

**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-I45C

Report Number: TERF2212002666ER

FCC ID B94HNI45CPA

Issue Date: March 3, 2023

Date of Test: January 10, 2023 ~ March 3, 2023

Date of EUT Received: December 8, 2022

Approved By

Blue Yang

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 & 27 C & 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
TERF2212002666ER	00	Original.	February 20, 2023	Karen Haung	
TERF2212002666ER	01	Add maximum output power measurement data.	March 3, 2023	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-I45C
EUT Series No.:	00330-50000-00000-AAOEM
Power Supply:	11.58Vdc
Integrated WWAN Module	Brand Name: Fibocom Model Name: FB520
Test Software (Name/Version)	Default (link 8821C)

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1.2 Frequency Range

1.2.1 Cat. M1

Band 2			Band 4		
BW (MHz)	Operation Frequency (MHz)		BW (MHz)	Operation Frequency (MHz)	
1.4	1850.7	- 1909.3	1.4	1710.7	- 1754.3
3	1851.5	- 1908.5	3	1711.5	- 1753.5
5	1852.5	- 1907.5	5	1712.5	- 1752.5
Band 5			Band 12		
BW (MHz)	Operation Frequency (MHz)		BW (MHz)	Operation Frequency (MHz)	
1.4	824.7	- 848.3	1.4	699.7	- 715.3
3	825.5	- 847.5	3	700.5	- 714.5
5	826.5	- 846.5	5	701.5	- 713.5
Band 13			Band 14		
BW (MHz)	Operation Frequency (MHz)		BW (MHz)	Operation Frequency (MHz)	
5	779.5	- 784.5	5	790.5	- 795.5
Band 25			Band 26		
BW (MHz)	Operation Frequency (MHz)		BW (MHz)	Operation Frequency (MHz)	
1.4	1850.7	- 1914.3	1.4	824.7	- 848.3
3	1851.5	- 1913.5	3	825.5	- 847.5
5	1852.5	- 1912.5	5	826.5	- 846.5
Band 26 Part 90			Band 66		
BW (MHz)	Operation Frequency (MHz)		BW (MHz)	Operation Frequency (MHz)	
1.4	814.7	- 823.3	1.4	1710.7	- 1779.3
3	815.5	- 822.5	3	1711.5	- 1778.5
5	816.5	- 821.5	5	1712.5	- 1777.5
Band 85					
BW (MHz)	Operation Frequency (MHz)				
5	700.5	- 713.5			

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1.3 Antenna Designation

Antenna Type	Supplier	Antenna part no.	Mode	Remark
PIFA	Vendor 1	6036B0314601 (00-3302701050)	NB	Ant5
			TB	Ant5
	Vendor 2	6036B0313901 (81ELA215.G12)	NB	Ant5
			TB	Ant5
Note: Transmission in frequencies in this test report are only available by the above antenna(s).				

Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)			
		Vendor 1		Vendor 2	
		NB	TB	NB	TB
		Ant5	Ant5	Ant5	Ant5
Band 2	1850 ~ 1910	-0.02	-2.53	1.25	-1.41
Band 4	1710 ~ 1755	-0.84	-3.27	2.22	-2.15
Band 5	824 ~ 849	-1.09	-4.58	-0.08	-1.10
Band 12	699 ~ 716	-0.63	-3	1.29	-3.25
Band 13	777 ~ 787	1.24	-3.68	0.38	0.84
Band 14	788 ~ 798	0.93	-4.27	0.23	0.66
Band 25	1850 ~ 1915	-0.02	-2.53	1.25	-1.41
Band 26	824 ~ 849	-1.09	-4.58	-0.08	-1.10
Band 26 Part 90	814 ~ 824	-1.09	-4.58	-0.08	-1.10
Band 66	1710 ~ 1780	-0.84	-3.27	2.22	-1.45
Band 85	698 ~ 716	-0.63	-3	1.29	-3.25

Note: Antenna information is provided by the applicant.

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1.4 Test Methodology of Applied Standards

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

ANSI C63.26-2015

1.5 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.				

1.6 Special Accessories

No special accessories were used during testing.

1.7 Equipment Modifications

There was no modifications incorporated into the EUT.

1.8 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 hand-held 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:

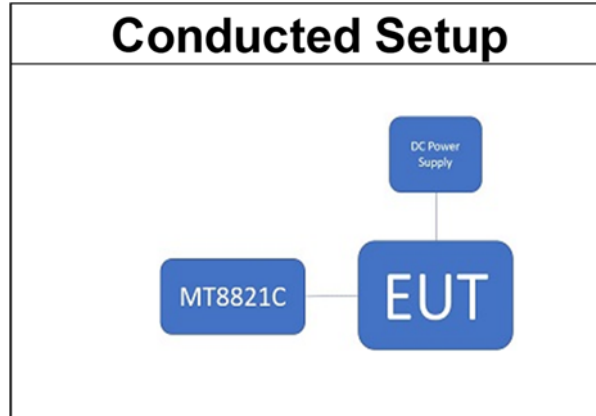
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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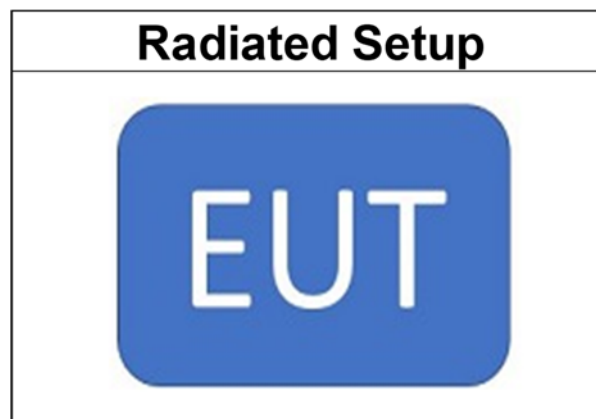
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2.5 Test Configuration

2.5.1 Conducted Emission at the Antenna Port



2.5.2 Radiated Emission



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

2.5.3 Control Unit(s)

Equipment	Mfr/Brand	Model/Type No.	Series No.
Test Software	N/A	N/A	N/A

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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(c)(10) §27.50(d)(4) §90.542(a)	ERP/ EIRP measurement	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(c)(f) §27.53(g) §27.53(h) §90.543(e)(3) §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.

4.2 Cat M1

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

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RADIATED EMISSION

Band	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation		
				RBs allocated	RB Offset	Index
2	18625	5	QPSK	1	0	0
2	18900	5	QPSK	1	0	0
2	19175	5	QPSK	1	0	0
4	19975	5	QPSK	1	0	0
4	20175	5	QPSK	1	0	0
4	20375	5	QPSK	1	0	0
5	20425	5	QPSK	1	0	0
5	20525	5	QPSK	1	0	0
5	20625	5	QPSK	1	0	0
12	23035	5	QPSK	1	0	0
12	23095	5	QPSK	1	0	0
12	23155	5	QPSK	1	0	0
13	23205	5	QPSK	1	0	0
13	23230	5	QPSK	1	0	0
13	23255	5	QPSK	1	0	0
14	23305	5	QPSK	1	0	0
14	23330	5	QPSK	1	0	0
14	23355	5	QPSK	1	0	0
25	26065	5	QPSK	1	0	0
25	26365	5	QPSK	1	0	0
25	26665	5	QPSK	1	0	0
26_FCC	26715	5	QPSK	1	0	0
26_FCC	26865	5	QPSK	1	0	0
26_FCC	27015	5	QPSK	1	0	0
66	131997	5	QPSK	1	0	0
66	132322	5	QPSK	1	0	0
66	132647	5	QPSK	1	0	0
85	134027	5	QPSK	1	0	0
85	134092	5	QPSK	1	0	0
85	134157	5	QPSK	1	0	0

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1 dB
ERP/ EIRP measurement	+/- 2.93 dB
	+/- 2.93 dB
Emission Bandwidth	+/- 1.53 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 1.68 dB
Peak to Average Ratio	+/- 1 dB
Frequency Stability vs. Temperature	+/- 1.53 Hz
Frequency Stability vs. Voltage	+/- 1.53 Hz
Temperature	+/- 0.7 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 2.8 dB	9kHz~30MHz
	+/- 4.82 dB	30MHz - 1000MHz
	+/- 4.37 dB	1GHz - 18GHz
	+/- 4.21 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 2.8 dB	9kHz~30MHz
	+/- 4.54 dB	30MHz - 1000MHz
	+/- 4.37 dB	1GHz - 18GHz
	+/- 4.21 dB	18GHz - 40GHz

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.	CAL DUE.
Radio Communication Analyser	Anritsu	MT8821C	6262044751	10/24/2022	10/23/2023
DC Power Supply	Gwinstek	SPS-3610	GEV856750	08/01/2022	07/31/2023

6.2 Radiated Measurement

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/07/2022	07/06/2023
Horn Antenna	SCHWARZBECK	BBHA9120D	D803	11/30/2022	11/29/2023
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	11/27/2022	11/26/2023
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/16/2022	05/15/2023
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/30/2022	12/29/2023
Horn Antenna	SCHWARZBECK	BBHA9170	185	08/22/2022	08/21/2023
Site Cal	SGS	SAC 1	N/A	01/01/2023	12/31/2023
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/28/2022	10/27/2023
Signal Generator	R&S	SMBV100A	263084	01/11/2022	01/10/2023
Radio Communication Analyser	Anritsu	MT8821C	6261786084	01/18/2022	01/17/2023
Pre-Amplifier	EMCI	EMC184045B	980135	10/27/2022	10/26/2023
Pre-Amplifier	HP	8449B	3008A01973	12/13/2022	12/12/2023
Pre-Amplifier	HP	8447D	2944A09469	12/13/2022	12/12/2023
Bandreject Filter 635-920	Micro-Tronics	WI	4	12/13/2022	12/12/2023
Bandreject Filter 1700-2000	Micro-Tronics	EWT	M3	12/13/2022	12/12/2023
1.3G-15GHz High Pass Filter	WI	WHKX10-1066-80SS	19	12/13/2022	12/12/2023
3.2GHz High Pass Filter	WI	WHKX10-2624-80SS	3	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 104	160125	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 106	76096/6	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 102	SN 520430/2	12/13/2022	12/12/2023
Test Software	Audix	e3	Ver. 9.210322	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(c)

(9) Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

(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.

(7) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band are limited to 2 watts EIRP.

FCC 90.542(a)

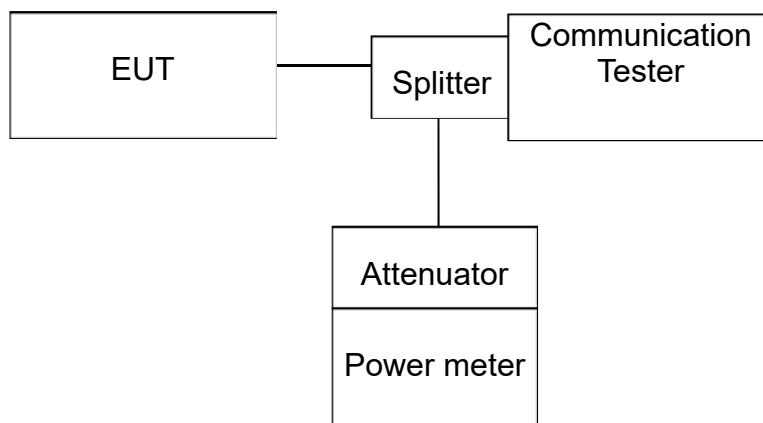
(6) Control stations and mobile stations transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 30 watts ERP.

(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.

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7.3 Test Set-up



Note: Measurement setup for testing on Antenna connector

7.4 Output Power Measurement Applicable Guidance

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading. TS 151 010-1 is reference to conduct the measurement of output power.

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. Wall 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 _{Meas} , typically dBW or dBm);
P _{Meas}	= 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

7.6.1 Cat M1

Test Date: March 3, 2023

Antenna gain (dBi)		1.25								
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	19.60	20.85	33	-12.15
				1	5	0	19.55	20.80	33	-12.2
				3	3	0	19.61	20.86	33	-12.14
				6	0	0	18.53	19.78	33	-13.22
	18900	1880	QPSK	1	0	0	19.96	21.21	33	-11.79
				1	5	0	19.95	21.20	33	-11.8
				3	3	0	19.95	21.20	33	-11.8
				6	0	0	19.02	20.27	33	-12.73
	19193	1909.3	QPSK	1	0	0	20.01	21.26	33	-11.74
				1	5	0	19.96	21.21	33	-11.79
				3	3	0	19.92	21.17	33	-11.83
				6	0	0	19.00	20.25	33	-12.75
	18607	1850.7	16QAM	1	0	0	19.53	20.78	33	-12.22
				1	5	0	19.53	20.78	33	-12.22
				3	0	0	19.54	20.79	33	-12.21
				5	0	0	18.57	19.82	33	-13.18
	18900	1880	16QAM	1	0	0	19.96	21.21	33	-11.79
				1	5	0	19.98	21.23	33	-11.77
				3	0	0	20.01	21.26	33	-11.74
				5	0	0	18.97	20.22	33	-12.78
	19193	1909.3	16QAM	1	0	0	19.96	21.21	33	-11.79
				1	5	0	19.97	21.22	33	-11.78
				3	0	0	19.95	21.20	33	-11.8
				5	0	0	18.94	20.19	33	-12.81

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Antenna gain (dBi)		1.25								
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	19.54	20.79	33	-12.21
				1	5	0	19.53	20.78	33	-12.22
				3	3	0	19.56	20.81	33	-12.19
				6	0	0	18.60	19.85	33	-13.15
	18900	1880	QPSK	1	0	0	19.94	21.19	33	-11.81
				1	5	0	19.96	21.21	33	-11.79
				3	3	0	20.00	21.25	33	-11.75
				6	0	0	19.00	20.25	33	-12.75
	19185	1908.5	QPSK	1	0	0	20.01	21.26	33	-11.74
				1	5	0	19.96	21.21	33	-11.79
				3	3	0	19.97	21.22	33	-11.78
				6	0	0	19.00	20.25	33	-12.75
	18615	1851.5	16QAM	1	0	0	19.56	20.81	33	-12.19
				1	5	0	19.58	20.83	33	-12.17
				3	0	0	19.60	20.85	33	-12.15
				5	0	0	18.59	19.84	33	-13.16
	18900	1880	16QAM	1	0	0	19.94	21.19	33	-11.81
				1	5	0	19.96	21.21	33	-11.79
				3	0	0	20.01	21.26	33	-11.74
				5	0	0	18.96	20.21	33	-12.79
	19185	1908.5	16QAM	1	0	0	20.00	21.25	33	-11.75
				1	5	0	19.94	21.19	33	-11.81
				3	0	0	19.93	21.18	33	-11.82
				5	0	0	18.92	20.17	33	-12.83

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Antenna gain (dBi)		1.25								
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	19.63	20.88	33	-12.12
				1	5	0	19.55	20.80	33	-12.2
				3	0	0	19.54	20.79	33	-12.21
				6	0	0	18.61	19.86	33	-13.14
	18900	1880	QPSK	1	0	0	20.04	21.29	33	-11.71
				1	5	0	20.01	21.26	33	-11.74
				3	0	0	19.94	21.19	33	-11.81
				6	0	0	19.03	20.28	33	-12.72
	19175	1907.5	QPSK	1	0	0	20.02	21.27	33	-11.73
				1	5	0	20.01	21.26	33	-11.74
				3	0	0	19.94	21.19	33	-11.81
				6	0	0	18.97	20.22	33	-12.78
	18625	1852.5	16QAM	1	0	0	19.56	20.81	33	-12.19
				1	5	0	19.57	20.82	33	-12.18
				3	0	0	19.58	20.83	33	-12.17
				5	0	0	18.62	19.87	33	-13.13
	18900	1880	16QAM	1	0	0	20.00	21.25	33	-11.75
				1	5	0	19.96	21.21	33	-11.79
				3	0	0	20.00	21.25	33	-11.75
				5	0	0	19.00	20.25	33	-12.75
	19175	1907.5	16QAM	1	0	0	20.01	21.26	33	-11.74
				1	5	0	19.99	21.24	33	-11.76
				3	0	0	19.93	21.18	33	-11.82
				5	0	0	18.97	20.22	33	-12.78

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Antenna gain (dBi)		2.22								
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)
1.4	19957	1710.7	QPSK	1	0	0	20.11	22.33	30	-7.67
				1	5	0	20.10	22.32	30	-7.68
				3	3	0	20.11	22.33	30	-7.67
				6	0	0	19.05	21.27	30	-8.73
	20175	1732.5	QPSK	1	0	0	20.10	22.32	30	-7.68
				1	5	0	20.09	22.31	30	-7.69
				3	3	0	20.07	22.29	30	-7.71
				6	0	0	19.06	21.28	30	-8.72
	20393	1754.3	QPSK	1	0	0	19.90	22.12	30	-7.88
				1	5	0	19.94	22.16	30	-7.84
				3	3	0	19.94	22.16	30	-7.84
				6	0	0	18.94	21.16	30	-8.84
	19957	1710.7	16QAM	1	0	0	20.05	22.27	30	-7.73
				1	5	0	20.06	22.28	30	-7.72
				3	0	0	20.07	22.29	30	-7.71
				5	0	0	19.03	21.25	30	-8.75
	20175	1732.5	16QAM	1	0	0	20.05	22.27	30	-7.73
				1	5	0	20.01	22.23	30	-7.77
				3	0	0	20.04	22.26	30	-7.74
				5	0	0	19.09	21.31	30	-8.69
	20393	1754.3	16QAM	1	0	0	19.94	22.16	30	-7.84
				1	5	0	19.88	22.10	30	-7.9
				3	0	0	19.87	22.09	30	-7.91
				5	0	0	18.86	21.08	30	-8.92

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Antenna gain (dBi)		2.22								
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	20.05	22.27	30	-7.73
				1	5	0	20.09	22.31	30	-7.69
				3	3	0	20.06	22.28	30	-7.72
				6	0	0	19.10	21.32	30	-8.68
	20175	1732.5	QPSK	1	0	0	20.05	22.27	30	-7.73
				1	5	0	20.10	22.32	30	-7.68
				3	3	0	20.09	22.31	30	-7.69
				6	0	0	19.02	21.24	30	-8.76
	20385	1753.5	QPSK	1	0	0	19.88	22.10	30	-7.9
				1	5	0	19.86	22.08	30	-7.92
				3	3	0	19.90	22.12	30	-7.88
				6	0	0	18.93	21.15	30	-8.85
	19965	1711.5	16QAM	1	0	0	20.02	22.24	30	-7.76
				1	5	0	20.09	22.31	30	-7.69
				3	0	0	20.11	22.33	30	-7.67
				5	0	0	19.11	21.33	30	-8.67
	20175	1732.5	16QAM	1	0	0	20.01	22.23	30	-7.77
				1	5	0	20.06	22.28	30	-7.72
				3	0	0	20.07	22.29	30	-7.71
				5	0	0	19.09	21.31	30	-8.69
	20385	1753.5	16QAM	1	0	0	19.85	22.07	30	-7.93
				1	5	0	19.85	22.07	30	-7.93
				3	0	0	19.87	22.09	30	-7.91
				5	0	0	18.92	21.14	30	-8.86

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Antenna gain (dBi)		2.22								
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	20.12	22.34	30	-7.66
				1	5	0	20.09	22.31	30	-7.69
				3	0	0	20.11	22.33	30	-7.67
				6	0	0	19.10	21.32	30	-8.68
	20175	1732.5	QPSK	1	0	0	20.11	22.33	30	-7.67
				1	5	0	20.02	22.24	30	-7.76
				3	0	0	20.08	22.30	30	-7.7
				6	0	0	19.01	21.23	30	-8.77
	20375	1752.5	QPSK	1	0	0	19.95	22.17	30	-7.83
				1	5	0	19.94	22.16	30	-7.84
				3	0	0	19.92	22.14	30	-7.86
				6	0	0	18.91	21.13	30	-8.87
	19975	1712.5	16QAM	1	0	0	20.11	22.33	30	-7.67
				1	5	0	20.06	22.28	30	-7.72
				3	0	0	20.08	22.30	30	-7.7
				5	0	0	19.11	21.33	30	-8.67
	20175	1732.5	16QAM	1	0	0	20.02	22.24	30	-7.76
				1	5	0	20.01	22.23	30	-7.77
				3	0	0	20.04	22.26	30	-7.74
				5	0	0	19.10	21.32	30	-8.68
	20375	1752.5	16QAM	1	0	0	19.92	22.14	30	-7.86
				1	5	0	19.94	22.16	30	-7.84
				3	0	0	19.93	22.15	30	-7.85
				5	0	0	18.87	21.09	30	-8.91

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Antenna gain (dBi) -0.08

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	19.82	17.59	19.74	38.45	-20.86
				1	5	0	19.81	17.58	19.73	38.45	-20.87
				3	3	0	19.79	17.56	19.71	38.45	-20.89
				6	0	0	18.78	16.55	18.70	38.45	-21.90
	20525	836.5	QPSK	1	0	0	19.83	17.60	19.75	38.45	-20.85
				1	5	0	19.76	17.53	19.68	38.45	-20.92
				3	3	0	19.78	17.55	19.70	38.45	-20.90
				6	0	0	18.79	16.56	18.71	38.45	-21.89
	20643	848.3	QPSK	1	0	0	19.59	17.36	19.51	38.45	-21.09
				1	5	0	19.57	17.34	19.49	38.45	-21.11
				3	3	0	19.62	17.39	19.54	38.45	-21.06
				6	0	0	18.61	16.38	18.53	38.45	-22.07
	20407	824.7	16QAM	1	0	0	19.87	17.64	19.79	38.45	-20.81
				1	5	0	19.82	17.59	19.74	38.45	-20.86
				3	0	0	19.87	17.64	19.79	38.45	-20.81
				5	0	0	18.80	16.57	18.72	38.45	-21.88
	20525	836.5	16QAM	1	0	0	19.81	17.58	19.73	38.45	-20.87
				1	5	0	19.76	17.53	19.68	38.45	-20.92
				3	0	0	19.80	17.57	19.72	38.45	-20.88
				5	0	0	18.78	16.55	18.70	38.45	-21.90
	20643	848.3	16QAM	1	0	0	19.57	17.34	19.49	38.45	-21.11
				1	5	0	19.56	17.33	19.48	38.45	-21.12
				3	0	0	19.56	17.33	19.48	38.45	-21.12
				5	0	0	18.61	16.38	18.53	38.45	-22.07

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Antenna gain (dBi)		-0.08									
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	19.86	17.63	19.78	38.45	-20.82
				1	5	0	19.80	17.57	19.72	38.45	-20.88
				3	3	0	19.87	17.64	19.79	38.45	-20.81
				6	0	0	18.81	16.58	18.73	38.45	-21.87
	20525	836.5	QPSK	1	0	0	19.80	17.57	19.72	38.45	-20.88
				1	5	0	19.78	17.55	19.70	38.45	-20.90
				3	3	0	19.75	17.52	19.67	38.45	-20.93
				6	0	0	18.74	16.51	18.66	38.45	-21.94
	20635	847.5	QPSK	1	0	0	19.58	17.35	19.50	38.45	-21.10
				1	5	0	19.62	17.39	19.54	38.45	-21.06
				3	3	0	19.58	17.35	19.50	38.45	-21.10
				6	0	0	18.58	16.35	18.50	38.45	-22.10
	20415	825.5	16QAM	1	0	0	19.84	17.61	19.76	38.45	-20.84
				1	5	0	19.83	17.60	19.75	38.45	-20.85
				3	0	0	19.84	17.61	19.76	38.45	-20.84
				5	0	0	18.83	16.60	18.75	38.45	-21.85
	20525	836.5	16QAM	1	0	0	19.76	17.53	19.68	38.45	-20.92
				1	5	0	19.77	17.54	19.69	38.45	-20.91
				3	0	0	19.74	17.51	19.66	38.45	-20.94
				5	0	0	18.83	16.60	18.75	38.45	-21.85
	20635	847.5	16QAM	1	0	0	19.61	17.38	19.53	38.45	-21.07
				1	5	0	19.63	17.40	19.55	38.45	-21.05
				3	0	0	19.60	17.37	19.52	38.45	-21.08
				5	0	0	18.60	16.37	18.52	38.45	-22.08

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Antenna gain (dBi)		-0.08									
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	19.88	17.65	19.80	38.45	-20.80
				1	5	0	19.85	17.62	19.77	38.45	-20.83
				3	0	0	19.80	17.57	19.72	38.45	-20.88
				6	0	0	18.87	16.64	18.79	38.45	-21.81
	20525	836.5	QPSK	1	0	0	19.84	17.61	19.76	38.45	-20.84
				1	5	0	19.76	17.53	19.68	38.45	-20.92
				3	0	0	19.79	17.56	19.71	38.45	-20.89
				6	0	0	18.77	16.54	18.69	38.45	-21.91
	20625	846.5	QPSK	1	0	0	19.65	17.42	19.57	38.45	-21.03
				1	5	0	19.64	17.41	19.56	38.45	-21.04
				3	0	0	19.62	17.39	19.54	38.45	-21.06
				6	0	0	18.64	16.41	18.56	38.45	-22.04
	20425	826.5	16QAM	1	0	0	19.84	17.61	19.76	38.45	-20.84
				1	5	0	19.81	17.58	19.73	38.45	-20.87
				3	0	0	19.84	17.61	19.76	38.45	-20.84
				5	0	0	18.87	16.64	18.79	38.45	-21.81
	20525	836.5	16QAM	1	0	0	19.74	17.51	19.66	38.45	-20.94
				1	5	0	19.80	17.57	19.72	38.45	-20.88
				3	0	0	19.83	17.60	19.75	38.45	-20.85
				5	0	0	18.75	16.52	18.67	38.45	-21.93
	20625	846.5	16QAM	1	0	0	19.62	17.39	19.54	38.45	-21.06
				1	5	0	19.59	17.36	19.51	38.45	-21.09
				3	0	0	19.63	17.40	19.55	38.45	-21.05
				5	0	0	18.62	16.39	18.54	38.45	-22.06

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Antenna gain (dBi) 1.29

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	20.02	19.16	21.31	34.77	-15.61
				1	5	0	20.04	19.18	21.33	34.77	-15.59
				3	3	0	20.04	19.18	21.33	34.77	-15.59
				6	0	0	19.06	18.20	20.35	34.77	-16.57
	23095	707.5	QPSK	1	0	0	20.06	19.20	21.35	34.77	-15.57
				1	5	0	20.07	19.21	21.36	34.77	-15.56
				3	3	0	20.06	19.20	21.35	34.77	-15.57
				6	0	0	19.07	18.21	20.36	34.77	-16.56
	23173	715.5	QPSK	1	0	0	19.88	19.02	21.17	34.77	-15.75
				1	5	0	19.90	19.04	21.19	34.77	-15.73
				3	3	0	19.90	19.04	21.19	34.77	-15.73
				6	0	0	18.81	17.95	20.10	34.77	-16.82
	23017	699.7	16QAM	1	0	0	20.04	19.18	21.33	34.77	-15.59
				1	5	0	19.97	19.11	21.26	34.77	-15.66
				3	0	0	20.01	19.15	21.30	34.77	-15.62
				5	0	0	18.97	18.11	20.26	34.77	-16.66
	23095	707.5	16QAM	1	0	0	20.02	19.16	21.31	34.77	-15.61
				1	5	0	20.07	19.21	21.36	34.77	-15.56
				3	0	0	20.06	19.20	21.35	34.77	-15.57
				5	0	0	18.99	18.13	20.28	34.77	-16.64
	23173	715.5	16QAM	1	0	0	19.84	18.98	21.13	34.77	-15.79
				1	5	0	19.88	19.02	21.17	34.77	-15.75
				3	0	0	19.87	19.01	21.16	34.77	-15.76
				5	0	0	18.86	18.00	20.15	34.77	-16.77

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Antenna gain (dBi)		1.29									
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	19.99	19.13	21.28	34.77	-15.64
				1	5	0	19.97	19.11	21.26	34.77	-15.66
				3	3	0	20.05	19.19	21.34	34.77	-15.58
				6	0	0	19.02	18.16	20.31	34.77	-16.61
	23095	707.5	QPSK	1	0	0	20.05	19.19	21.34	34.77	-15.58
				1	5	0	20.06	19.20	21.35	34.77	-15.57
				3	3	0	20.01	19.15	21.30	34.77	-15.62
				6	0	0	18.98	18.12	20.27	34.77	-16.65
	23165	714.5	QPSK	1	0	0	19.84	18.98	21.13	34.77	-15.79
				1	5	0	19.86	19.00	21.15	34.77	-15.77
				3	3	0	19.83	18.97	21.12	34.77	-15.80
				6	0	0	18.87	18.01	20.16	34.77	-16.76
	23025	700.5	16QAM	1	0	0	20.01	19.15	21.30	34.77	-15.62
				1	5	0	20.03	19.17	21.32	34.77	-15.60
				3	0	0	20.03	19.17	21.32	34.77	-15.60
				5	0	0	19.03	18.17	20.32	34.77	-16.60
	23095	707.5	16QAM	1	0	0	19.99	19.13	21.28	34.77	-15.64
				1	5	0	20.00	19.14	21.29	34.77	-15.63
				3	0	0	20.06	19.20	21.35	34.77	-15.57
				5	0	0	19.07	18.21	20.36	34.77	-16.56
	23165	714.5	16QAM	1	0	0	19.81	18.95	21.10	34.77	-15.82
				1	5	0	19.88	19.02	21.17	34.77	-15.75
				3	0	0	19.81	18.95	21.10	34.77	-15.82
				5	0	0	18.87	18.01	20.16	34.77	-16.76

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Antenna gain (dBi)		1.29									
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	20.07	19.21	21.36	34.77	-15.56
				1	5	0	20.03	19.17	21.32	34.77	-15.60
				3	0	0	19.98	19.12	21.27	34.77	-15.65
				6	0	0	19.03	18.17	20.32	34.77	-16.60
	23095	707.5	QPSK	1	0	0	20.08	19.22	21.37	34.77	-15.55
				1	5	0	20.03	19.17	21.32	34.77	-15.60
				3	0	0	20.02	19.16	21.31	34.77	-15.61
				6	0	0	19.05	18.19	20.34	34.77	-16.58
	23155	713.5	QPSK	1	0	0	19.91	19.05	21.20	34.77	-15.72
				1	5	0	19.87	19.01	21.16	34.77	-15.76
				3	0	0	19.81	18.95	21.10	34.77	-15.82
				6	0	0	18.90	18.04	20.19	34.77	-16.73
	23035	701.5	16QAM	1	0	0	20.05	19.19	21.34	34.77	-15.58
				1	5	0	19.99	19.13	21.28	34.77	-15.64
				3	0	0	20.02	19.16	21.31	34.77	-15.61
				5	0	0	18.99	18.13	20.28	34.77	-16.64
	23095	707.5	16QAM	1	0	0	20.07	19.21	21.36	34.77	-15.56
				1	5	0	19.98	19.12	21.27	34.77	-15.65
				3	0	0	19.98	19.12	21.27	34.77	-15.65
				5	0	0	19.03	18.17	20.32	34.77	-16.60
	23155	713.5	16QAM	1	0	0	19.81	18.95	21.10	34.77	-15.82
				1	5	0	19.88	19.02	21.17	34.77	-15.75
				3	0	0	19.86	19.00	21.15	34.77	-15.77
				5	0	0	18.84	17.98	20.13	34.77	-16.79

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Antenna gain (dBi) 0.38

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	19.97	18.20	20.35	34.77	-16.57
				1	5	0	19.89	18.12	20.27	34.77	-16.65
				3	0	0	19.90	18.13	20.28	34.77	-16.64
				6	0	0	18.95	17.18	19.33	34.77	-17.59
	23230	782	QPSK	1	0	0	19.91	18.14	20.29	34.77	-16.63
				1	5	0	19.89	18.12	20.27	34.77	-16.65
				3	0	0	19.88	18.11	20.26	34.77	-16.66
				6	0	0	18.86	17.09	19.24	34.77	-17.68
	23255	784.5	QPSK	1	0	0	19.82	18.05	20.20	34.77	-16.72
				1	5	0	19.73	17.96	20.11	34.77	-16.81
				3	0	0	19.80	18.03	20.18	34.77	-16.74
				6	0	0	18.76	16.99	19.14	34.77	-17.78
	23205	779.5	16QAM	1	0	0	19.88	18.11	20.26	34.77	-16.66
				1	5	0	19.87	18.10	20.25	34.77	-16.67
				3	0	0	19.90	18.13	20.28	34.77	-16.64
				5	0	0	18.91	17.14	19.29	34.77	-17.63
	23230	782	16QAM	1	0	0	19.84	18.07	20.22	34.77	-16.70
				1	5	0	19.88	18.11	20.26	34.77	-16.66
				3	0	0	19.90	18.13	20.28	34.77	-16.64
				5	0	0	18.82	17.05	19.20	34.77	-17.72
	23255	784.5	16QAM	1	0	0	19.72	17.95	20.10	34.77	-16.82
				1	5	0	19.75	17.98	20.13	34.77	-16.79
				3	0	0	19.73	17.96	20.11	34.77	-16.81
				5	0	0	18.76	16.99	19.14	34.77	-17.78

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Antenna gain (dB) 0.23

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	19.93	18.01	20.16	34.77	-16.76
				1	5	0	19.85	17.93	20.08	34.77	-16.84
				3	0	0	19.86	17.94	20.09	34.77	-16.83
				6	0	0	18.84	16.92	19.07	34.77	-17.85
	23330	793	QPSK	1	0	0	19.92	18.00	20.15	34.77	-16.77
				1	5	0	19.84	17.92	20.07	34.77	-16.85
				3	0	0	19.87	17.95	20.10	34.77	-16.82
				6	0	0	18.88	16.96	19.11	34.77	-17.81
	23355	795.5	QPSK	1	0	0	19.97	18.05	20.20	34.77	-16.72
				1	5	0	19.89	17.97	20.12	34.77	-16.80
				3	0	0	19.90	17.98	20.13	34.77	-16.79
				6	0	0	18.93	17.01	19.16	34.77	-17.76
	23305	790.5	16QAM	1	0	0	19.92	18.00	20.15	34.77	-16.77
				1	5	0	19.92	18.00	20.15	34.77	-16.77
				3	0	0	19.83	17.91	20.06	34.77	-16.86
				5	0	0	18.92	17.00	19.15	34.77	-17.77
	23330	793	16QAM	1	0	0	19.88	17.96	20.11	34.77	-16.81
				1	5	0	19.88	17.96	20.11	34.77	-16.81
				3	0	0	19.91	17.99	20.14	34.77	-16.78
				5	0	0	18.86	16.94	19.09	34.77	-17.83
	23355	795.5	16QAM	1	0	0	19.93	18.01	20.16	34.77	-16.76
				1	5	0	19.95	18.03	20.18	34.77	-16.74
				3	0	0	19.89	17.97	20.12	34.77	-16.80
				5	0	0	18.90	16.98	19.13	34.77	-17.79

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Antenna gain (dBi) 1.25

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	19.91	21.16	33	-11.84
				1	5	0	19.88	21.13	33	-11.87
				3	3	0	19.89	21.14	33	-11.86
				6	0	0	18.87	20.12	33	-12.88
	26365	1882.5	QPSK	1	0	0	19.94	21.19	33	-11.81
				1	5	0	19.89	21.14	33	-11.86
				3	3	0	19.97	21.22	33	-11.78
				6	0	0	18.91	20.16	33	-12.84
	26683	1914.3	QPSK	1	0	0	20.00	21.25	33	-11.75
				1	5	0	20.08	21.33	33	-11.67
				3	3	0	20.05	21.30	33	-11.7
				6	0	0	19.06	20.31	33	-12.69
	26047	1850.7	16QAM	1	0	0	19.85	21.10	33	-11.9
				1	5	0	19.88	21.13	33	-11.87
				3	0	0	19.89	21.14	33	-11.86
				5	0	0	18.91	20.16	33	-12.84
	26365	1882.5	16QAM	1	0	0	19.97	21.22	33	-11.78
				1	5	0	19.90	21.15	33	-11.85
				3	0	0	19.92	21.17	33	-11.83
				5	0	0	18.89	20.14	33	-12.86
	26683	1914.3	16QAM	1	0	0	20.04	21.29	33	-11.71
				1	5	0	20.05	21.30	33	-11.7
				3	0	0	20.00	21.25	33	-11.75
				5	0	0	19.08	20.33	33	-12.67

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Antenna gain (dBi)		1.25								
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	19.84	21.09	33	-11.91
				1	5	0	19.84	21.09	33	-11.91
				3	3	0	19.86	21.11	33	-11.89
				6	0	0	18.92	20.17	33	-12.83
	26365	1882.5	QPSK	1	0	0	19.93	21.18	33	-11.82
				1	5	0	19.92	21.17	33	-11.83
				3	3	0	19.95	21.20	33	-11.8
				6	0	0	18.97	20.22	33	-12.78
	26675	1913.5	QPSK	1	0	0	20.07	21.32	33	-11.68
				1	5	0	20.02	21.27	33	-11.73
				3	3	0	20.07	21.32	33	-11.68
				6	0	0	19.07	20.32	33	-12.68
	26055	1851.5	16QAM	1	0	0	19.90	21.15	33	-11.85
				1	5	0	19.92	21.17	33	-11.83
				3	0	0	19.86	21.11	33	-11.89
				5	0	0	18.88	20.13	33	-12.87
	26365	1882.5	16QAM	1	0	0	19.94	21.19	33	-11.81
				1	5	0	19.91	21.16	33	-11.84
				3	0	0	19.89	21.14	33	-11.86
				5	0	0	18.93	20.18	33	-12.82
	26675	1913.5	16QAM	1	0	0	20.05	21.30	33	-11.7
				1	5	0	20.02	21.27	33	-11.73
				3	0	0	20.03	21.28	33	-11.72
				5	0	0	19.07	20.32	33	-12.68

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Antenna gain (dBi)		1.25								
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	19.94	21.19	33	-11.81
				1	5	0	19.88	21.13	33	-11.87
				3	0	0	19.84	21.09	33	-11.91
				6	0	0	18.87	20.12	33	-12.88
	26365	1882.5	QPSK	1	0	0	19.99	21.24	33	-11.76
				1	5	0	19.93	21.18	33	-11.82
				3	0	0	19.94	21.19	33	-11.81
				6	0	0	18.97	20.22	33	-12.78
	26665	1912.5	QPSK	1	0	0	20.10	21.35	33	-11.65
				1	5	0	20.01	21.26	33	-11.74
				3	0	0	20.00	21.25	33	-11.75
				6	0	0	19.05	20.30	33	-12.7
	26065	1852.5	16QAM	1	0	0	19.87	21.12	33	-11.88
				1	5	0	19.85	21.10	33	-11.9
				3	0	0	19.91	21.16	33	-11.84
				5	0	0	18.89	20.14	33	-12.86
	26365	1882.5	16QAM	1	0	0	19.96	21.21	33	-11.79
				1	5	0	19.97	21.22	33	-11.78
				3	0	0	19.96	21.21	33	-11.79
				5	0	0	18.97	20.22	33	-12.78
	26665	1912.5	16QAM	1	0	0	20.05	21.30	33	-11.7
				1	5	0	20.06	21.31	33	-11.69
				3	0	0	20.02	21.27	33	-11.73
				5	0	0	19.01	20.26	33	-12.74

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Antenna gain (dBi) -0.08

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	19.78	17.55	19.70	38.45	-20.90
				1	5	0	19.50	17.27	19.42	38.45	-21.18
				3	3	0	18.64	16.41	18.56	38.45	-22.04
				6	0	0	17.72	15.49	17.64	38.45	-22.96
	26915	836.5	QPSK	1	0	0	19.82	17.59	19.74	38.45	-20.86
				1	5	0	19.52	17.29	19.44	38.45	-21.16
				3	3	0	18.68	16.45	18.60	38.45	-22.00
				6	0	0	17.72	15.49	17.64	38.45	-22.96
	27033	848.3	QPSK	1	0	0	19.68	17.45	19.60	38.45	-21.00
				1	5	0	19.34	17.11	19.26	38.45	-21.34
				3	3	0	18.50	16.27	18.42	38.45	-22.18
				6	0	0	17.60	15.37	17.52	38.45	-23.08
	26797	824.7	16QAM	1	0	0	18.80	16.57	18.72	38.45	-21.88
				1	5	0	18.50	16.27	18.42	38.45	-22.18
				3	0	0	17.78	15.55	17.70	38.45	-22.90
				5	0	0	17.84	15.61	17.76	38.45	-22.84
	26915	836.5	16QAM	1	0	0	18.81	16.58	18.73	38.45	-21.87
				1	5	0	18.48	16.25	18.40	38.45	-22.20
				3	0	0	17.76	15.53	17.68	38.45	-22.92
				5	0	0	17.81	15.58	17.73	38.45	-22.87
	27033	848.3	16QAM	1	0	0	18.67	16.44	18.59	38.45	-22.01
				1	5	0	18.35	16.12	18.27	38.45	-22.33
				3	0	0	17.66	15.43	17.58	38.45	-23.02
				5	0	0	17.70	15.47	17.62	38.45	-22.98

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Antenna gain (dBi)		-0.08									
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	19.75	17.52	19.67	38.45	-20.93
				1	5	0	19.71	17.48	19.63	38.45	-20.97
				3	3	0	18.69	16.46	18.61	38.45	-21.99
				6	0	0	17.71	15.48	17.63	38.45	-22.97
	26915	836.5	QPSK	1	0	0	19.70	17.47	19.62	38.45	-20.98
				1	5	0	19.44	17.21	19.36	38.45	-21.24
				3	3	0	18.62	16.39	18.54	38.45	-22.06
				6	0	0	17.73	15.50	17.65	38.45	-22.95
	27025	847.5	QPSK	1	0	0	19.53	17.30	19.45	38.45	-21.15
				1	5	0	19.31	17.08	19.23	38.45	-21.37
				3	3	0	18.48	16.25	18.40	38.45	-22.20
				6	0	0	17.51	15.28	17.43	38.45	-23.17
	26805	825.5	16QAM	1	0	0	18.78	16.55	18.70	38.45	-21.90
				1	5	0	18.70	16.47	18.62	38.45	-21.98
				3	0	0	17.75	15.52	17.67	38.45	-22.93
				5	0	0	17.82	15.59	17.74	38.45	-22.86
	26915	836.5	16QAM	1	0	0	18.79	16.56	18.71	38.45	-21.89
				1	5	0	18.47	16.24	18.39	38.45	-22.21
				3	0	0	17.78	15.55	17.70	38.45	-22.90
				5	0	0	17.84	15.61	17.76	38.45	-22.84
	27025	847.5	16QAM	1	0	0	18.57	16.34	18.49	38.45	-22.11
				1	5	0	18.33	16.10	18.25	38.45	-22.35
				3	0	0	17.56	15.33	17.48	38.45	-23.12
				5	0	0	17.61	15.38	17.53	38.45	-23.07

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Antenna gain (dBi)		-0.08									
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	20.34	18.11	20.26	38.45	-20.34
				1	5	0	20.12	17.89	20.04	38.45	-20.56
				3	0	0	20.20	17.97	20.12	38.45	-20.48
				6	0	0	19.10	16.87	19.02	38.45	-21.58
	26915	836.5	QPSK	1	0	0	20.34	18.11	20.26	38.45	-20.34
				1	5	0	20.11	17.88	20.03	38.45	-20.57
				3	0	0	20.14	17.91	20.06	38.45	-20.54
				6	0	0	18.88	16.65	18.80	38.45	-21.80
	27015	846.5	QPSK	1	0	0	19.81	17.58	19.73	38.45	-20.87
				1	5	0	19.63	17.40	19.55	38.45	-21.05
				3	0	0	19.66	17.43	19.58	38.45	-21.02
				6	0	0	18.60	16.37	18.52	38.45	-22.08
	26815	826.5	16QAM	1	0	0	19.88	17.65	19.80	38.45	-20.80
				1	5	0	19.66	17.43	19.58	38.45	-21.02
				3	0	0	19.84	17.61	19.76	38.45	-20.84
				5	0	0	18.61	16.38	18.53	38.45	-22.07
	26915	836.5	16QAM	1	0	0	19.67	17.44	19.59	38.45	-21.01
				1	5	0	19.54	17.31	19.46	38.45	-21.14
				3	0	0	19.72	17.49	19.64	38.45	-20.96
				5	0	0	18.62	16.39	18.54	38.45	-22.06
	27015	846.5	16QAM	1	0	0	19.40	17.17	19.32	38.45	-21.28
				1	5	0	19.15	16.92	19.07	38.45	-21.53
				3	0	0	19.35	17.12	19.27	38.45	-21.33
				5	0	0	18.27	16.04	18.19	38.45	-22.41

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Antenna gain (dB) -0.08

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	20.18	17.95	20.10	50	-32.05
				1	5	0	19.90	17.67	19.82	50	-32.33
				3	3	0	18.98	16.75	18.90	50	-33.25
				6	0	0	18.03	15.80	17.95	50	-34.20
	26740	819	QPSK	1	0	0	20.15	17.92	20.07	50	-32.08
				1	5	0	19.89	17.66	19.81	50	-32.34
				3	3	0	19.00	16.77	18.92	50	-33.23
				6	0	0	18.08	15.85	18.00	50	-34.15
	26783	823.3	QPSK	1	0	0	19.90	17.67	19.82	50	-32.33
				1	5	0	19.50	17.27	19.42	50	-32.73
				3	3	0	18.72	16.49	18.64	50	-33.51
				6	0	0	17.80	15.57	17.72	50	-34.43
	26697	814.7	16QAM	1	0	0	19.18	16.95	19.10	50	-33.05
				1	5	0	18.89	16.66	18.81	50	-33.34
				3	0	0	18.10	15.87	18.02	50	-34.13
				5	0	0	18.15	15.92	18.07	50	-34.08
	26740	819	16QAM	1	0	0	19.23	17.00	19.15	50	-33.00
				1	5	0	18.93	16.70	18.85	50	-33.30
				3	0	0	18.15	15.92	18.07	50	-34.08
				5	0	0	18.20	15.97	18.12	50	-34.03
	26783	823.3	16QAM	1	0	0	18.90	16.67	18.82	50	-33.33
				1	5	0	18.47	16.24	18.39	50	-33.76
				3	0	0	17.85	15.62	17.77	50	-34.38
				5	0	0	17.92	15.69	17.84	50	-34.31

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Antenna gain (dBi)		-0.08									
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	20.09	17.86	20.01	50	-32.14
				1	5	0	19.83	17.60	19.75	50	-32.4
				3	3	0	18.91	16.68	18.83	50	-33.32
				6	0	0	17.98	15.75	17.90	50	-34.25
	26740	819	QPSK	1	0	0	20.11	17.88	20.03	50	-32.12
				1	5	0	19.86	17.63	19.78	50	-32.37
				3	3	0	18.88	16.65	18.80	50	-33.35
				6	0	0	17.98	15.75	17.90	50	-34.25
	26775	822.5	QPSK	1	0	0	20.03	17.80	19.95	50	-32.2
				1	5	0	19.75	17.52	19.67	50	-32.48
				3	3	0	18.70	16.47	18.62	50	-33.53
				6	0	0	17.88	15.65	17.80	50	-34.35
	26705	815.5	16QAM	1	0	0	19.09	16.86	19.01	50	-33.14
				1	5	0	18.80	16.57	18.72	50	-33.43
				3	0	0	18.02	15.79	17.94	50	-34.21
				5	0	0	18.09	15.86	18.01	50	-34.14
	26740	819	16QAM	1	0	0	19.10	16.87	19.02	50	-33.13
				1	5	0	18.80	16.57	18.72	50	-33.43
				3	0	0	18.02	15.79	17.94	50	-34.21
				5	0	0	18.10	15.87	18.02	50	-34.13
	26775	822.5	16QAM	1	0	0	19.07	16.84	18.99	50	-33.16
				1	5	0	18.70	16.47	18.62	50	-33.53
				3	0	0	18.00	15.77	17.92	50	-34.23
				5	0	0	18.07	15.84	17.99	50	-34.16

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Antenna gain (dBi)		-0.08									
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	20.57	18.34	20.49	50	-31.66
				1	5	0	20.36	18.13	20.28	50	-31.87
				3	0	0	20.43	18.20	20.35	50	-31.8
				6	0	0	19.31	17.08	19.23	50	-32.92
	26740	819	QPSK	1	0	0	20.55	18.32	20.47	50	-31.68
				1	5	0	20.35	18.12	20.27	50	-31.88
				3	0	0	20.43	18.20	20.35	50	-31.8
				6	0	0	19.32	17.09	19.24	50	-32.91
	26765	821.5	QPSK	1	0	0	20.57	18.34	20.49	50	-31.66
				1	5	0	20.36	18.13	20.28	50	-31.87
				3	0	0	20.44	18.21	20.36	50	-31.79
				6	0	0	19.26	17.03	19.18	50	-32.97
	26715	816.5	16QAM	1	0	0	20.09	17.86	20.01	50	-32.14
				1	5	0	19.87	17.64	19.79	50	-32.36
				3	0	0	20.03	17.80	19.95	50	-32.2
				5	0	0	18.87	16.64	18.79	50	-33.36
	26740	819	16QAM	1	0	0	20.09	17.86	20.01	50	-32.14
				1	5	0	19.96	17.73	19.88	50	-32.27
				3	0	0	20.13	17.90	20.05	50	-32.1
				5	0	0	18.99	16.76	18.91	50	-33.24
	26765	821.5	16QAM	1	0	0	20.14	17.91	20.06	50	-32.09
				1	5	0	19.84	17.61	19.76	50	-32.39
				3	0	0	20.09	17.86	20.01	50	-32.14
				5	0	0	18.96	16.73	18.88	50	-33.27

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Antenna gain (dBi) 2.22

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	19.95	22.17	30	-7.83
				1	5	0	19.94	22.16	30	-7.84
				3	3	0	19.90	22.12	30	-7.88
				6	0	0	18.94	21.16	30	-8.84
	132322	1745	QPSK	1	0	0	19.82	22.04	30	-7.96
				1	5	0	19.83	22.05	30	-7.95
				3	3	0	19.81	22.03	30	-7.97
				6	0	0	18.85	21.07	30	-8.93
	132665	1779.3	QPSK	1	0	0	20.07	22.29	30	-7.71
				1	5	0	20.08	22.30	30	-7.7
				3	3	0	20.08	22.30	30	-7.7
				6	0	0	19.09	21.31	30	-8.69
	131979	1710.7	16QAM	1	0	0	19.94	22.16	30	-7.84
				1	5	0	19.93	22.15	30	-7.85
				3	0	0	19.95	22.17	30	-7.83
				5	0	0	18.94	21.16	30	-8.84
	132322	1745	16QAM	1	0	0	19.85	22.07	30	-7.93
				1	5	0	19.79	22.01	30	-7.99
				3	0	0	19.79	22.01	30	-7.99
				5	0	0	18.86	21.08	30	-8.92
	132665	1779.3	16QAM	1	0	0	20.14	22.36	30	-7.64
				1	5	0	20.11	22.33	30	-7.67
				3	0	0	20.12	22.34	30	-7.66
				5	0	0	19.09	21.31	30	-8.69

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Antenna gain (dBi)		2.22								
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	19.96	22.18	30	-7.82
				1	5	0	19.92	22.14	30	-7.86
				3	3	0	19.90	22.12	30	-7.88
				6	0	0	18.89	21.11	30	-8.89
	132322	1745	QPSK	1	0	0	19.84	22.06	30	-7.94
				1	5	0	19.77	21.99	30	-8.01
				3	3	0	19.84	22.06	30	-7.94
				6	0	0	18.82	21.04	30	-8.96
	132657	1778.5	QPSK	1	0	0	20.09	22.31	30	-7.69
				1	5	0	20.07	22.29	30	-7.71
				3	3	0	20.07	22.29	30	-7.71
				6	0	0	19.07	21.29	30	-8.71
	131987	1711.5	16QAM	1	0	0	19.91	22.13	30	-7.87
				1	5	0	19.88	22.10	30	-7.9
				3	0	0	19.95	22.17	30	-7.83
				5	0	0	18.92	21.14	30	-8.86
	132322	1745	16QAM	1	0	0	19.82	22.04	30	-7.96
				1	5	0	19.78	22.00	30	-8
				3	0	0	19.78	22.00	30	-8
				5	0	0	18.81	21.03	30	-8.97
	132657	1778.5	16QAM	1	0	0	20.10	22.32	30	-7.68
				1	5	0	20.10	22.32	30	-7.68
				3	0	0	20.09	22.31	30	-7.69
				5	0	0	19.10	21.32	30	-8.68

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Antenna gain (dBi)		2.22								
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	19.98	22.20	30	-7.8
				1	5	0	19.90	22.12	30	-7.88
				3	0	0	19.90	22.12	30	-7.88
				6	0	0	18.95	21.17	30	-8.83
	132322	1745	QPSK	1	0	0	19.87	22.09	30	-7.91
				1	5	0	19.78	22.00	30	-8
				3	0	0	19.85	22.07	30	-7.93
				6	0	0	18.86	21.08	30	-8.92
	132647	1777.5	QPSK	1	0	0	20.16	22.38	30	-7.62
				1	5	0	20.12	22.34	30	-7.66
				3	0	0	20.11	22.33	30	-7.67
				6	0	0	19.10	21.32	30	-8.68
	131997	1712.5	16QAM	1	0	0	19.91	22.13	30	-7.87
				1	5	0	19.95	22.17	30	-7.83
				3	0	0	19.89	22.11	30	-7.89
				5	0	0	18.94	21.16	30	-8.84
	132322	1745	16QAM	1	0	0	19.80	22.02	30	-7.98
				1	5	0	19.83	22.05	30	-7.95
				3	0	0	19.82	22.04	30	-7.96
				5	0	0	18.82	21.04	30	-8.96
	132647	1777.5	16QAM	1	0	0	20.07	22.29	30	-7.71
				1	5	0	20.13	22.35	30	-7.65
				3	0	0	20.13	22.35	30	-7.65
				5	0	0	19.15	21.37	30	-8.63

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Antenna gain (dBi) 1.29

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)	ERP Limit (dBm)	Margin (dB)
5	134027	700.5	QPSK	1	0	0	20.13	19.27	21.42	34.77	-15.50
				1	5	0	20.11	19.25	21.40	34.77	-15.52
				3	0	0	20.05	19.19	21.34	34.77	-15.58
				6	0	0	19.10	18.24	20.39	34.77	-16.53
	134092	707	QPSK	1	0	0	20.15	19.29	21.44	34.77	-15.48
				1	5	0	20.12	19.26	21.41	34.77	-15.51
				3	0	0	20.09	19.23	21.38	34.77	-15.54
				6	0	0	19.08	18.22	20.37	34.77	-16.55
	134157	713.5	QPSK	1	0	0	19.83	18.97	21.12	34.77	-15.80
				1	5	0	19.76	18.90	21.05	34.77	-15.87
				3	0	0	19.75	18.89	21.04	34.77	-15.88
				6	0	0	18.73	17.87	20.02	34.77	-16.90
	134027	700.5	16QAM	1	0	0	20.12	19.26	21.41	34.77	-15.51
				1	5	0	20.03	19.17	21.32	34.77	-15.60
				3	0	0	20.09	19.23	21.38	34.77	-15.54
				5	0	0	19.09	18.23	20.38	34.77	-16.54
	134092	707	16QAM	1	0	0	20.12	19.26	21.41	34.77	-15.51
				1	5	0	20.05	19.19	21.34	34.77	-15.58
				3	0	0	20.11	19.25	21.40	34.77	-15.52
				5	0	0	19.06	18.20	20.35	34.77	-16.57
	134157	713.5	16QAM	1	0	0	19.79	18.93	21.08	34.77	-15.84
				1	5	0	19.77	18.91	21.06	34.77	-15.86
				3	0	0	19.73	18.87	21.02	34.77	-15.90
				5	0	0	18.80	17.94	20.09	34.77	-16.83

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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.

§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:

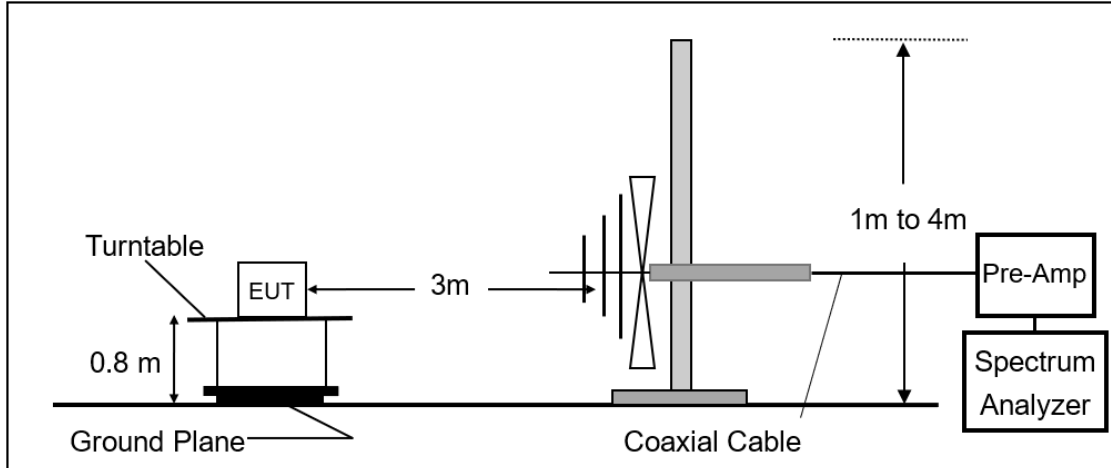
- (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the 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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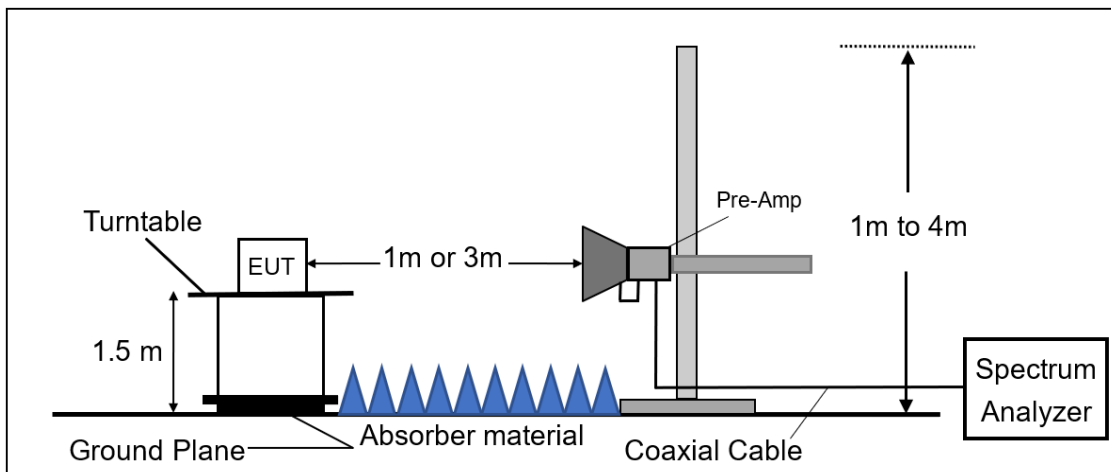
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8.2 EUT Setup

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



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



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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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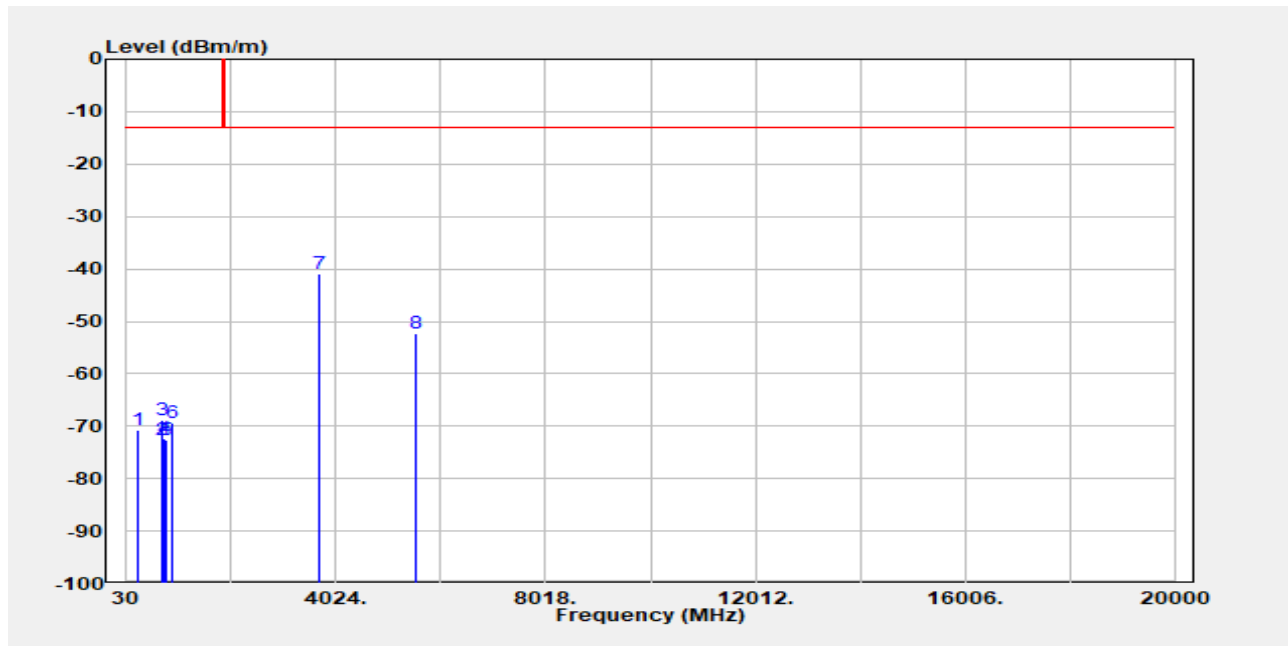
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8.4 Measurement Result:

8.4.1 Radiated Spurious Emission

Report Number	:TERF2212002666ER	Test Site	:SAC 1
Operation Mode	:CAT-M1 B2	Test Date	:2023-01-10
Test Mode	:Tx	Temp./Humi.	:22.1/63
EUT Pol	:NB Plane	Antenna Pol.	:Vertical
Test Frequency	:1852.5 MHz	Engineer	:GN Lin



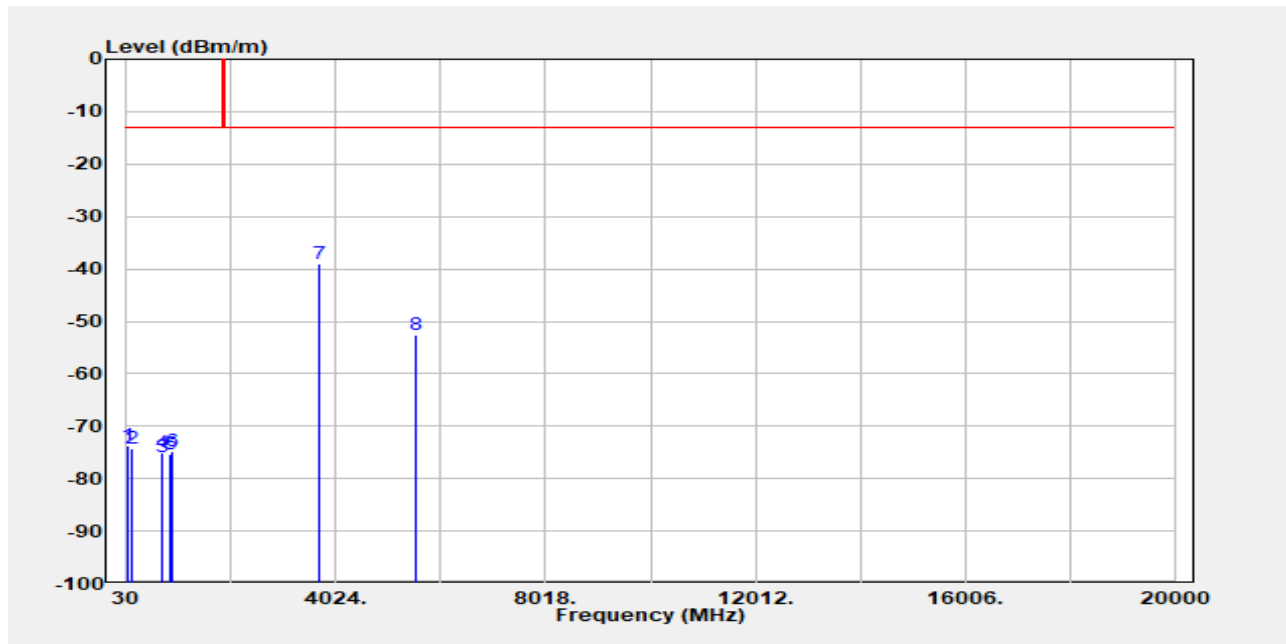
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
263.77	-70.74	-75.44	6.36	-1.65	-13.00	-57.74
696.39	-72.56	-75.91	6.14	-2.78	-13.00	-59.56
715.79	-68.81	-72.12	6.11	-2.80	-13.00	-55.81
754.59	-72.30	-75.59	5.77	-2.48	-13.00	-59.30
796.30	-72.59	-75.79	6.11	-2.91	-13.00	-59.59
903.97	-69.27	-72.56	6.13	-2.85	-13.00	-56.27
3705.00	-40.84	-47.01	12.59	-6.41	-13.00	-27.84
5557.50	-52.30	-57.07	13.00	-8.23	-13.00	-39.30

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B2
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :1852.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



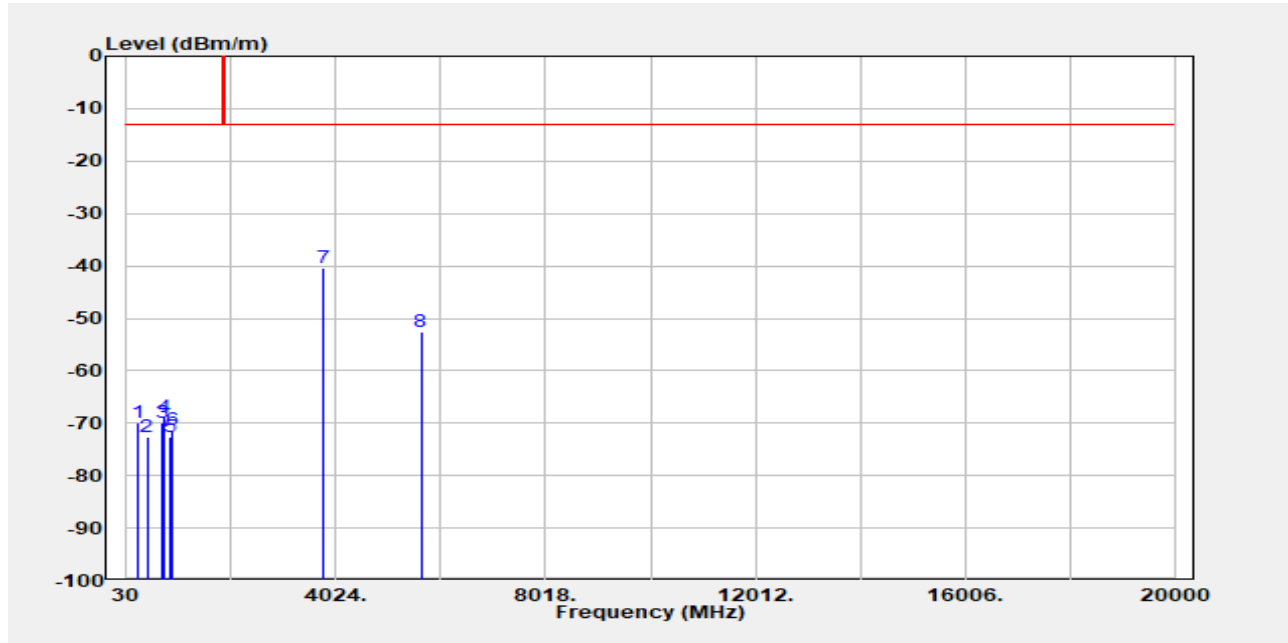
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-73.78	-64.34	-8.67	-0.78	-13.00	-60.78
124.09	-74.14	-74.03	0.97	-1.08	-13.00	-61.14
692.51	-75.80	-79.07	6.17	-2.90	-13.00	-62.80
719.67	-74.99	-78.48	6.16	-2.66	-13.00	-61.99
876.81	-75.40	-78.99	6.47	-2.88	-13.00	-62.40
914.64	-74.68	-77.83	6.13	-2.98	-13.00	-61.68
3705.00	-39.15	-45.33	12.59	-6.41	-13.00	-26.15
5557.50	-52.51	-57.27	13.00	-8.23	-13.00	-39.51

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B2
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1880 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
263.77	-69.99	-74.69	6.36	-1.65	-13.00	-56.99
418.97	-72.63	-76.83	6.29	-2.09	-13.00	-59.63
715.79	-69.84	-73.15	6.11	-2.80	-13.00	-56.84
740.04	-68.95	-72.21	5.89	-2.63	-13.00	-55.95
845.77	-72.70	-75.21	5.93	-3.41	-13.00	-59.70
896.21	-71.20	-74.59	6.21	-2.82	-13.00	-58.20
3760.00	-40.39	-46.12	12.50	-6.77	-13.00	-27.39
5640.00	-52.49	-57.08	13.08	-8.48	-13.00	-39.49

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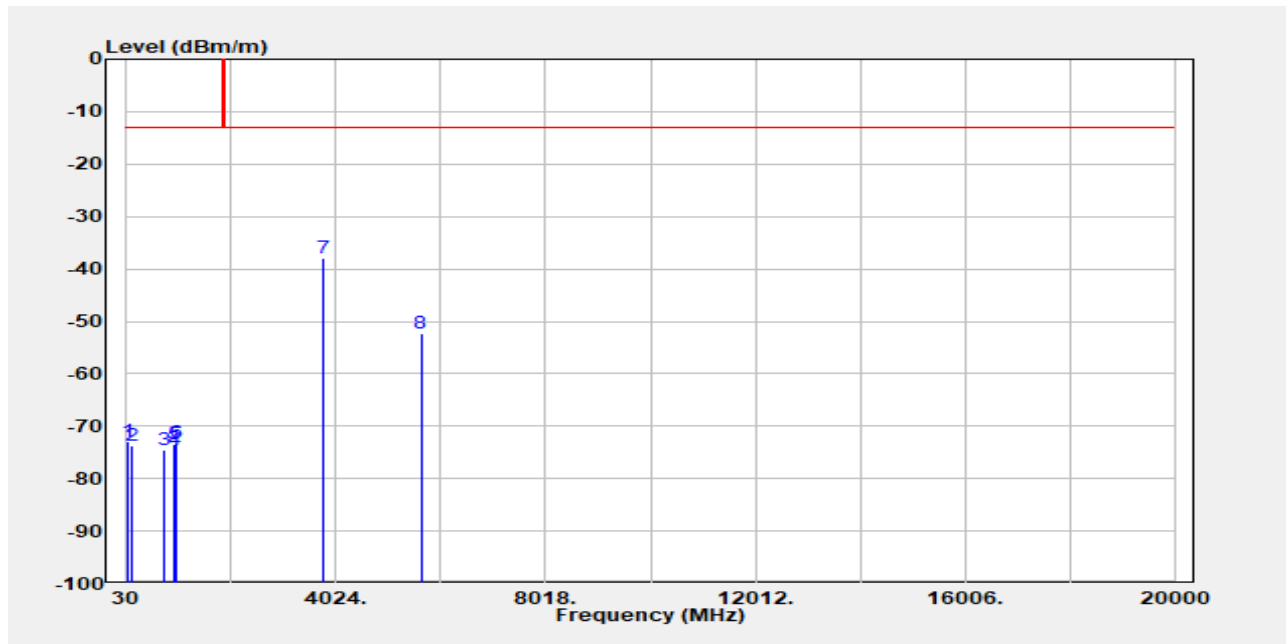
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B2
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :1880 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



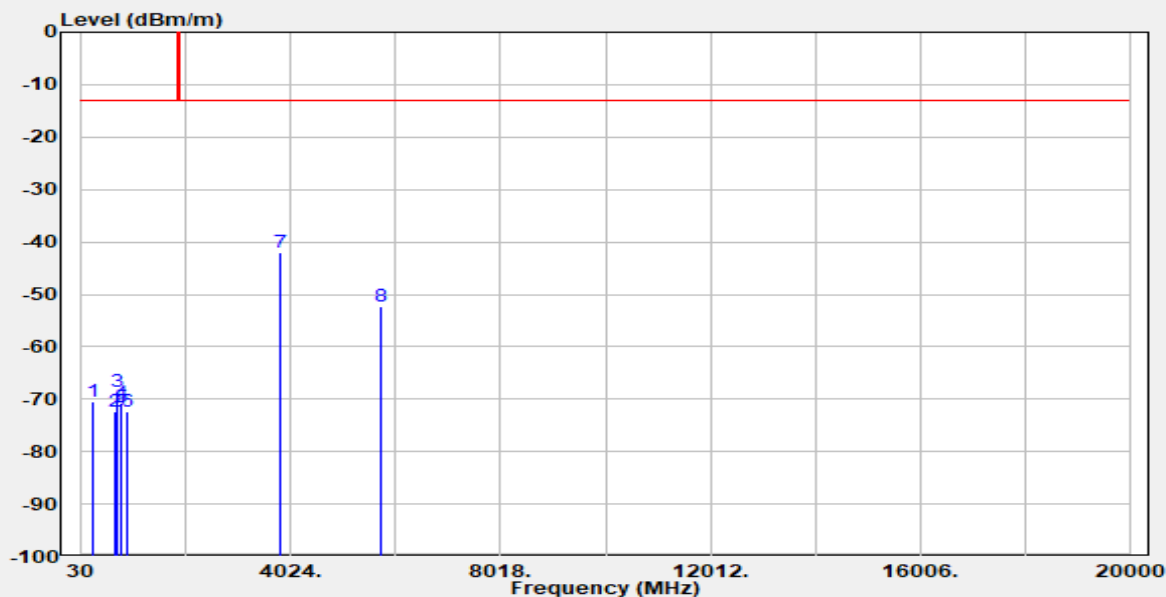
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-72.95	-63.50	-8.67	-0.78	-13.00	-59.95
121.18	-73.81	-73.70	0.95	-1.05	-13.00	-60.81
734.22	-74.58	-77.95	6.10	-2.72	-13.00	-61.58
928.22	-74.64	-77.65	5.93	-2.92	-13.00	-61.64
950.53	-73.34	-76.47	5.95	-2.82	-13.00	-60.34
967.99	-73.06	-76.20	6.23	-3.10	-13.00	-60.06
3760.00	-38.01	-43.74	12.50	-6.77	-13.00	-25.01
5640.00	-52.44	-57.03	13.08	-8.48	-13.00	-39.44

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B2
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :1907.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-70.59	-75.30	6.36	-1.65	-13.00	-57.59
684.75	-72.45	-75.75	6.22	-2.92	-13.00	-59.45
716.76	-68.63	-71.98	6.12	-2.77	-13.00	-55.63
784.66	-70.63	-73.83	5.91	-2.70	-13.00	-57.63
797.27	-71.53	-74.68	6.10	-2.95	-13.00	-58.53
895.24	-72.47	-75.87	6.24	-2.84	-13.00	-59.47
3815.00	-42.02	-47.91	12.44	-6.55	-13.00	-29.02
5722.50	-52.23	-56.64	13.01	-8.61	-13.00	-39.23

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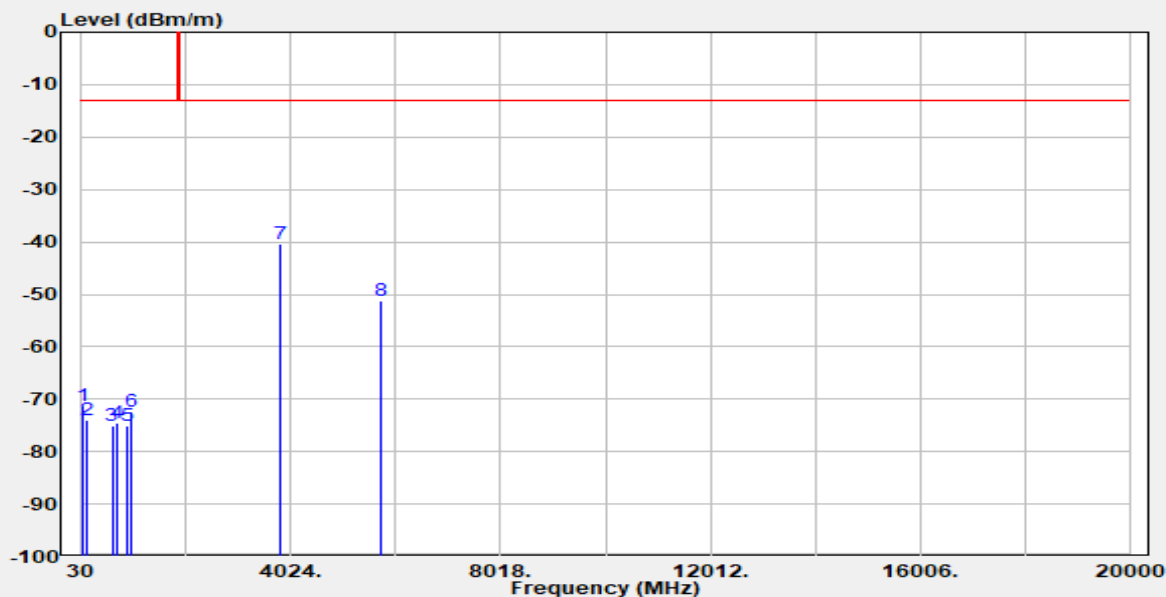
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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B2
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1907.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



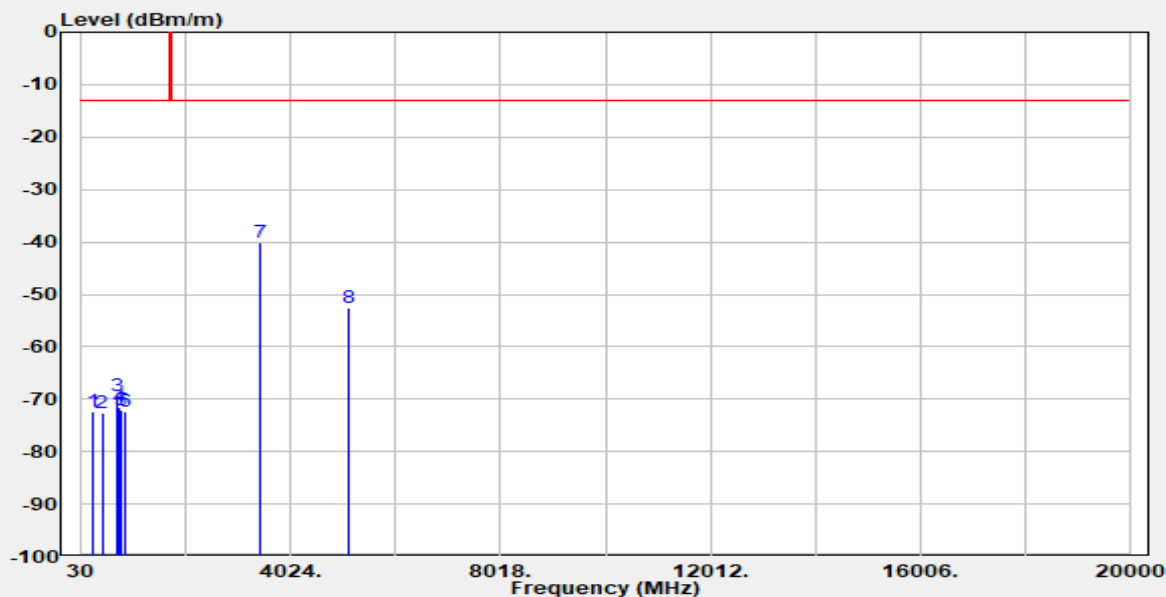
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
55.22	-71.22	-61.77	-8.67	-0.78	-13.00	-58.22
120.21	-74.07	-73.85	0.83	-1.04	-13.00	-61.07
610.06	-75.06	-78.92	6.02	-2.16	-13.00	-62.06
717.73	-74.59	-77.99	6.13	-2.73	-13.00	-61.59
886.51	-75.09	-78.62	6.43	-2.90	-13.00	-62.09
958.29	-72.43	-75.47	6.07	-3.04	-13.00	-59.43
3815.00	-40.34	-46.23	12.44	-6.55	-13.00	-27.34
5722.50	-51.13	-55.53	13.01	-8.61	-13.00	-38.13

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B4
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1712.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
263.77	-72.45	-77.15	6.36	-1.65	-13.00	-59.45
418.97	-72.69	-76.89	6.29	-2.09	-13.00	-59.69
715.79	-69.37	-72.68	6.11	-2.80	-13.00	-56.37
746.83	-71.67	-75.02	5.84	-2.49	-13.00	-58.67
797.27	-72.03	-75.18	6.10	-2.95	-13.00	-59.03
872.93	-72.36	-75.71	6.39	-3.04	-13.00	-59.36
3425.00	-40.00	-46.12	12.50	-6.38	-13.00	-27.00
5137.50	-52.47	-56.62	12.18	-8.02	-13.00	-39.47

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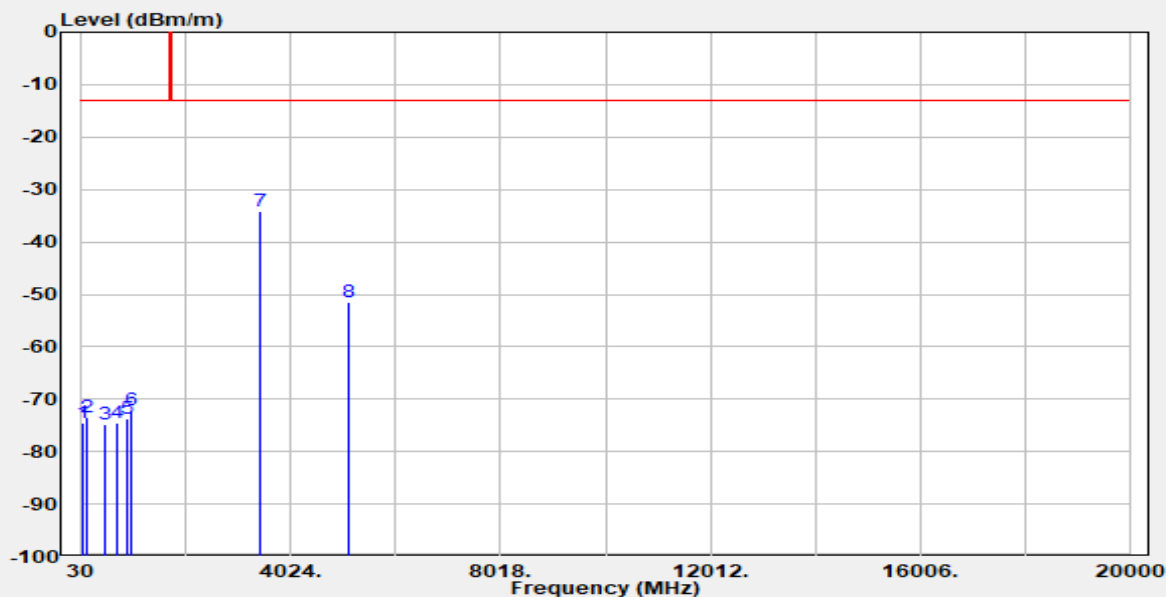
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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B4
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1712.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
55.22	-74.65	-65.20	-8.67	-0.78	-13.00	-61.65
124.09	-73.50	-73.38	0.97	-1.08	-13.00	-60.50
474.26	-74.75	-78.92	6.34	-2.17	-13.00	-61.75
714.82	-74.60	-77.86	6.10	-2.84	-13.00	-61.60
914.64	-73.65	-76.80	6.13	-2.98	-13.00	-60.65
964.11	-72.22	-75.32	6.19	-3.09	-13.00	-59.22
3425.00	-34.22	-40.34	12.50	-6.38	-13.00	-21.22
5137.50	-51.57	-55.72	12.18	-8.02	-13.00	-38.57

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t (886-2) 2299-3279

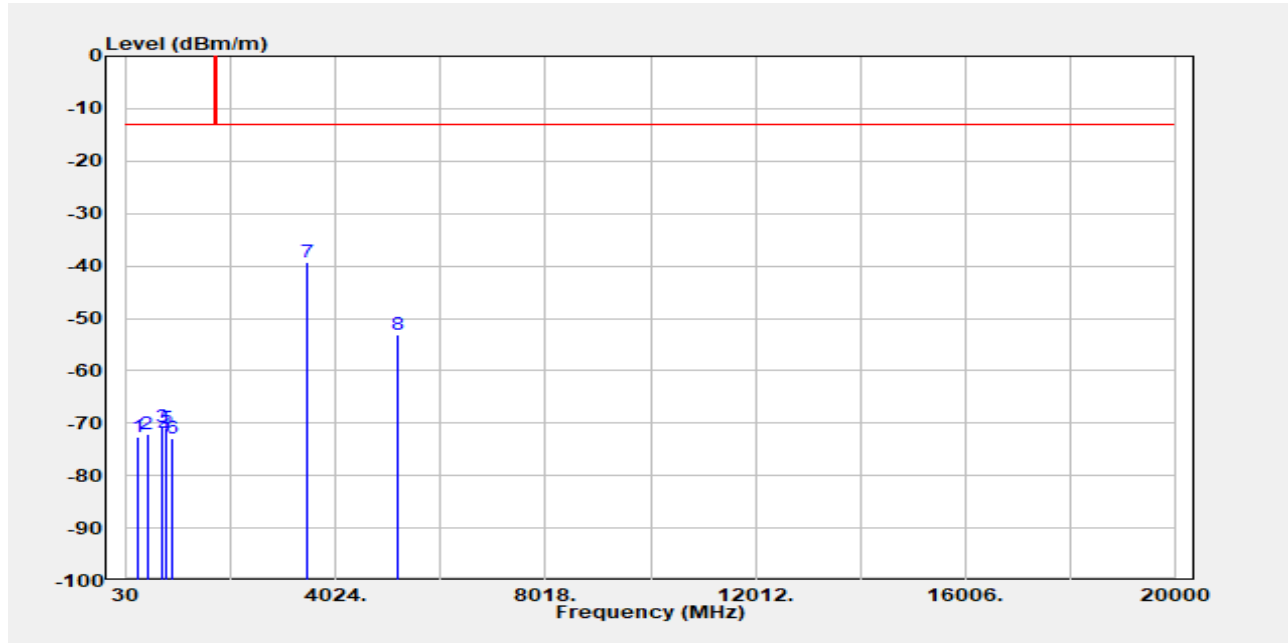
f (886-2) 2298-0488

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B4
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1732.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



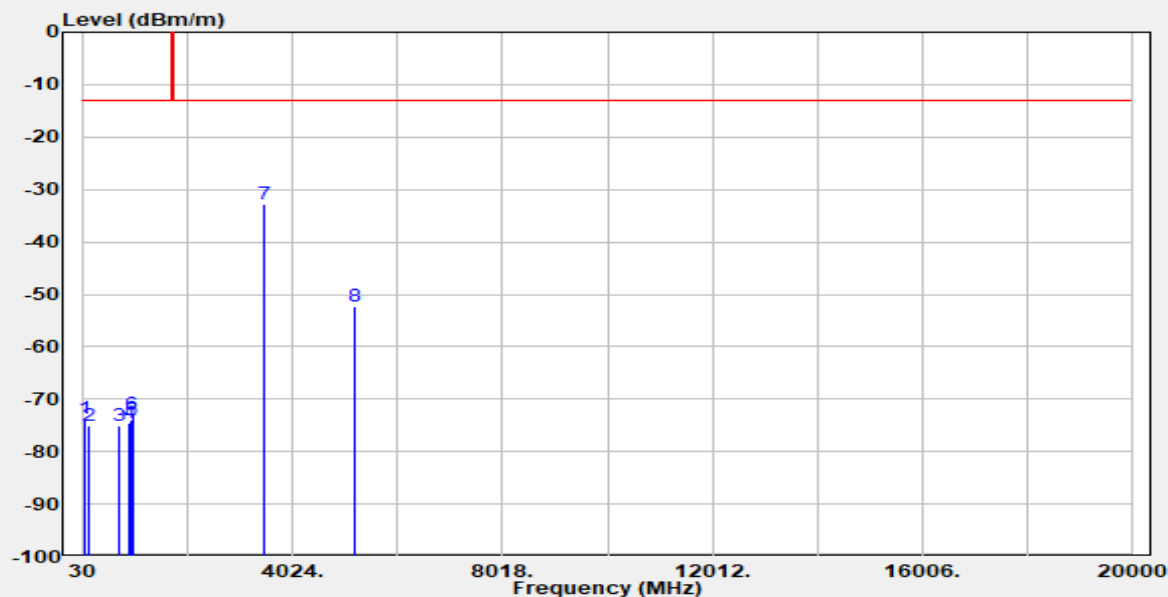
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
263.77	-72.54	-77.24	6.36	-1.65	-13.00	-59.54
418.97	-72.20	-76.41	6.29	-2.09	-13.00	-59.20
720.64	-70.79	-74.26	6.13	-2.66	-13.00	-57.79
764.29	-72.25	-75.49	5.69	-2.45	-13.00	-59.25
786.60	-70.98	-74.18	5.89	-2.69	-13.00	-57.98
893.30	-72.77	-76.17	6.30	-2.90	-13.00	-59.77
3465.00	-39.28	-45.23	12.47	-6.52	-13.00	-26.28
5197.50	-53.14	-57.71	12.58	-8.01	-13.00	-40.14

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B4
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1732.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
55.22	-73.61	-64.16	-8.67	-0.78	-13.00	-60.61
124.09	-75.01	-74.89	0.97	-1.08	-13.00	-62.01
701.24	-75.08	-78.46	6.10	-2.72	-13.00	-62.08
886.51	-74.50	-78.04	6.43	-2.90	-13.00	-61.50
925.31	-74.11	-77.21	6.02	-2.92	-13.00	-61.11
956.35	-72.86	-75.85	5.98	-2.99	-13.00	-59.86
3465.00	-32.78	-38.73	12.47	-6.52	-13.00	-19.78
5197.50	-52.33	-56.90	12.58	-8.01	-13.00	-39.33

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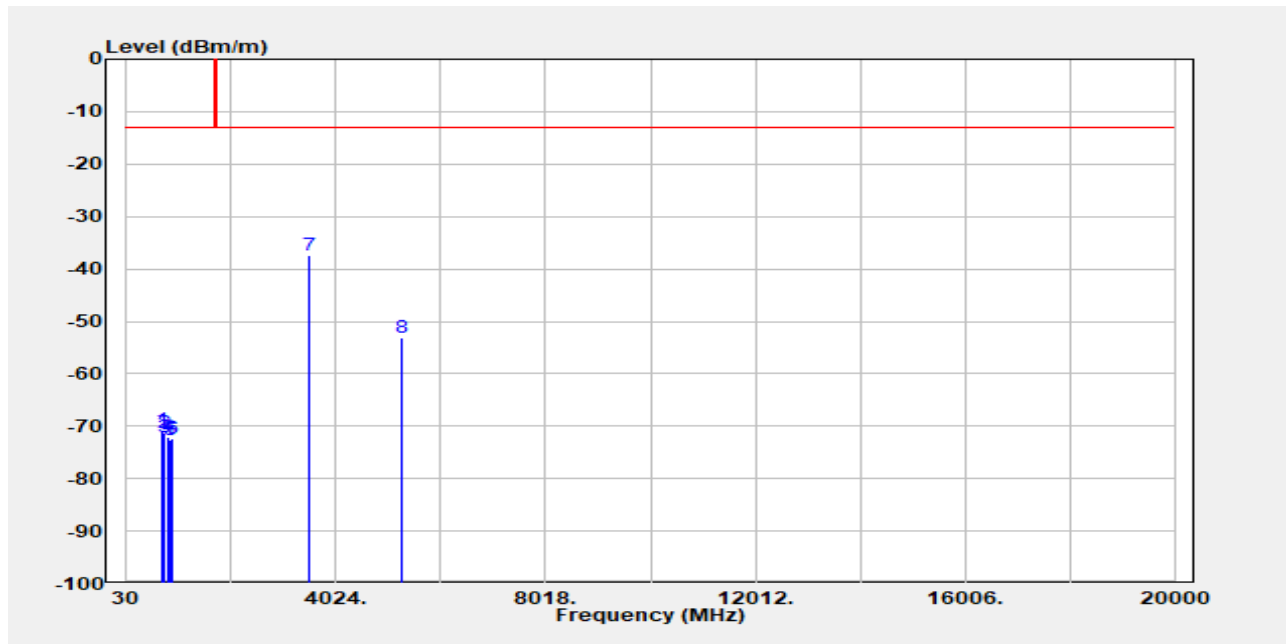
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B4
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1752.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
719.67	-70.74	-74.23	6.16	-2.66	-13.00	-57.74
738.10	-71.15	-74.48	5.98	-2.66	-13.00	-58.15
757.50	-72.08	-75.31	5.75	-2.52	-13.00	-59.08
807.94	-71.96	-75.11	6.10	-2.95	-13.00	-58.96
842.86	-72.64	-75.28	5.97	-3.33	-13.00	-59.64
914.64	-72.42	-75.57	6.13	-2.98	-13.00	-59.42
3505.00	-37.44	-43.41	12.38	-6.41	-13.00	-24.44
5257.50	-53.03	-57.85	12.93	-8.11	-13.00	-40.03

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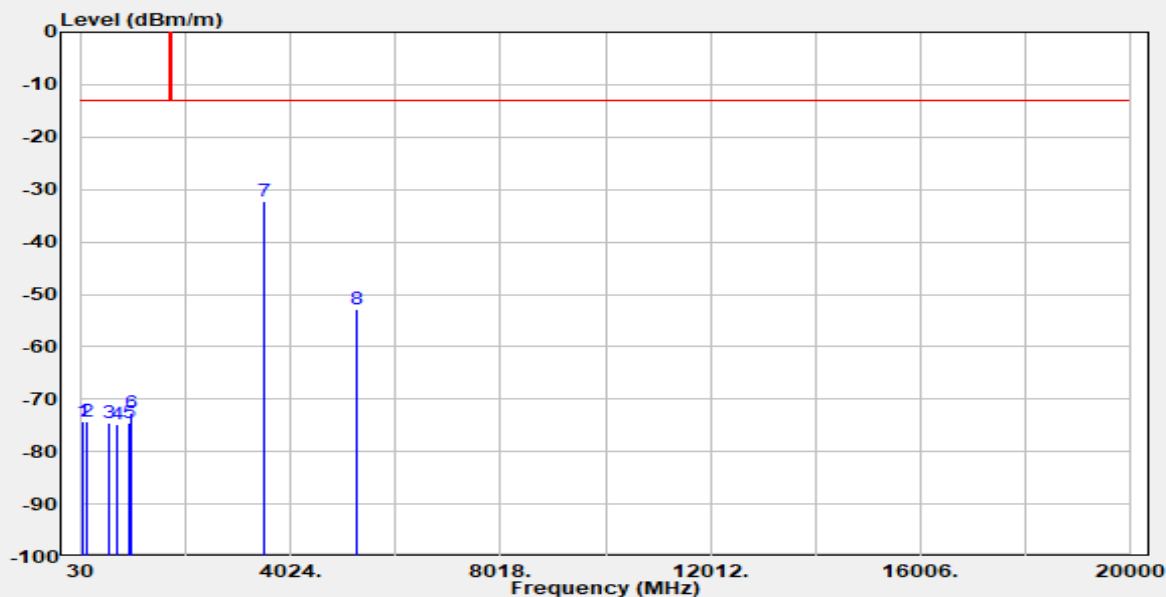
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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B4
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1752.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-74.33	-64.61	-8.95	-0.77	-13.00	-61.33
126.03	-74.21	-73.92	0.82	-1.10	-13.00	-61.21
558.65	-74.60	-78.70	6.58	-2.48	-13.00	-61.60
700.27	-74.82	-78.24	6.11	-2.69	-13.00	-61.82
927.25	-74.56	-77.60	5.96	-2.92	-13.00	-61.56
968.96	-72.74	-75.88	6.24	-3.10	-13.00	-59.74
3505.00	-32.34	-38.32	12.38	-6.41	-13.00	-19.34
5257.50	-52.73	-57.56	12.93	-8.11	-13.00	-39.73

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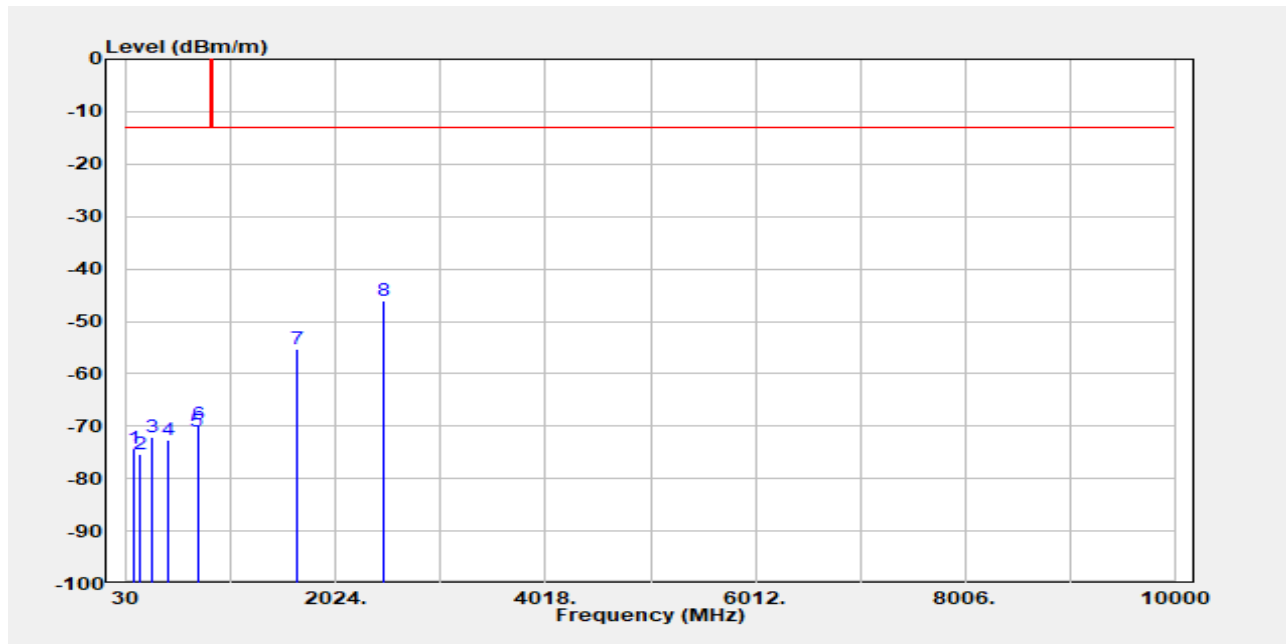
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Member of SGS Group

Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B5
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :826.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



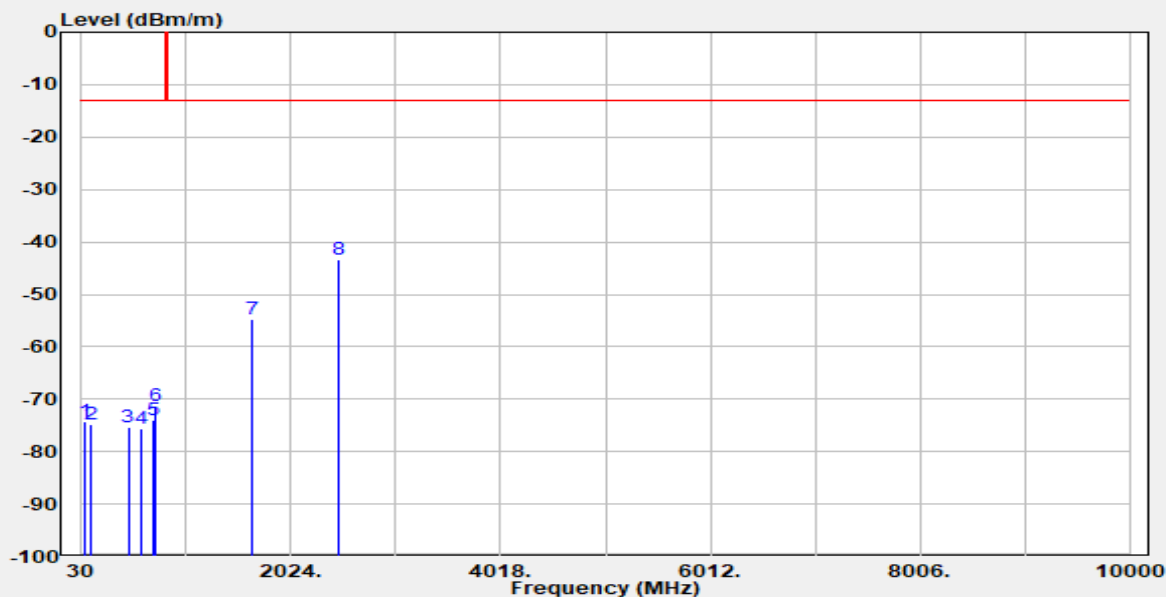
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
102.75	-74.27	-74.58	1.35	-1.03	-13.00	-61.27
148.34	-75.39	-74.39	0.34	-1.34	-13.00	-62.39
263.77	-72.12	-76.82	6.36	-1.65	-13.00	-59.12
418.00	-72.70	-76.94	6.31	-2.08	-13.00	-59.70
703.18	-70.95	-74.25	6.08	-2.79	-13.00	-57.95
718.70	-69.73	-73.18	6.14	-2.70	-13.00	-56.73
1653.00	-55.16	-58.07	7.17	-4.26	-13.00	-42.16
2479.50	-46.11	-49.27	8.37	-5.21	-13.00	-33.11

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B5
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :826.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



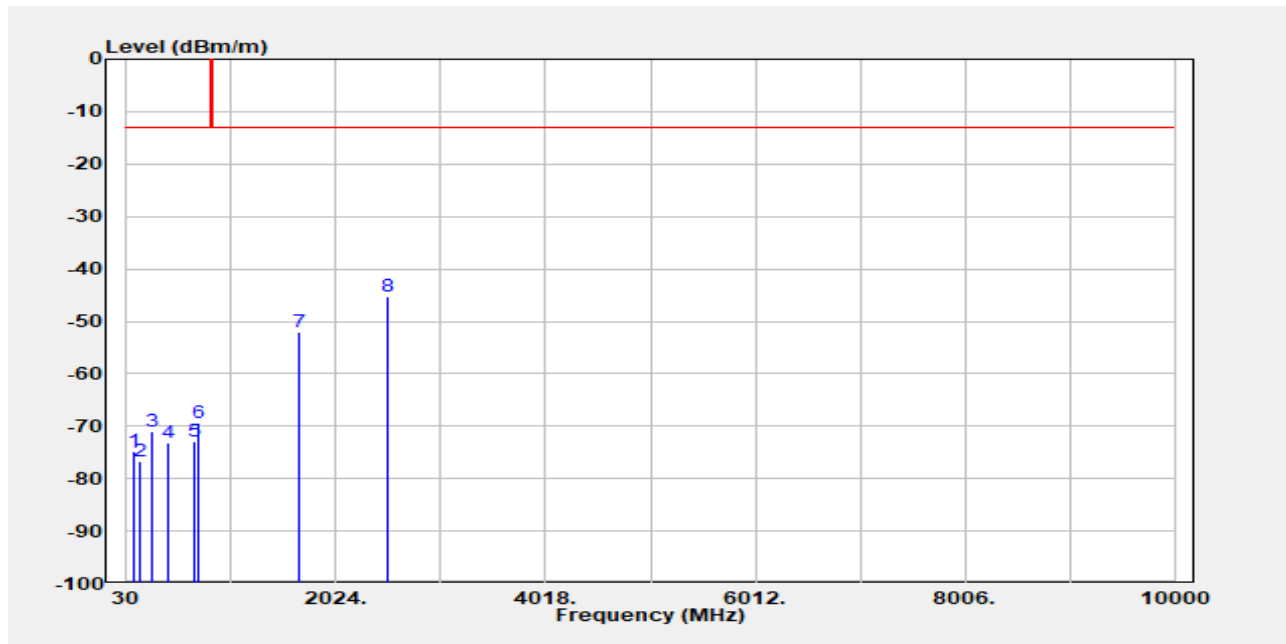
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-74.33	-64.88	-8.67	-0.78	-13.00	-61.33
126.03	-74.86	-74.58	0.82	-1.10	-13.00	-61.86
473.29	-75.43	-79.59	6.34	-2.18	-13.00	-62.43
590.66	-75.48	-79.62	6.21	-2.07	-13.00	-62.48
720.64	-73.96	-77.43	6.13	-2.66	-13.00	-60.96
739.07	-71.27	-74.56	5.94	-2.64	-13.00	-58.27
1653.00	-54.68	-57.60	7.17	-4.26	-13.00	-41.68
2479.50	-43.37	-46.53	8.37	-5.21	-13.00	-30.37

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B5
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :836.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



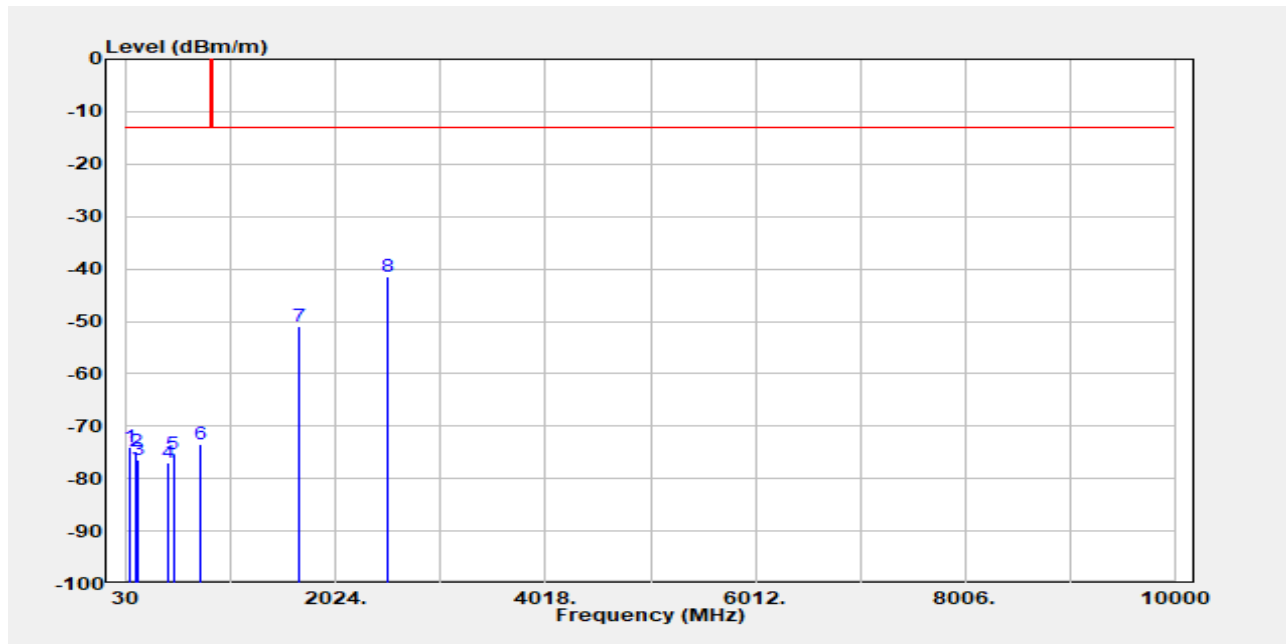
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
102.75	-74.66	-74.98	1.35	-1.03	-13.00	-61.66
163.86	-76.79	-76.60	1.19	-1.37	-13.00	-63.79
263.77	-71.07	-75.77	6.36	-1.65	-13.00	-58.07
418.97	-73.20	-77.40	6.29	-2.09	-13.00	-60.20
677.96	-73.03	-76.29	6.19	-2.93	-13.00	-60.03
715.79	-69.30	-72.60	6.11	-2.80	-13.00	-56.30
1673.00	-52.12	-55.19	7.34	-4.27	-13.00	-39.12
2509.50	-45.32	-48.53	8.45	-5.24	-13.00	-32.32

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B5
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :836.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



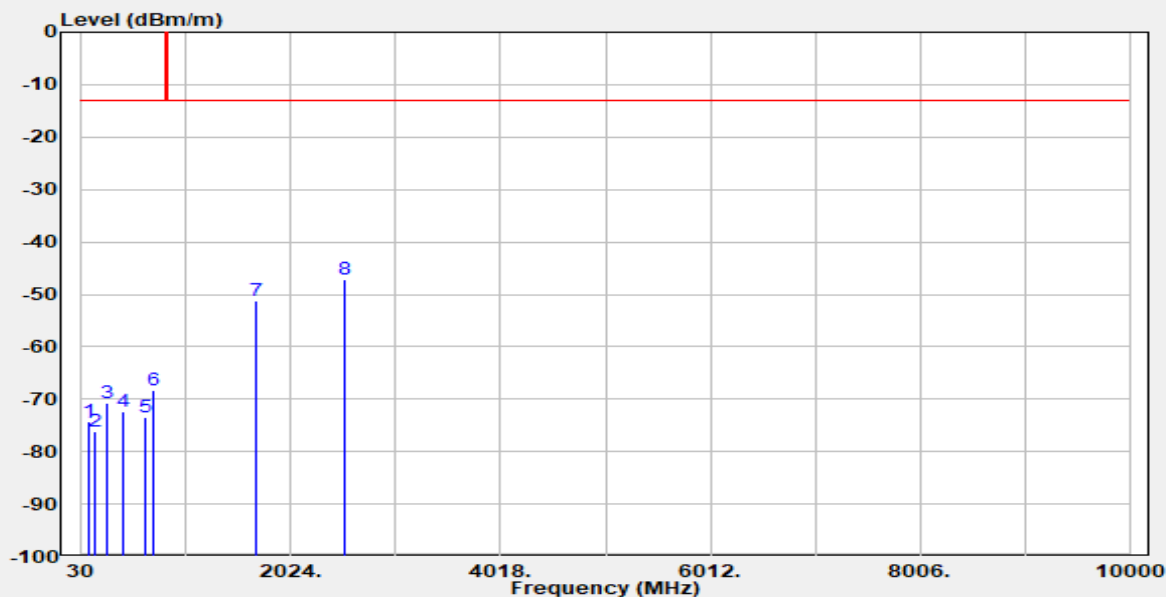
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
54.25	-73.88	-64.16	-8.95	-0.77	-13.00	-60.88
126.03	-74.89	-74.61	0.82	-1.10	-13.00	-61.89
146.40	-76.49	-75.56	0.36	-1.30	-13.00	-63.49
418.97	-76.95	-81.15	6.29	-2.09	-13.00	-63.95
473.29	-75.23	-79.39	6.34	-2.18	-13.00	-62.23
730.34	-73.44	-76.55	5.90	-2.78	-13.00	-60.44
1673.00	-50.98	-54.05	7.34	-4.27	-13.00	-37.98
2509.50	-41.37	-44.59	8.45	-5.24	-13.00	-28.37

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B5
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :846.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
103.72	-74.14	-74.31	1.21	-1.04	-13.00	-61.14
148.34	-76.04	-75.03	0.34	-1.34	-13.00	-63.04
263.77	-70.85	-75.56	6.36	-1.65	-13.00	-57.85
418.97	-72.26	-76.46	6.29	-2.09	-13.00	-59.26
640.13	-73.41	-76.80	6.03	-2.63	-13.00	-60.41
715.79	-68.29	-71.60	6.11	-2.80	-13.00	-55.29
1693.00	-51.16	-54.38	7.49	-4.28	-13.00	-38.16
2539.50	-47.21	-50.44	8.45	-5.22	-13.00	-34.21

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t (886-2) 2299-3279

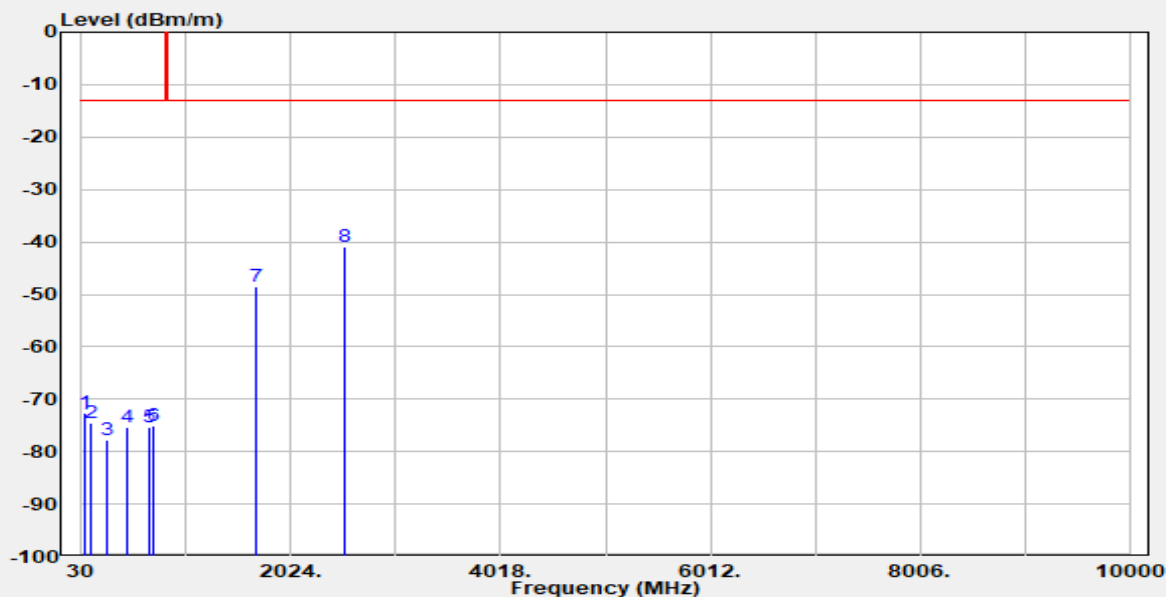
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B5
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :846.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



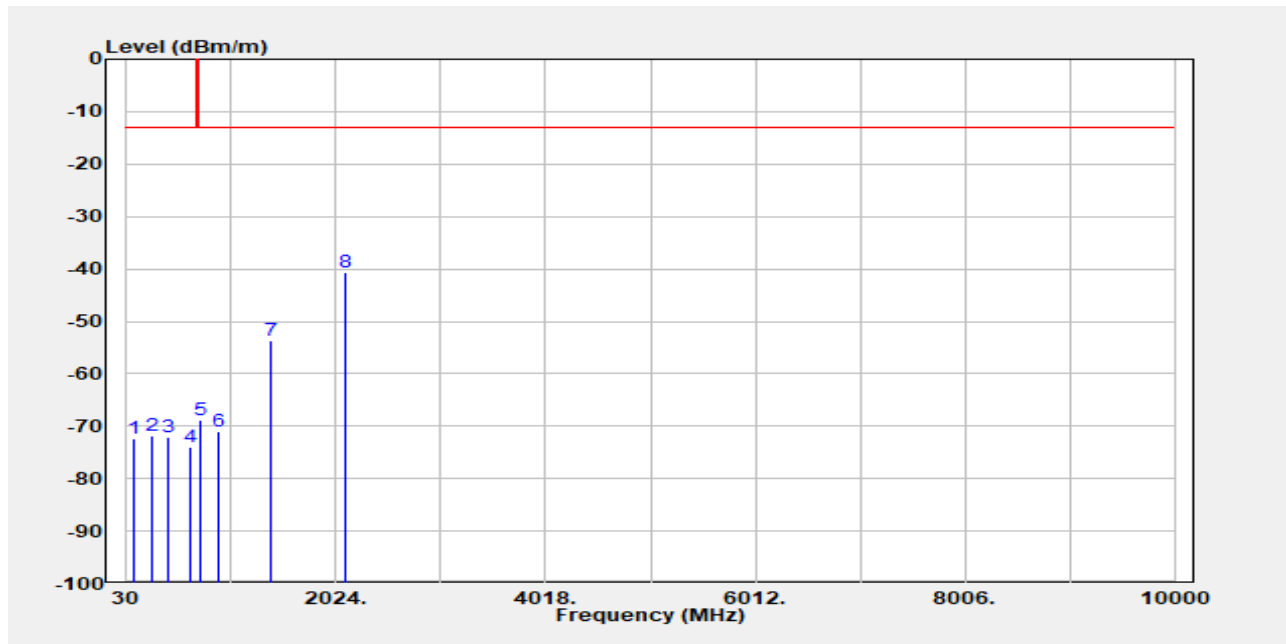
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
54.25	-72.60	-62.89	-8.95	-0.77	-13.00	-59.60
123.12	-74.50	-74.25	0.83	-1.07	-13.00	-61.50
263.77	-77.88	-82.58	6.36	-1.65	-13.00	-64.88
470.38	-75.41	-79.56	6.35	-2.20	-13.00	-62.41
677.96	-75.28	-78.54	6.19	-2.93	-13.00	-62.28
720.64	-74.98	-78.45	6.13	-2.66	-13.00	-61.98
1693.00	-48.56	-51.78	7.49	-4.28	-13.00	-35.56
2539.50	-41.06	-44.28	8.45	-5.22	-13.00	-28.06

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B12
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :701.5 MHz

Test Site :SAC 1
Test Date :2023-01-09
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
104.69	-72.38	-3.28	1.00	-1.04	-13.00	-59.38
263.77	-71.80	-1.93	6.36	-1.65	-13.00	-58.80
418.97	-72.20	-3.31	6.29	-2.09	-13.00	-59.20
630.43	-74.04	-0.75	5.91	-2.39	-13.00	-61.04
729.37	-68.93	5.23	5.89	-2.78	-13.00	-55.93
896.21	-71.06	-74.46	6.21	-2.82	-13.00	-58.06
1403.00	-53.53	-55.15	5.46	-3.84	-13.00	-40.53
2104.50	-40.63	-43.59	7.70	-4.75	-13.00	-27.63

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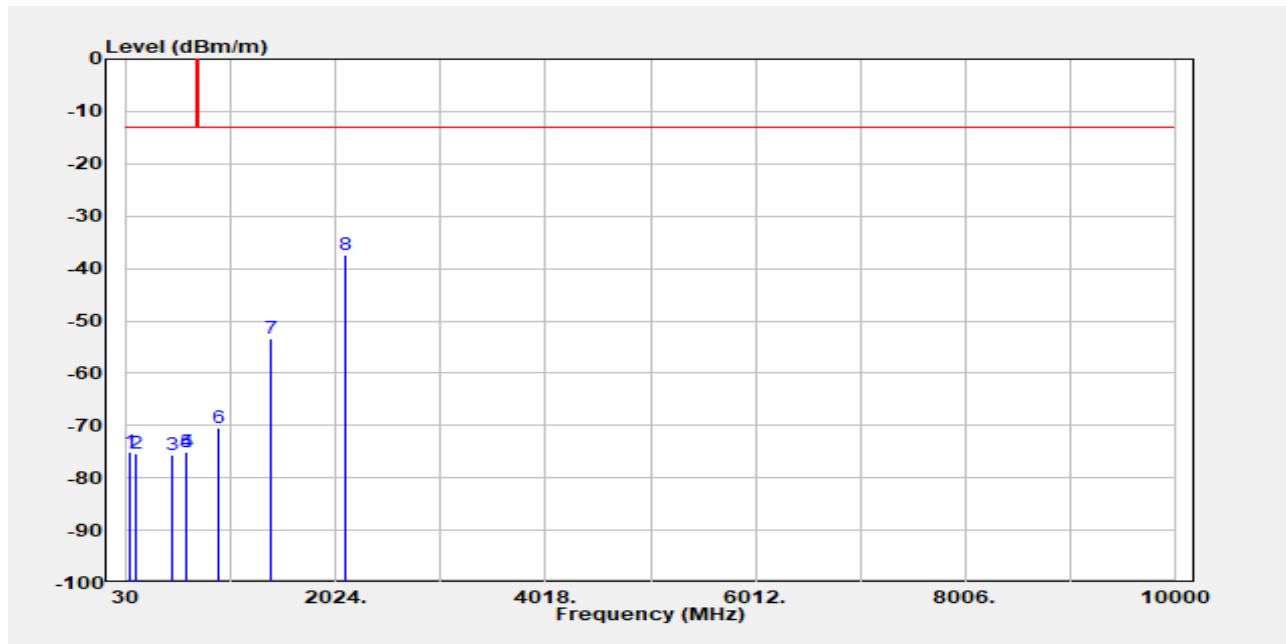
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B12
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :701.5 MHz

Test Site :SAC 1
Test Date :2023-01-09
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



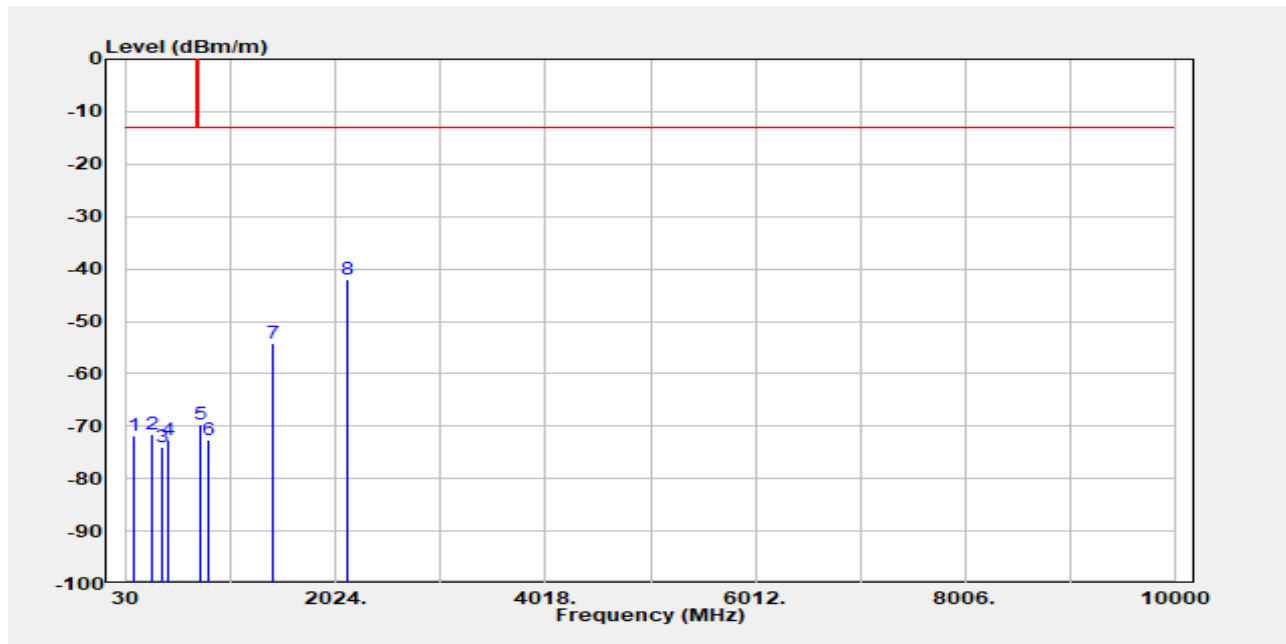
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-75.09	5.62	-8.95	-0.77	-13.00	-62.09
122.15	-75.23	-1.86	0.84	-1.06	-13.00	-62.23
470.38	-75.49	-2.61	6.35	-2.20	-13.00	-62.49
594.54	-75.00	-2.94	6.11	-2.16	-13.00	-62.00
594.54	-75.00	-2.94	6.11	-2.16	-13.00	-62.00
896.21	-70.58	-73.98	6.21	-2.82	-13.00	-57.58
1403.00	-53.42	-55.04	5.46	-3.84	-13.00	-40.42
2104.50	-37.33	-40.29	7.70	-4.75	-13.00	-24.33

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B12
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :707.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



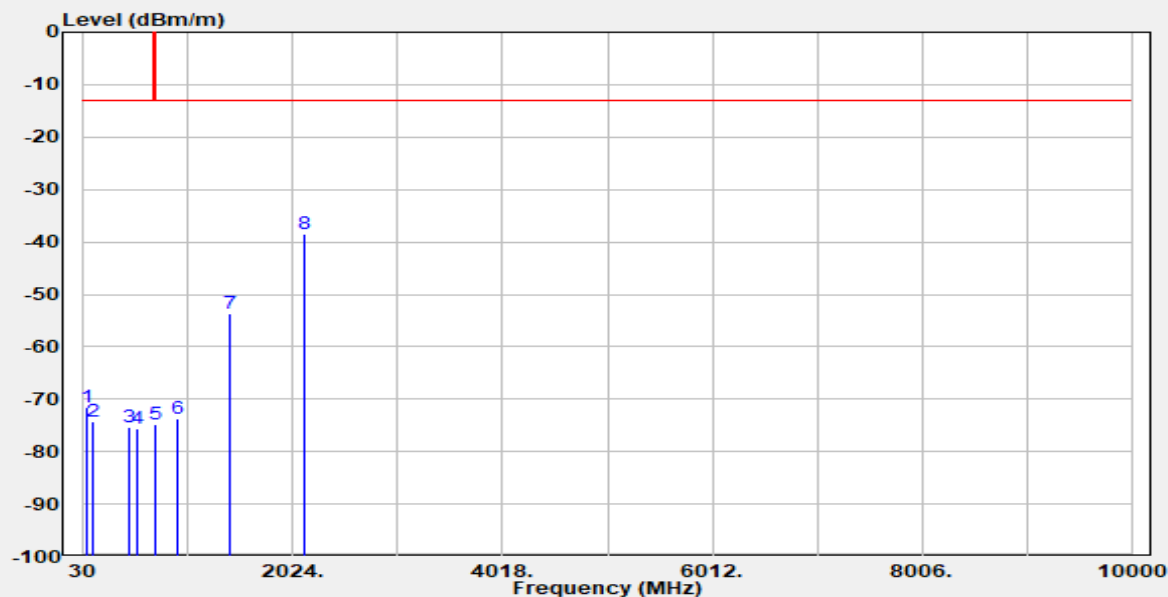
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
104.69	-71.73	-71.69	1.00	-1.04	-13.00	-58.73
263.77	-71.58	-76.28	6.36	-1.65	-13.00	-58.58
359.80	-74.00	-78.78	6.74	-1.96	-13.00	-61.00
418.97	-72.50	-76.71	6.29	-2.09	-13.00	-59.50
732.28	-69.73	-72.98	6.00	-2.75	-13.00	-56.73
807.94	-72.66	-75.81	6.10	-2.95	-13.00	-59.66
1415.00	-54.10	-55.75	5.51	-3.86	-13.00	-41.10
2122.50	-42.08	-44.84	7.52	-4.77	-13.00	-29.08

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B12
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :707.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
52.31	-71.43	-61.40	-9.28	-0.75	-13.00	-58.43
125.06	-74.12	-73.88	0.85	-1.09	-13.00	-61.12
463.59	-75.30	-79.28	6.16	-2.19	-13.00	-62.30
547.01	-75.57	-79.70	6.67	-2.54	-13.00	-62.57
716.76	-74.88	-78.23	6.12	-2.77	-13.00	-61.88
918.52	-73.82	-77.01	6.10	-2.92	-13.00	-60.82
1415.00	-53.61	-55.25	5.51	-3.86	-13.00	-40.61
2122.50	-38.52	-41.27	7.52	-4.77	-13.00	-25.52

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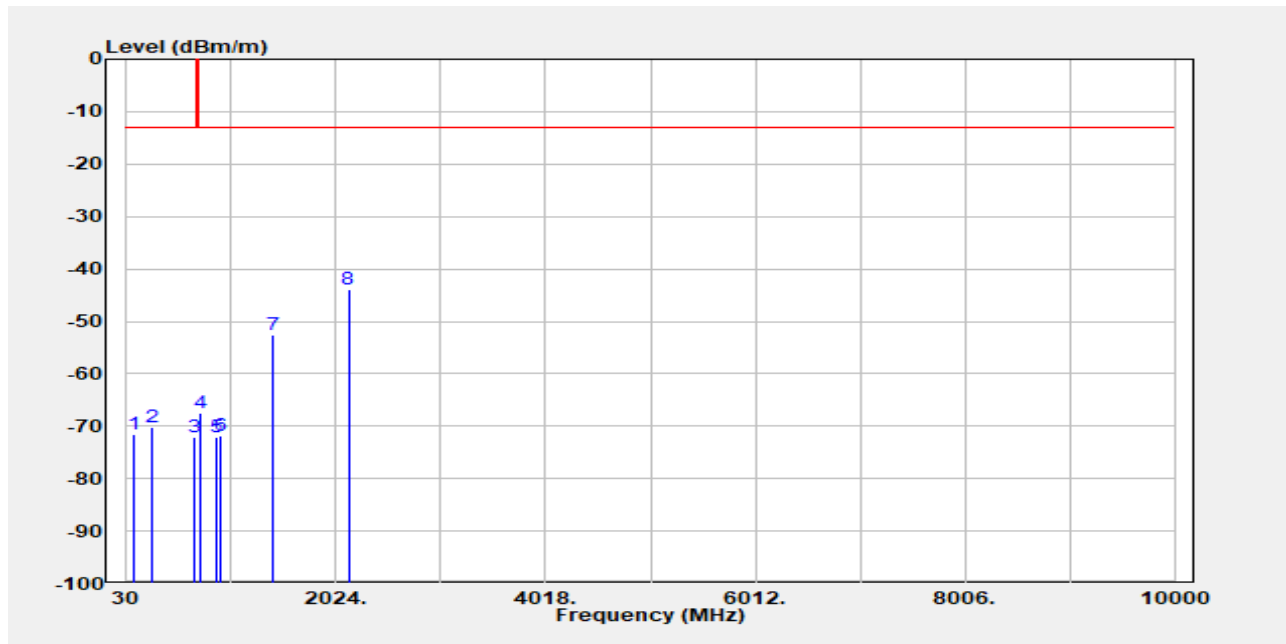
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B12
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :713.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



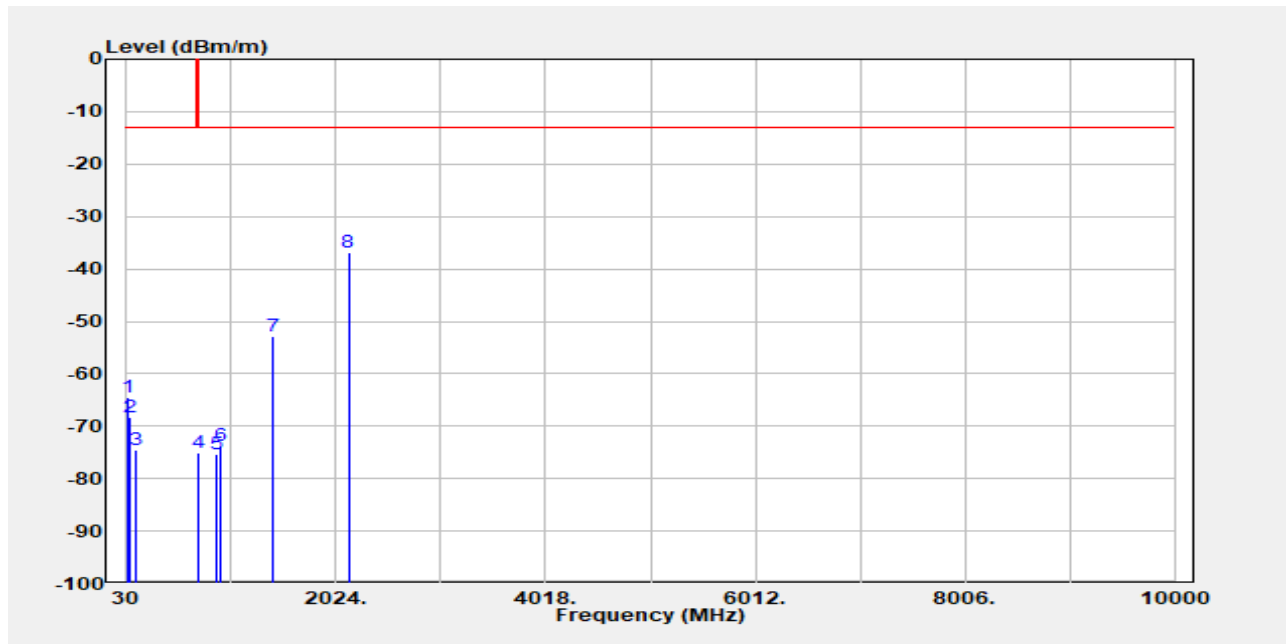
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
103.72	-71.59	-71.76	1.21	-1.04	-13.00	-58.59
263.77	-70.19	-74.89	6.36	-1.65	-13.00	-57.19
677.96	-72.09	-75.35	6.19	-2.93	-13.00	-59.09
731.31	-67.44	-70.62	5.95	-2.77	-13.00	-54.44
877.78	-72.22	-75.86	6.48	-2.84	-13.00	-59.22
928.22	-71.73	-74.74	5.93	-2.92	-13.00	-58.73
1427.00	-52.69	-54.37	5.56	-3.88	-13.00	-39.69
2140.50	-43.91	-46.47	7.34	-4.79	-13.00	-30.91

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B12
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :713.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
34.85	-64.47	-52.69	-11.15	-0.64	-13.00	-51.47
54.25	-68.25	-58.54	-8.95	-0.77	-13.00	-55.25
120.21	-74.40	-74.19	0.83	-1.04	-13.00	-61.40
719.67	-74.94	-78.44	6.16	-2.66	-13.00	-61.94
884.57	-75.24	-78.84	6.45	-2.85	-13.00	-62.24
918.52	-73.75	-76.93	6.10	-2.92	-13.00	-60.75
1427.00	-52.75	-54.43	5.56	-3.88	-13.00	-39.75
2140.50	-36.90	-39.45	7.34	-4.79	-13.00	-23.90

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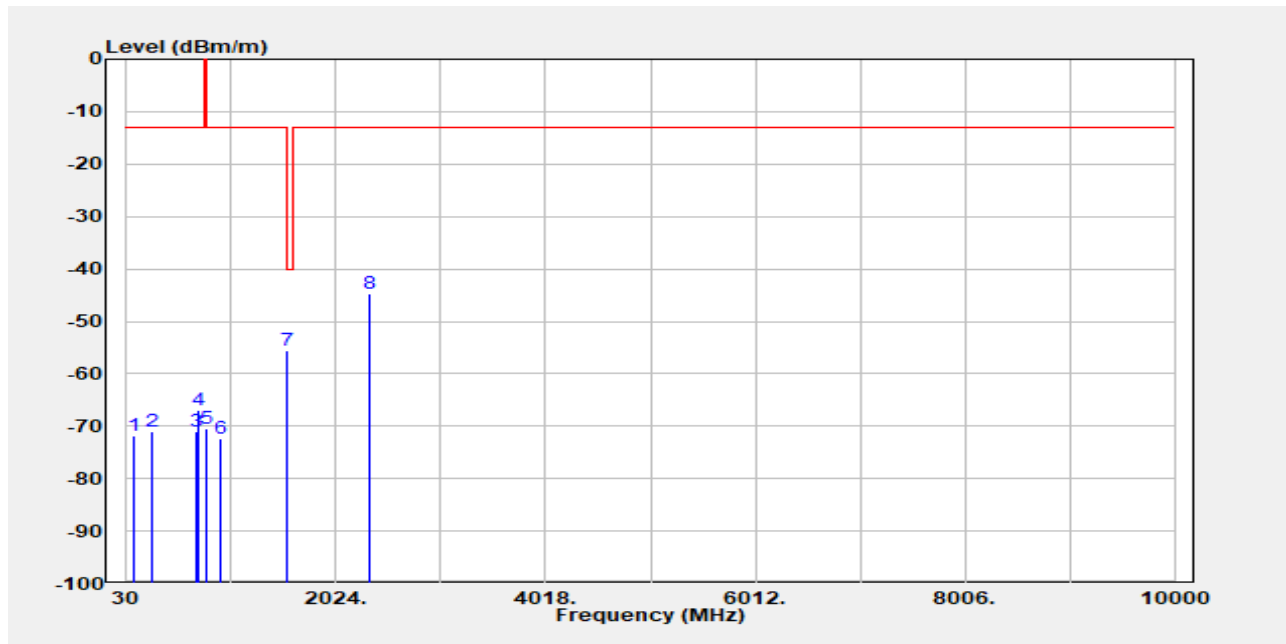
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :779.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



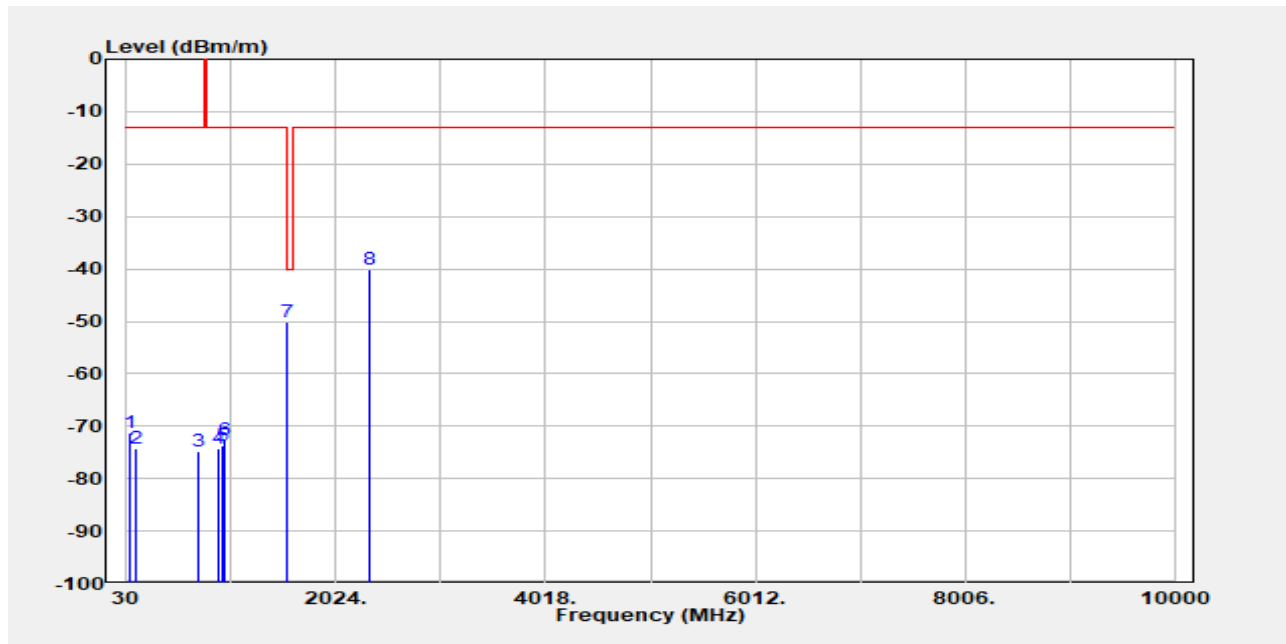
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
104.69	-71.92	-71.87	1.00	-1.04	-13.00	-58.92
263.77	-70.93	-75.63	6.36	-1.65	-13.00	-57.93
700.27	-70.98	-74.40	6.11	-2.69	-13.00	-57.98
715.79	-66.89	-70.19	6.11	-2.80	-13.00	-53.89
796.30	-70.34	-73.54	6.11	-2.91	-13.00	-57.34
924.34	-72.41	-75.53	6.04	-2.91	-13.00	-59.41
1559.00	-55.47	-58.02	6.62	-4.08	-40.00	-15.47
2338.50	-44.72	-47.44	7.74	-5.02	-13.00	-31.72

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :779.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



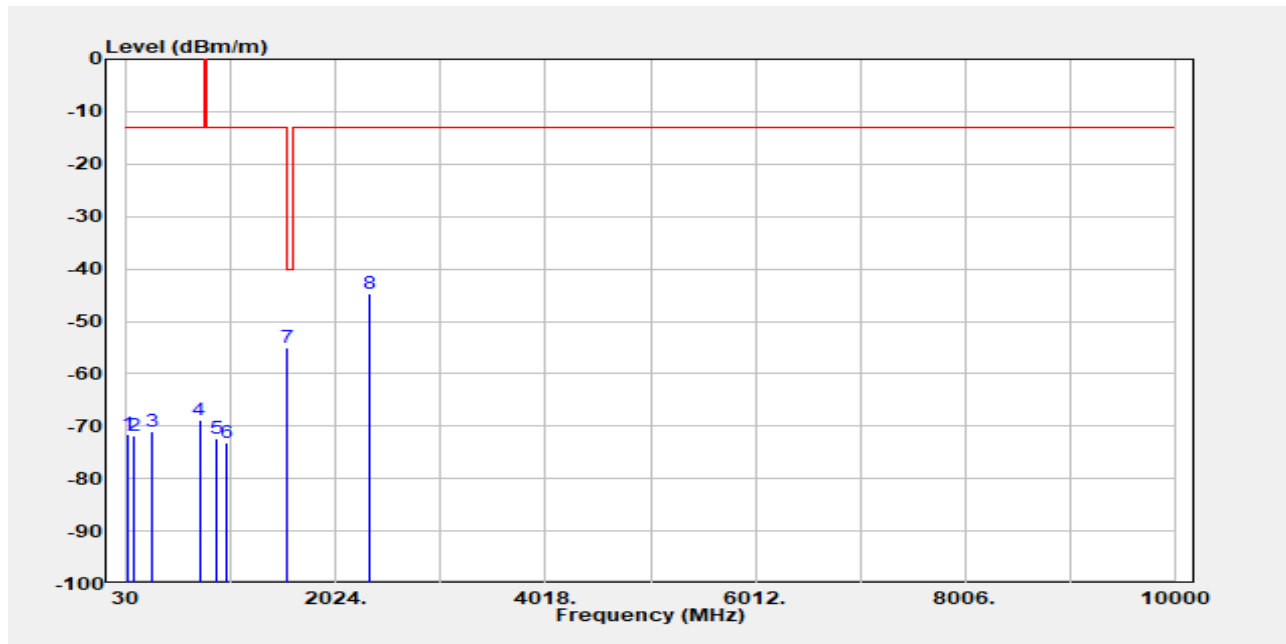
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
54.25	-71.14	-61.42	-8.95	-0.77	-13.00	-58.14
122.15	-74.30	-74.07	0.84	-1.06	-13.00	-61.30
707.06	-74.79	-77.98	6.10	-2.91	-13.00	-61.79
902.03	-74.30	-77.63	6.11	-2.78	-13.00	-61.30
945.68	-73.83	-76.83	5.93	-2.93	-13.00	-60.83
968.96	-72.75	-75.89	6.24	-3.10	-13.00	-59.75
1559.00	-50.04	-52.59	6.62	-4.08	-40.00	-10.04
2338.50	-40.08	-42.79	7.74	-5.02	-13.00	-27.08

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



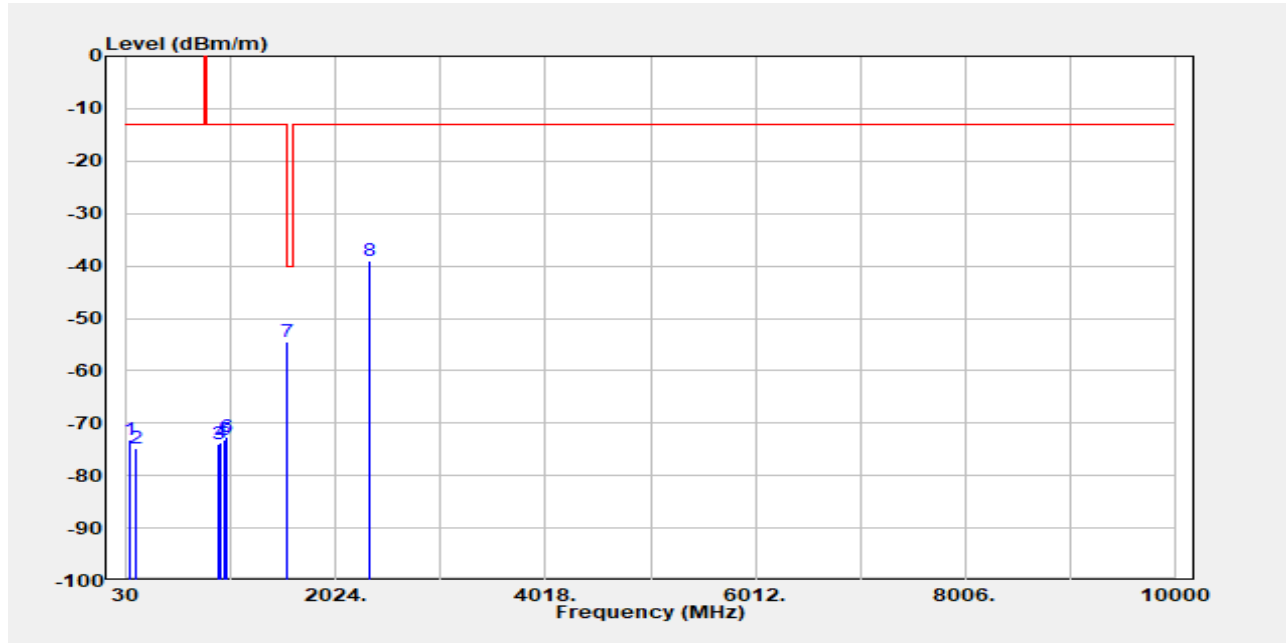
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
33.88	-71.41	-59.47	-11.32	-0.62	-13.00	-58.41
104.69	-71.84	-71.80	1.00	-1.04	-13.00	-58.84
263.77	-70.96	-75.66	6.36	-1.65	-13.00	-57.96
722.58	-68.91	-72.26	6.04	-2.69	-13.00	-55.91
876.81	-72.25	-75.85	6.47	-2.88	-13.00	-59.25
984.48	-73.09	-75.89	6.27	-3.48	-13.00	-60.09
1564.00	-55.13	-57.71	6.66	-4.08	-40.00	-15.13
2346.00	-44.64	-47.42	7.81	-5.03	-13.00	-31.64

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-73.15	-63.71	-8.67	-0.78	-13.00	-60.15
126.03	-74.67	-74.39	0.82	-1.10	-13.00	-61.67
900.09	-73.94	-77.31	6.09	-2.71	-13.00	-60.94
926.28	-73.66	-76.73	5.99	-2.92	-13.00	-60.66
958.29	-73.10	-76.13	6.07	-3.04	-13.00	-60.10
979.63	-72.66	-75.35	6.23	-3.54	-13.00	-59.66
1564.00	-54.58	-57.16	6.66	-4.08	-40.00	-14.58
2346.00	-39.09	-41.87	7.81	-5.03	-13.00	-26.09

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SGS Taiwan Ltd.

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台灣檢驗科技股份有限公司

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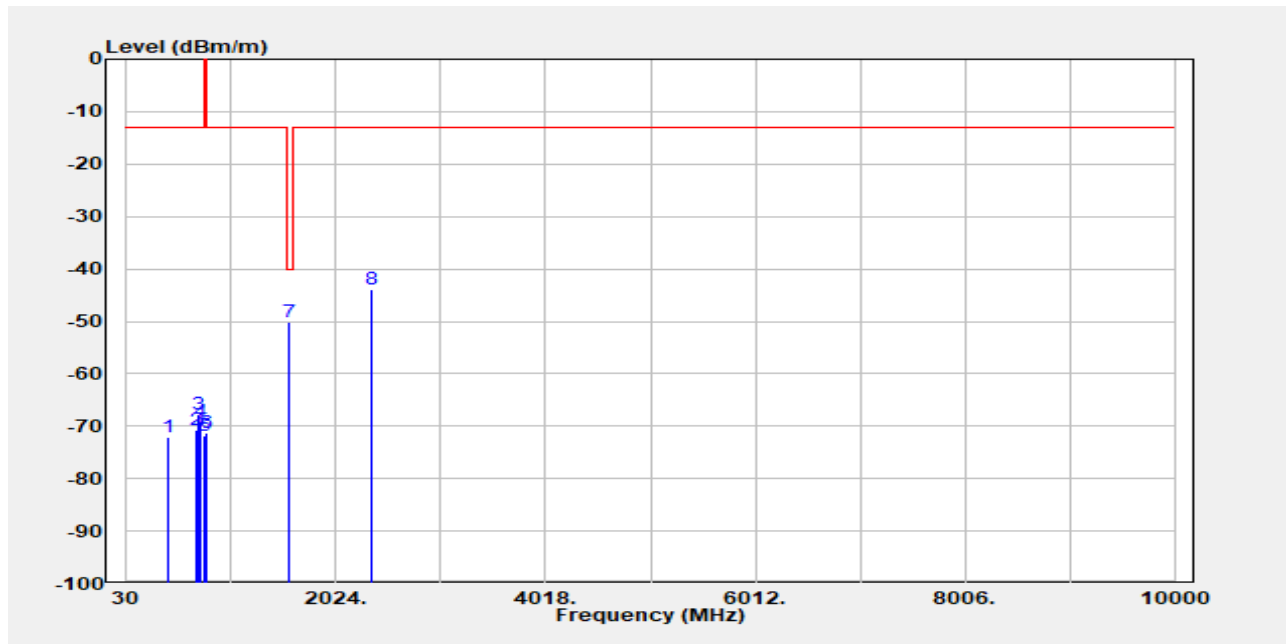
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Member of SGS Group

Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :784.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



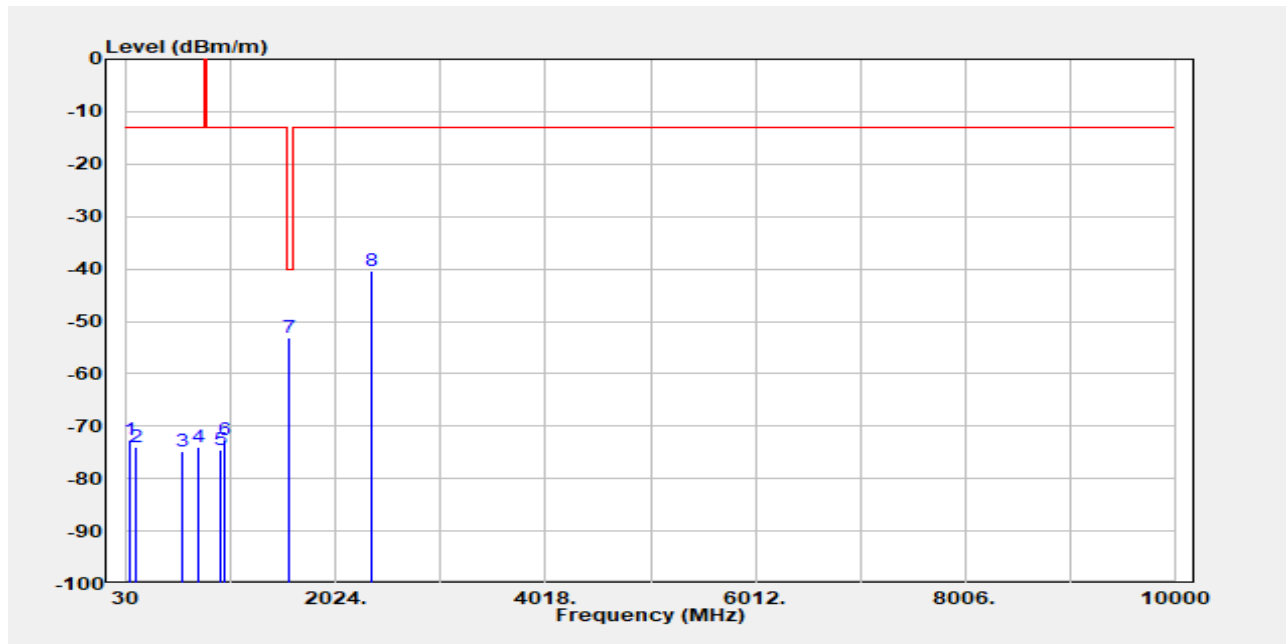
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
418.97	-71.99	-76.19	6.29	-2.09	-13.00	-58.99
699.30	-70.66	-74.07	6.12	-2.70	-13.00	-57.66
715.79	-67.72	-71.03	6.11	-2.80	-13.00	-54.72
729.37	-69.17	-72.27	5.89	-2.78	-13.00	-56.17
770.11	-71.92	-75.33	5.74	-2.32	-13.00	-58.92
787.57	-71.40	-74.60	5.88	-2.68	-13.00	-58.40
1569.00	-50.16	-52.78	6.70	-4.08	-40.00	-10.16
2353.50	-43.81	-46.62	7.86	-5.04	-13.00	-30.81

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :784.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
54.25	-72.76	-63.04	-8.95	-0.77	-13.00	-59.76
126.03	-74.06	-73.78	0.82	-1.10	-13.00	-61.06
558.65	-74.87	-78.96	6.58	-2.48	-13.00	-61.87
718.70	-74.08	-77.53	6.14	-2.70	-13.00	-61.08
914.64	-74.52	-77.67	6.13	-2.98	-13.00	-61.52
968.96	-72.67	-75.81	6.24	-3.10	-13.00	-59.67
1569.00	-53.24	-55.87	6.70	-4.08	-40.00	-13.24
2353.50	-40.25	-43.06	7.86	-5.04	-13.00	-27.25

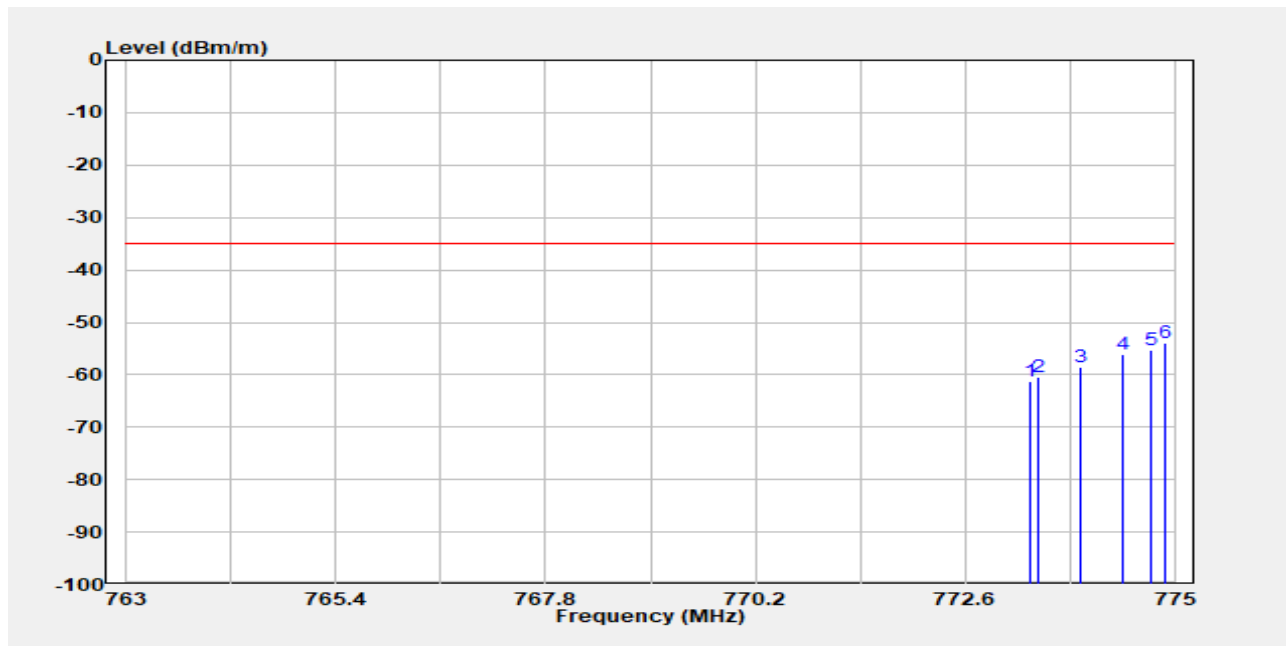
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :779.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



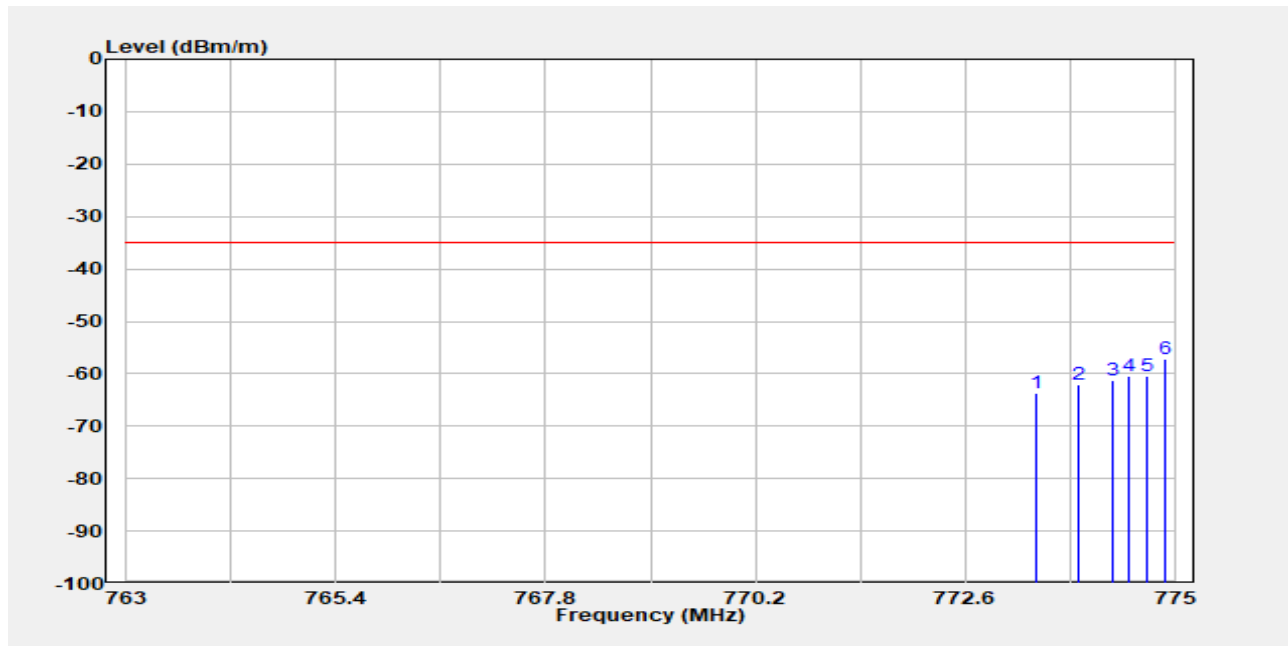
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
773.36	-61.14	-61.29	3.15	-3.00	-35.00	-26.14
773.45	-60.30	-60.45	3.15	-3.00	-35.00	-25.30
773.92	-58.41	-58.56	3.15	-3.01	-35.00	-23.41
774.41	-56.07	-56.22	3.16	-3.01	-35.00	-21.07
774.74	-55.33	-55.48	3.16	-3.01	-35.00	-20.33
774.89	-53.96	-54.11	3.16	-3.02	-35.00	-18.96

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B13
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :779.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
773.42	-63.68	-63.82	3.15	-3.00	-35.00	-28.68
773.91	-62.13	-62.27	3.15	-3.01	-35.00	-27.13
774.29	-61.18	-61.33	3.16	-3.01	-35.00	-26.18
774.47	-60.43	-60.58	3.16	-3.01	-35.00	-25.43
774.68	-60.51	-60.65	3.16	-3.01	-35.00	-25.51
774.90	-57.09	-57.24	3.16	-3.02	-35.00	-22.09

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台灣檢驗科技股份有限公司

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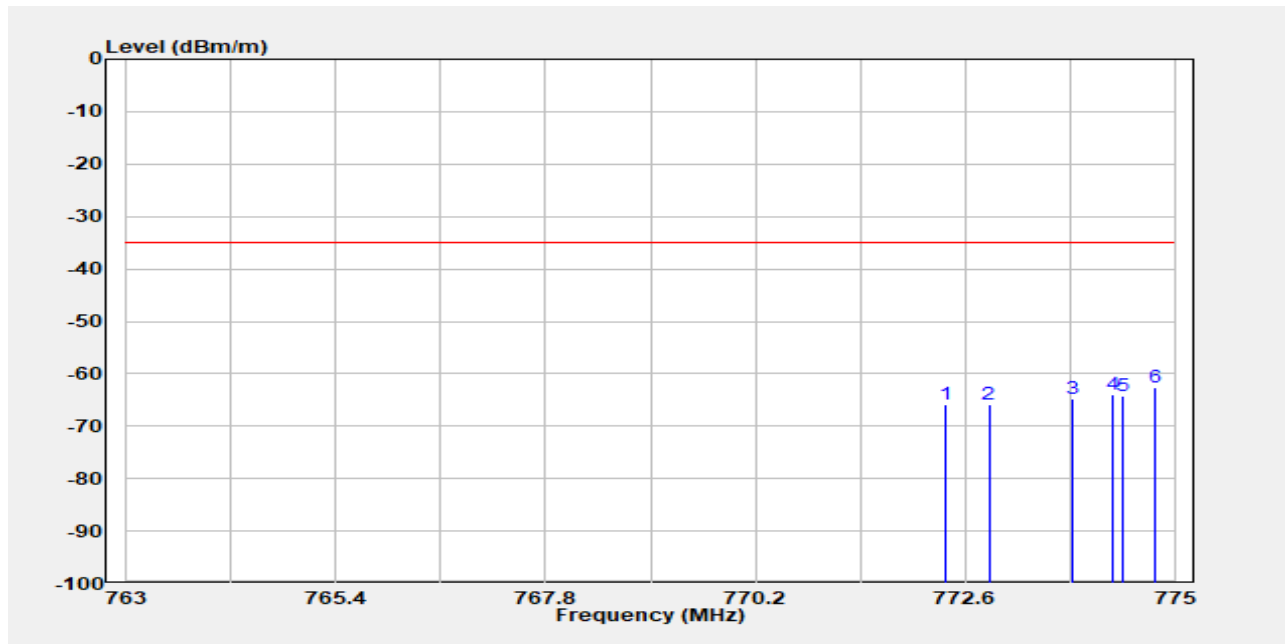
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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B13
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :782 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



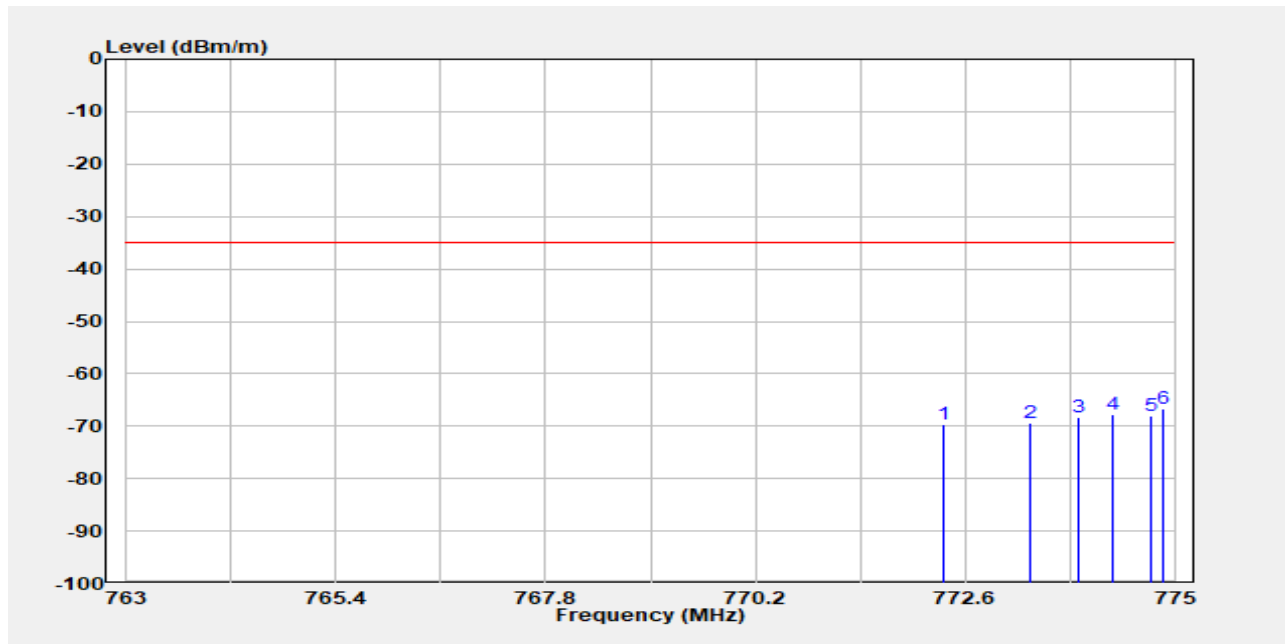
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
772.37	-65.98	-66.12	3.14	-2.99	-35.00	-30.98
772.88	-65.83	-65.97	3.14	-3.00	-35.00	-30.83
773.84	-64.80	-64.95	3.15	-3.01	-35.00	-29.80
774.29	-64.03	-64.18	3.16	-3.01	-35.00	-29.03
774.40	-64.22	-64.37	3.16	-3.01	-35.00	-29.22
774.78	-62.56	-62.71	3.16	-3.02	-35.00	-27.56

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



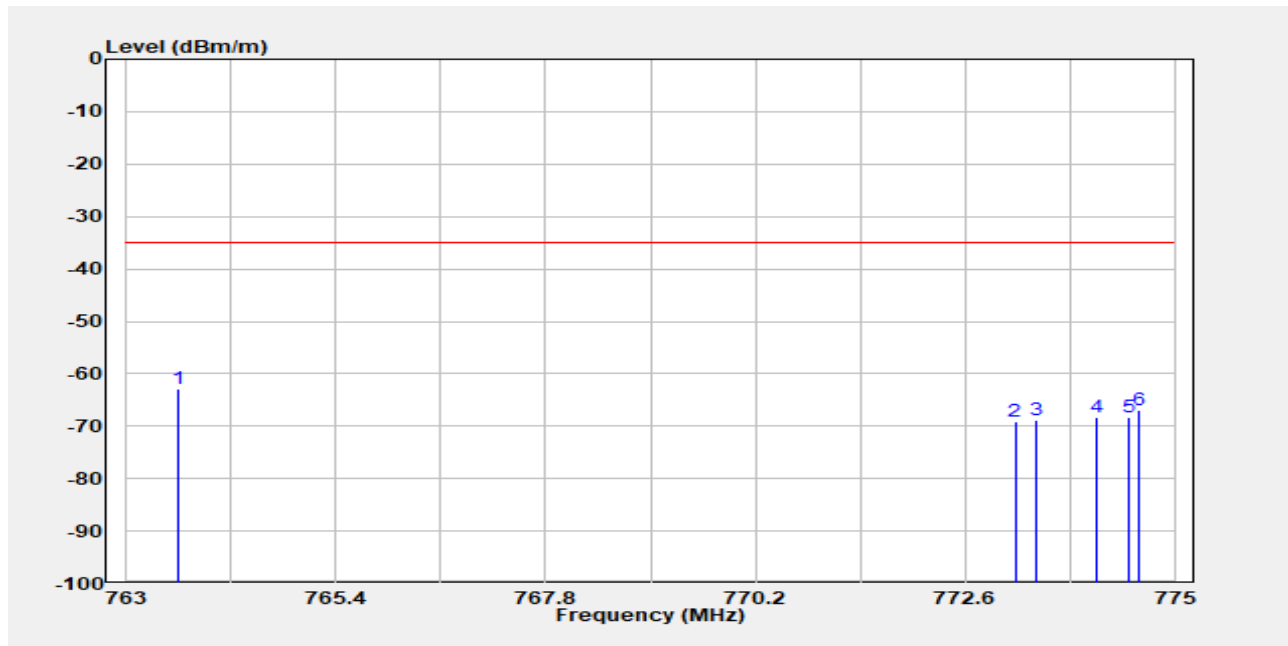
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
772.36	-69.55	-69.70	3.14	-2.99	-35.00	-34.55
773.36	-69.29	-69.43	3.15	-3.00	-35.00	-34.29
773.90	-68.35	-68.49	3.15	-3.01	-35.00	-33.35
774.29	-67.62	-67.77	3.16	-3.01	-35.00	-32.62
774.72	-68.06	-68.20	3.16	-3.01	-35.00	-33.06
774.88	-66.56	-66.70	3.16	-3.02	-35.00	-31.56

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B13
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :784.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



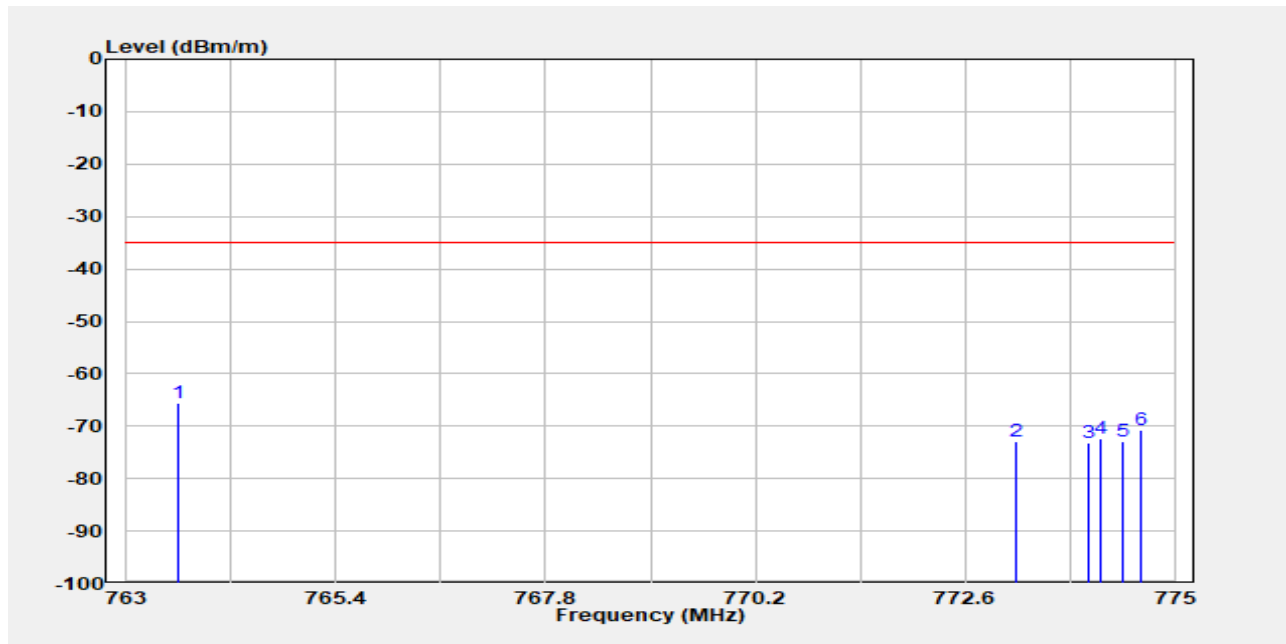
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
763.59	-62.92	-63.31	3.04	-2.64	-35.00	-27.92
773.18	-68.98	-69.13	3.15	-3.00	-35.00	-33.98
773.42	-68.96	-69.10	3.15	-3.00	-35.00	-33.96
774.10	-68.31	-68.45	3.16	-3.01	-35.00	-33.31
774.48	-68.26	-68.41	3.16	-3.01	-35.00	-33.26
774.59	-66.91	-67.06	3.16	-3.01	-35.00	-31.91

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :784.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



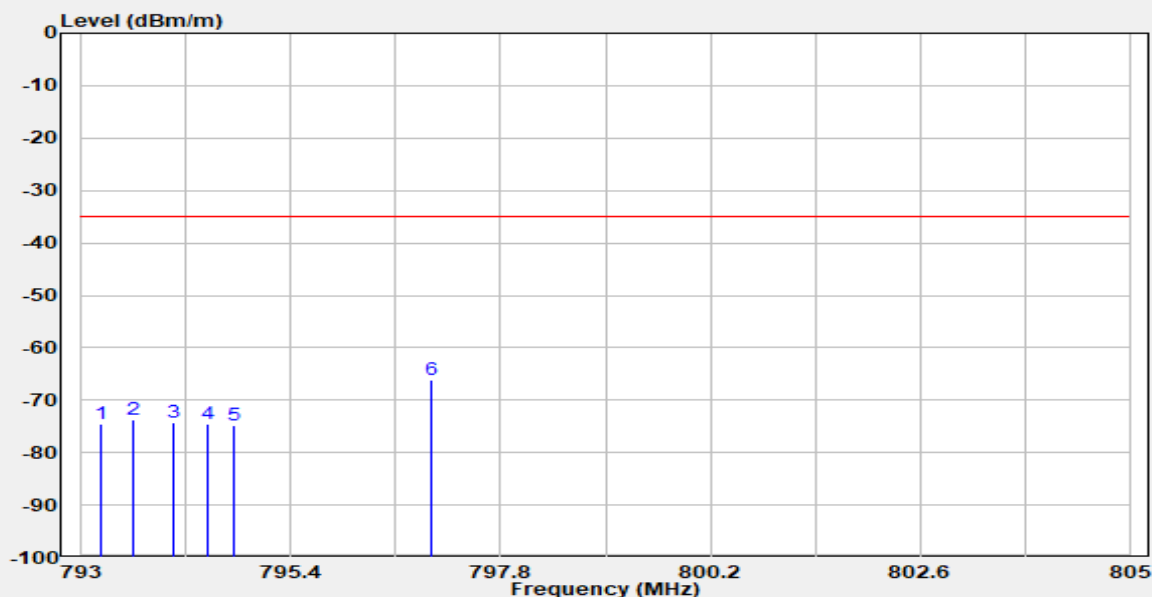
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
763.59	-65.63	-66.02	3.04	-2.64	-35.00	-30.63
773.19	-73.02	-73.16	3.15	-3.00	-35.00	-38.02
774.03	-73.15	-73.30	3.16	-3.01	-35.00	-38.15
774.15	-72.37	-72.52	3.16	-3.01	-35.00	-37.37
774.40	-72.79	-72.94	3.16	-3.01	-35.00	-37.79
774.62	-70.80	-70.95	3.16	-3.01	-35.00	-35.80

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B13
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :779.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



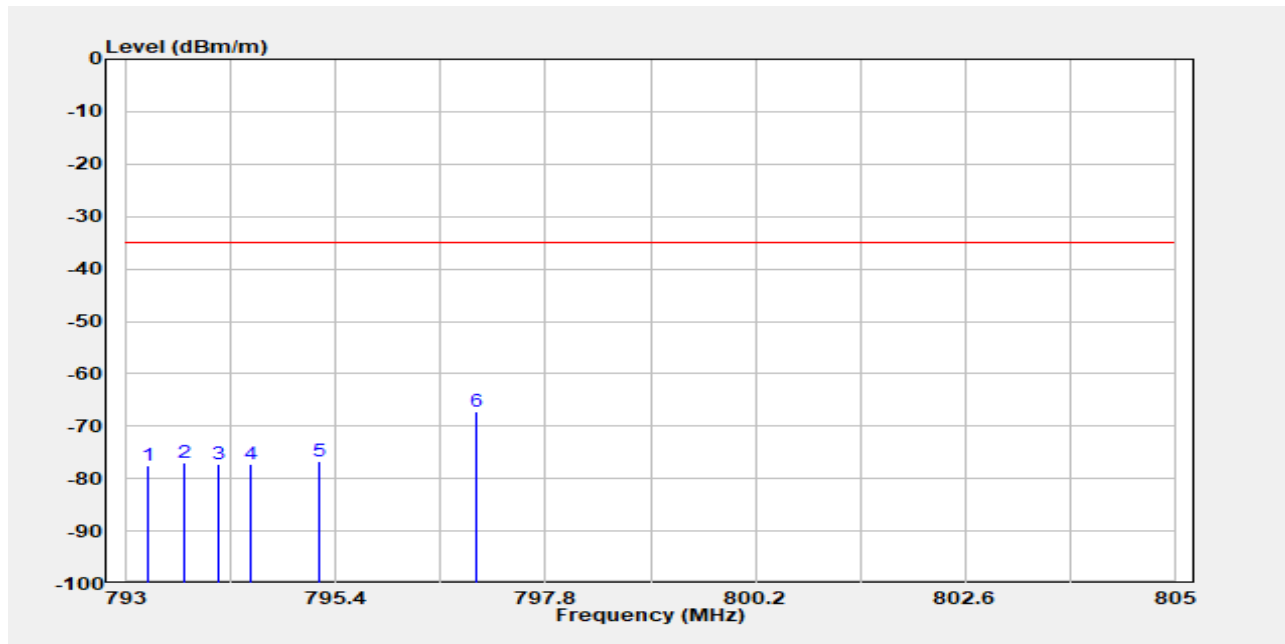
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.22	-74.49	-75.19	3.83	-3.13	-35.00	-39.49
793.60	-73.79	-74.50	3.84	-3.13	-35.00	-38.79
794.04	-74.39	-75.11	3.86	-3.13	-35.00	-39.39
794.45	-74.42	-75.16	3.87	-3.13	-35.00	-39.42
794.74	-74.91	-75.65	3.88	-3.13	-35.00	-39.91
797.00	-66.20	-67.02	3.95	-3.13	-35.00	-31.20

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :779.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



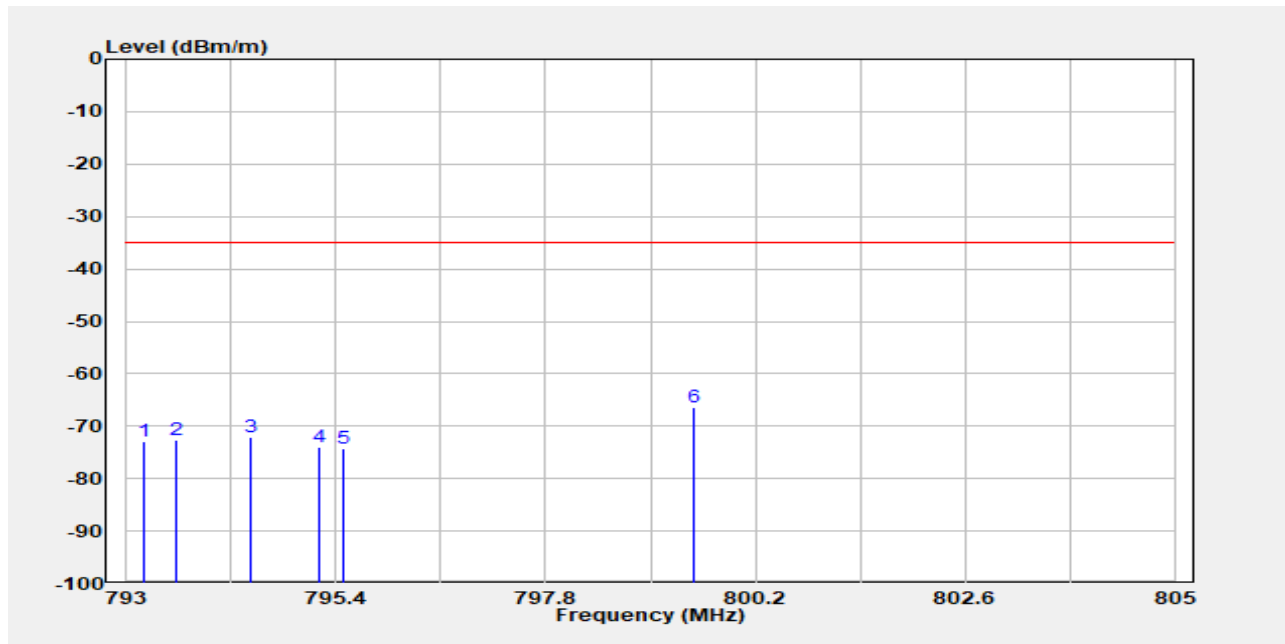
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.25	-77.62	-78.31	3.83	-3.13	-35.00	-42.62
793.66	-76.96	-77.67	3.85	-3.13	-35.00	-41.96
794.06	-77.20	-77.93	3.86	-3.13	-35.00	-42.20
794.43	-77.27	-78.01	3.87	-3.13	-35.00	-42.27
795.20	-76.80	-77.56	3.89	-3.13	-35.00	-41.80
797.00	-67.25	-68.07	3.95	-3.13	-35.00	-32.25

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



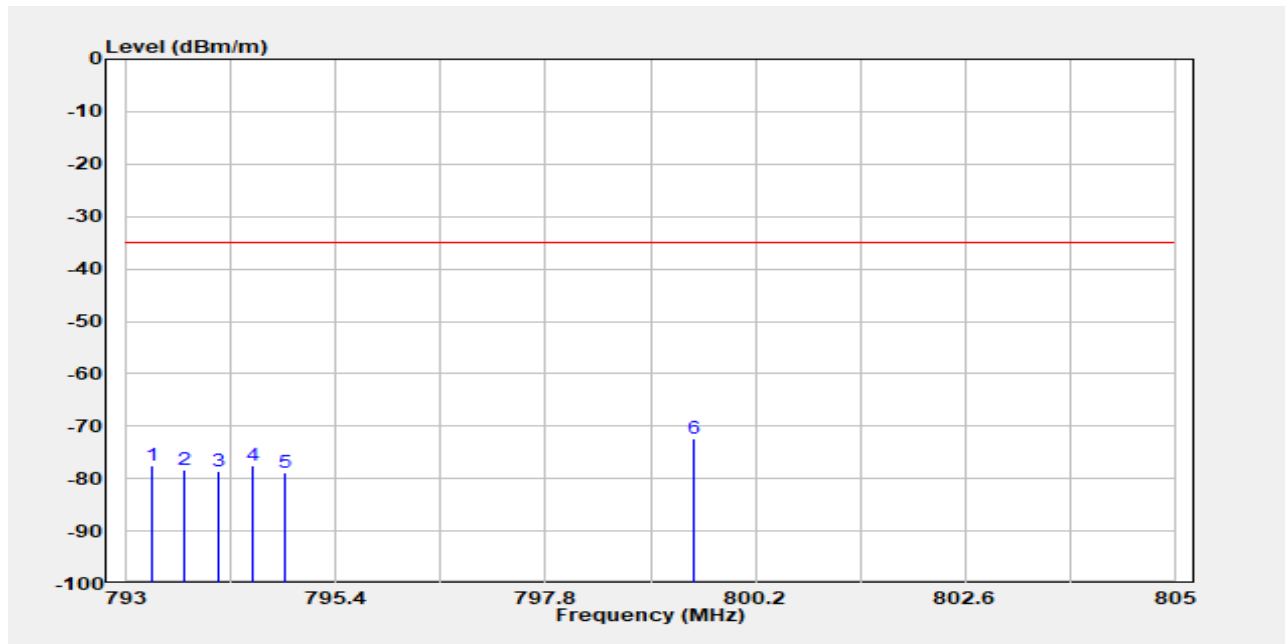
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.19	-72.78	-73.48	3.83	-3.13	-35.00	-37.78
793.58	-72.75	-73.45	3.84	-3.13	-35.00	-37.75
794.42	-72.12	-72.86	3.87	-3.13	-35.00	-37.12
795.20	-74.05	-74.81	3.89	-3.13	-35.00	-39.05
795.47	-74.33	-75.10	3.90	-3.13	-35.00	-39.33
799.49	-66.46	-67.35	4.03	-3.13	-35.00	-31.46

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



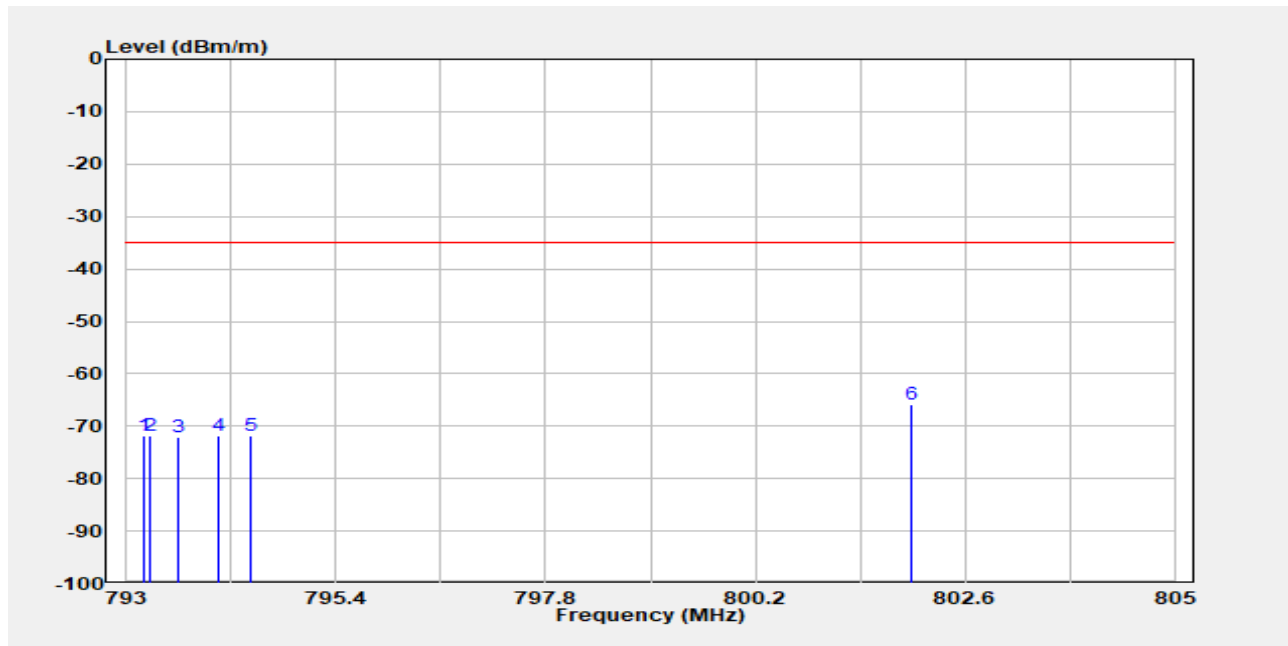
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.30	-77.63	-78.33	3.83	-3.13	-35.00	-42.63
793.66	-78.27	-78.99	3.85	-3.13	-35.00	-43.27
794.04	-78.56	-79.28	3.86	-3.13	-35.00	-43.56
794.44	-77.39	-78.13	3.87	-3.13	-35.00	-42.39
794.81	-78.78	-79.53	3.88	-3.13	-35.00	-43.78
799.49	-72.25	-73.15	4.03	-3.13	-35.00	-37.25

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B13
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :784.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.20	-71.75	-72.44	3.83	-3.13	-35.00	-36.75
793.28	-71.74	-72.44	3.83	-3.13	-35.00	-36.74
793.59	-72.09	-72.80	3.84	-3.13	-35.00	-37.09
794.04	-71.73	-72.45	3.86	-3.13	-35.00	-36.73
794.43	-71.78	-72.52	3.87	-3.13	-35.00	-36.78
801.99	-65.79	-66.78	4.10	-3.12	-35.00	-30.79

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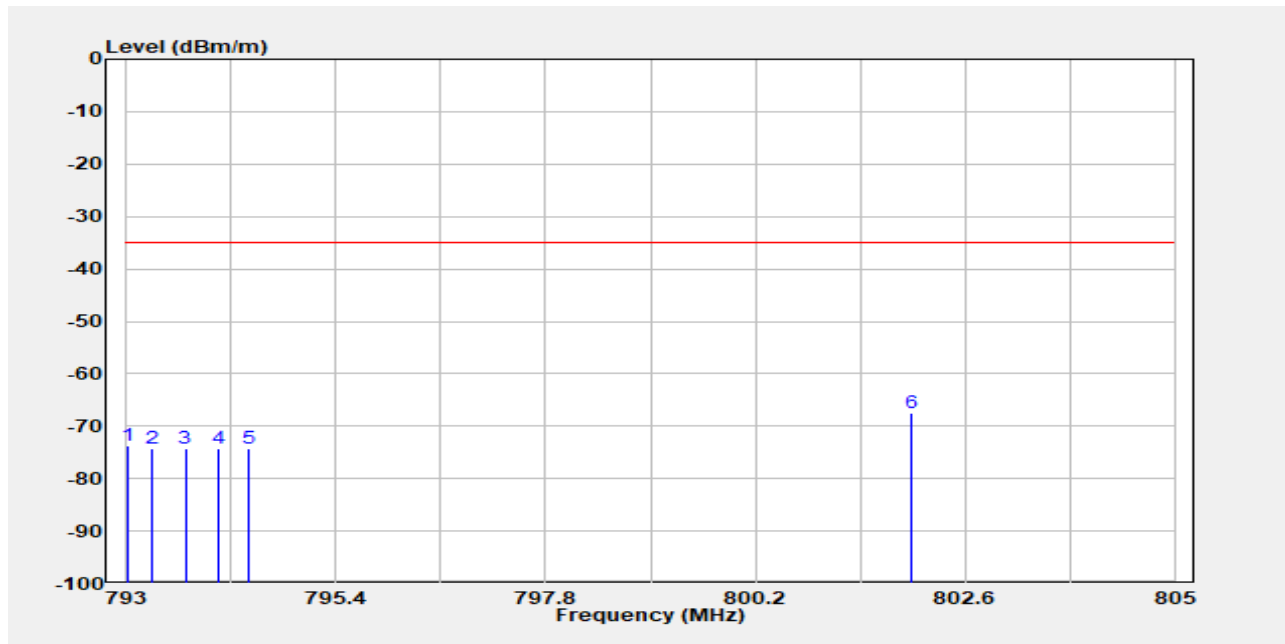
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B13
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :784.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



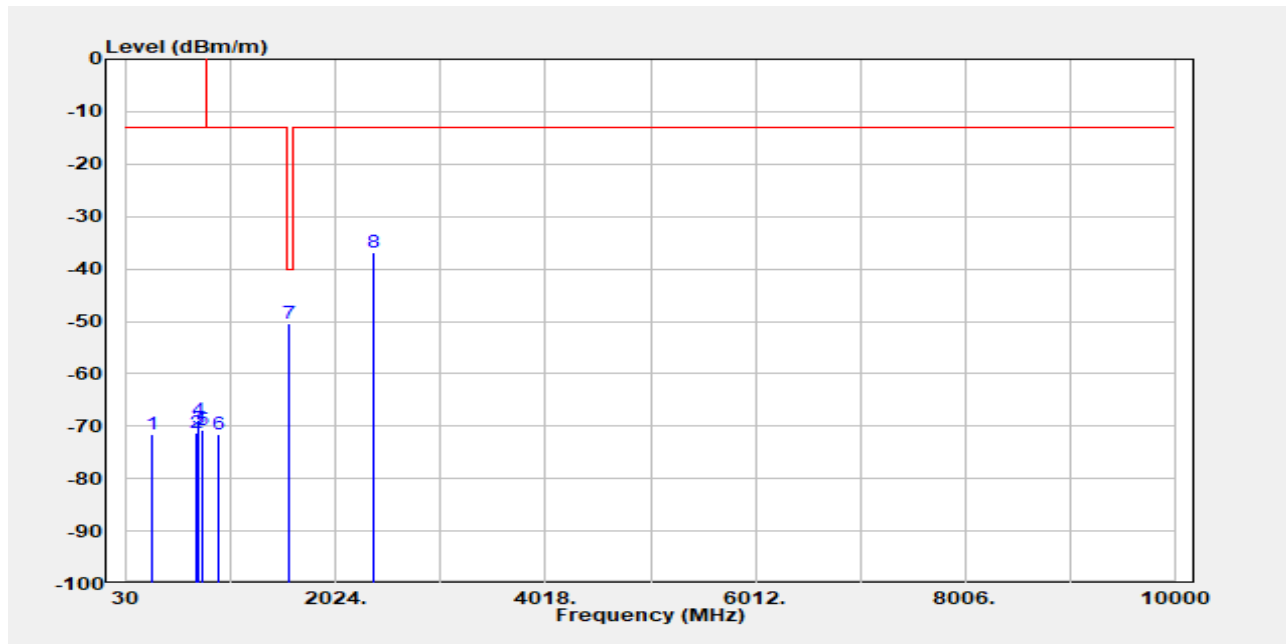
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
793.02	-73.80	-74.49	3.83	-3.13	-35.00	-38.80
793.29	-74.39	-75.09	3.83	-3.13	-35.00	-39.39
793.67	-74.23	-74.95	3.85	-3.13	-35.00	-39.23
794.06	-74.12	-74.85	3.86	-3.13	-35.00	-39.12
794.40	-74.13	-74.86	3.87	-3.13	-35.00	-39.13
801.99	-67.43	-68.42	4.10	-3.12	-35.00	-32.43

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B14
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :790.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-71.52	-76.22	6.36	-1.65	-13.00	-58.52
691.54	-71.25	-74.51	6.18	-2.93	-13.00	-58.25
705.12	-70.47	-73.69	6.07	-2.85	-13.00	-57.47
715.79	-68.81	-72.12	6.11	-2.80	-13.00	-55.81
753.62	-70.80	-74.12	5.78	-2.47	-13.00	-57.80
898.15	-71.55	-74.94	6.15	-2.76	-13.00	-58.55
1581.00	-50.37	-53.08	6.80	-4.09	-40.00	-10.37
2371.50	-36.99	-39.82	7.89	-5.06	-13.00	-23.99

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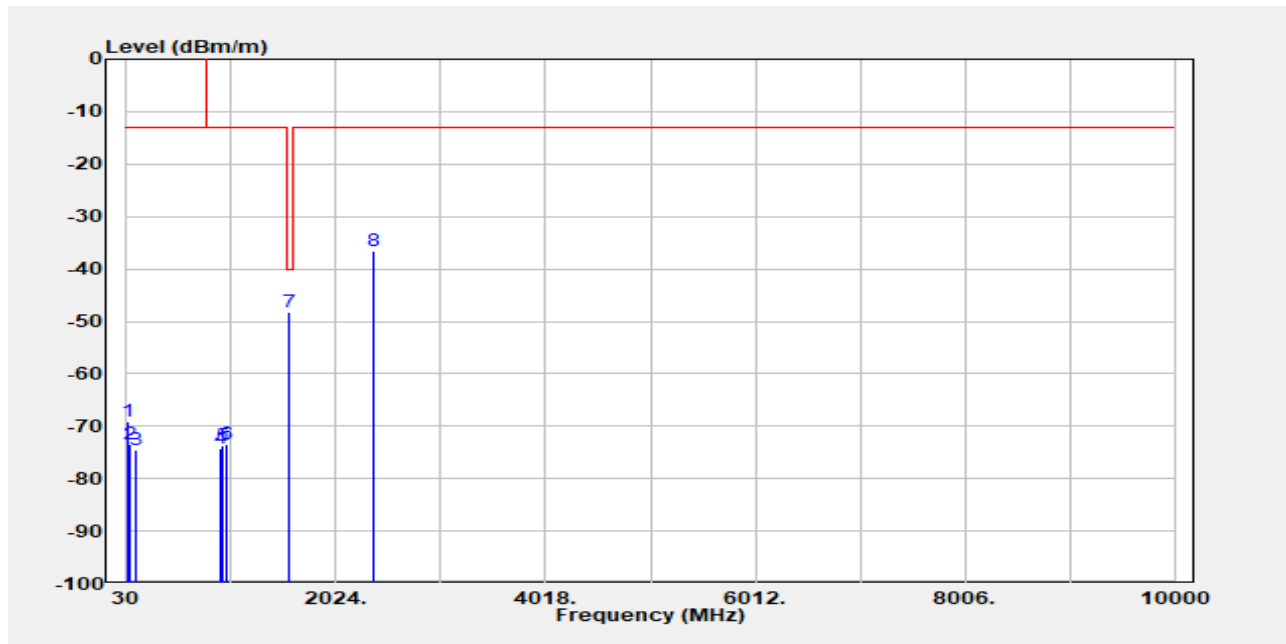
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B14
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :790.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
39.70	-69.00	-57.82	-10.49	-0.70	-13.00	-56.00
55.22	-73.34	-63.89	-8.67	-0.78	-13.00	-60.34
126.03	-74.51	-74.23	0.82	-1.10	-13.00	-61.51
922.40	-74.38	-77.53	6.06	-2.91	-13.00	-61.38
944.71	-73.75	-76.71	5.91	-2.95	-13.00	-60.75
975.75	-73.44	-76.36	6.28	-3.37	-13.00	-60.44
1581.00	-48.27	-50.98	6.80	-4.09	-40.00	-8.27
2371.50	-36.46	-39.29	7.89	-5.06	-13.00	-23.46

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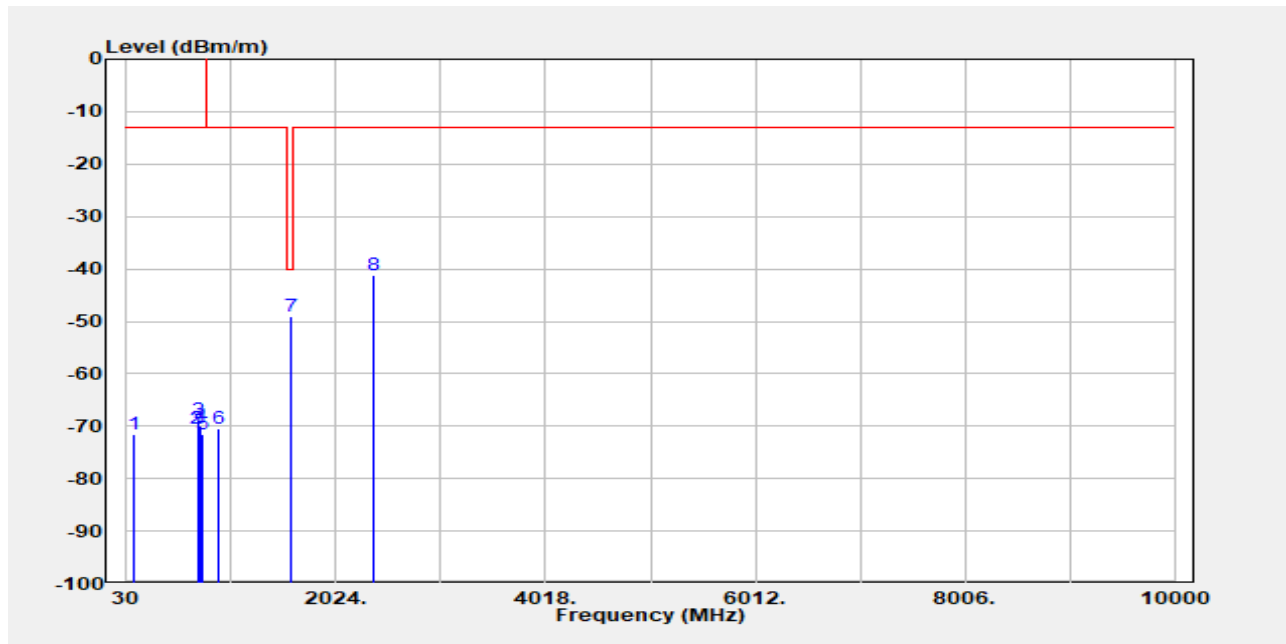
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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B14
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :793 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



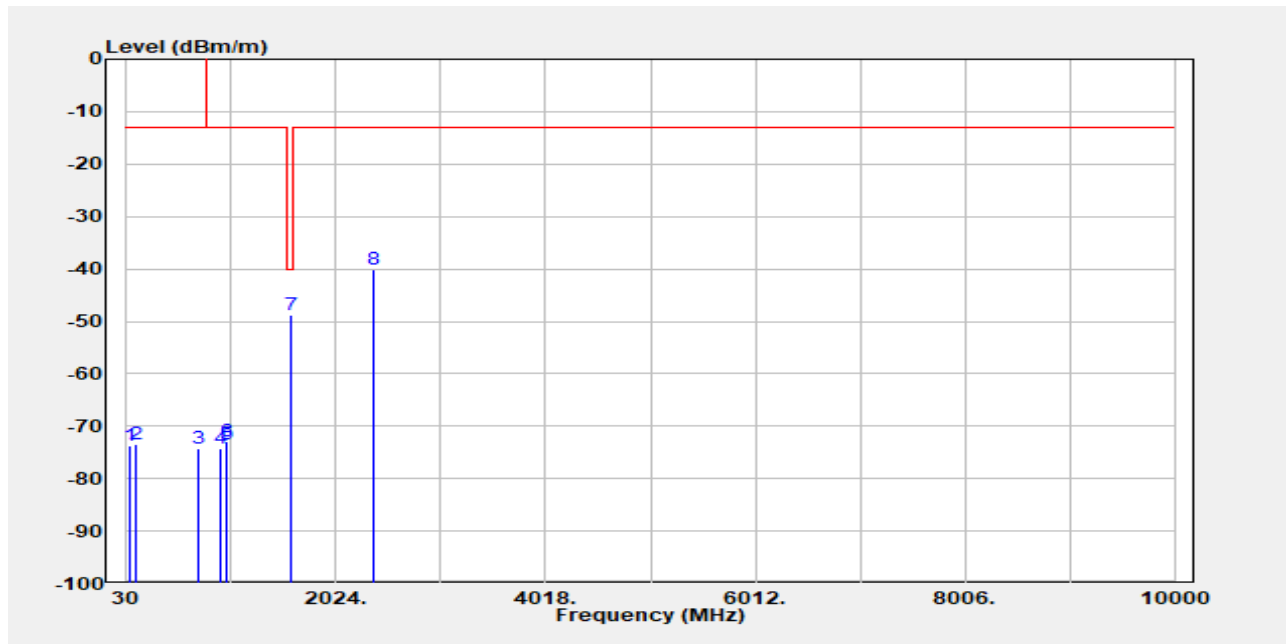
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
104.69	-71.55	-71.50	1.00	-1.04	-13.00	-58.55
703.18	-70.35	-73.65	6.08	-2.79	-13.00	-57.35
715.79	-68.83	-72.14	6.11	-2.80	-13.00	-55.83
729.37	-69.81	-72.91	5.89	-2.78	-13.00	-56.81
753.62	-71.43	-74.74	5.78	-2.47	-13.00	-58.43
896.21	-70.53	-73.93	6.21	-2.82	-13.00	-57.53
1586.00	-49.18	-51.93	6.84	-4.09	-40.00	-9.18
2379.00	-41.15	-43.99	7.91	-5.06	-13.00	-28.15

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B14
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :793 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



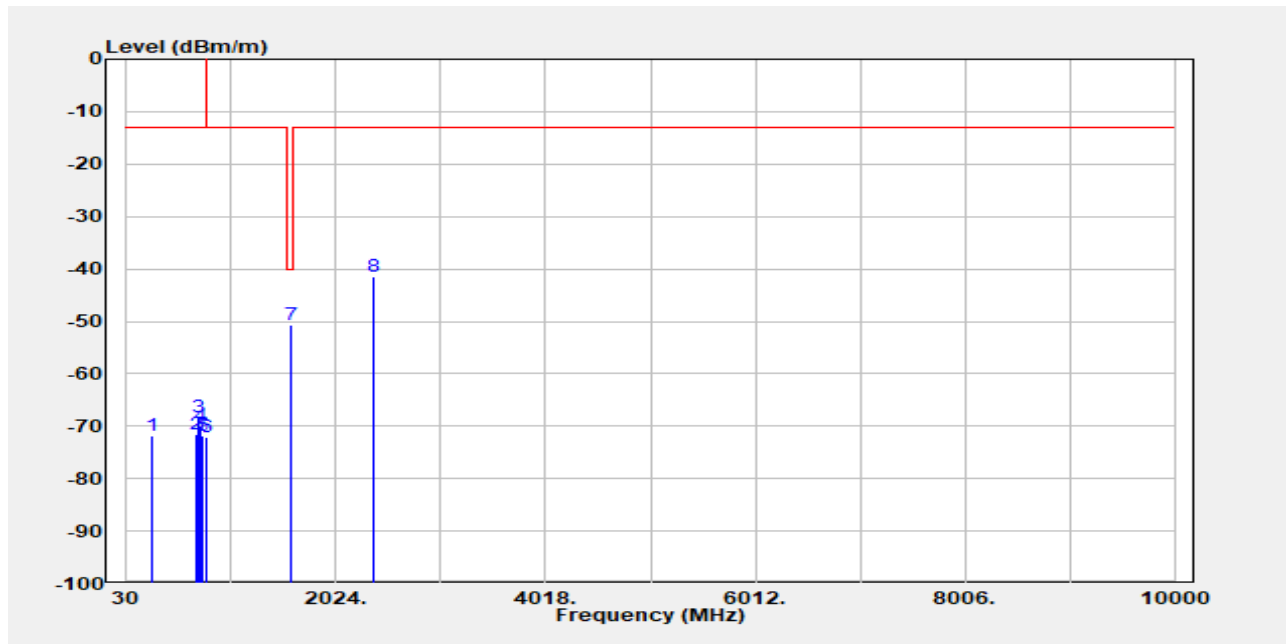
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-73.76	-64.31	-8.67	-0.78	-13.00	-60.76
124.09	-73.39	-73.28	0.97	-1.08	-13.00	-60.39
714.82	-74.38	-77.64	6.10	-2.84	-13.00	-61.38
923.37	-74.12	-77.26	6.05	-2.91	-13.00	-61.12
975.75	-73.53	-76.45	6.28	-3.37	-13.00	-60.53
986.42	-72.90	-75.72	6.26	-3.44	-13.00	-59.90
1586.00	-48.79	-51.54	6.84	-4.09	-40.00	-8.79
2379.00	-40.18	-43.02	7.91	-5.06	-13.00	-27.18

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B14
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :795.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-71.80	-76.50	6.36	-1.65	-13.00	-58.80
696.39	-71.63	-74.99	6.14	-2.78	-13.00	-58.63
715.79	-68.17	-71.48	6.11	-2.80	-13.00	-55.17
724.52	-69.80	-73.03	5.94	-2.71	-13.00	-56.80
751.68	-71.77	-75.13	5.80	-2.44	-13.00	-58.77
786.60	-72.03	-75.24	5.89	-2.69	-13.00	-59.03
1591.00	-50.72	-53.50	6.88	-4.09	-40.00	-10.72
2386.50	-41.40	-44.25	7.92	-5.07	-13.00	-28.40

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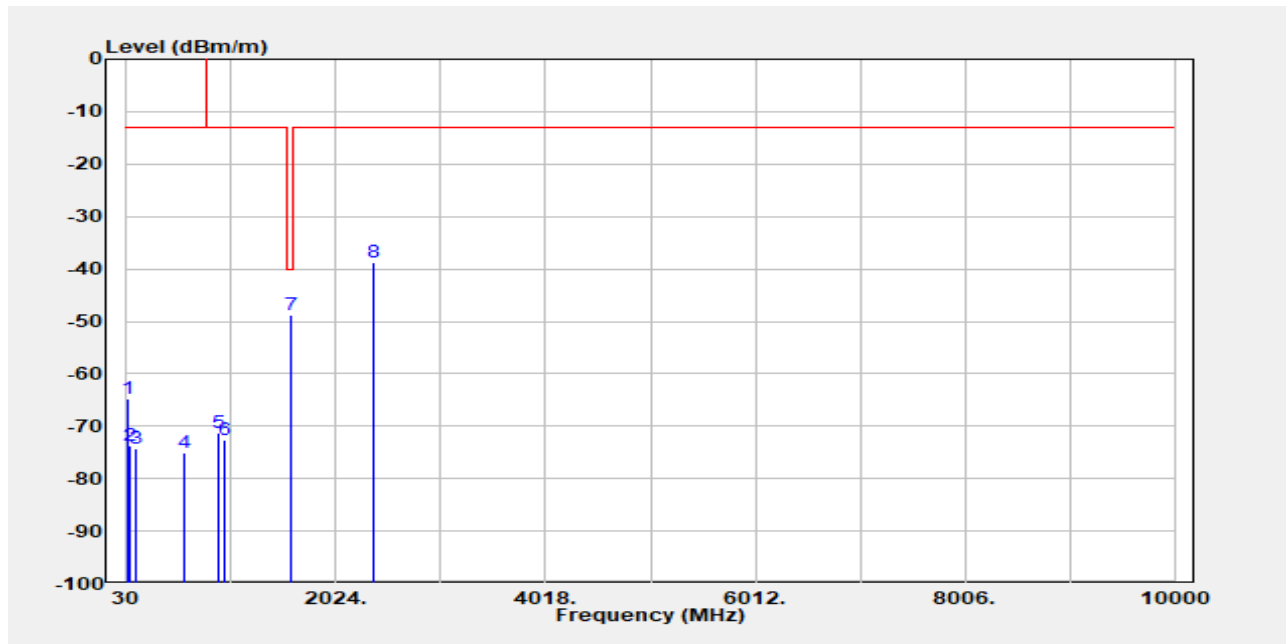
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B14
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :795.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
35.82	-64.80	-53.41	-10.74	-0.65	-13.00	-51.80
55.22	-73.62	-64.17	-8.67	-0.78	-13.00	-60.62
123.12	-74.29	-74.05	0.83	-1.07	-13.00	-61.29
575.14	-75.07	-79.14	6.40	-2.33	-13.00	-62.07
896.21	-71.36	-74.75	6.21	-2.82	-13.00	-58.36
968.96	-72.59	-75.73	6.24	-3.10	-13.00	-59.59
1591.00	-48.84	-51.62	6.88	-4.09	-40.00	-8.84
2386.50	-38.73	-41.58	7.92	-5.07	-13.00	-25.73

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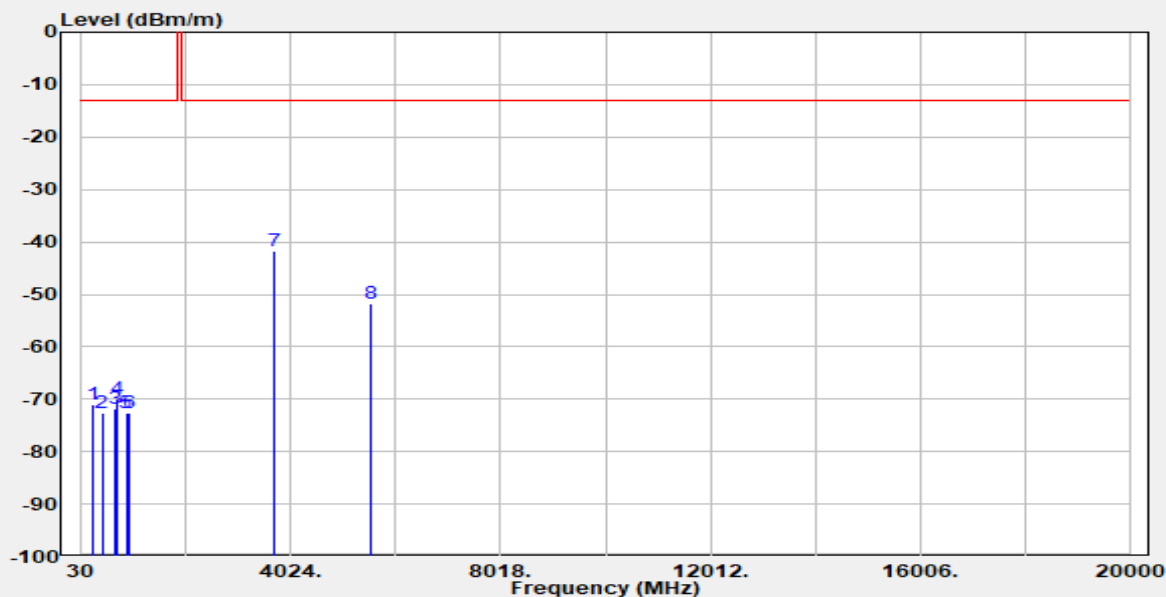
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B25
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1852.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-71.10	-75.81	6.36	-1.65	-13.00	-58.10
418.97	-72.74	-76.94	6.29	-2.09	-13.00	-59.74
680.87	-71.76	-75.14	6.25	-2.88	-13.00	-58.76
716.76	-70.03	-73.39	6.12	-2.77	-13.00	-57.03
878.75	-72.53	-76.22	6.49	-2.79	-13.00	-59.53
931.13	-72.57	-75.52	5.89	-2.95	-13.00	-59.57
3705.00	-41.75	-47.93	12.59	-6.41	-13.00	-28.75
5557.50	-51.66	-56.42	13.00	-8.23	-13.00	-38.66

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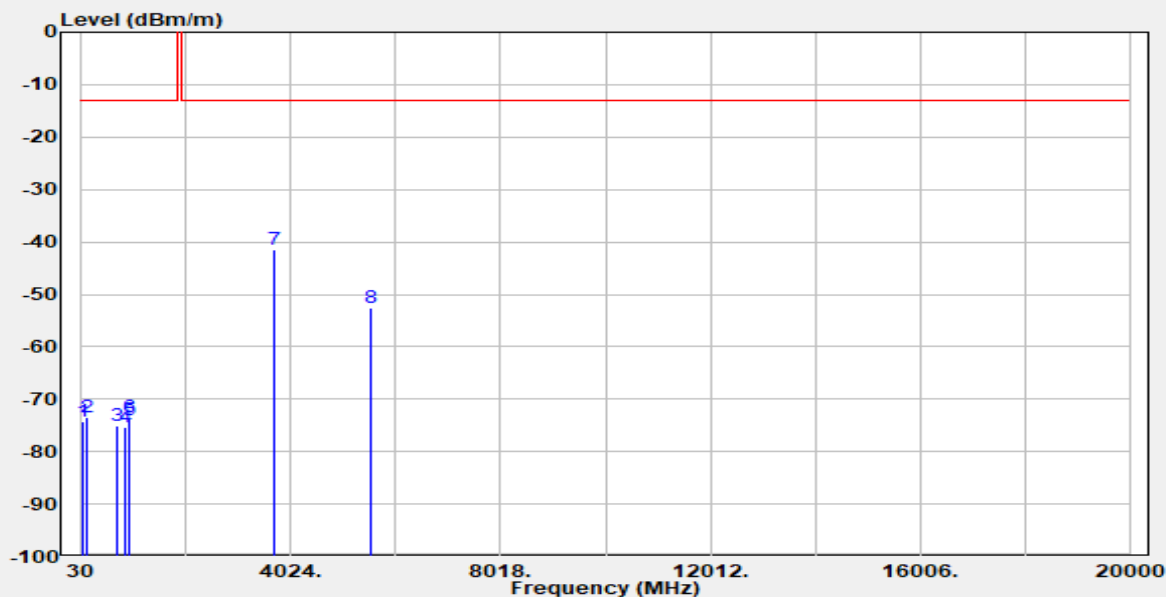
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B25
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1852.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
55.22	-74.20	-64.76	-8.67	-0.78	-13.00	-61.20
124.09	-73.52	-73.41	0.97	-1.08	-13.00	-60.52
713.85	-74.93	-78.17	6.11	-2.87	-13.00	-61.93
877.78	-75.43	-79.08	6.48	-2.84	-13.00	-62.43
928.22	-74.07	-77.08	5.93	-2.92	-13.00	-61.07
949.56	-73.43	-76.56	5.96	-2.82	-13.00	-60.43
3705.00	-41.36	-47.54	12.59	-6.41	-13.00	-28.36
5557.50	-52.68	-57.44	13.00	-8.23	-13.00	-39.68

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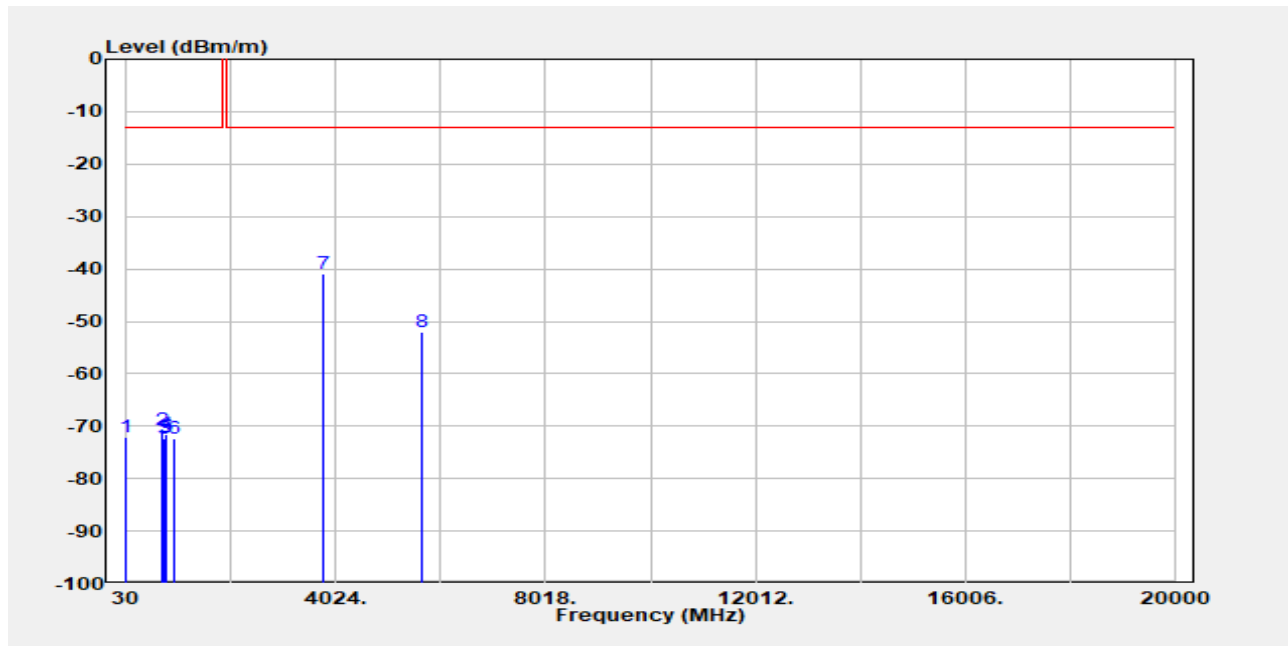
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B25
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1882.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
32.91	-71.98	-60.30	-11.08	-0.61	-13.00	-58.98
715.79	-70.85	-74.16	6.11	-2.80	-13.00	-57.85
749.74	-72.26	-75.65	5.81	-2.43	-13.00	-59.26
793.39	-71.41	-74.65	6.04	-2.80	-13.00	-58.41
798.24	-72.02	-75.13	6.09	-2.98	-13.00	-59.02
927.25	-72.38	-75.42	5.96	-2.92	-13.00	-59.38
3765.00	-40.99	-46.73	12.50	-6.76	-13.00	-27.99
5647.50	-52.01	-56.69	13.10	-8.41	-13.00	-39.01

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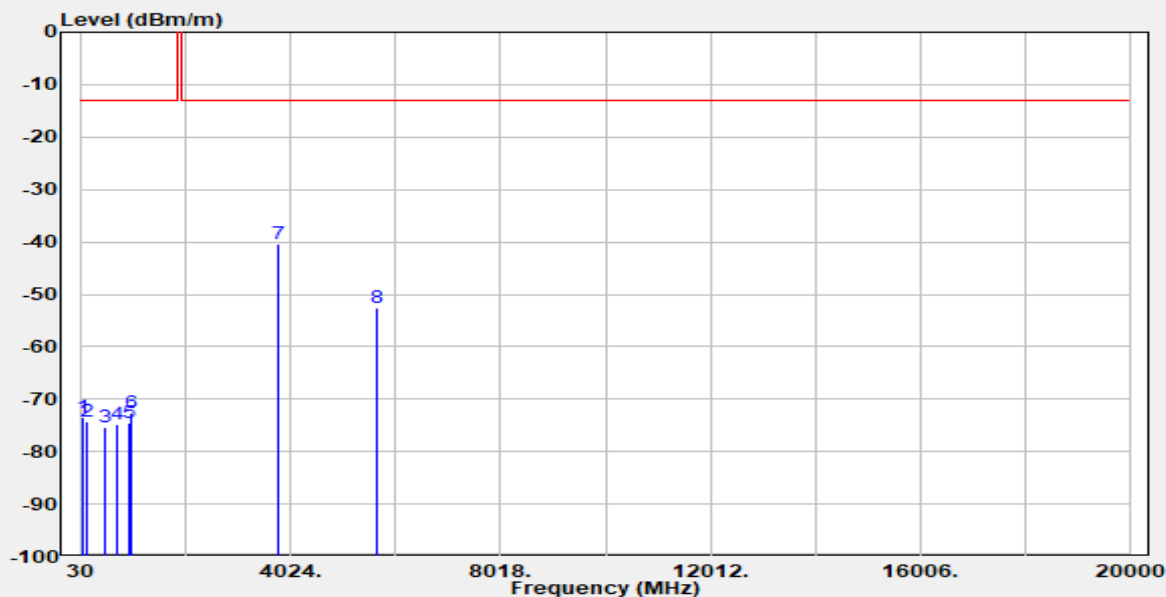
f (886-2) 2298-0488

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B25
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1882.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



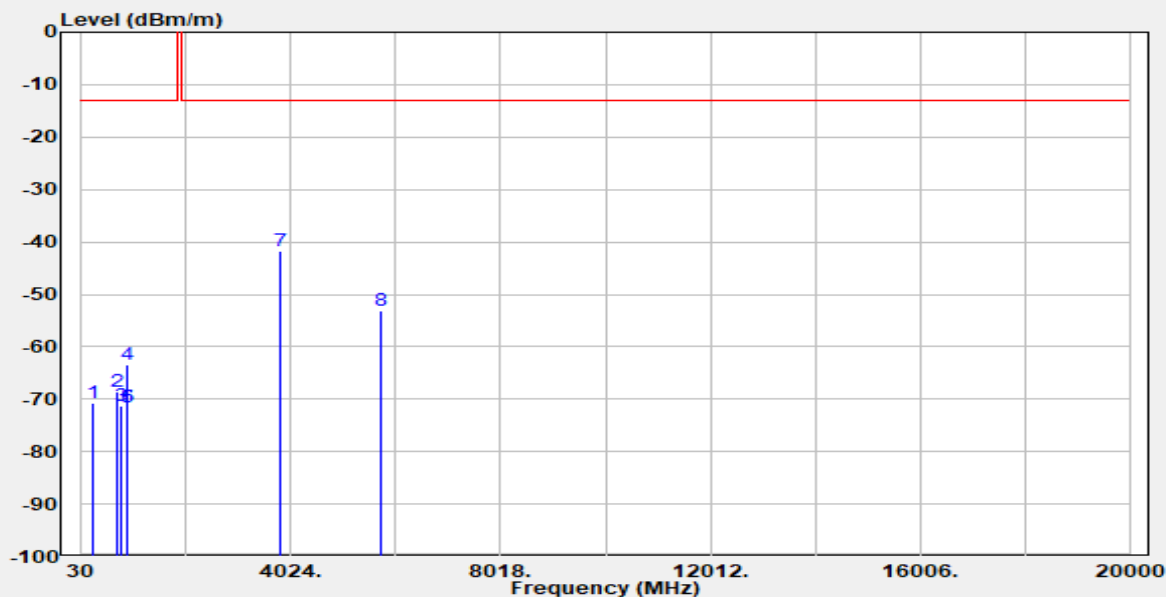
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-73.42	-63.70	-8.95	-0.77	-13.00	-60.42
123.12	-74.38	-74.13	0.83	-1.07	-13.00	-61.38
467.47	-75.44	-79.50	6.25	-2.19	-13.00	-62.44
716.76	-74.87	-78.23	6.12	-2.77	-13.00	-61.87
919.49	-74.54	-77.73	6.10	-2.91	-13.00	-61.54
974.78	-72.69	-75.65	6.29	-3.32	-13.00	-59.69
3765.00	-40.45	-46.19	12.50	-6.76	-13.00	-27.45
5647.50	-52.51	-57.20	13.10	-8.41	-13.00	-39.51

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B25
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1912.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



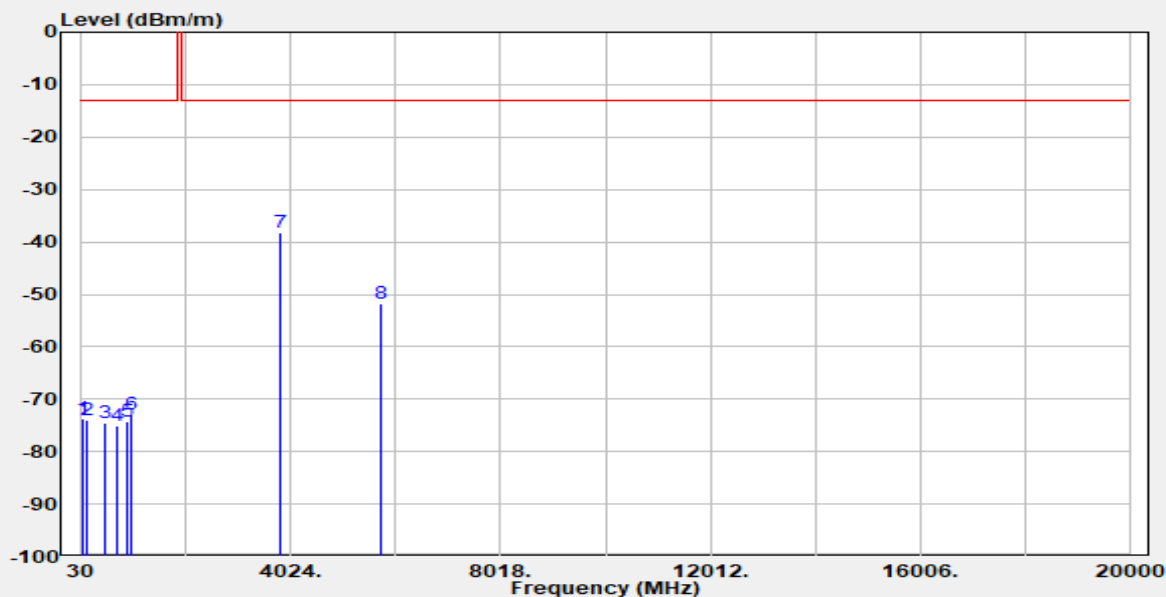
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
263.77	-70.83	-75.53	6.36	-1.65	-13.00	-57.83
715.79	-68.59	-71.90	6.11	-2.80	-13.00	-55.59
791.45	-71.20	-74.41	5.94	-2.73	-13.00	-58.20
896.21	-63.40	-66.80	6.21	-2.82	-13.00	-50.40
898.15	-71.52	-74.91	6.15	-2.76	-13.00	-58.52
903.97	-71.53	-74.81	6.13	-2.85	-13.00	-58.53
3825.00	-41.71	-47.50	12.40	-6.61	-13.00	-28.71
5737.50	-53.01	-57.45	12.95	-8.50	-13.00	-40.01

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B25
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1912.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



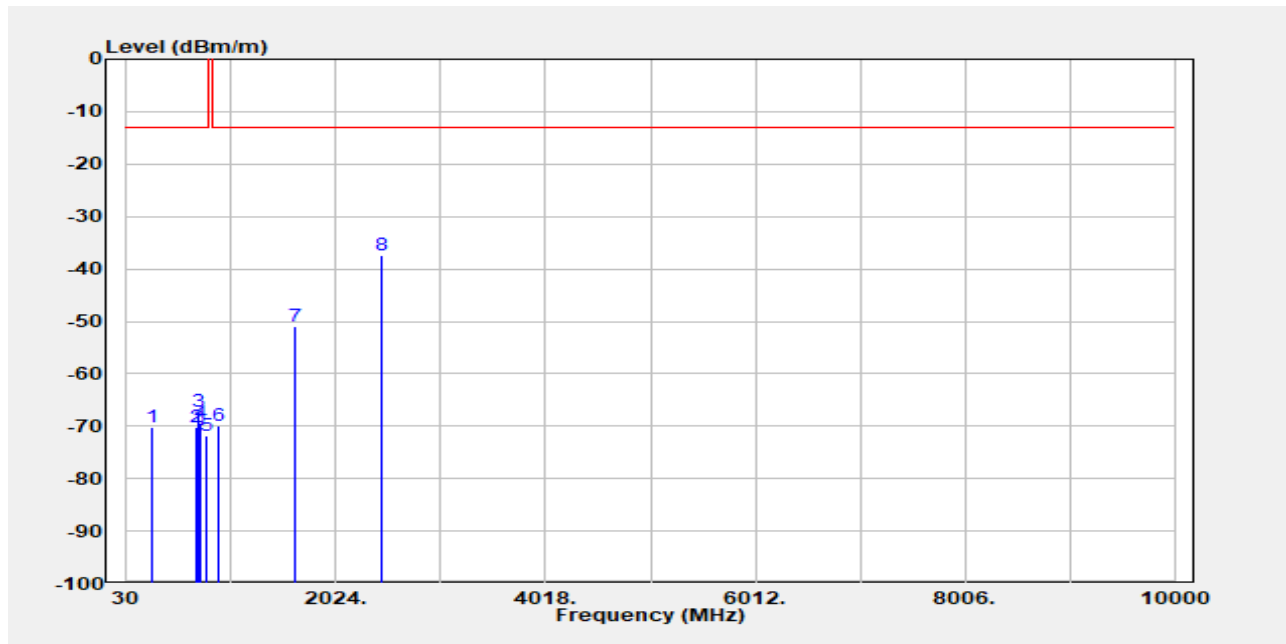
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
55.22	-73.62	-64.18	-8.67	-0.78	-13.00	-60.62
124.09	-74.10	-73.98	0.97	-1.08	-13.00	-61.10
469.41	-74.55	-78.68	6.33	-2.20	-13.00	-61.55
718.70	-75.17	-78.62	6.14	-2.70	-13.00	-62.17
903.00	-74.32	-77.63	6.12	-2.81	-13.00	-61.32
959.26	-72.88	-75.94	6.12	-3.07	-13.00	-59.88
3825.00	-38.20	-43.99	12.40	-6.61	-13.00	-25.20
5737.50	-51.89	-56.33	12.95	-8.50	-13.00	-38.89

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B26
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :816.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



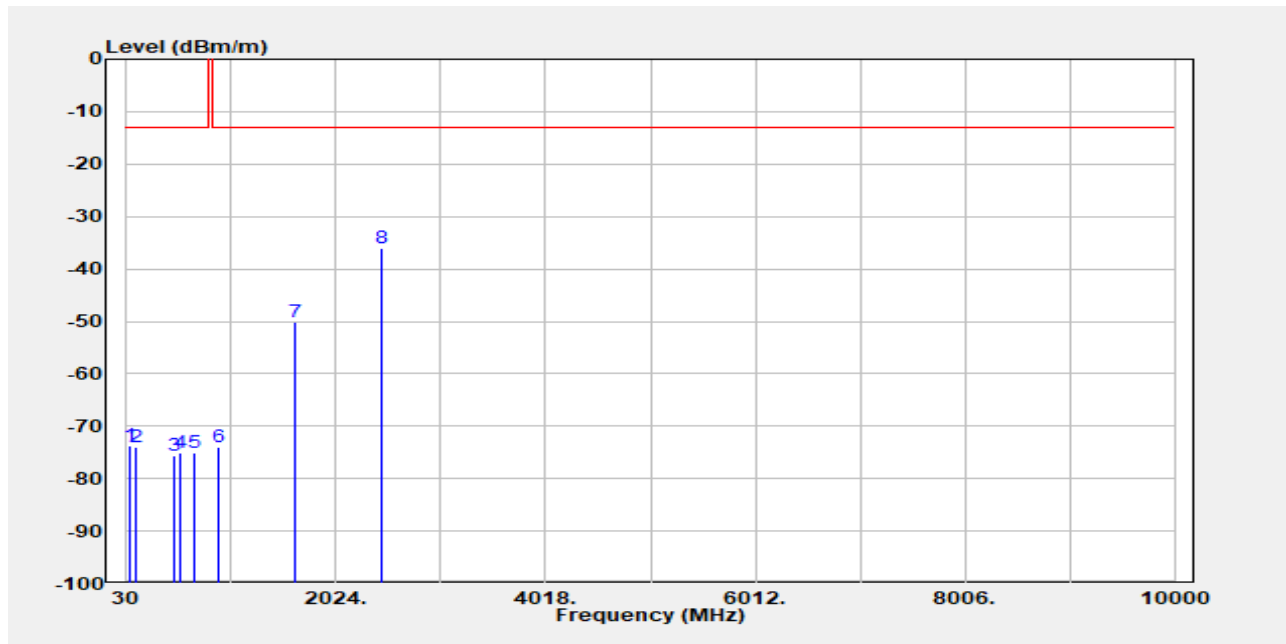
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-70.31	-75.01	6.36	-1.65	-13.00	-57.31
701.24	-70.24	-73.62	6.10	-2.72	-13.00	-57.24
715.79	-67.28	-70.59	6.11	-2.80	-13.00	-54.28
732.28	-69.39	-72.64	6.00	-2.75	-13.00	-56.39
788.54	-71.80	-75.00	5.87	-2.68	-13.00	-58.80
902.03	-70.00	-73.33	6.11	-2.78	-13.00	-57.00
1633.00	-51.02	-53.90	7.08	-4.21	-13.00	-38.02
2449.50	-37.49	-40.57	8.25	-5.16	-13.00	-24.49

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B26
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :816.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level	Gain	Loss	dBm	dB
		dBm	dBi/dBd	dB		
55.22	-73.62	-64.17	-8.67	-0.78	-13.00	-60.62
119.24	-73.91	-73.75	0.89	-1.04	-13.00	-60.91
479.11	-75.52	-79.79	6.41	-2.14	-13.00	-62.52
532.46	-74.94	-78.69	6.44	-2.69	-13.00	-61.94
679.90	-75.02	-78.41	6.26	-2.87	-13.00	-62.02
896.21	-74.08	-77.48	6.21	-2.82	-13.00	-61.08
1633.00	-50.04	-52.92	7.08	-4.21	-13.00	-37.04
2449.50	-36.02	-39.10	8.25	-5.16	-13.00	-23.02

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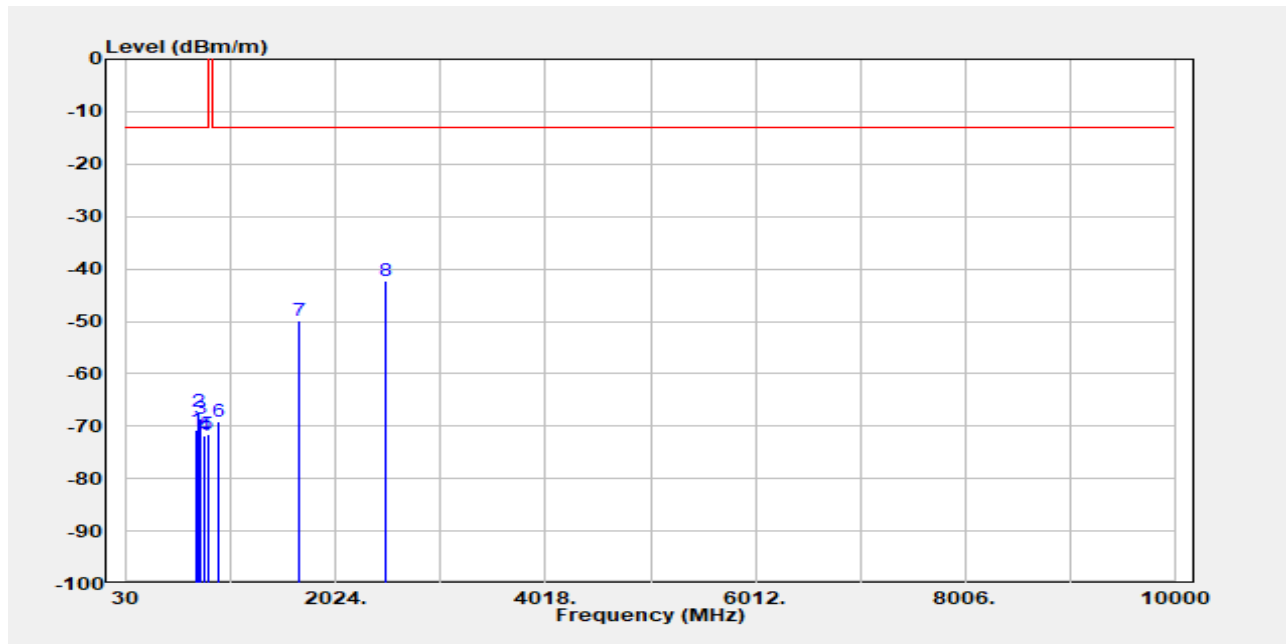
f (886-2) 2298-0488

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B26
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :831.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



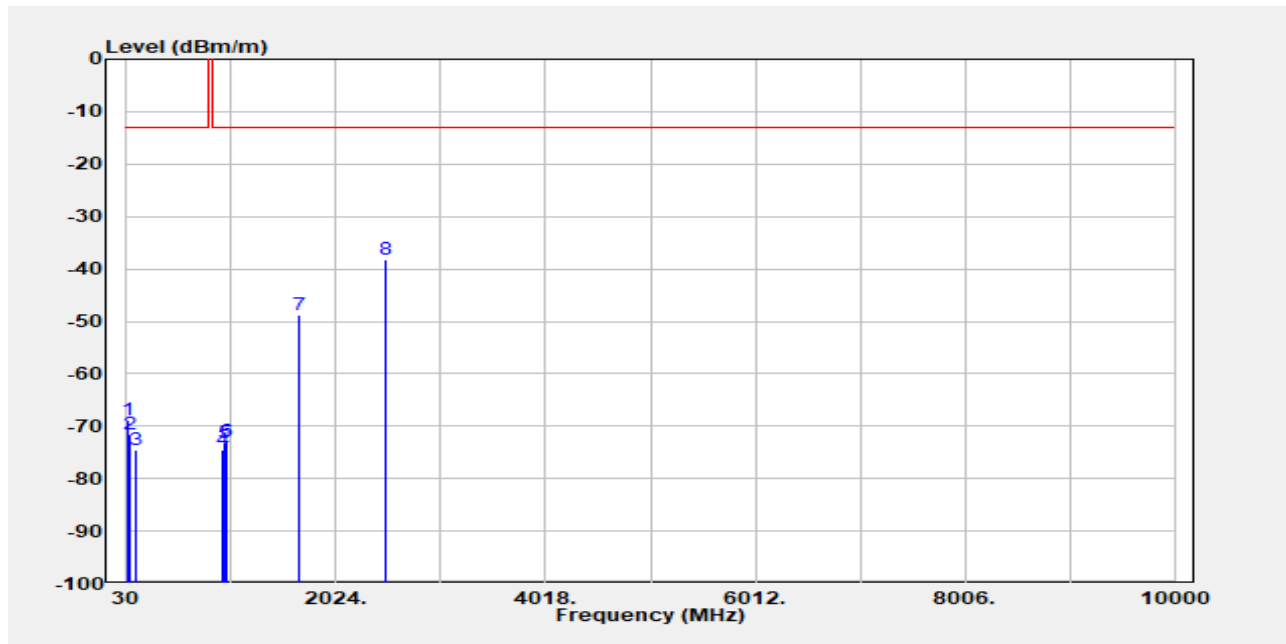
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
700.27	-70.72	-74.14	6.11	-2.69	-13.00	-57.72
715.79	-67.17	-70.48	6.11	-2.80	-13.00	-54.17
737.13	-68.61	-71.97	6.03	-2.68	-13.00	-55.61
765.26	-71.82	-75.07	5.68	-2.43	-13.00	-58.82
799.21	-71.46	-74.52	6.08	-3.02	-13.00	-58.46
896.21	-69.00	-72.40	6.21	-2.82	-13.00	-56.00
1663.00	-49.85	-52.84	7.26	-4.27	-13.00	-36.85
2494.50	-42.41	-45.61	8.43	-5.23	-13.00	-29.41

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B26
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :831.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



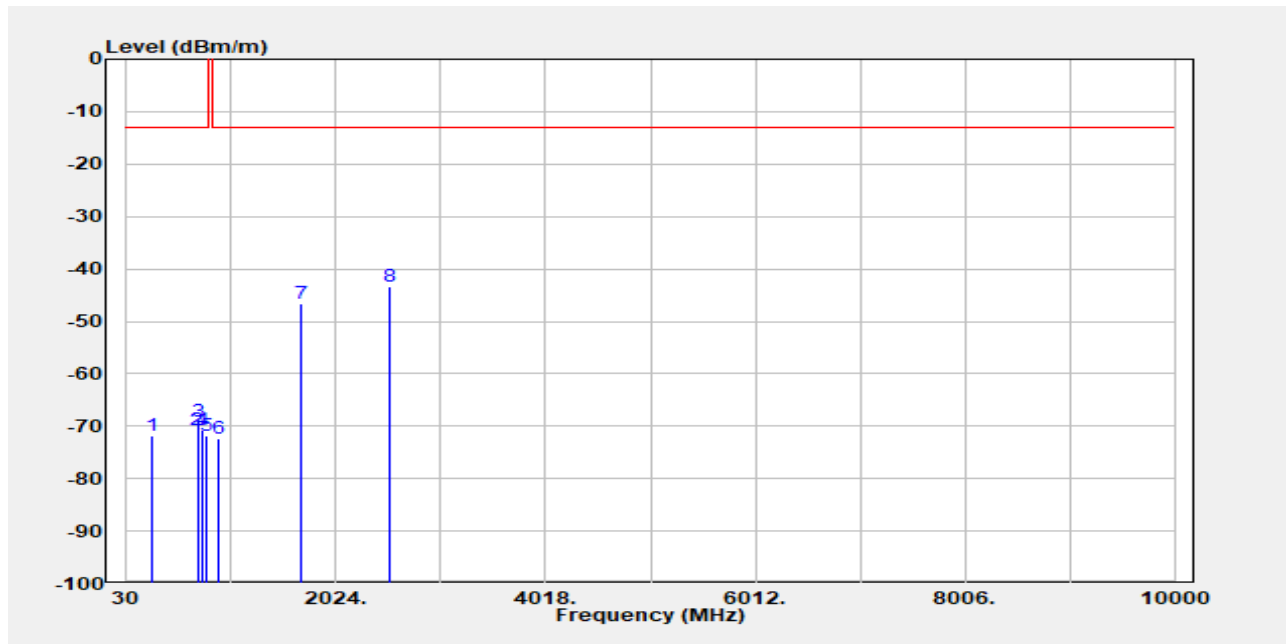
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
40.67	-68.85	-57.84	-10.30	-0.71	-13.00	-55.85
55.22	-71.64	-62.20	-8.67	-0.78	-13.00	-58.64
119.24	-74.57	-74.42	0.89	-1.04	-13.00	-61.57
935.98	-74.51	-77.39	5.90	-3.02	-13.00	-61.51
963.14	-73.15	-76.24	6.19	-3.09	-13.00	-60.15
985.45	-72.85	-75.67	6.27	-3.46	-13.00	-59.85
1663.00	-48.91	-51.90	7.26	-4.27	-13.00	-35.91
2494.50	-38.10	-41.30	8.43	-5.23	-13.00	-25.10

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B26
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :846.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



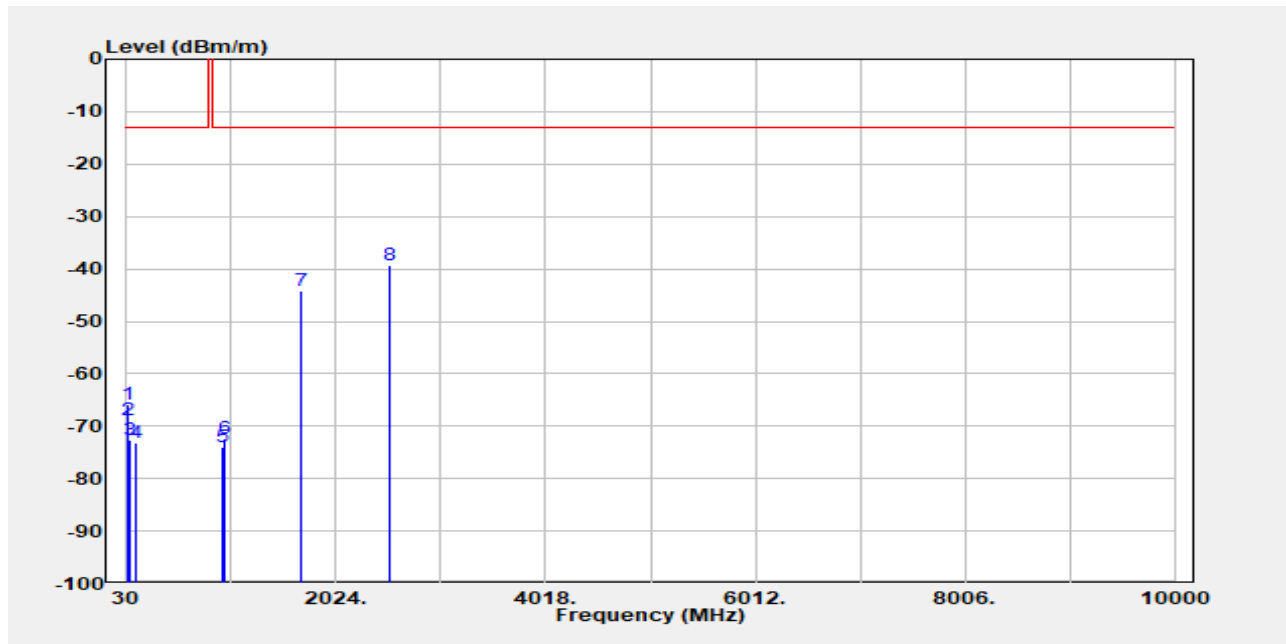
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-71.93	-76.63	6.36	-1.65	-13.00	-58.93
703.18	-70.69	-73.99	6.08	-2.79	-13.00	-57.69
715.79	-69.01	-72.32	6.11	-2.80	-13.00	-56.01
754.59	-70.67	-73.96	5.77	-2.48	-13.00	-57.67
796.30	-71.71	-74.91	6.11	-2.91	-13.00	-58.71
900.09	-72.46	-75.84	6.09	-2.71	-13.00	-59.46
1693.00	-46.57	-49.78	7.49	-4.28	-13.00	-33.57
2539.50	-43.41	-46.63	8.45	-5.22	-13.00	-30.41

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B26
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :846.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
35.82	-65.73	-54.34	-10.74	-0.65	-13.00	-52.73
39.70	-68.72	-57.53	-10.49	-0.70	-13.00	-55.72
55.22	-72.74	-63.30	-8.67	-0.78	-13.00	-59.74
124.09	-73.16	-73.05	0.97	-1.08	-13.00	-60.16
941.80	-73.97	-76.76	5.82	-3.03	-13.00	-60.97
967.02	-72.48	-75.60	6.22	-3.10	-13.00	-59.48
1693.00	-44.10	-47.32	7.49	-4.28	-13.00	-31.10
2539.50	-39.21	-42.44	8.45	-5.22	-13.00	-26.21

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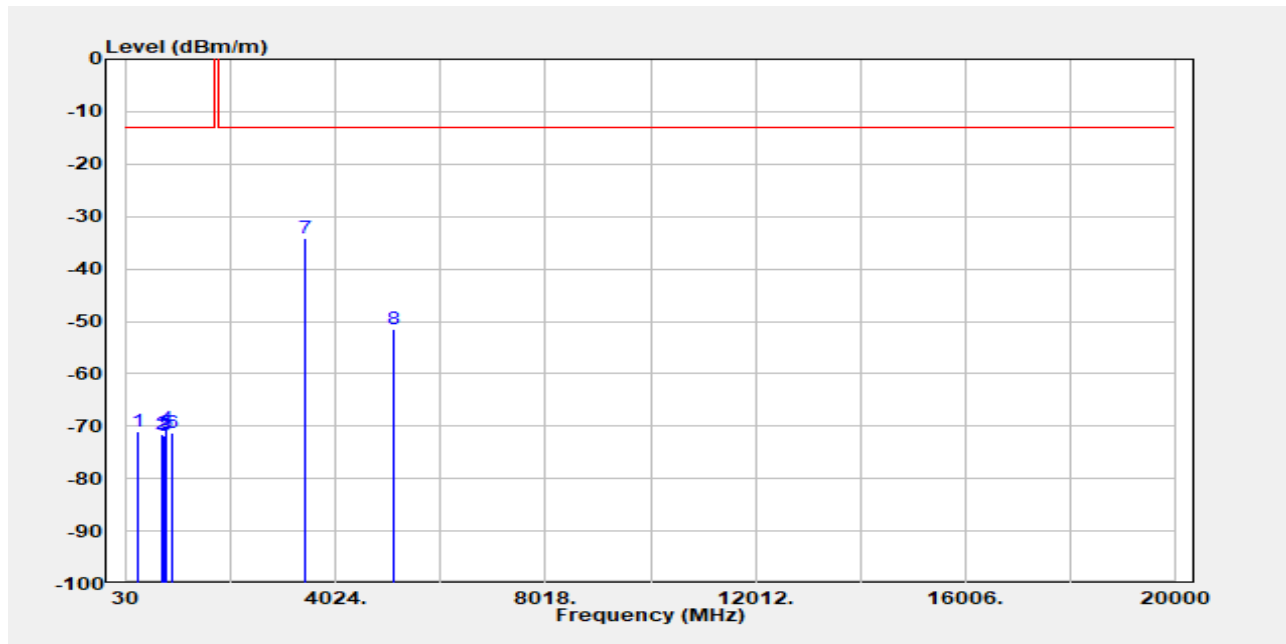
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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B66
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1712.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-71.09	-75.79	6.36	-1.65	-13.00	-58.09
719.67	-71.60	-75.09	6.16	-2.66	-13.00	-58.60
749.74	-71.82	-75.21	5.81	-2.43	-13.00	-58.82
783.69	-70.56	-73.74	5.89	-2.71	-13.00	-57.56
792.42	-71.39	-74.61	5.99	-2.76	-13.00	-58.39
896.21	-71.19	-74.58	6.21	-2.82	-13.00	-58.19
3425.00	-34.05	-40.17	12.50	-6.38	-13.00	-21.05
5137.50	-51.55	-55.71	12.18	-8.02	-13.00	-38.55

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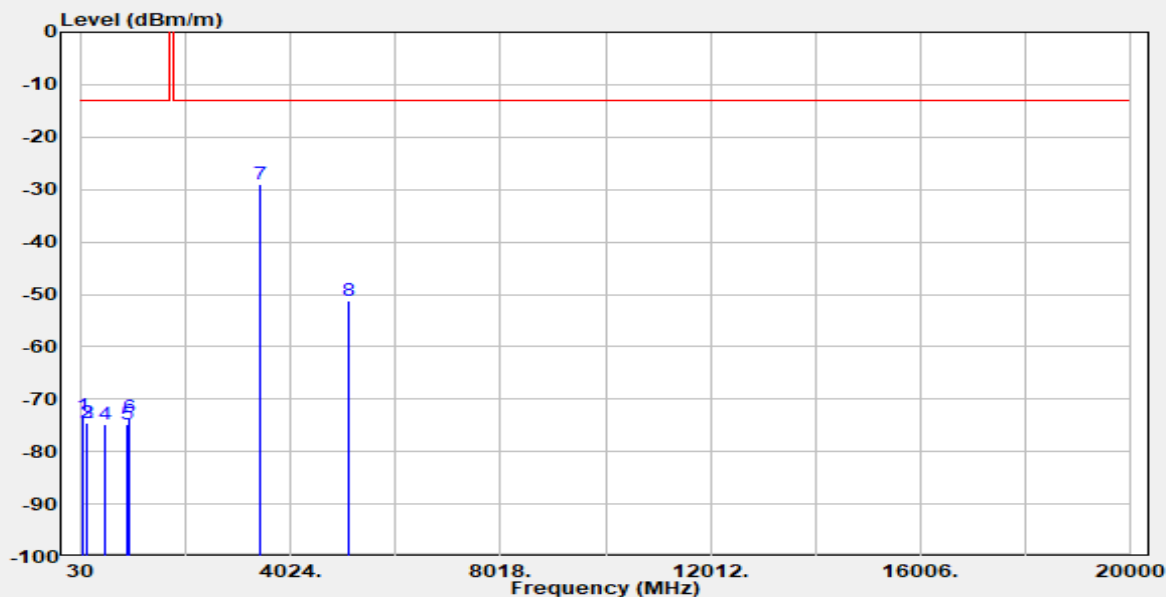
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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B66
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1712.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



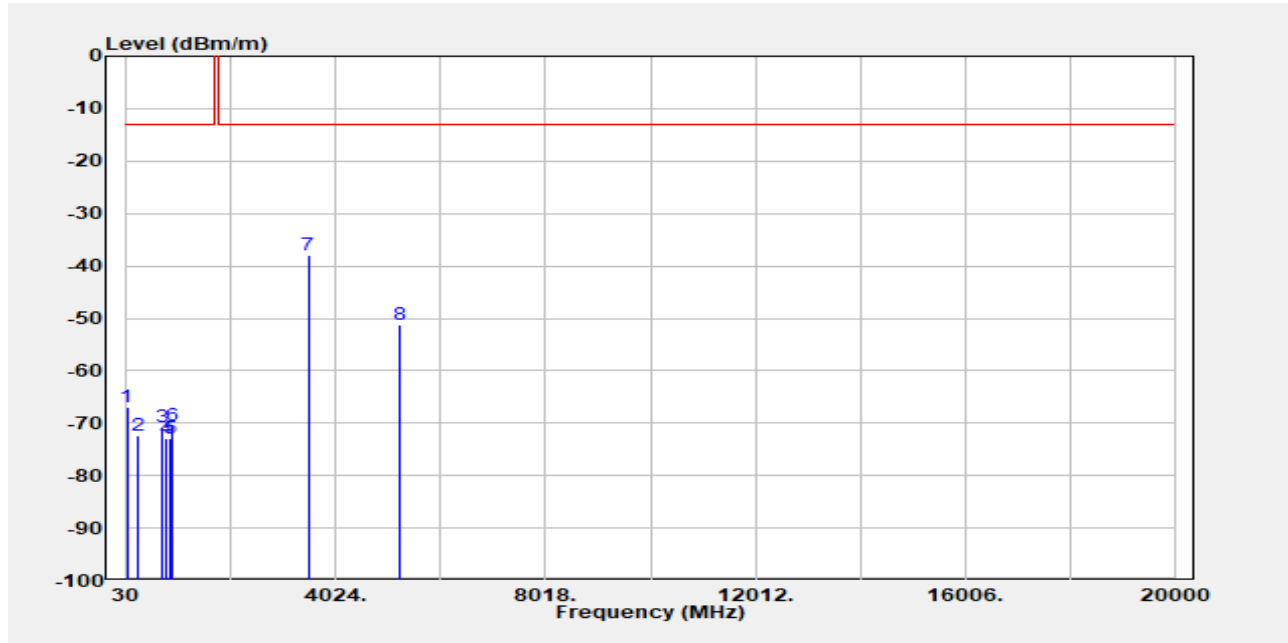
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-73.21	-63.77	-8.67	-0.78	-13.00	-60.21
125.06	-74.62	-74.38	0.85	-1.09	-13.00	-61.62
129.91	-74.60	-74.06	0.60	-1.14	-13.00	-61.60
469.41	-74.88	-79.01	6.33	-2.20	-13.00	-61.88
902.03	-74.66	-77.99	6.11	-2.78	-13.00	-61.66
946.65	-73.37	-76.41	5.93	-2.90	-13.00	-60.37
3425.00	-28.94	-35.06	12.50	-6.38	-13.00	-15.94
5137.50	-51.26	-55.42	12.18	-8.02	-13.00	-38.26

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B66
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :1745 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
33.88	-67.04	-55.10	-11.32	-0.62	-13.00	-54.04
263.77	-72.28	-76.98	6.36	-1.65	-13.00	-59.28
718.70	-70.60	-74.05	6.14	-2.70	-13.00	-57.60
801.15	-72.77	-75.82	6.08	-3.04	-13.00	-59.77
875.84	-72.93	-76.47	6.46	-2.92	-13.00	-59.93
896.21	-70.40	-73.80	6.21	-2.82	-13.00	-57.40
3490.00	-37.94	-44.03	12.42	-6.33	-13.00	-24.94
5235.00	-51.13	-55.90	12.81	-8.04	-13.00	-38.13

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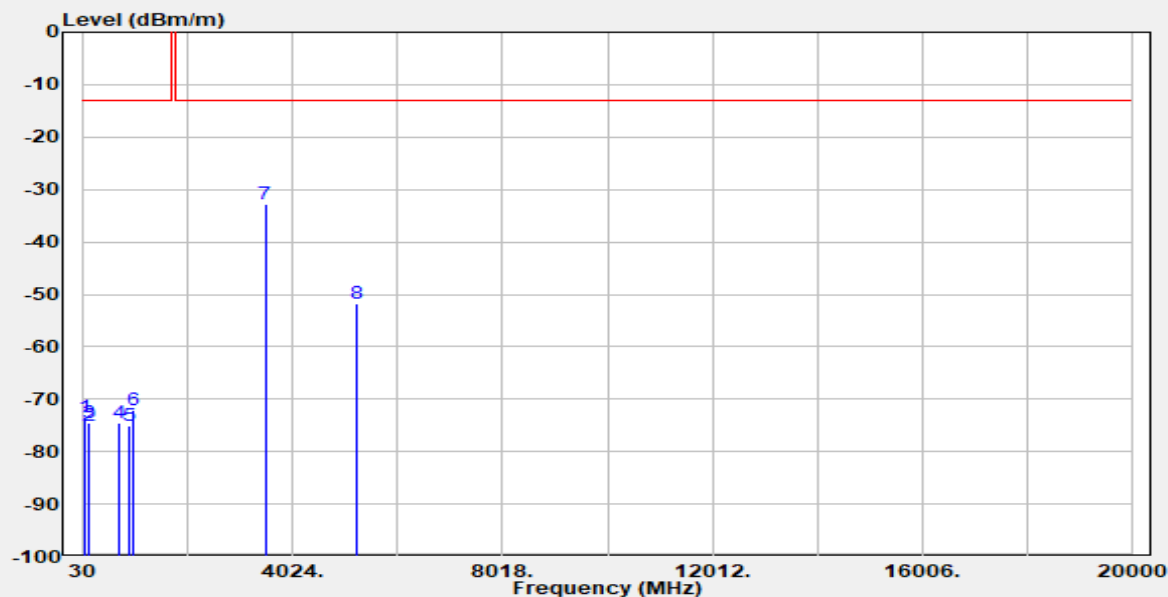
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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B66
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1745 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



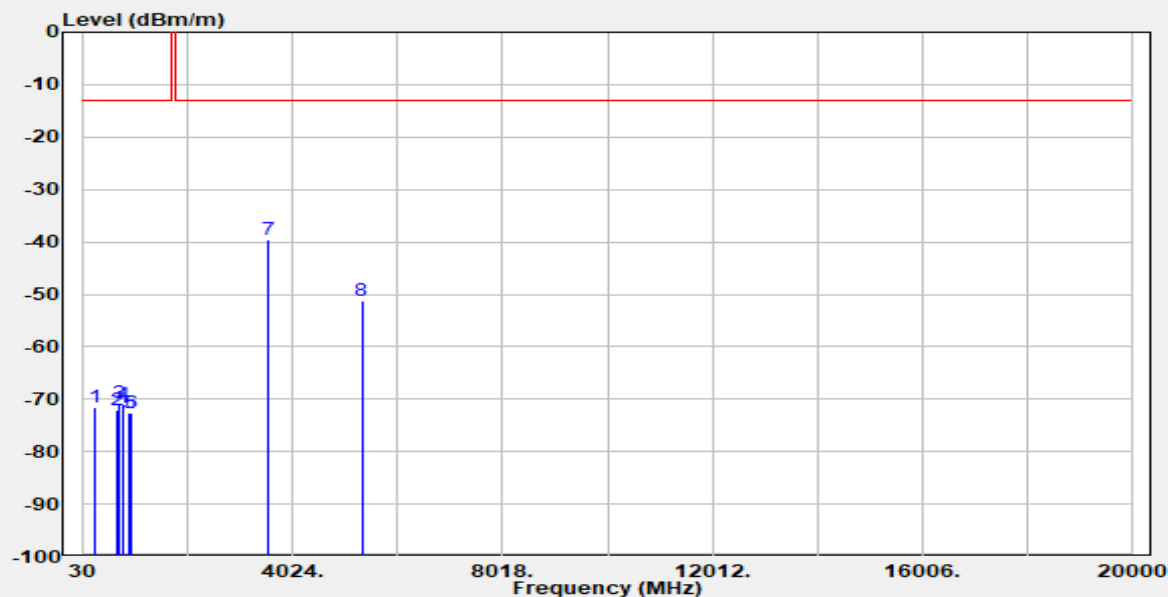
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
55.22	-73.50	-64.05	-8.67	-0.78	-13.00	-60.50
113.42	-75.18	-75.02	0.90	-1.06	-13.00	-62.18
121.18	-74.52	-74.42	0.95	-1.05	-13.00	-61.52
716.76	-74.41	-77.76	6.12	-2.77	-13.00	-61.41
896.21	-75.02	-78.41	6.21	-2.82	-13.00	-62.02
970.90	-72.16	-75.28	6.26	-3.14	-13.00	-59.16
3490.00	-32.78	-38.87	12.42	-6.33	-13.00	-19.78
5235.00	-51.84	-56.61	12.81	-8.04	-13.00	-38.84

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Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B66
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1777.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
263.77	-71.45	-76.15	6.36	-1.65	-13.00	-58.45
677.96	-72.10	-75.36	6.19	-2.93	-13.00	-59.10
715.79	-70.80	-74.11	6.11	-2.80	-13.00	-57.80
795.33	-71.04	-74.28	6.12	-2.87	-13.00	-58.04
888.45	-72.58	-76.04	6.42	-2.95	-13.00	-59.58
918.52	-72.50	-75.68	6.10	-2.92	-13.00	-59.50
3555.00	-39.47	-45.07	12.21	-6.61	-13.00	-26.47
5332.50	-51.09	-56.16	13.17	-8.09	-13.00	-38.09

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t (886-2) 2299-3279

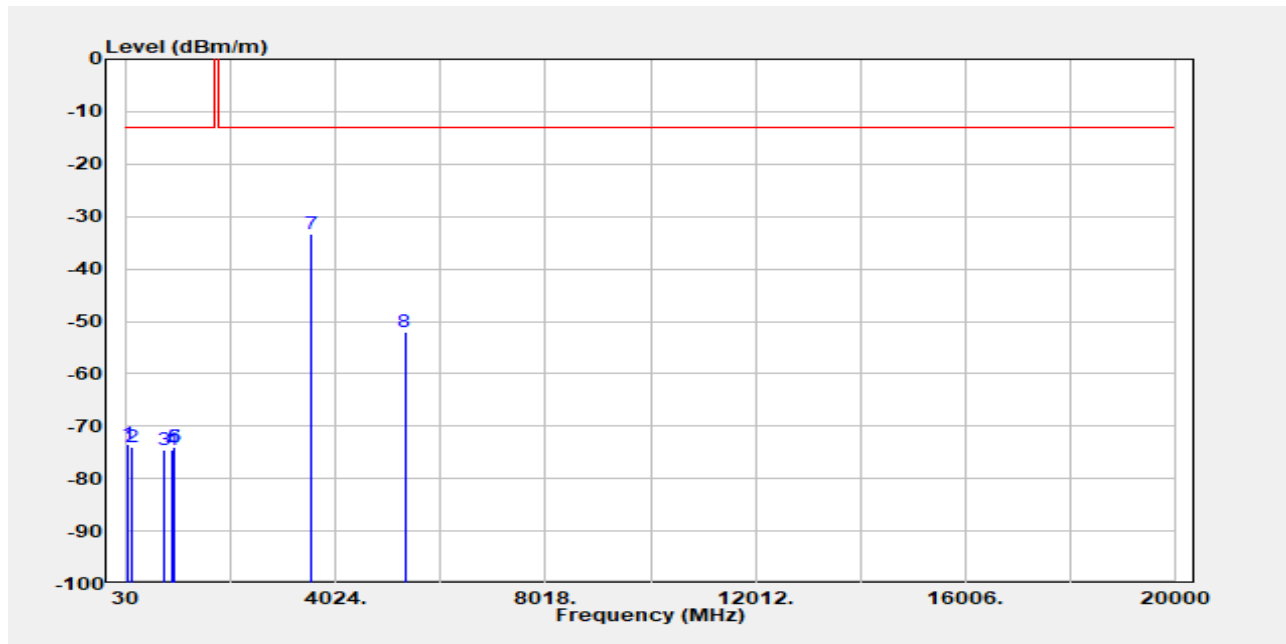
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2212002666ER
 Operation Mode :CAT-M1 B66
 Test Mode :Tx
 EUT Pol :NB Plane
 Test Frequency :1777.5 MHz

Test Site :SAC 1
 Test Date :2023-01-10
 Temp./Humi. :22.1/63
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-73.56	-63.85	-8.95	-0.77	-13.00	-60.56
126.03	-74.11	-73.83	0.82	-1.10	-13.00	-61.11
736.16	-74.65	-78.04	6.08	-2.69	-13.00	-61.65
888.45	-74.48	-77.94	6.42	-2.95	-13.00	-61.48
936.95	-73.94	-76.77	5.87	-3.03	-13.00	-60.94
945.68	-73.93	-76.93	5.93	-2.93	-13.00	-60.93
3555.00	-33.35	-38.94	12.21	-6.61	-13.00	-20.35
5332.50	-52.09	-57.16	13.17	-8.09	-13.00	-39.09

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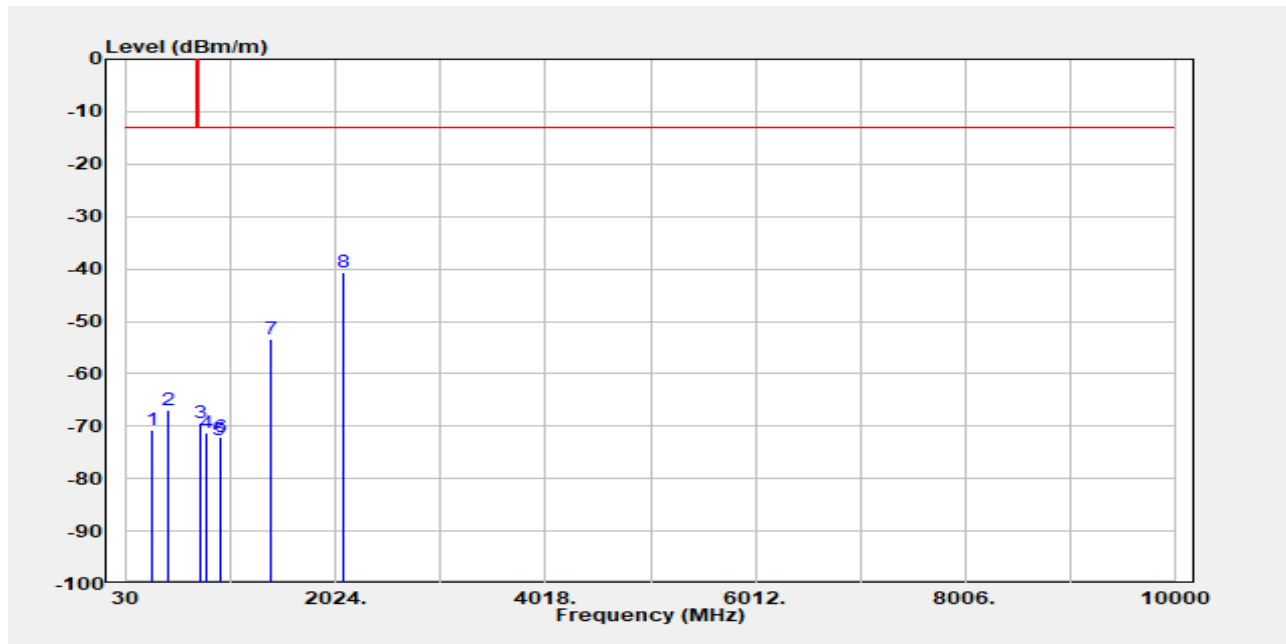
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B85
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :700.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-70.84	-75.54	6.36	-1.65	-13.00	-57.84
429.64	-66.89	-71.33	6.28	-1.84	-13.00	-53.89
730.34	-69.39	-72.50	5.90	-2.78	-13.00	-56.39
796.30	-71.17	-74.37	6.11	-2.91	-13.00	-58.17
913.67	-72.58	-75.69	6.10	-2.99	-13.00	-59.58
919.49	-72.03	-75.22	6.10	-2.91	-13.00	-59.03
1401.00	-53.40	-55.01	5.45	-3.84	-13.00	-40.40
2101.50	-40.53	-43.52	7.73	-4.74	-13.00	-27.53

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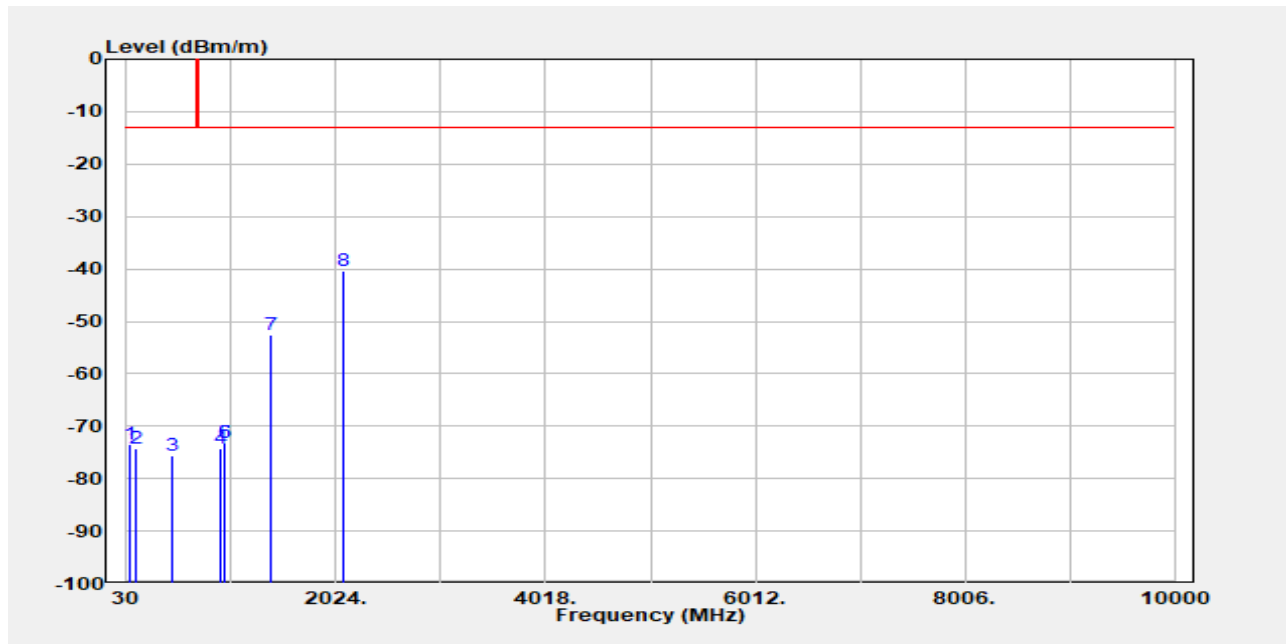
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B85
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :700.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
54.25	-73.42	-63.70	-8.95	-0.77	-13.00	-60.42
124.09	-74.12	-74.01	0.97	-1.08	-13.00	-61.12
470.38	-75.59	-79.74	6.35	-2.20	-13.00	-62.59
921.43	-74.30	-77.47	6.07	-2.90	-13.00	-61.30
958.29	-73.26	-76.29	6.07	-3.04	-13.00	-60.26
965.08	-73.07	-76.18	6.20	-3.10	-13.00	-60.07
1401.00	-52.47	-54.08	5.45	-3.84	-13.00	-39.47
2101.50	-40.35	-43.34	7.73	-4.74	-13.00	-27.35

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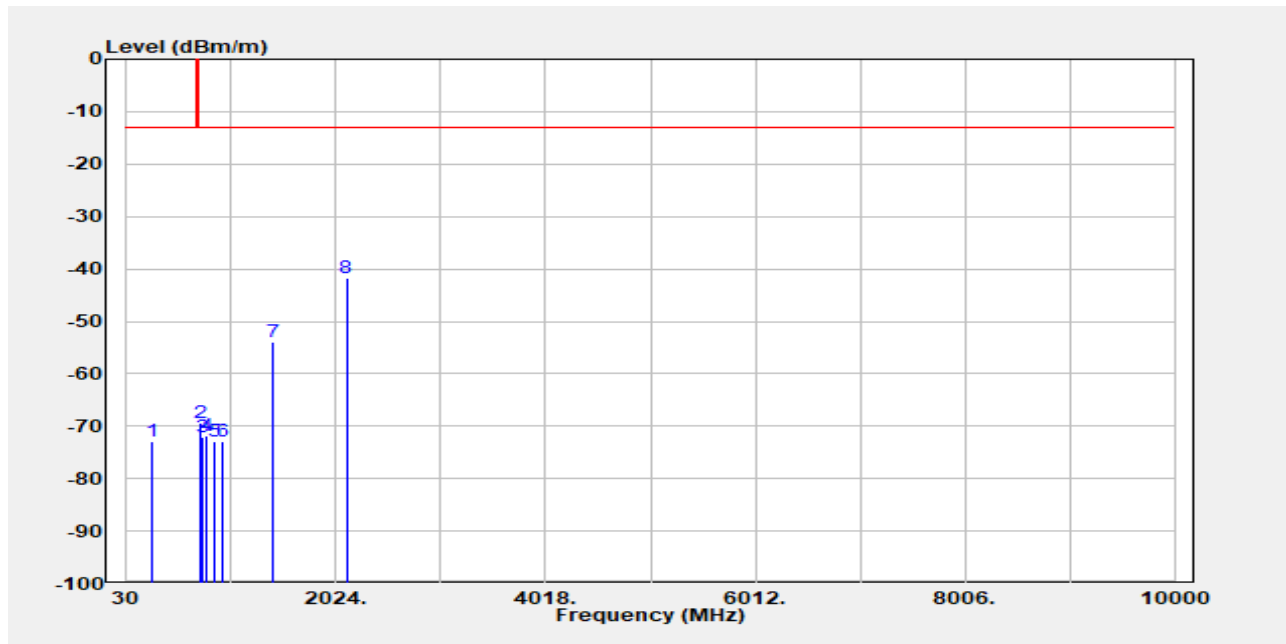
f (886-2) 2298-0488

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B85
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :707 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



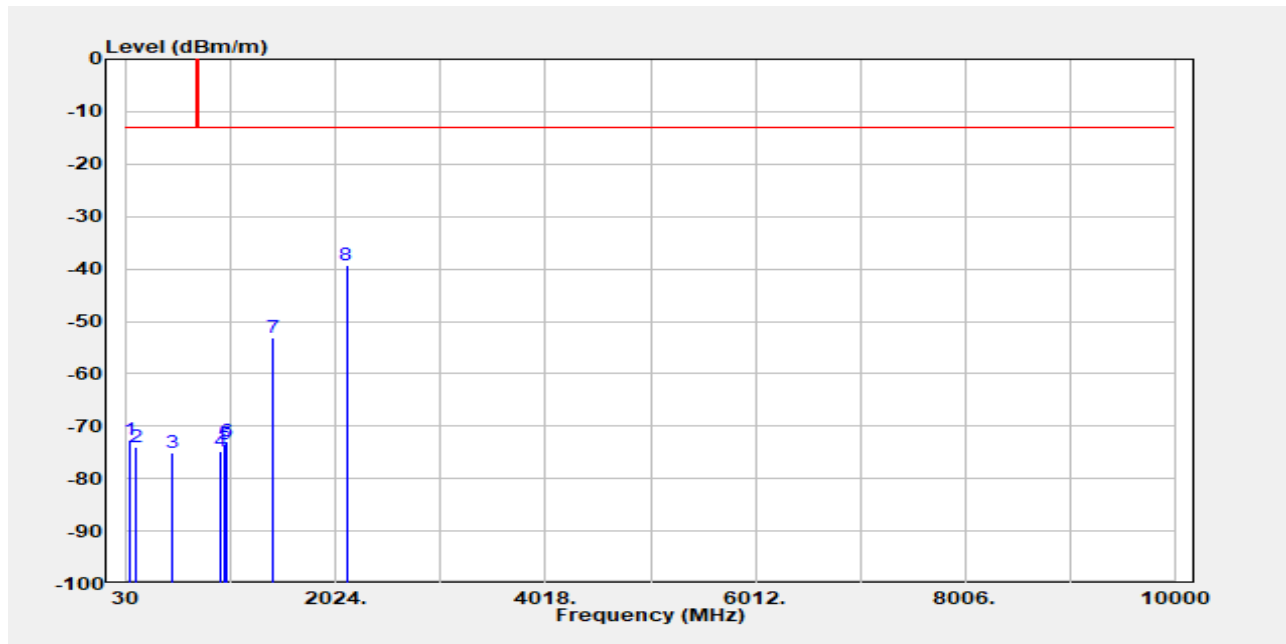
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-72.77	-77.47	6.36	-1.65	-13.00	-59.77
731.31	-69.41	-72.59	5.95	-2.77	-13.00	-56.41
753.62	-72.01	-75.32	5.78	-2.47	-13.00	-59.01
793.39	-71.93	-75.16	6.04	-2.80	-13.00	-58.93
869.05	-72.95	-76.05	6.27	-3.17	-13.00	-59.95
937.92	-72.91	-75.70	5.84	-3.05	-13.00	-59.91
1414.00	-53.99	-55.63	5.51	-3.86	-13.00	-40.99
2121.00	-41.85	-44.62	7.54	-4.77	-13.00	-28.85

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B85
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :707 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



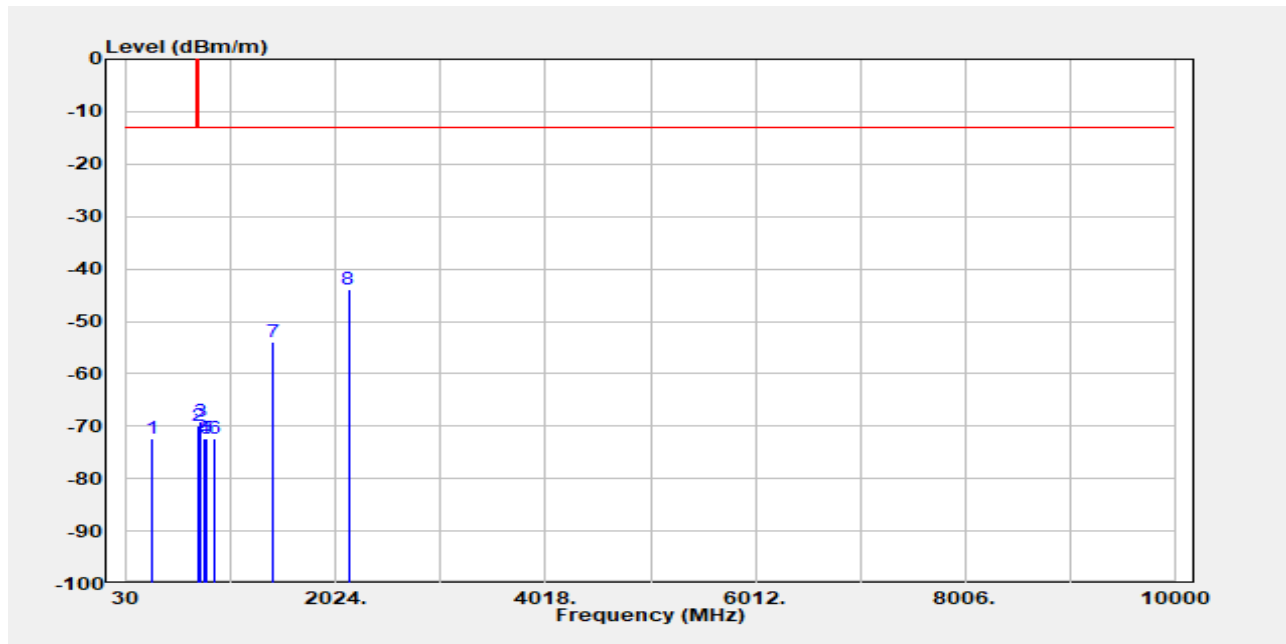
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-72.70	-63.25	-8.67	-0.78	-13.00	-59.70
122.15	-73.93	-73.70	0.84	-1.06	-13.00	-60.93
470.38	-74.98	-79.13	6.35	-2.20	-13.00	-61.98
927.25	-74.84	-77.88	5.96	-2.92	-13.00	-61.84
960.23	-73.46	-76.54	6.16	-3.09	-13.00	-60.46
981.57	-72.94	-75.65	6.25	-3.53	-13.00	-59.94
1414.00	-53.25	-54.90	5.51	-3.86	-13.00	-40.25
2121.00	-39.23	-42.00	7.54	-4.77	-13.00	-26.23

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B85
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :713.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Vertical
Engineer :GN Lin



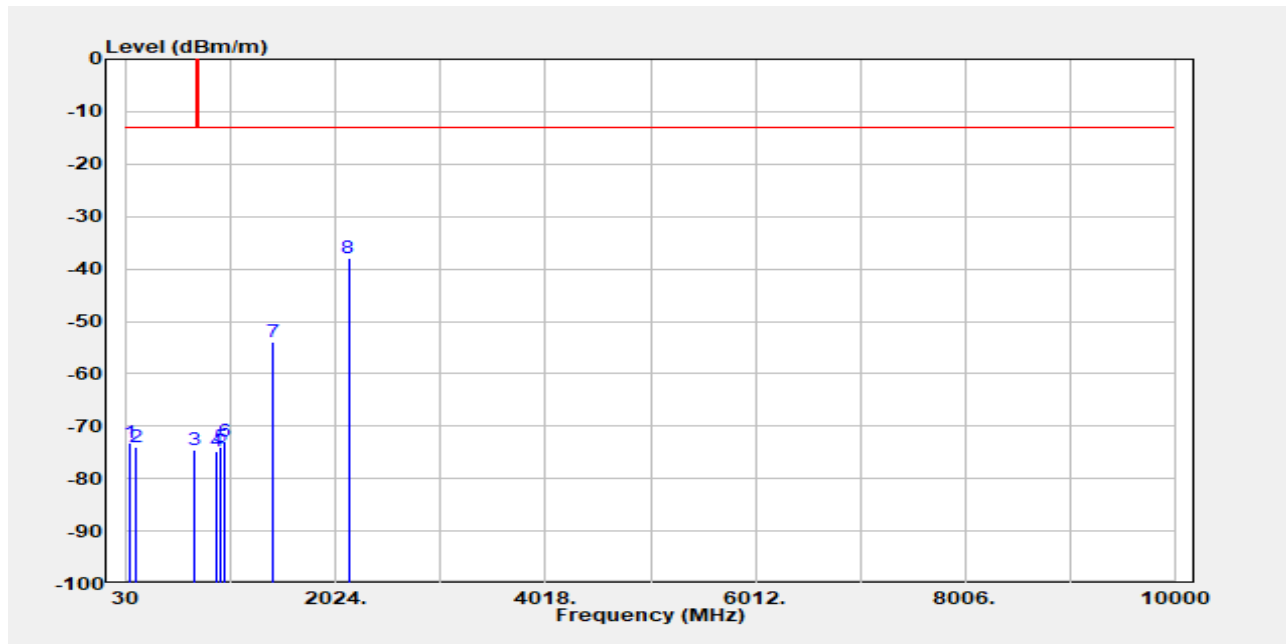
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
263.77	-72.36	-77.06	6.36	-1.65	-13.00	-59.36
717.73	-69.79	-73.19	6.13	-2.73	-13.00	-56.79
725.49	-69.21	-72.40	5.92	-2.73	-13.00	-56.21
763.32	-72.29	-75.52	5.70	-2.47	-13.00	-59.29
783.69	-72.32	-75.51	5.89	-2.71	-13.00	-59.32
874.87	-72.23	-75.72	6.45	-2.96	-13.00	-59.23
1427.00	-53.96	-55.64	5.56	-3.88	-13.00	-40.96
2140.50	-43.81	-46.37	7.34	-4.79	-13.00	-30.81

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Report Number :TERF2212002666ER
Operation Mode :CAT-M1 B85
Test Mode :Tx
EUT Pol :NB Plane
Test Frequency :713.5 MHz

Test Site :SAC 1
Test Date :2023-01-10
Temp./Humi. :22.1/63
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
54.25	-73.04	-63.32	-8.95	-0.77	-13.00	-60.04
124.09	-73.89	-73.78	0.97	-1.08	-13.00	-60.89
680.87	-74.48	-77.86	6.25	-2.88	-13.00	-61.48
890.39	-74.77	-78.18	6.39	-2.98	-13.00	-61.77
930.16	-73.98	-76.93	5.88	-2.93	-13.00	-60.98
964.11	-72.78	-75.88	6.19	-3.09	-13.00	-59.78
1427.00	-53.96	-55.64	5.56	-3.88	-13.00	-40.96
2140.50	-37.81	-40.37	7.34	-4.79	-13.00	-24.81

~ End of Report ~

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