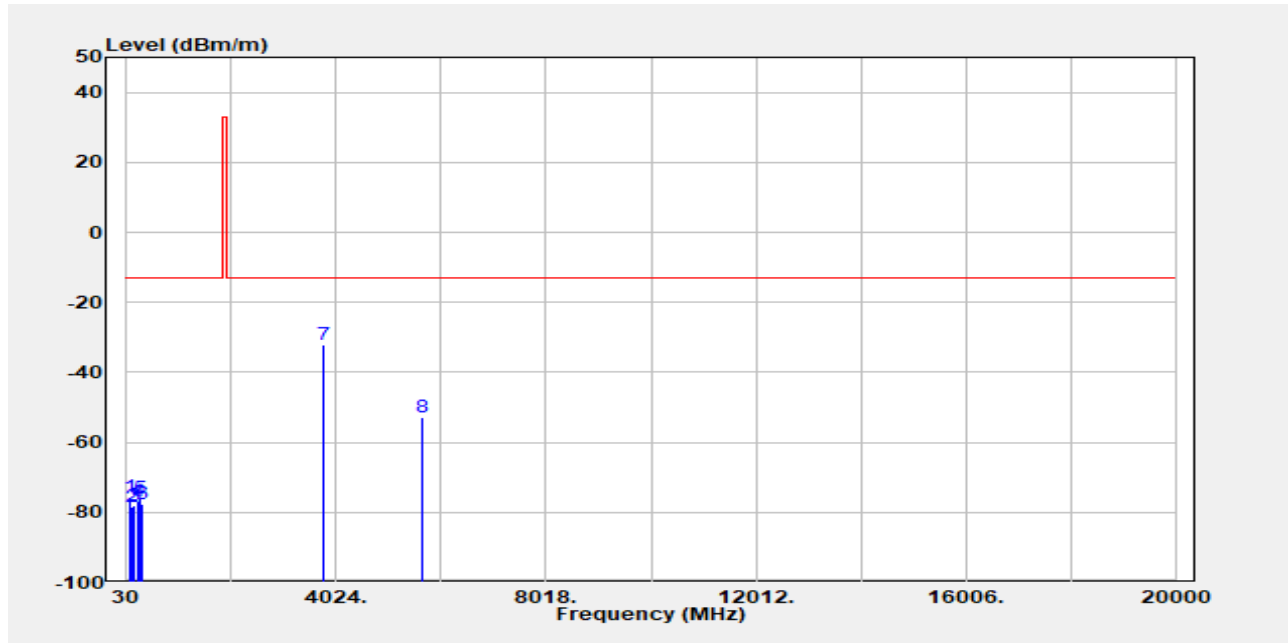
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B25  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1882.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



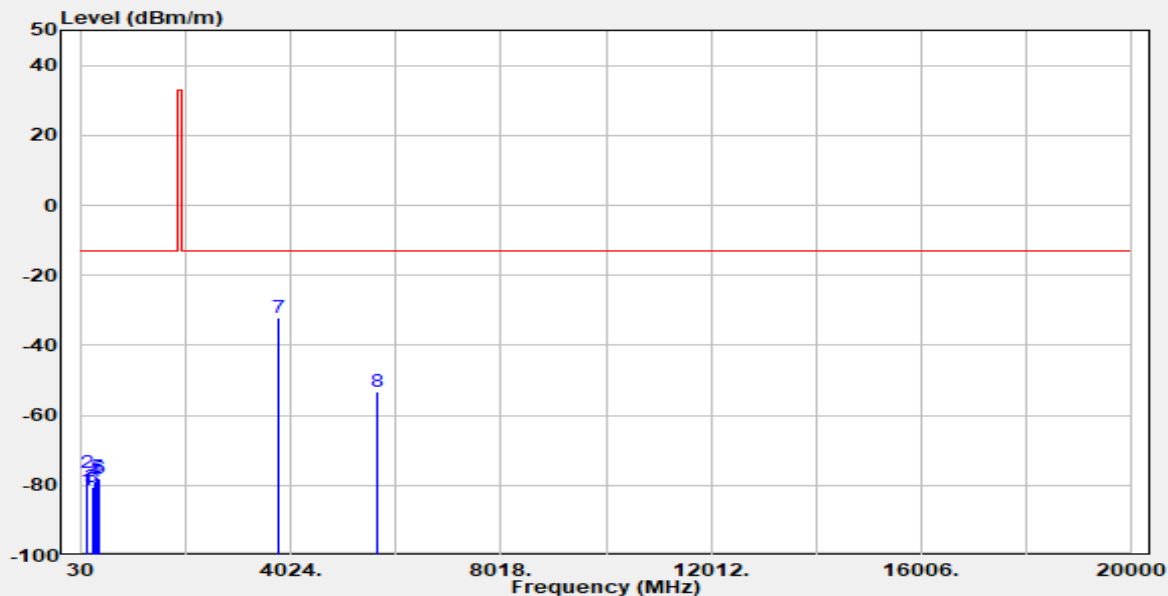
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
75.636	-75.66	-69.31	-4.75	-1.59	-13.00	-62.66
136.807	-78.32	-74.48	-1.70	-2.14	-13.00	-65.32
183.413	-78.12	-77.44	1.79	-2.47	-13.00	-65.12
229.049	-76.89	-78.90	4.77	-2.76	-13.00	-63.89
283.423	-76.13	-76.75	3.69	-3.08	-13.00	-63.13
326.146	-77.72	-78.32	3.90	-3.30	-13.00	-64.72
3765.000	-31.95	-33.00	12.50	-11.45	-13.00	-18.95
5647.500	-52.80	-51.92	13.30	-14.18	-13.00	-39.80

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B25  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1882.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



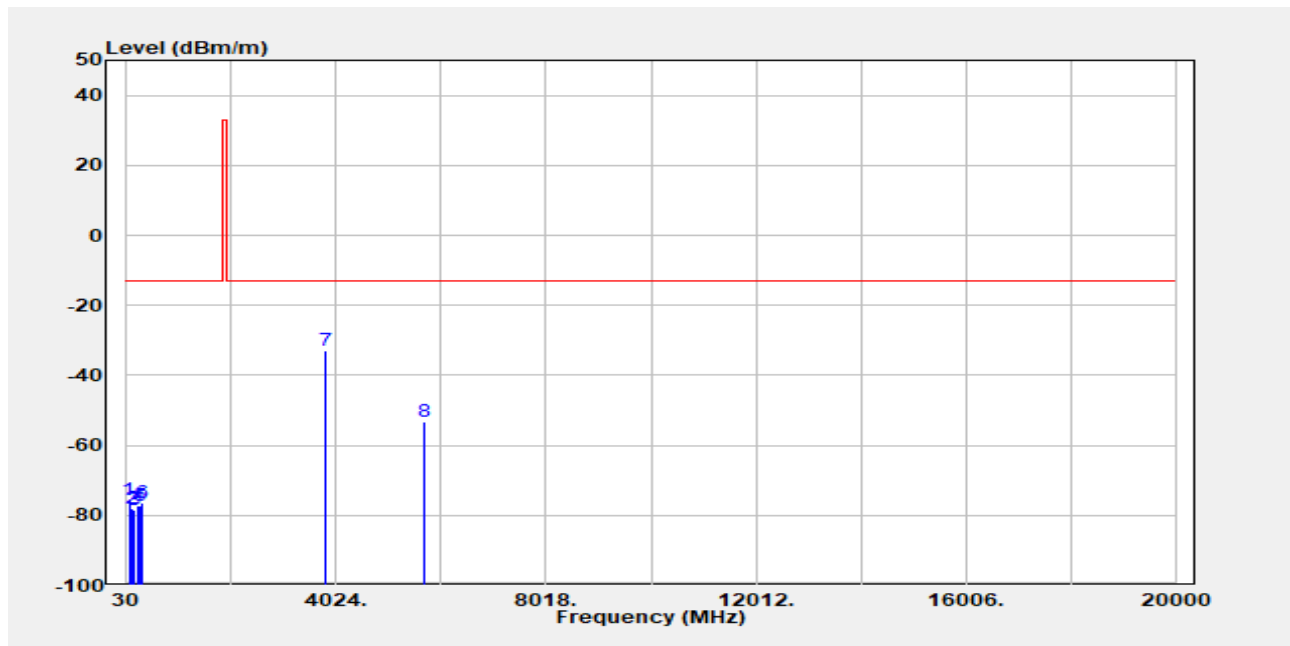
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
120.300	-81.23	-77.70	-1.52	-2.01	-13.00	-68.23
147.488	-76.37	-72.35	-1.79	-2.22	-13.00	-63.37
227.107	-80.55	-82.68	4.89	-2.75	-13.00	-67.55
299.930	-79.00	-79.66	3.82	-3.16	-13.00	-66.00
335.856	-77.67	-78.22	3.90	-3.35	-13.00	-64.67
373.724	-77.91	-78.46	4.08	-3.53	-13.00	-64.91
3765.000	-32.05	-33.10	12.50	-11.45	-13.00	-19.05
5647.500	-53.45	-52.56	13.30	-14.18	-13.00	-40.45

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B25  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1905 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



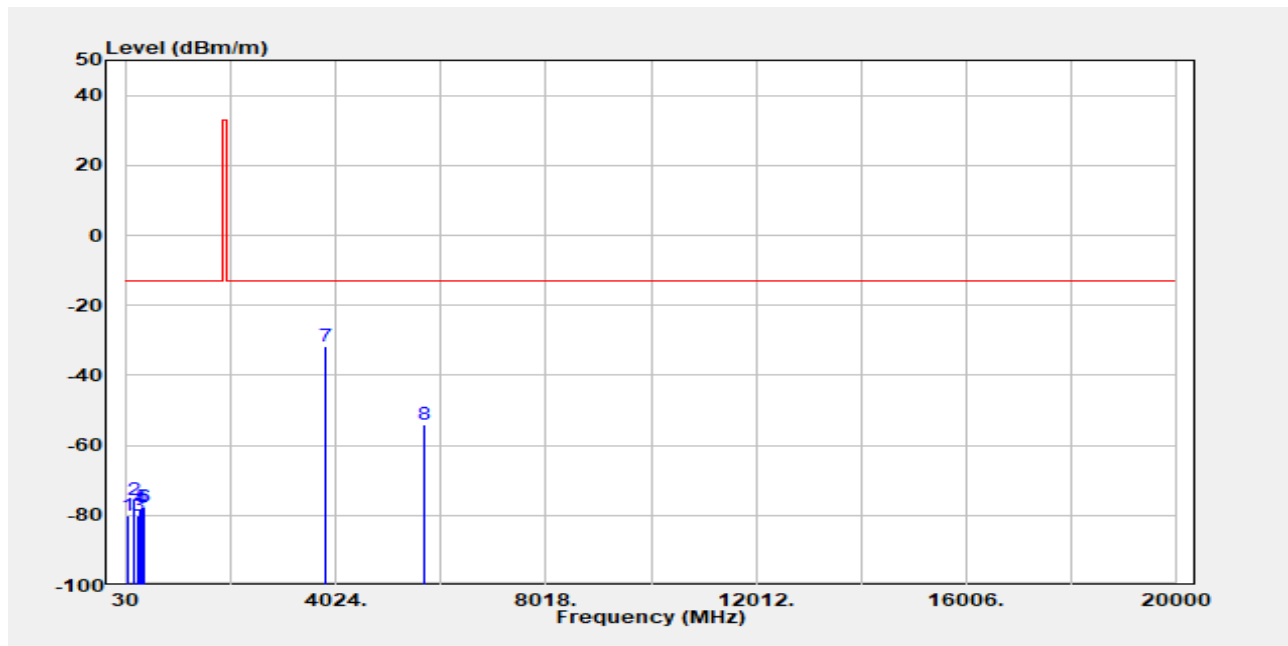
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
73.694	-75.78	-68.91	-5.30	-1.57	-13.00	-62.78
137.778	-78.06	-74.13	-1.79	-2.14	-13.00	-65.06
177.588	-78.48	-76.98	0.93	-2.44	-13.00	-65.48
230.020	-77.36	-79.29	4.71	-2.77	-13.00	-64.36
283.423	-77.32	-77.94	3.69	-3.08	-13.00	-64.32
335.856	-76.53	-77.08	3.90	-3.35	-13.00	-63.53
3810.000	-32.88	-33.84	12.48	-11.52	-13.00	-19.88
5715.000	-53.37	-52.20	13.10	-14.27	-13.00	-40.37

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B25  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1905 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



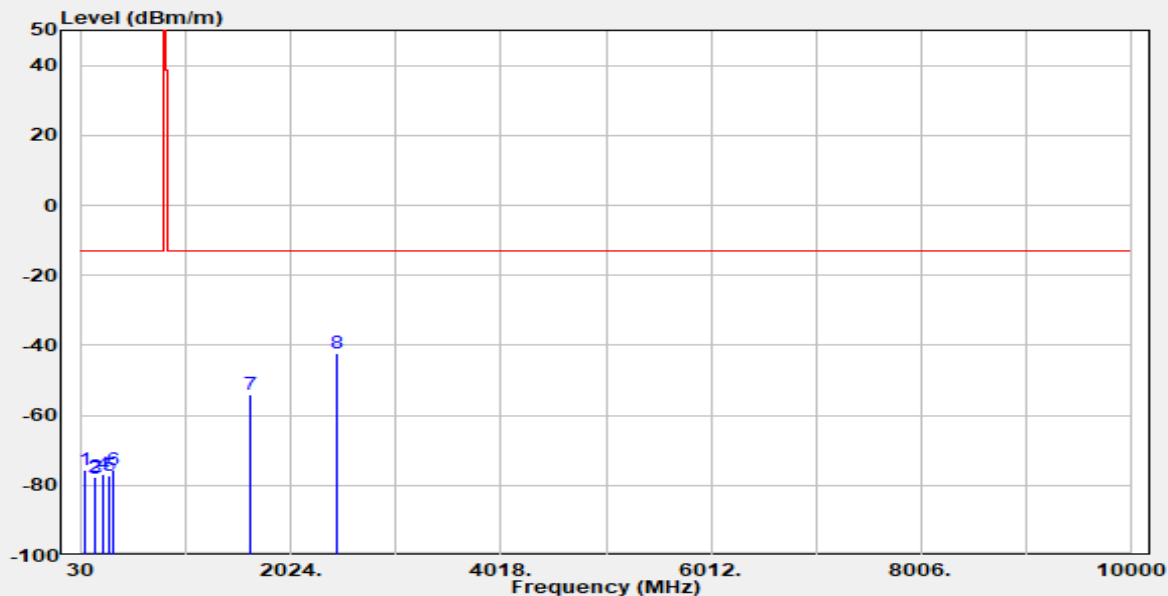
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
61.071	-79.89	-69.07	-9.39	-1.43	-13.00	-66.89
151.371	-75.60	-71.73	-1.62	-2.25	-13.00	-62.60
230.991	-80.15	-81.94	4.57	-2.78	-13.00	-67.15
300.901	-78.10	-78.76	3.83	-3.16	-13.00	-65.10
335.856	-77.46	-78.02	3.90	-3.35	-13.00	-64.46
370.811	-77.60	-78.21	4.13	-3.51	-13.00	-64.60
3810.000	-31.80	-32.76	12.48	-11.52	-13.00	-18.80
5715.000	-54.15	-52.98	13.10	-14.27	-13.00	-41.15

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26\_Part 90S  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :819 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
68.839	-75.41	-66.85	-7.04	-1.52	-13.00	-62.41
148.459	-77.76	-73.89	-1.64	-2.23	-13.00	-64.76
165.936	-78.25	-75.37	-0.52	-2.36	-13.00	-65.25
230.020	-76.67	-78.61	4.71	-2.77	-13.00	-63.67
290.220	-77.41	-78.03	3.73	-3.11	-13.00	-64.41
335.856	-75.54	-76.09	3.90	-3.35	-13.00	-62.54
1638.000	-54.01	-55.97	9.40	-7.43	-13.00	-41.01
2457.000	-42.36	-43.63	10.47	-9.19	-13.00	-29.36

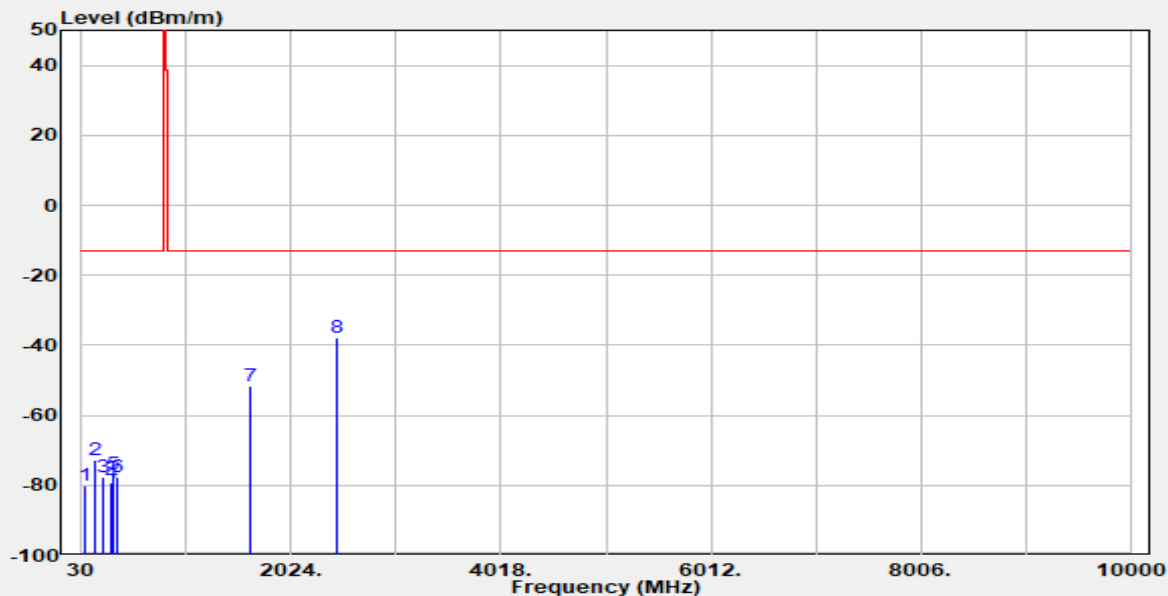
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26\_Part 90S  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :819 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-80.12	-70.92	-7.70	-1.50	-13.00	-67.12
153.313	-72.96	-69.25	-1.44	-2.26	-13.00	-59.96
233.904	-77.60	-78.96	4.16	-2.79	-13.00	-64.60
302.843	-79.26	-79.93	3.85	-3.17	-13.00	-66.26
335.856	-76.68	-77.24	3.90	-3.35	-13.00	-63.68
375.666	-77.60	-78.11	4.05	-3.54	-13.00	-64.60
1638.000	-51.53	-53.49	9.40	-7.43	-13.00	-38.53
2457.000	-37.63	-38.91	10.47	-9.19	-13.00	-24.63

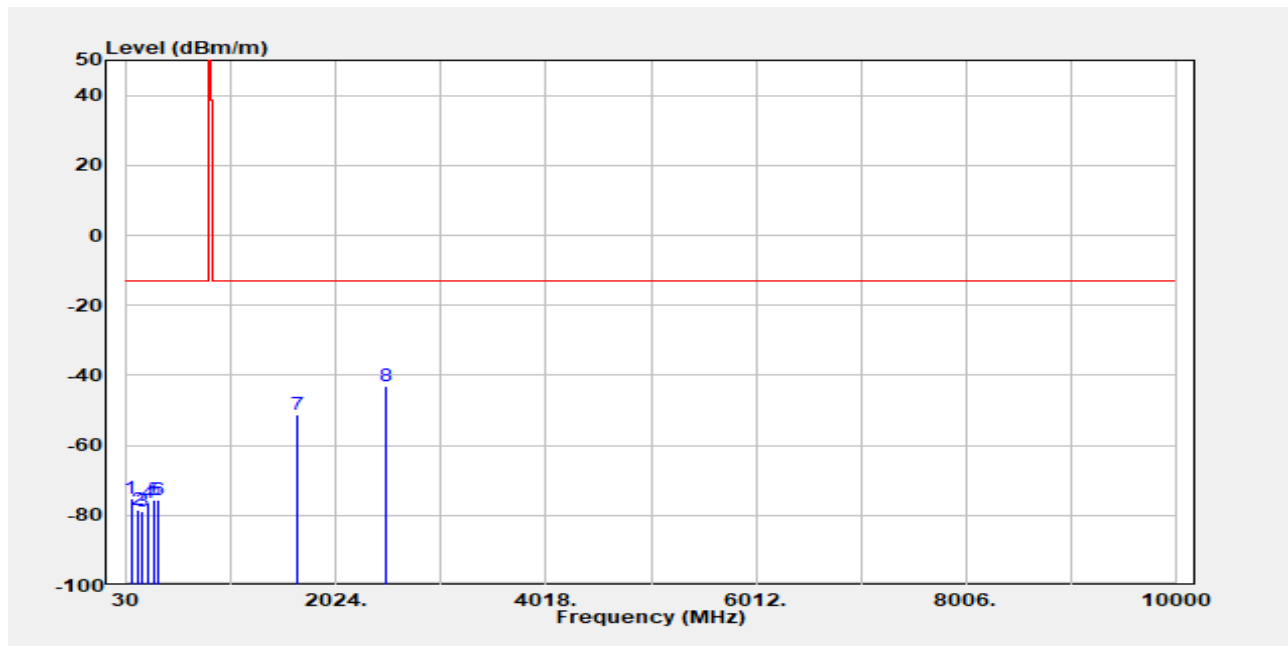
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :829 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
70.781	-75.14	-67.17	-6.44	-1.54	-13.00	-62.14
141.662	-78.27	-74.27	-1.83	-2.17	-13.00	-65.27
182.442	-78.90	-78.08	1.65	-2.47	-13.00	-65.90
230.020	-76.25	-78.19	4.71	-2.77	-13.00	-63.25
288.278	-75.43	-76.04	3.71	-3.10	-13.00	-62.43
335.856	-75.58	-76.14	3.90	-3.35	-13.00	-62.58
1658.000	-51.31	-53.41	9.58	-7.48	-13.00	-38.31
2487.000	-42.89	-44.14	10.50	-9.25	-13.00	-29.89

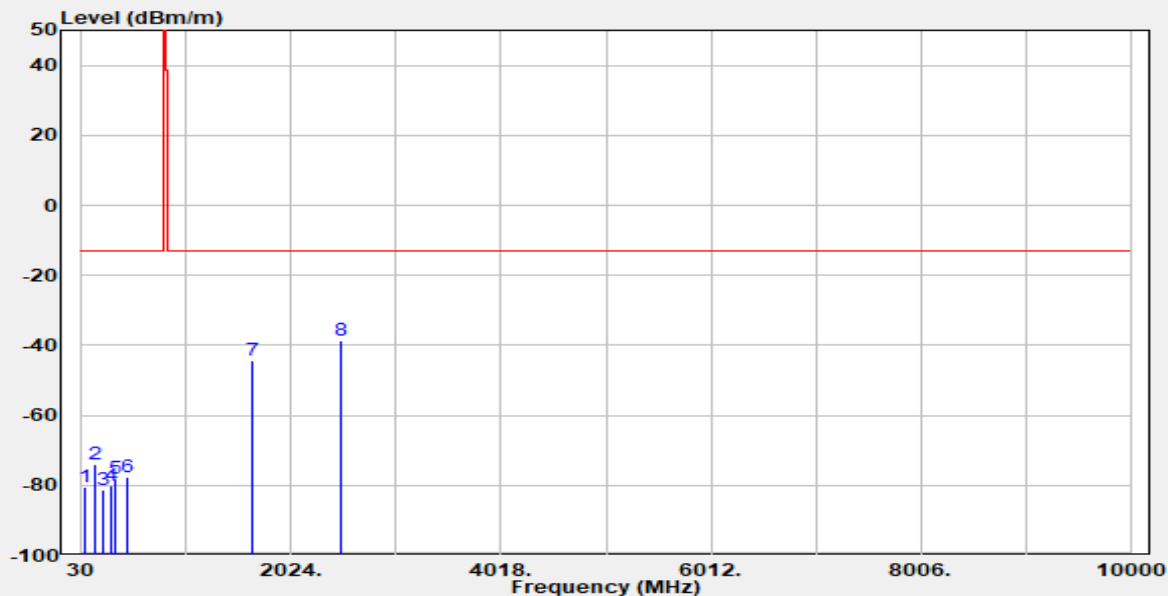
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :829 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
65.926	-80.30	-71.03	-7.78	-1.49	-13.00	-67.30
151.371	-74.06	-70.19	-1.62	-2.25	-13.00	-61.06
226.136	-81.29	-83.49	4.95	-2.75	-13.00	-68.29
302.843	-79.97	-80.64	3.85	-3.17	-13.00	-66.97
344.595	-78.01	-78.66	4.04	-3.39	-13.00	-65.01
460.140	-77.72	-77.65	3.84	-3.91	-13.00	-64.72
1658.000	-44.26	-46.36	9.58	-7.48	-13.00	-31.26
2487.000	-38.42	-39.67	10.50	-9.25	-13.00	-25.42

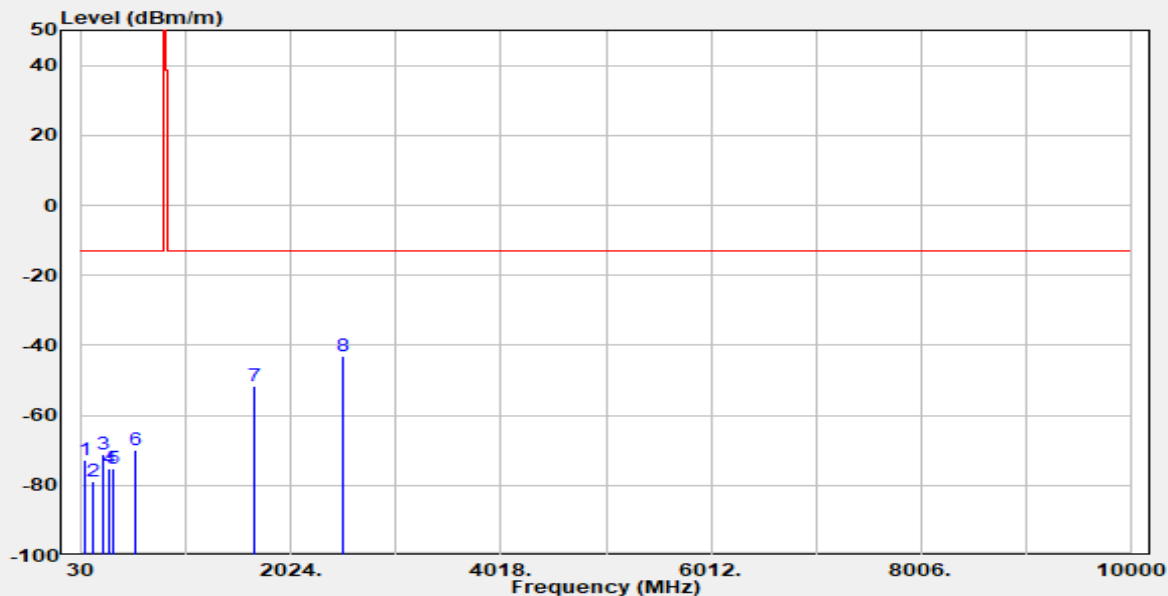
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-72.75	-63.55	-7.70	-1.50	-13.00	-59.75
144.575	-78.69	-74.68	-1.82	-2.20	-13.00	-65.69
241.672	-71.30	-72.13	3.67	-2.84	-13.00	-58.30
288.278	-75.04	-75.65	3.71	-3.10	-13.00	-62.04
332.943	-75.13	-75.66	3.87	-3.33	-13.00	-62.13
540.731	-70.07	-70.18	4.36	-4.24	-13.00	-57.07
1673.000	-51.48	-53.69	9.73	-7.52	-13.00	-38.48
2509.500	-42.90	-44.31	10.70	-9.29	-13.00	-29.90

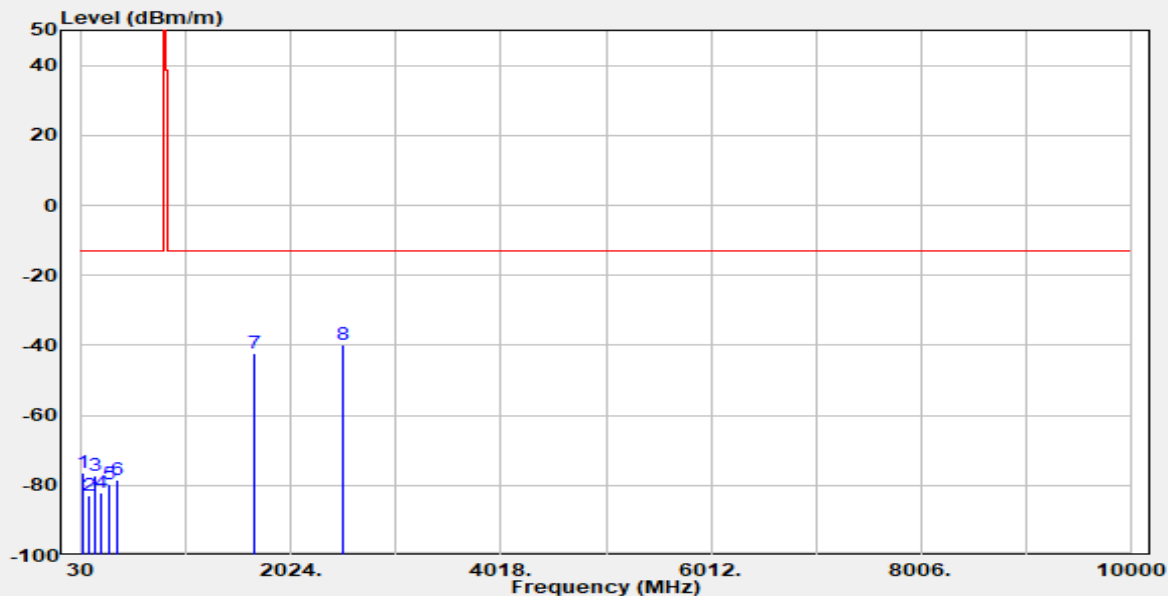
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
50.390	-76.28	-63.02	-11.95	-1.30	-13.00	-63.28
90.200	-82.78	-80.11	-0.92	-1.74	-13.00	-69.78
149.429	-77.32	-73.47	-1.62	-2.24	-13.00	-64.32
211.572	-81.93	-83.66	4.39	-2.66	-13.00	-68.93
288.278	-79.59	-80.20	3.71	-3.10	-13.00	-66.59
368.869	-78.55	-79.21	4.16	-3.50	-13.00	-65.55
1673.000	-42.09	-44.30	9.73	-7.52	-13.00	-29.09
2509.500	-39.97	-41.38	10.70	-9.29	-13.00	-26.97

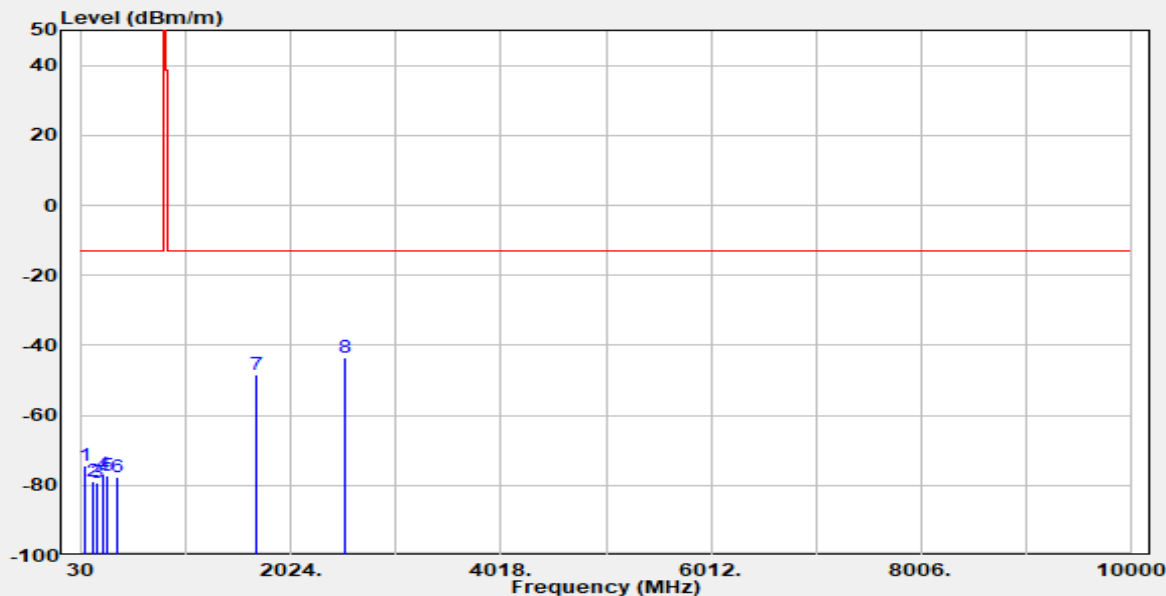
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :844 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



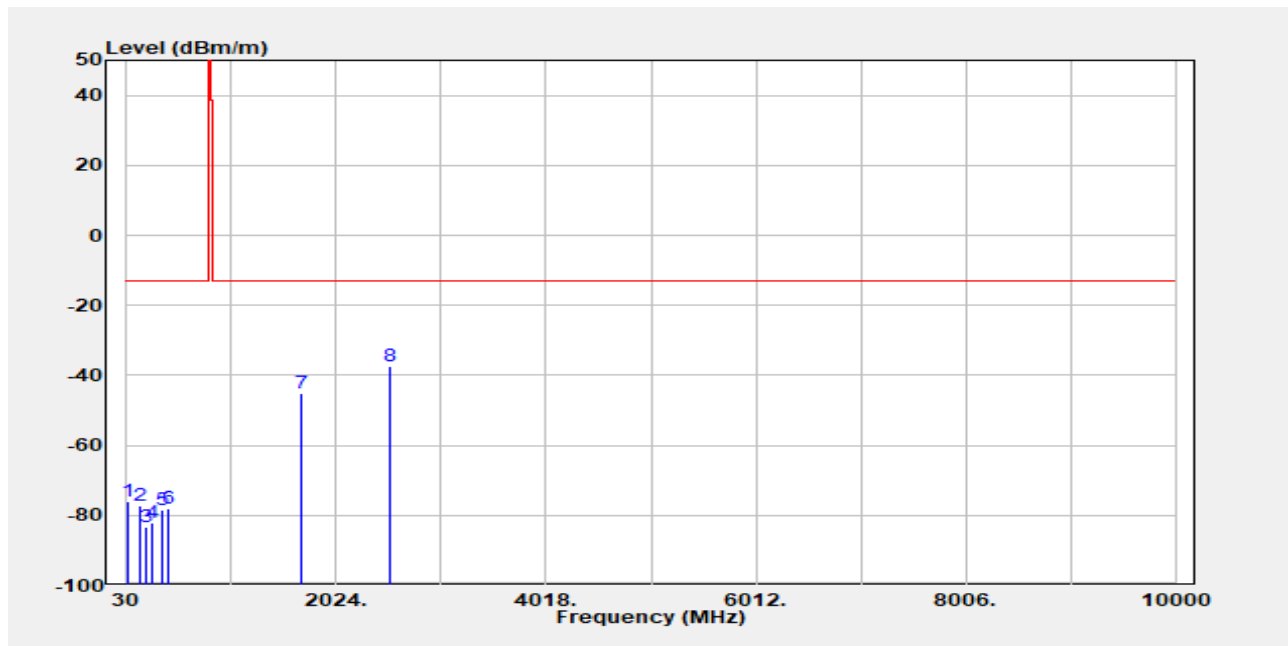
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
68.839	-74.25	-65.69	-7.04	-1.52	-13.00	-61.25
141.662	-79.03	-75.03	-1.83	-2.17	-13.00	-66.03
175.646	-79.20	-77.32	0.54	-2.42	-13.00	-66.20
230.991	-76.75	-78.54	4.57	-2.78	-13.00	-63.75
265.946	-77.25	-78.42	4.16	-2.99	-13.00	-64.25
376.637	-77.63	-78.12	4.03	-3.54	-13.00	-64.63
1688.000	-48.29	-50.62	9.88	-7.55	-13.00	-35.29
2532.000	-43.49	-44.68	10.52	-9.33	-13.00	-30.49

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B26  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :844 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



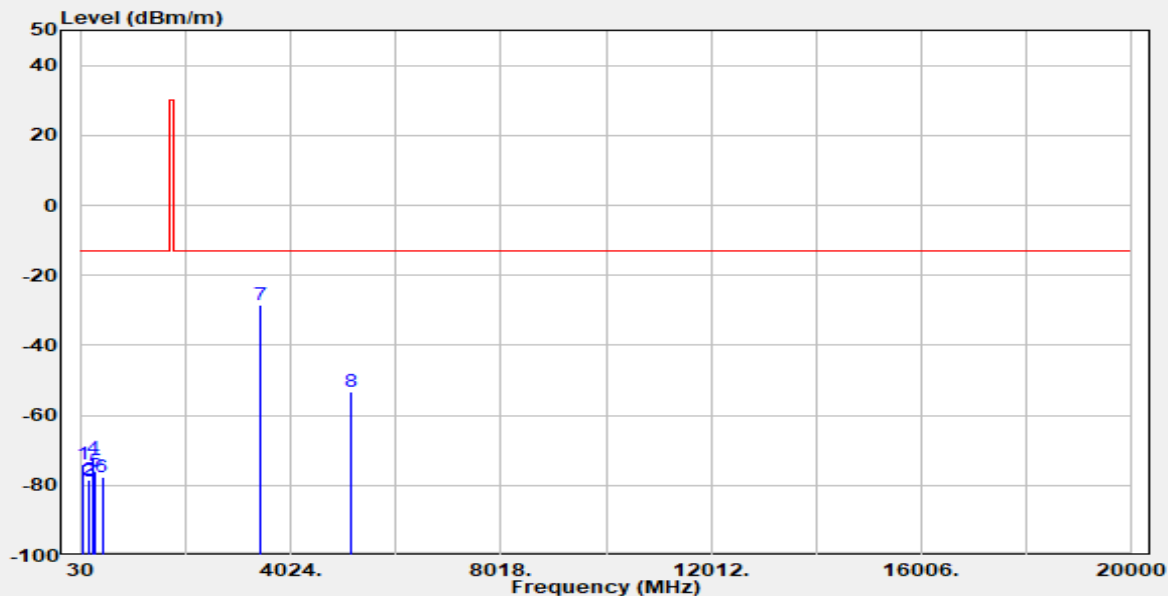
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
45.536	-75.91	-62.06	-12.61	-1.24	-13.00	-62.91
157.197	-77.38	-73.90	-1.19	-2.29	-13.00	-64.38
212.543	-83.44	-85.20	4.43	-2.67	-13.00	-70.44
265.946	-81.92	-83.08	4.16	-2.99	-13.00	-68.92
360.130	-78.48	-79.23	4.21	-3.46	-13.00	-65.48
416.446	-77.99	-78.41	4.14	-3.72	-13.00	-64.99
1688.000	-45.26	-47.59	9.88	-7.55	-13.00	-32.26
2532.000	-37.33	-38.51	10.52	-9.33	-13.00	-24.33

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B66  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1720 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
67.868	-73.80	-64.71	-7.59	-1.51	-13.00	-60.80
154.284	-78.52	-74.77	-1.48	-2.27	-13.00	-65.52
177.588	-78.79	-77.29	0.93	-2.44	-13.00	-65.79
233.904	-72.31	-73.67	4.16	-2.79	-13.00	-59.31
280.511	-76.10	-76.76	3.72	-3.06	-13.00	-63.10
418.388	-77.83	-78.24	4.14	-3.73	-13.00	-64.83
3440.000	-28.30	-29.97	12.60	-10.93	-13.00	-15.30
5160.000	-53.18	-52.10	12.44	-13.52	-13.00	-40.18

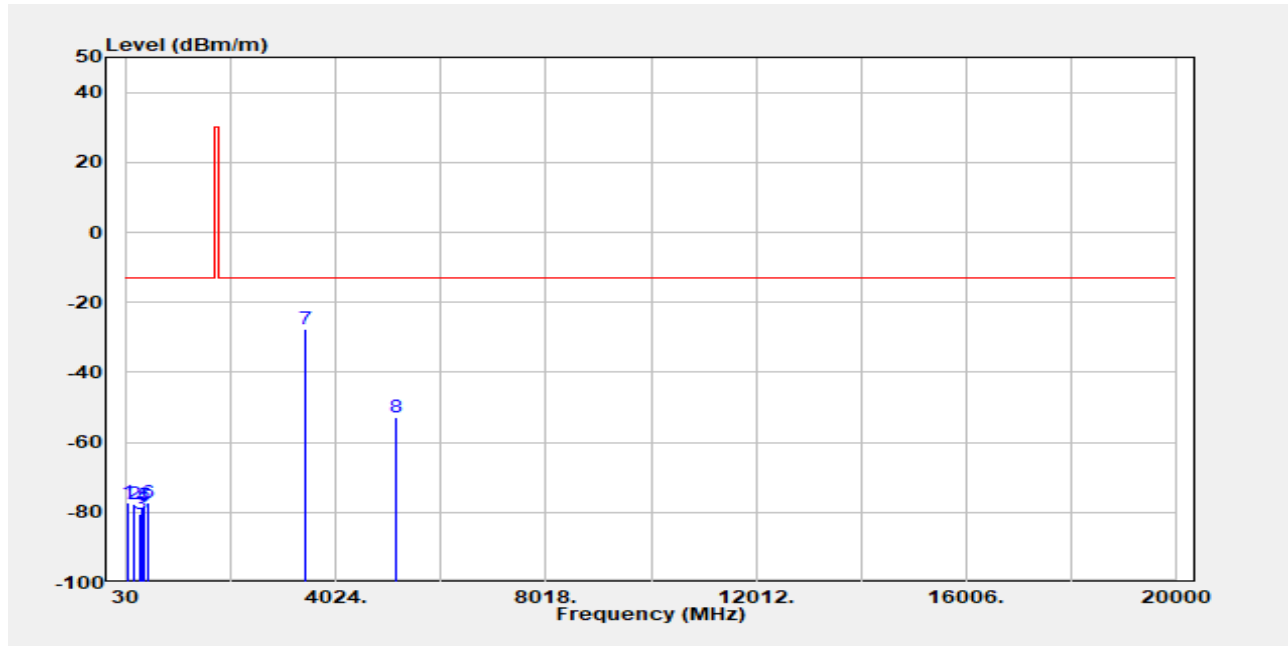
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Report Number :TERF2412003861ER  
 Operation Mode :CAT-M1 B66  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :1720 MHz

Test Site :SAC 3  
 Test Date :2024-12-31  
 Temp./Humi. :20.7°C/55%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
51.361	-77.38	-64.22	-11.84	-1.32	-13.00	-64.38
160.110	-77.65	-74.31	-1.03	-2.31	-13.00	-64.65
272.743	-80.32	-81.03	3.73	-3.02	-13.00	-67.32
333.914	-78.62	-79.16	3.87	-3.34	-13.00	-65.62
370.811	-78.15	-78.76	4.13	-3.51	-13.00	-65.15
452.372	-77.13	-77.04	3.79	-3.88	-13.00	-64.13
3440.000	-27.81	-29.47	12.60	-10.93	-13.00	-14.81
5160.000	-52.89	-51.81	12.44	-13.52	-13.00	-39.89

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SGS Taiwan Ltd.

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

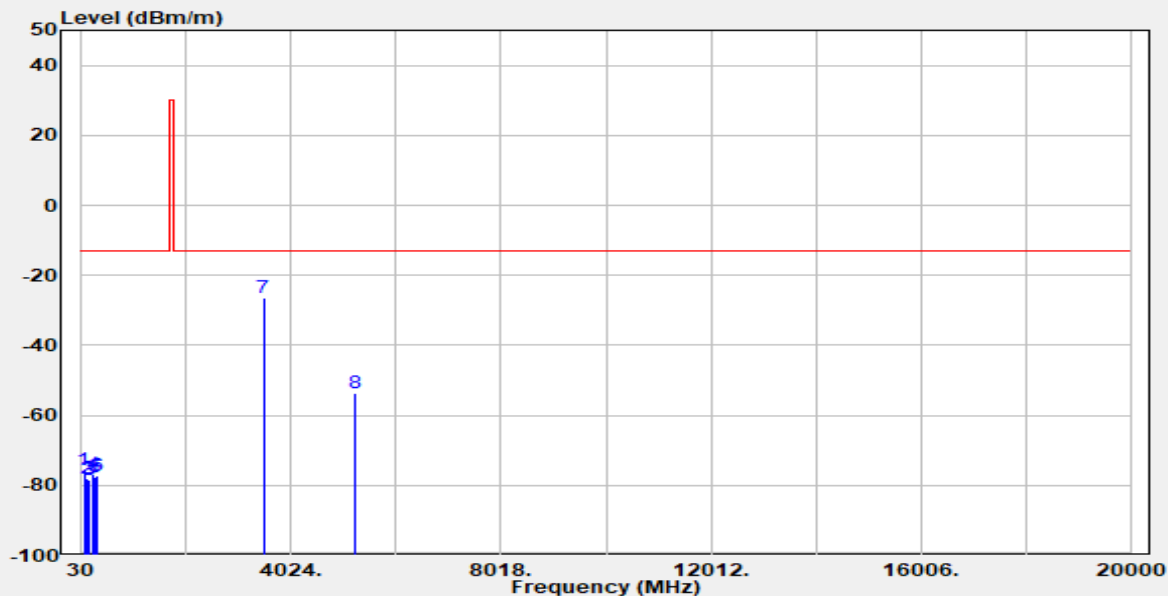
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B66  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1745 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
72.723	-75.54	-68.18	-5.79	-1.56	-13.00	-62.54
131.952	-78.21	-74.39	-1.71	-2.10	-13.00	-65.21
176.617	-78.25	-76.57	0.74	-2.43	-13.00	-65.25
230.020	-76.63	-78.57	4.71	-2.77	-13.00	-63.63
277.598	-77.54	-78.19	3.70	-3.05	-13.00	-64.54
304.785	-77.40	-78.09	3.87	-3.18	-13.00	-64.40
3490.000	-26.48	-27.91	12.44	-11.01	-13.00	-13.48
5235.000	-53.82	-53.00	12.81	-13.63	-13.00	-40.82

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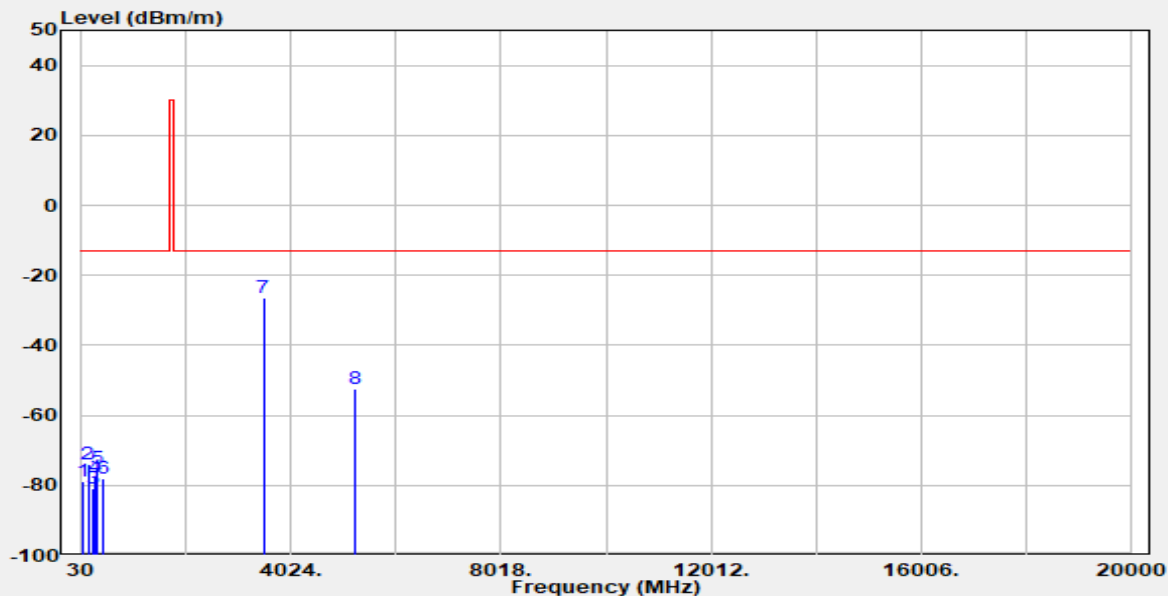
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B66  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1745 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
58.158	-79.01	-67.40	-10.21	-1.40	-13.00	-66.01
149.429	-73.91	-70.05	-1.62	-2.24	-13.00	-60.91
239.730	-80.91	-81.78	3.70	-2.83	-13.00	-67.91
288.278	-77.66	-78.27	3.71	-3.10	-13.00	-64.66
335.856	-75.12	-75.67	3.90	-3.35	-13.00	-62.12
424.214	-77.98	-78.28	4.06	-3.76	-13.00	-64.98
3490.000	-26.29	-27.71	12.44	-11.01	-13.00	-13.29
5235.000	-52.54	-51.72	12.81	-13.63	-13.00	-39.54

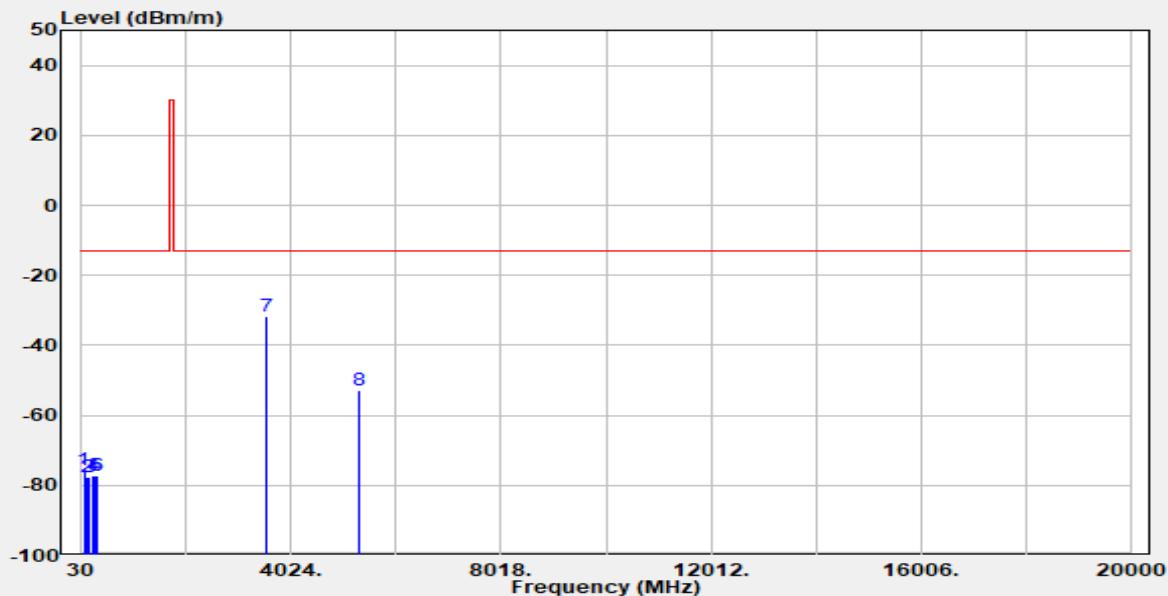
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B66  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1770 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
73.694	-75.60	-68.73	-5.30	-1.57	-13.00	-62.60
124.184	-77.82	-74.22	-1.56	-2.04	-13.00	-64.82
178.559	-77.50	-76.13	1.07	-2.44	-13.00	-64.50
232.933	-77.07	-78.58	4.29	-2.79	-13.00	-64.07
278.569	-77.05	-77.70	3.71	-3.05	-13.00	-64.05
335.856	-77.22	-77.78	3.90	-3.35	-13.00	-64.22
3540.000	-31.70	-32.85	12.24	-11.09	-13.00	-18.70
5310.000	-52.93	-52.22	13.02	-13.73	-13.00	-39.93

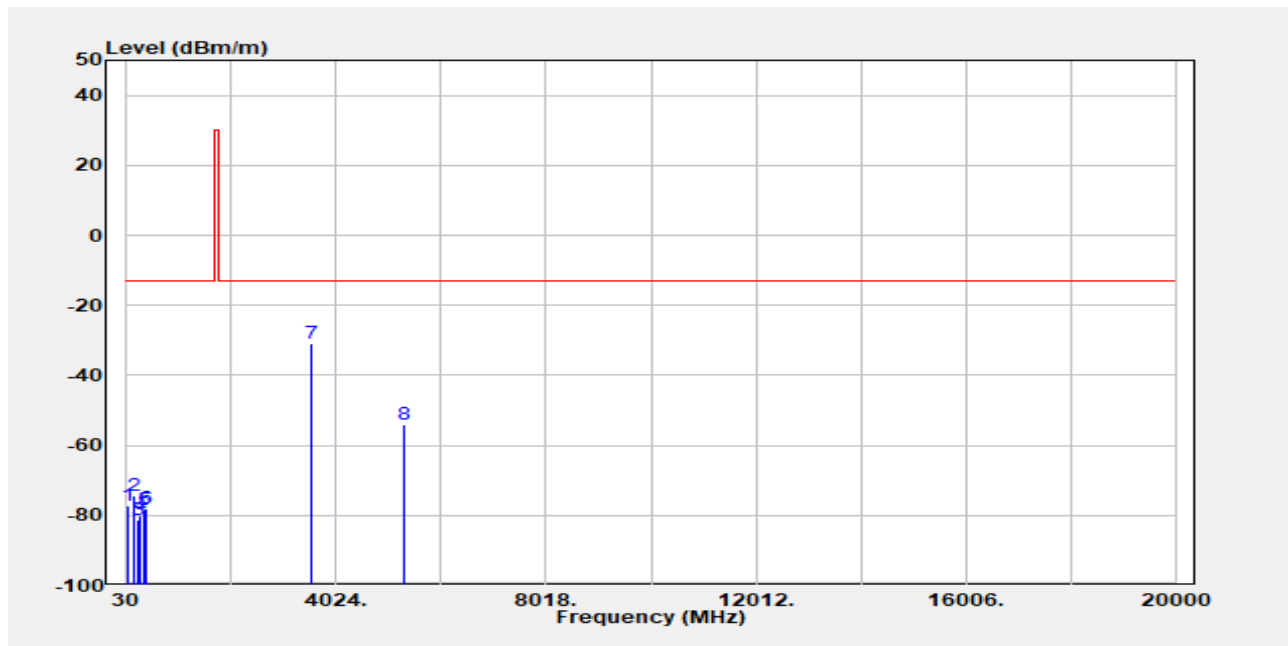
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B66  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :1770 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



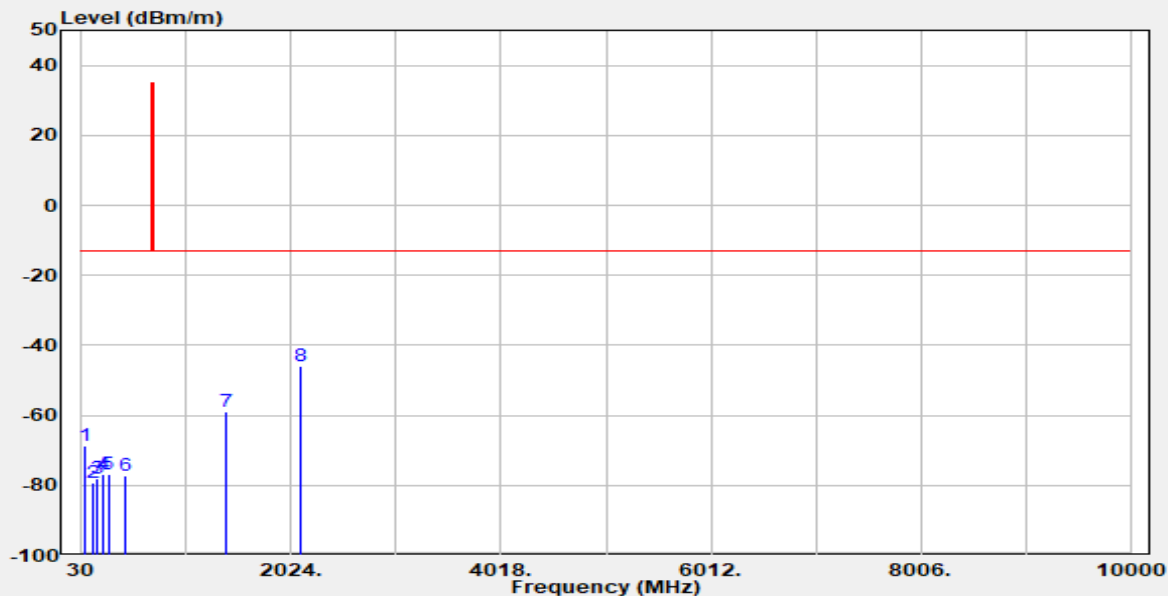
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
53.303	-77.27	-64.48	-11.45	-1.34	-13.00	-64.27
156.226	-74.51	-70.90	-1.32	-2.28	-13.00	-61.51
235.846	-81.20	-82.34	3.95	-2.81	-13.00	-68.20
301.872	-79.89	-80.56	3.84	-3.17	-13.00	-66.89
345.566	-78.33	-78.99	4.05	-3.39	-13.00	-65.33
416.446	-77.86	-78.28	4.14	-3.72	-13.00	-64.86
3540.000	-30.74	-31.89	12.24	-11.09	-13.00	-17.74
5310.000	-54.01	-53.29	13.02	-13.73	-13.00	-41.01

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B85  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :703 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
67.868	-68.70	-59.61	-7.59	-1.51	-13.00	-55.70
139.720	-79.13	-75.15	-1.82	-2.16	-13.00	-66.13
177.588	-78.23	-76.72	0.93	-2.44	-13.00	-65.23
232.933	-76.96	-78.46	4.29	-2.79	-13.00	-63.96
281.482	-77.03	-77.67	3.71	-3.07	-13.00	-64.03
450.430	-77.32	-77.20	3.75	-3.87	-13.00	-64.32
1406.000	-59.03	-59.72	7.56	-6.87	-13.00	-46.03
2109.000	-46.04	-47.29	9.73	-8.48	-13.00	-33.04

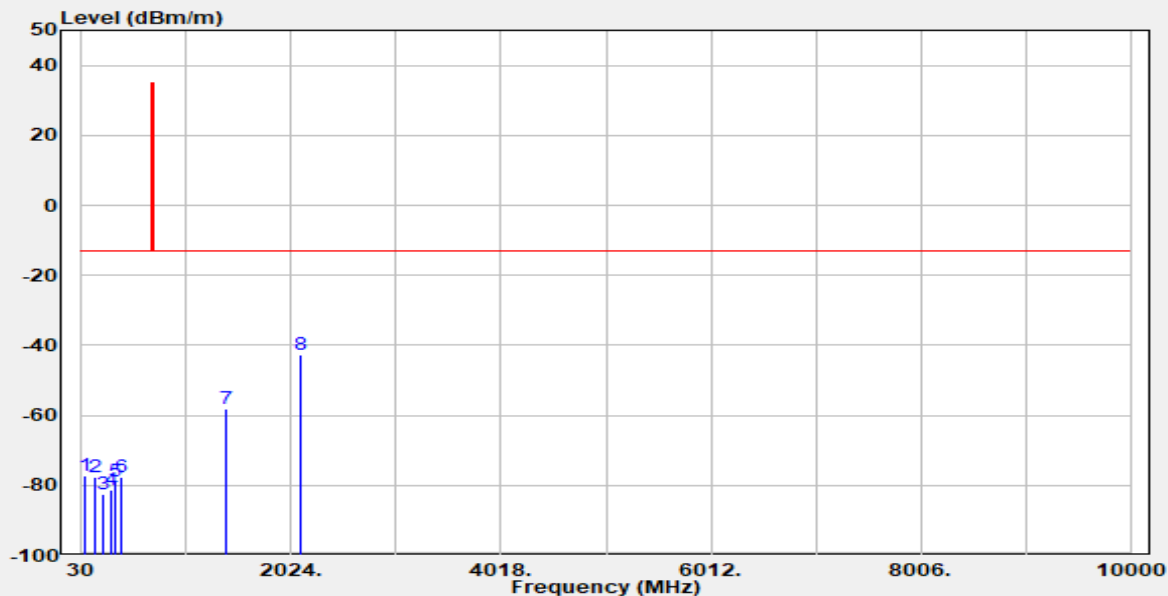
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B85  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :703 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
56.216	-77.39	-65.22	-10.80	-1.37	-13.00	-64.39
157.197	-77.81	-74.33	-1.19	-2.29	-13.00	-64.81
226.136	-82.64	-84.84	4.95	-2.75	-13.00	-69.64
304.785	-81.11	-81.79	3.87	-3.18	-13.00	-68.11
345.566	-78.78	-79.44	4.05	-3.39	-13.00	-65.78
412.563	-77.77	-78.15	4.09	-3.70	-13.00	-64.77
1406.000	-58.05	-58.74	7.56	-6.87	-13.00	-45.05
2109.000	-42.80	-44.05	9.73	-8.48	-13.00	-29.80

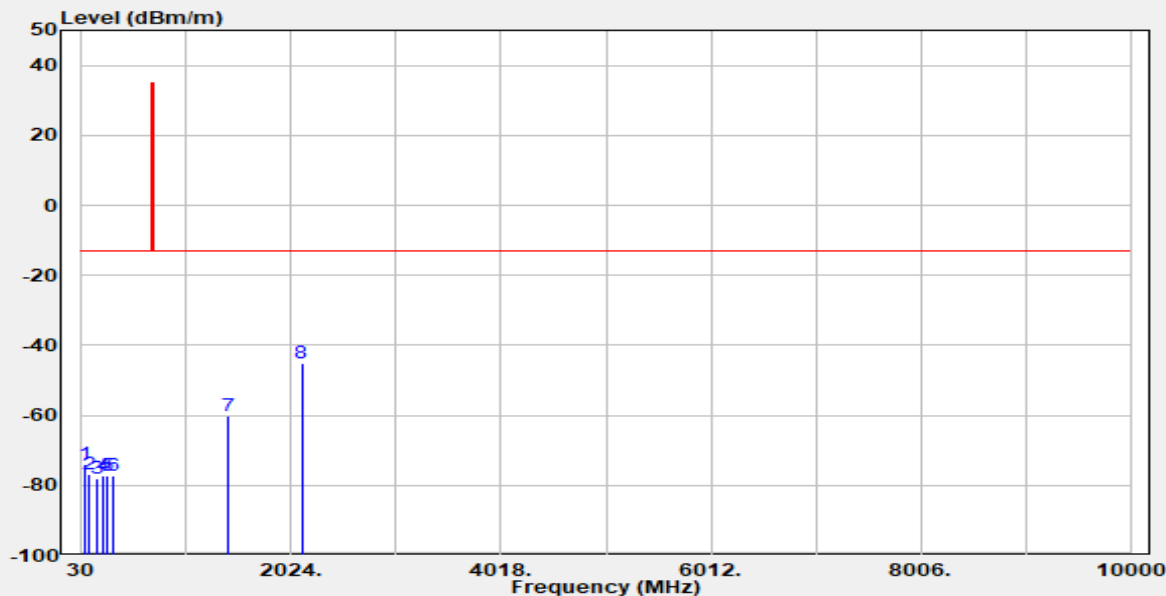
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B85  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :707 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-74.16	-64.96	-7.70	-1.50	-13.00	-61.16
107.678	-77.02	-73.61	-1.51	-1.90	-13.00	-64.02
180.501	-78.05	-76.91	1.31	-2.45	-13.00	-65.05
227.107	-77.21	-79.35	4.89	-2.75	-13.00	-64.21
280.511	-77.27	-77.93	3.72	-3.06	-13.00	-64.27
326.146	-77.26	-77.86	3.90	-3.30	-13.00	-64.26
1414.000	-60.12	-60.87	7.64	-6.89	-13.00	-47.12
2121.000	-45.04	-46.13	9.59	-8.51	-13.00	-32.04

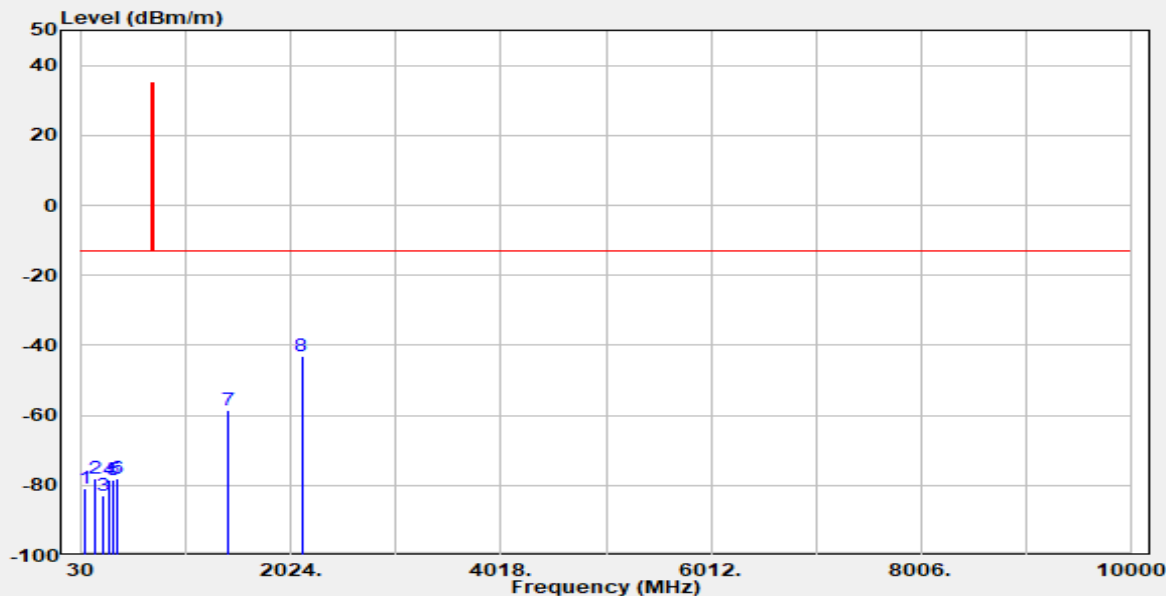
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B85  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :707 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



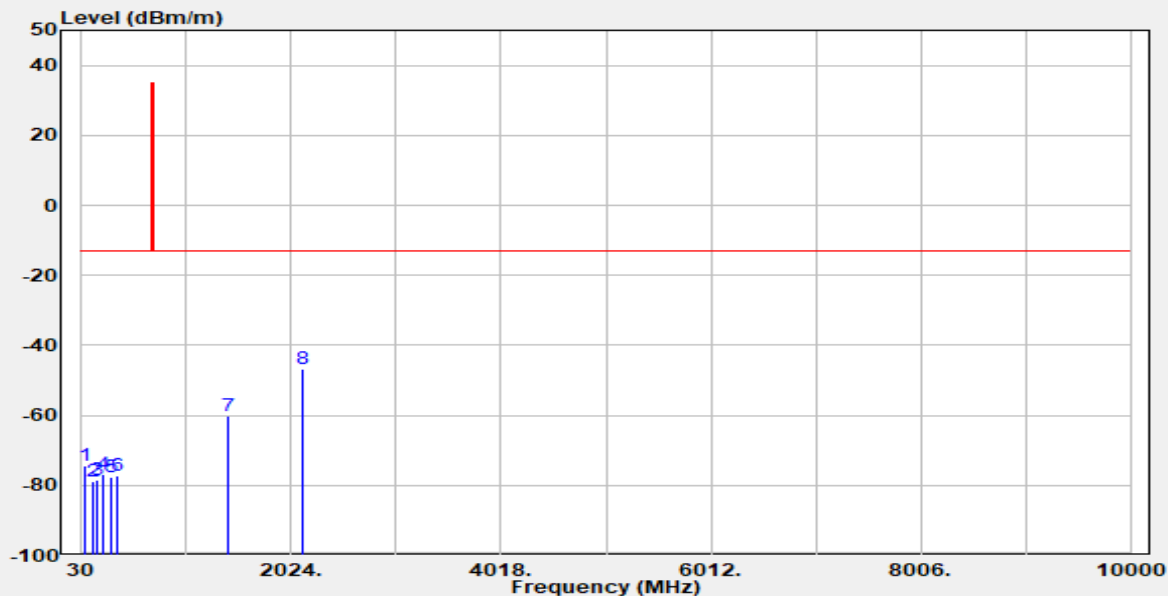
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
66.897	-80.88	-71.68	-7.70	-1.50	-13.00	-67.88
162.052	-77.96	-74.81	-0.83	-2.33	-13.00	-64.96
232.933	-82.99	-84.50	4.29	-2.79	-13.00	-69.99
288.278	-78.59	-79.20	3.71	-3.10	-13.00	-65.59
326.146	-78.44	-79.04	3.90	-3.30	-13.00	-65.44
364.985	-78.06	-78.80	4.23	-3.48	-13.00	-65.06
1414.000	-58.72	-59.47	7.64	-6.89	-13.00	-45.72
2121.000	-43.29	-44.37	9.59	-8.51	-13.00	-30.29

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B85  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :711 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
65.926	-74.43	-65.17	-7.78	-1.49	-13.00	-61.43
130.981	-78.73	-74.87	-1.77	-2.10	-13.00	-65.73
179.530	-78.64	-77.36	1.17	-2.45	-13.00	-65.64
230.991	-77.03	-78.82	4.57	-2.78	-13.00	-64.03
306.727	-77.55	-78.21	3.85	-3.19	-13.00	-64.55
369.840	-77.39	-78.02	4.14	-3.51	-13.00	-64.39
1422.000	-59.98	-60.77	7.70	-6.91	-13.00	-46.98
2133.000	-46.56	-47.52	9.50	-8.53	-13.00	-33.56

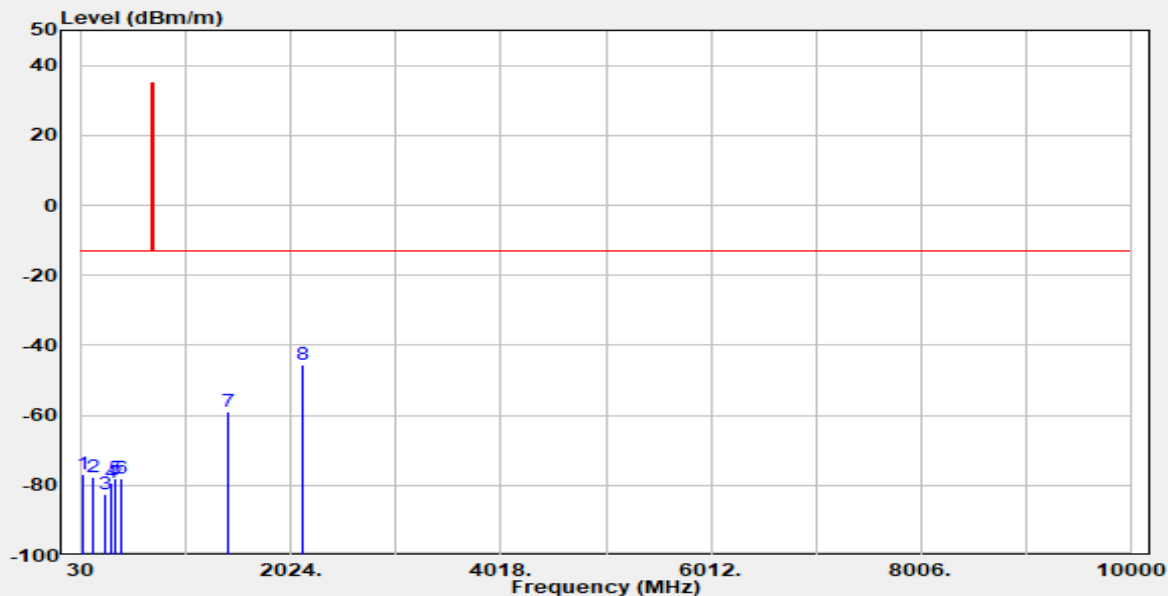
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B85  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :711 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
49.419	-76.84	-63.45	-12.10	-1.29	-13.00	-63.84
146.517	-77.78	-73.81	-1.75	-2.21	-13.00	-64.78
248.469	-82.33	-83.10	3.65	-2.88	-13.00	-69.33
305.756	-79.10	-79.78	3.86	-3.19	-13.00	-66.10
345.566	-77.90	-78.56	4.05	-3.39	-13.00	-64.90
402.853	-77.99	-78.25	3.93	-3.66	-13.00	-64.99
1422.000	-59.00	-59.79	7.70	-6.91	-13.00	-46.00
2133.000	-45.45	-46.41	9.50	-8.53	-13.00	-32.45

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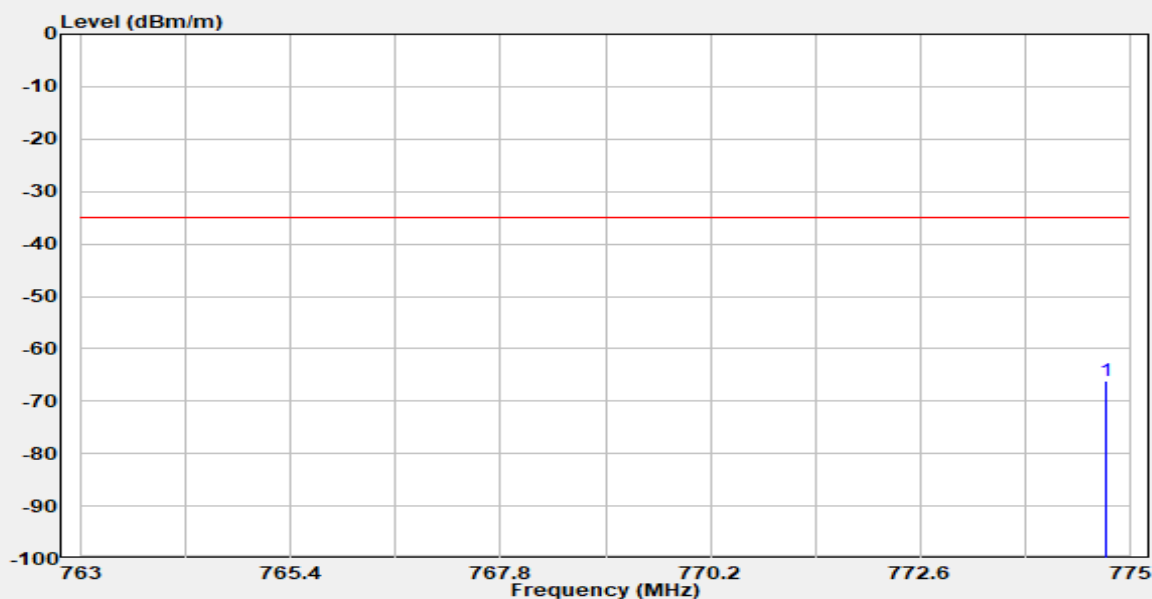
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## CAT-M1 B13 (763-775MHz)

Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :779.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
774.724	-66.06	-64.56	3.57	-5.06	-35.00	-31.06

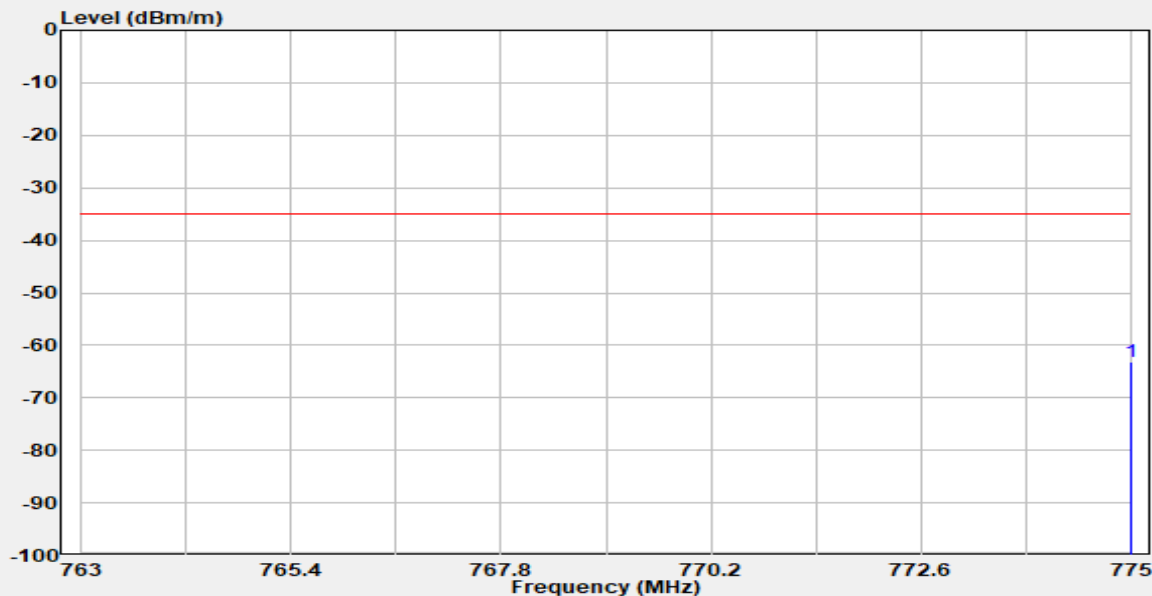
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :779.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
775.000	-63.01	-61.52	3.57	-5.07	-35.00	-28.01

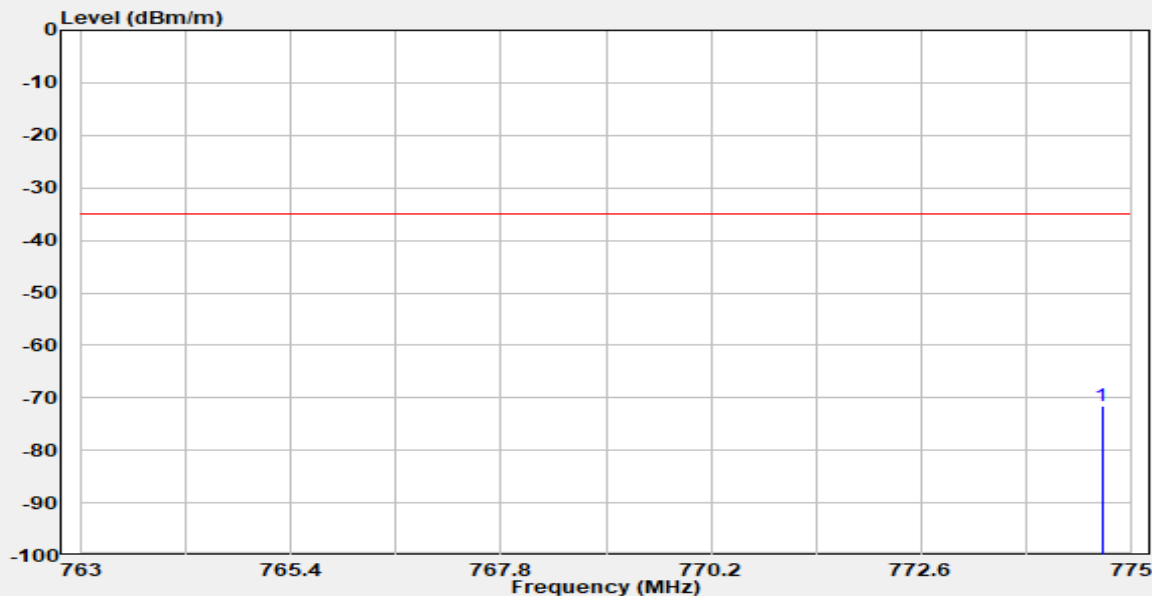
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
774.676	-71.46	-69.96	3.57	-5.06	-35.00	-36.46

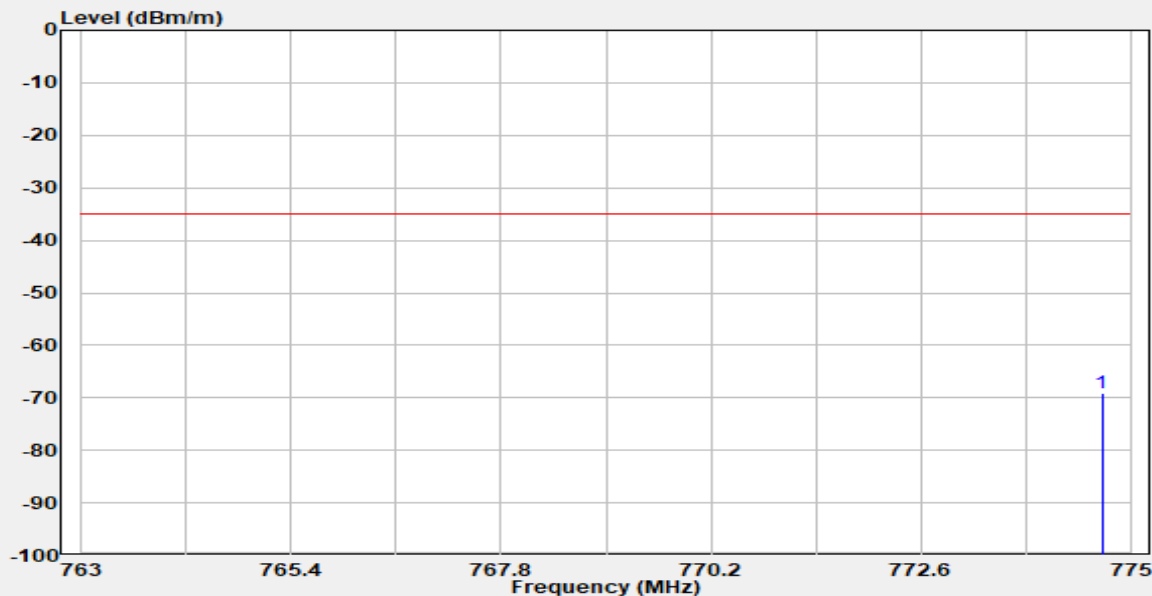
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
774.676	-69.00	-67.50	3.57	-5.06	-35.00	-34.00

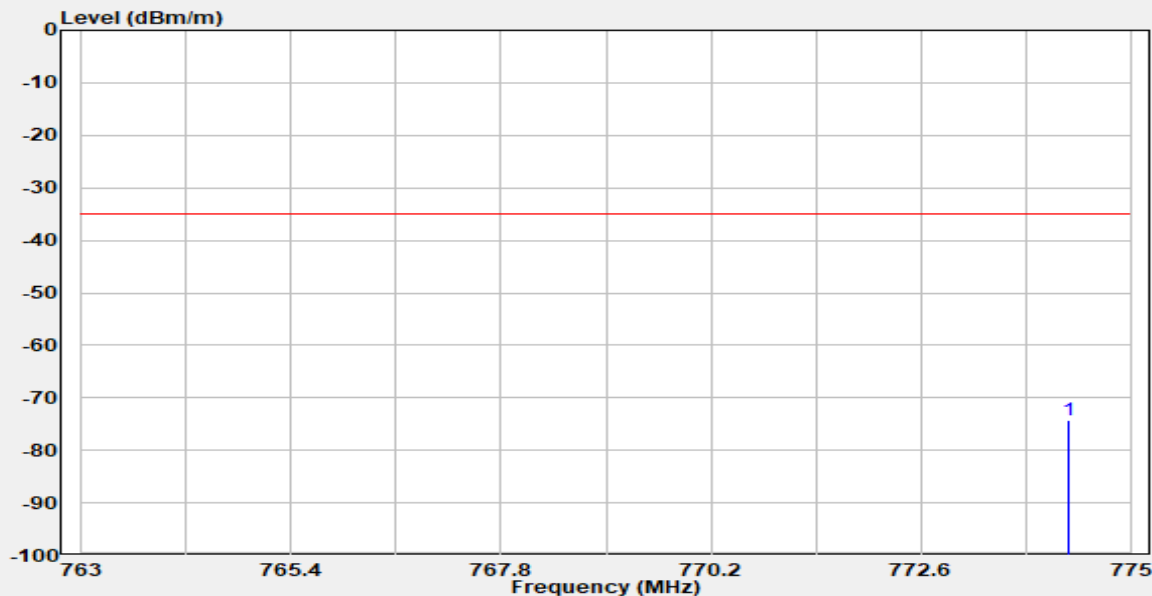
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :784.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
774.303	-74.23	-72.72	3.56	-5.06	-35.00	-39.23

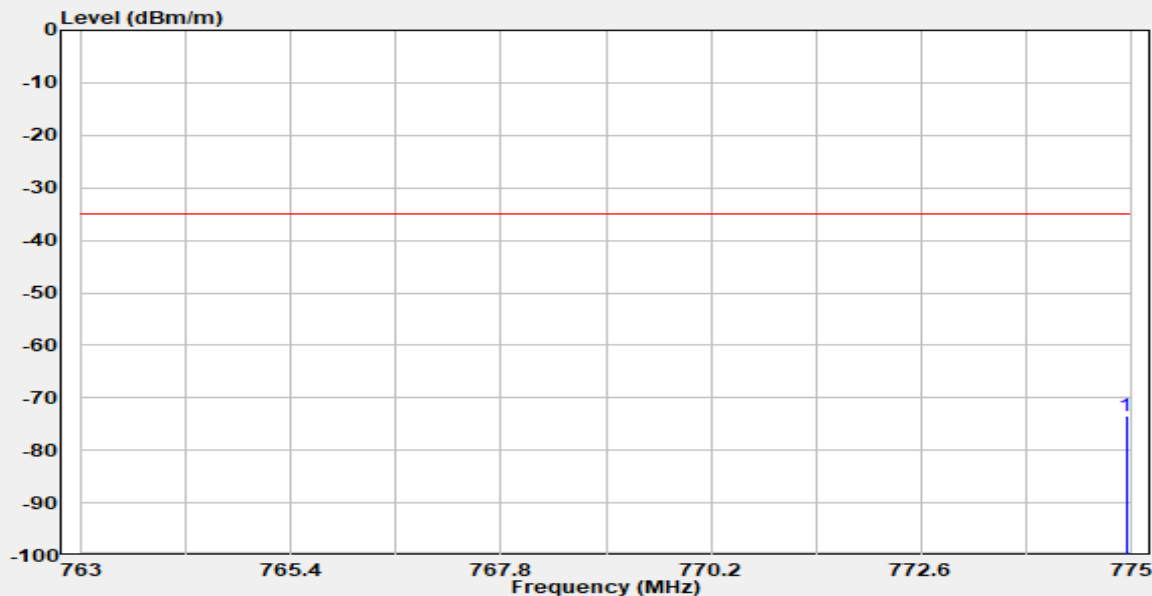
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :784.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
774.952	-73.35	-71.85	3.57	-5.06	-35.00	-38.35

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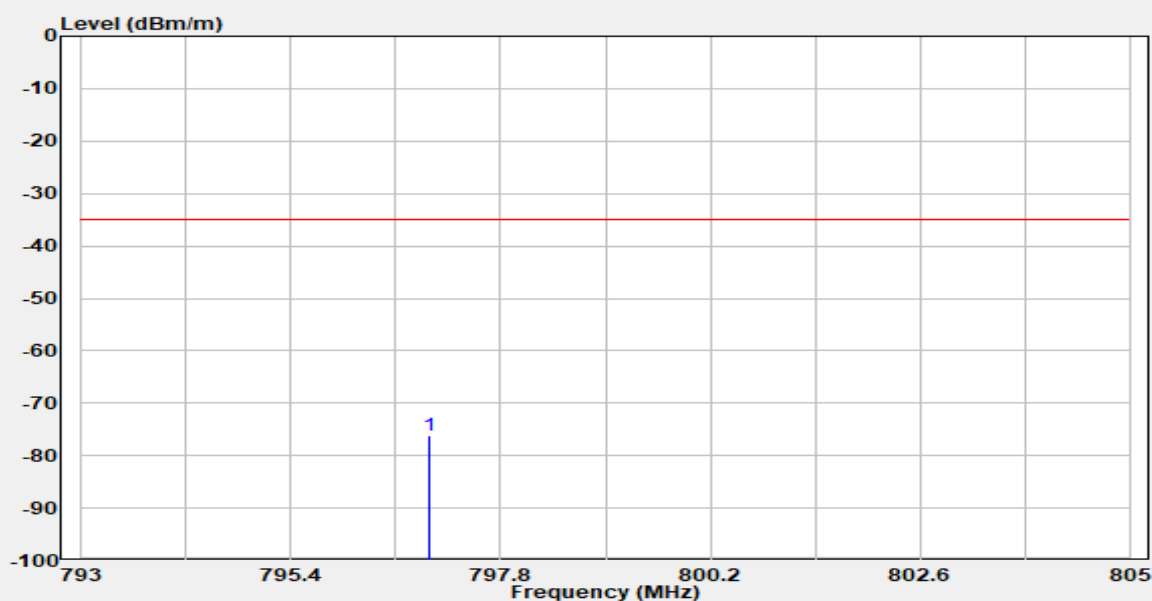
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## CAT-M1 B13 (793-805MHz)

Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :779.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level	Gain	Loss	@3m	dB
		dBm	dBi/dBd	dB	dBm	
796.988	-76.16	-74.39	3.37	-5.14	-35.00	-41.16

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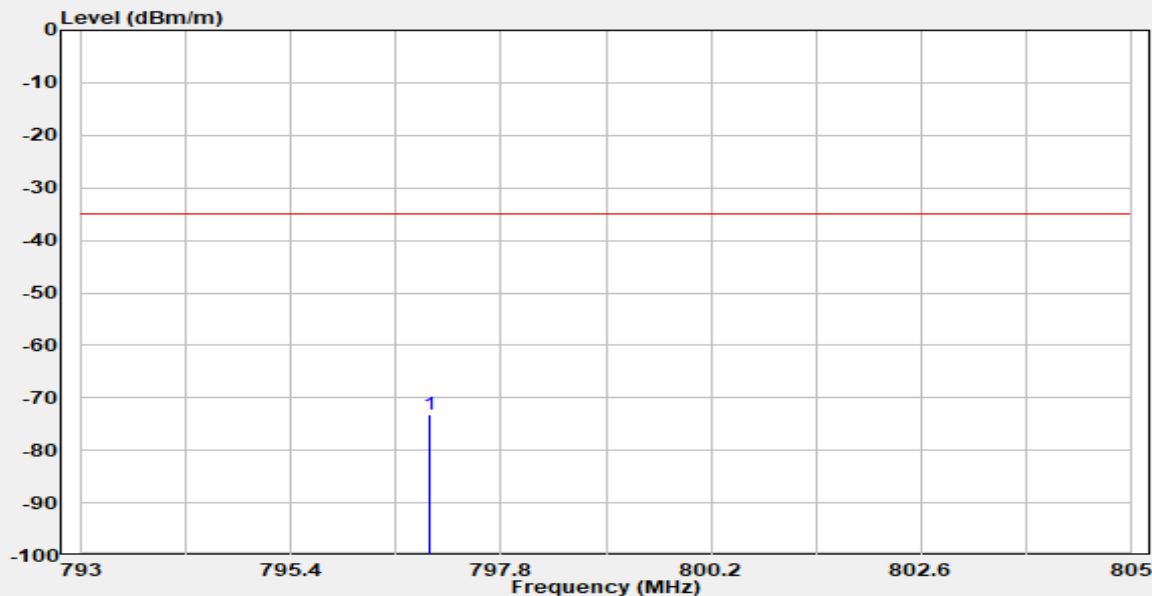
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :779.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
796.988	-73.04	-71.27	3.37	-5.14	-35.00	-38.04

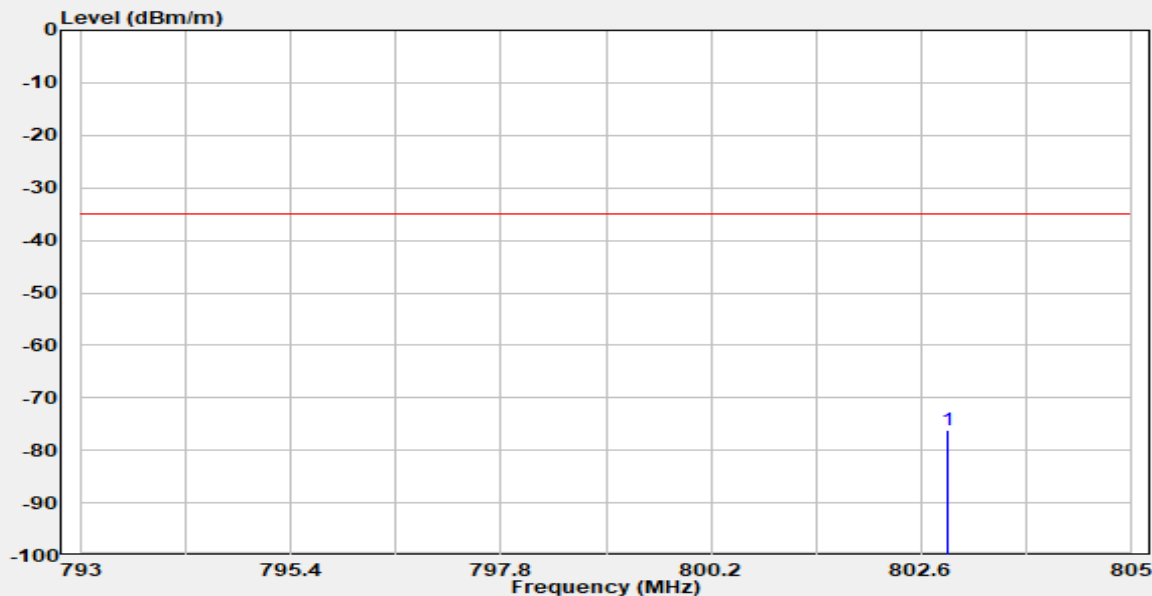
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



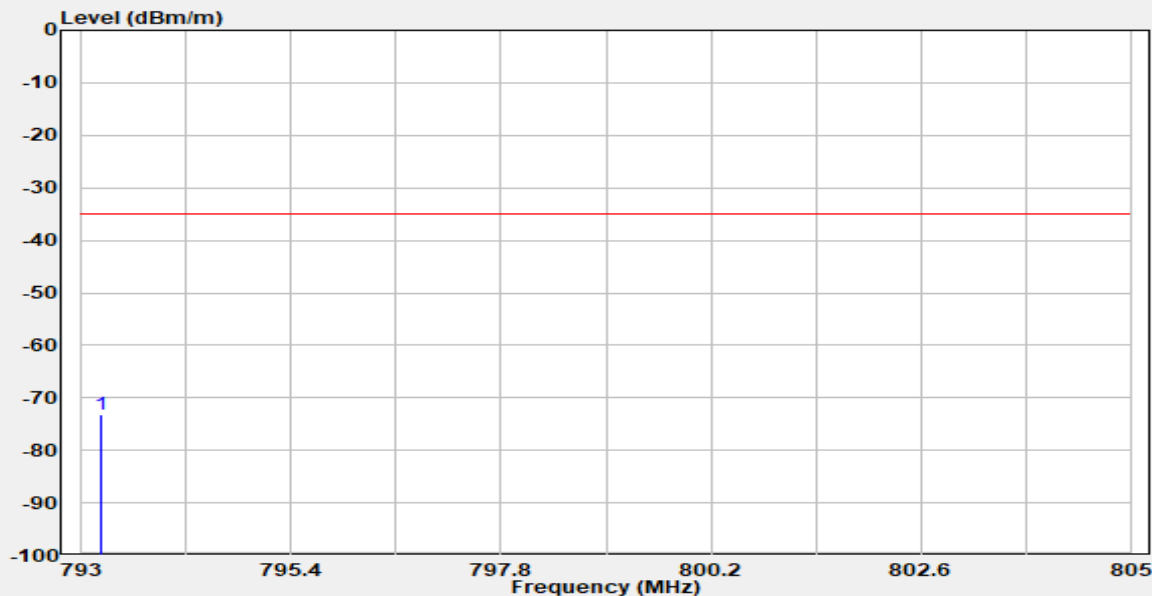
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
802.910	-76.28	-74.44	3.32	-5.16	-35.00	-41.28

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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
793.216	-73.25	-71.57	3.44	-5.12	-35.00	-38.25

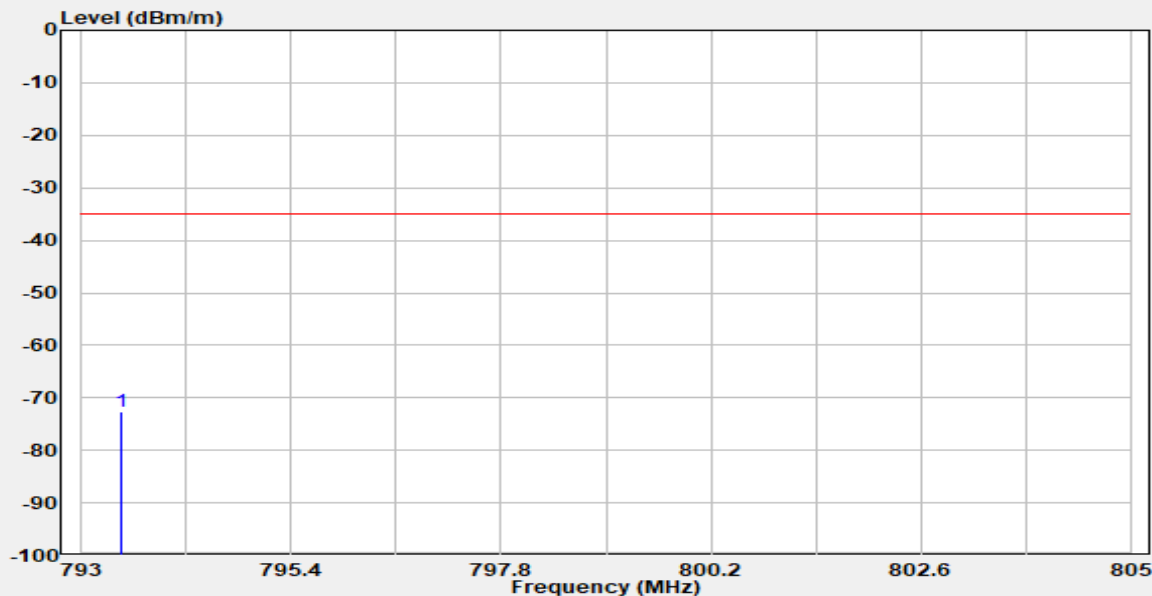
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Report Number :TERF2412003861ER  
Operation Mode :CAT-M1 B13  
Test Mode :Tx  
EUT Pol :NB Mode  
Test Frequency :784.5 MHz

Test Site :SAC 3  
Test Date :2024-12-31  
Temp./Humi. :20.7°C/55%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
793.445	-72.58	-70.89	3.43	-5.12	-35.00	-37.58

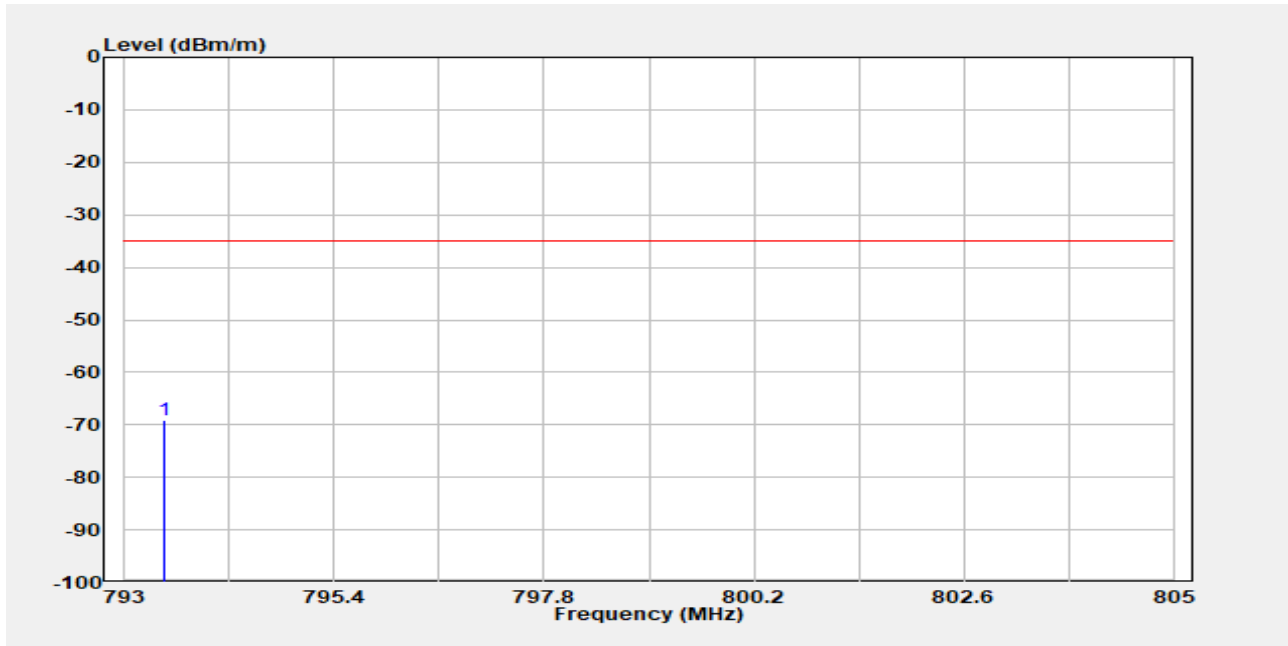
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Report Number :TERF2412003861ER  
 Operation Mode :CAT-M1 B13  
 Test Mode :Tx  
 EUT Pol :NB Mode  
 Test Frequency :784.5 MHz

Test Site :SAC 3  
 Test Date :2024-12-31  
 Temp./Humi. :20.7°C/55%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
793.445	-69.10	-67.41	3.43	-5.12	-35.00	-34.10

~ End of Report ~

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