

ELECTROMAGNETIC EMISSIONS CLASS II & IV PERMISSIVE CHANGE REPORT



Applicant: CASTLES TECHNOLOGY CO., LTD.
6F, NO. 207-5, SEC. 3, BEIXIN RD., XINDIAN DISTRICT,
NEW TAIPEI CITY 23143, TAIWAN (R.O.C)

Manufacturer: CASTLES TECHNOLOGY CO., LTD.
6F, NO. 207-5, SEC. 3, BEIXIN RD., XINDIAN DISTRICT,
NEW TAIPEI CITY 23143, TAIWAN (R.O.C)

Product Name: SLM758

Brand Name:  CASTLES TECHNOLOGY

Model No.: SLM758

Model Difference: N/A

Report Number: TERF2207001187ER

FCC ID WIYSLM758A

IC: 27350-SLM758A

Issue Date: Oct. 19, 2022

Date of Test: Sep. 07, 2022~Sep. 08, 2022

Date of EUT Received: Jul. 19, 2022

Approved By



Jim Chang

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27C and ISSED RSS-Gen, 130, 132, 133, 139, 199.

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
TERF2207001187ER	00	Original.	Oct. 19, 2022	Yi-Shan Tsai	

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:	SLM758
Brand Name:	 CASTLES TECHNOLOGY
Model No.:	SLM758
Model Difference:	N/A
Hardware Version:	V3.00
Firmware Version:	N/A
EUT Series No.:	166222201801
Product Name of Host:	POS Terminal
Brand Name of Host:	 CASTLES TECHNOLOGY
Model No. of Host:	S1E2-L
Power Supply:	Battery 3.75Vdc Adapter 5Vdc
Test Software (Name/Version)	Default

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1.2 Antenna Designation

Antenna Type	Antenna Model No.
PIFA	Ant0
Note: Transmission frequencies in this test report are only available by the above antenna(s).	

Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
		Ant0
LTE-Band 2	1850 ~ 1910	2.088
LTE-Band 4	1710 ~ 1755	3.131
LTE-Band 5	824 ~ 849	-0.372
LTE-Band 7	2500 ~ 2570	2.321
LTE-Band 12	699 ~ 716	-6.541
LTE-Band 13	777 ~ 787	-1.328
LTE-Band 17	704 ~ 716	-6.541

Note: Antenna information is provided by the applicant.

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1.3 Test Methodology of Applied Standards

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

ISED RSS-130 Issue 2 Feb. 2019,

ISED RSS-132 Issue 3 Jan. 2013

ISED RSS-133 Issue 6, Amendment 1 Jan. 18, 2018, ISED RSS-139 Issue 3 July 16, 2015

ISED RSS-199 Issue 3 Dec. 2016

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB412172 D01 Determining ERP and EIRP v01r01

1.4 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 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.				

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

1.5 Special Accessories

No special accessories were used during testing.

1.6 Equipment Modifications

There was no modifications incorporated into the EUT.

1.7 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 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.

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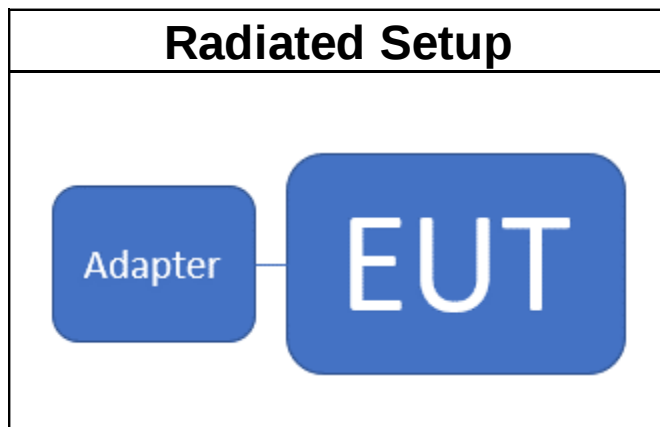
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2.4 Test Configuration



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

2.5 Control Unit(s)

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Test Software	Audix	e3	Ver. 9.210322	N.C.R	N.C.R
Adapter	LUCENT TRANS	3A52-UB52A	N/A	N/A	N/A

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

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3 SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§2.1053 §22.917(a) §24.238(a) §27.53(c)(2),(4) §27.50(c)(5) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4)	RSS-GEN §6.13 RSS-130 §4.7 RSS-132 §5.5 RSS-133 §6.5 RSS-139 §6.6 RSS-199 §4.5	Field Strength of Spurious Radiation	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
3. 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 Measurement Configuration

Band	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	
				RBs allocated	RB Start
2	Low, Mid, High	20	QPSK	1	0
4	Low, Mid, High	20	QPSK	1	0
5	Low, Mid, High	10	QPSK	1	0
7	Low, Mid, High	20	QPSK	1	0
12	Low, Mid, High	10	QPSK	1	0
13	Mid	10	QPSK	1	0
17	Low, Mid, High	10	QPSK	1	0

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5 MEASUREMENT UNCERTAINTY

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	2.57 dB	9kHz~30MHz
	+/-	4.85 dB	30MHz - 1000MHz
	+/-	4.45 dB	1GHz - 18GHz
	+/-	4.24 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	2.57 dB	9kHz~30MHz
	+/-	4.37 dB	30MHz - 1000MHz
	+/-	4.45 dB	1GHz - 18GHz
	+/-	4.24 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 Radiated Measurement

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWARZBECK	VULB9168	300	10/19/2021	10/18/2022
Horn Antenna	SCHWARZBECK	BBHA9120D	D803	12/20/2021	12/19/2022
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/03/2022	01/02/2023
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/16/2022	05/15/2023
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/16/2021	12/15/2022
Horn Antenna	SCHWARZBECK	BBHA9170	185	08/22/2022	08/21/2023
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/26/2021	10/25/2022
Signal Generator	R&S	SMBV100A	263084	01/11/2022	01/10/2023
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/18/2022	01/17/2023
Site Cal	SGS	SAC 1	N/A	01/01/2022	12/31/2022
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2021	10/26/2022
Pre-Amplifier	HP	8449B	3008A01973	12/16/2021	12/15/2022
Pre-Amplifier	HP	8447D	2944A09469	12/16/2021	12/15/2022
Bandreject Filter 635-920	Micro-Tronics	WI	4	12/14/2021	12/13/2022
Bandreject Filter 1700-2000	Micro-Tronics	EWT	M3	12/14/2021	12/13/2022
Bandreject Filter 2240-2700	Micro-Tronics	WI	2	12/14/2021	12/13/2022
1GHz High Pass Filter	Micro-Tronics	HPM50108	32	12/14/2021	12/13/2022
3.2GHz High Pass Filter	WI	WHKX10-2624-80SS	3	12/14/2021	12/13/2022
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 104	160125	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 106	76096/6	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 102	SN 520430/2	12/16/2021	12/15/2022

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7 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

7.1 Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h)

RSS-130 §4.7, RSS-132 §5.5, RSS-133 §6.5.1, RSS-139 §6.6, RSS-199 §4.5

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) for LTE B12

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 §27.53(h)(1) for LTE B4

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

FCC §27.53(m) (4) (6) for LTE B7

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2

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percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

RSS-199 §4.5 for LTE B7

In the 1 MHz band immediately outside and adjacent to the channel edge, the unwanted emission power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth for base station and fixed subscriber equipment, and 2% for mobile subscriber equipment. Beyond the 1 MHz band, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% or 2% of the occupied bandwidth, as applicable.

Equipment shall comply with the following unwanted emission limits:

for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:

$40 + 10 \log_{10} p$ from the channel edges to 5 MHz away

$43 + 10 \log_{10} p$ between 5 MHz and X MHz from the channel edges, and

$55 + 10 \log_{10} p$ at X MHz and beyond from the channel edges

In addition, the attenuation shall not be less than $43 + 10 \log_{10} p$ on all frequencies between 2490.5 MHz and 2496 MHz, and $55 + 10 \log_{10} p$ at or below 2490.5 MHz.

In (a) and (b), p is the transmitter power measured in watts and X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

RSS-130 §4.7.1 for LTE B12, 13

Compliance for operations in the 617-652 MHz, 663-698 MHz, 698-756 MHz and the 777-787 MHz band, the unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

RSS-130 §4.7.2 for LTE B13

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

$76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment and

$65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment

the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

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RSS-132 §5.5 for LTE B5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- i. In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).
- ii. After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

RSS-133 §6.5.1 for LTE B2

Equipment shall comply with the limits in (i) and (ii) below.

- i. In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).
- ii. After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

RSS-139 §6.6 for LTE B4

In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block, Footnote 2 which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.

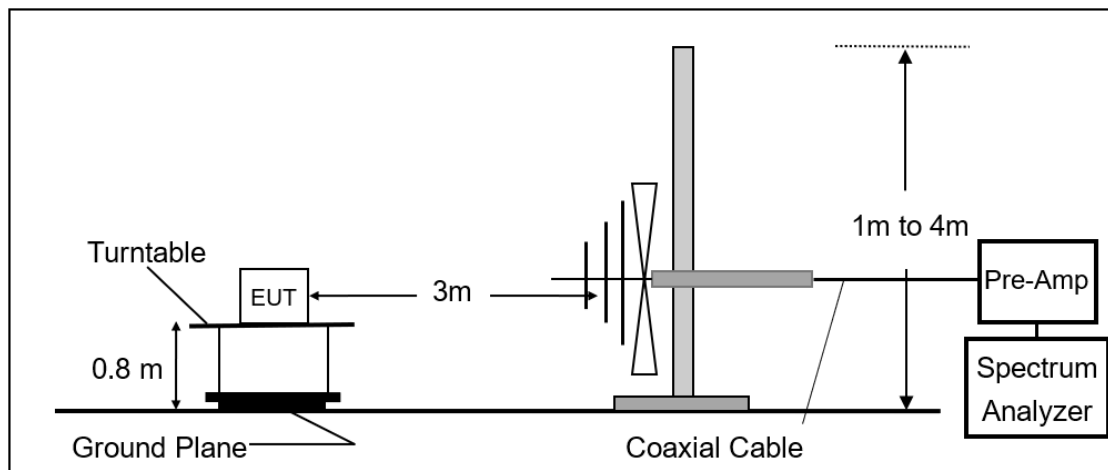
After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.

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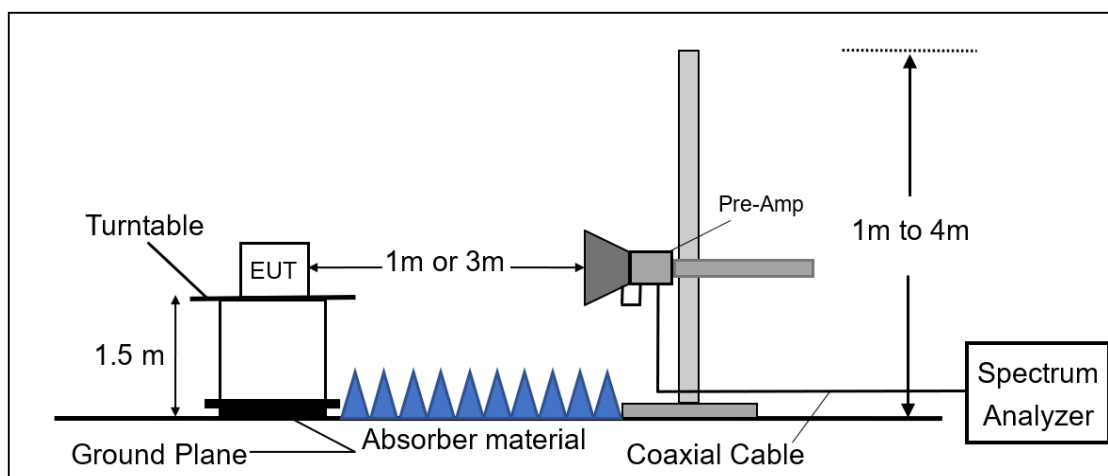
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7.2 EUT Setup

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



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



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7.3 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.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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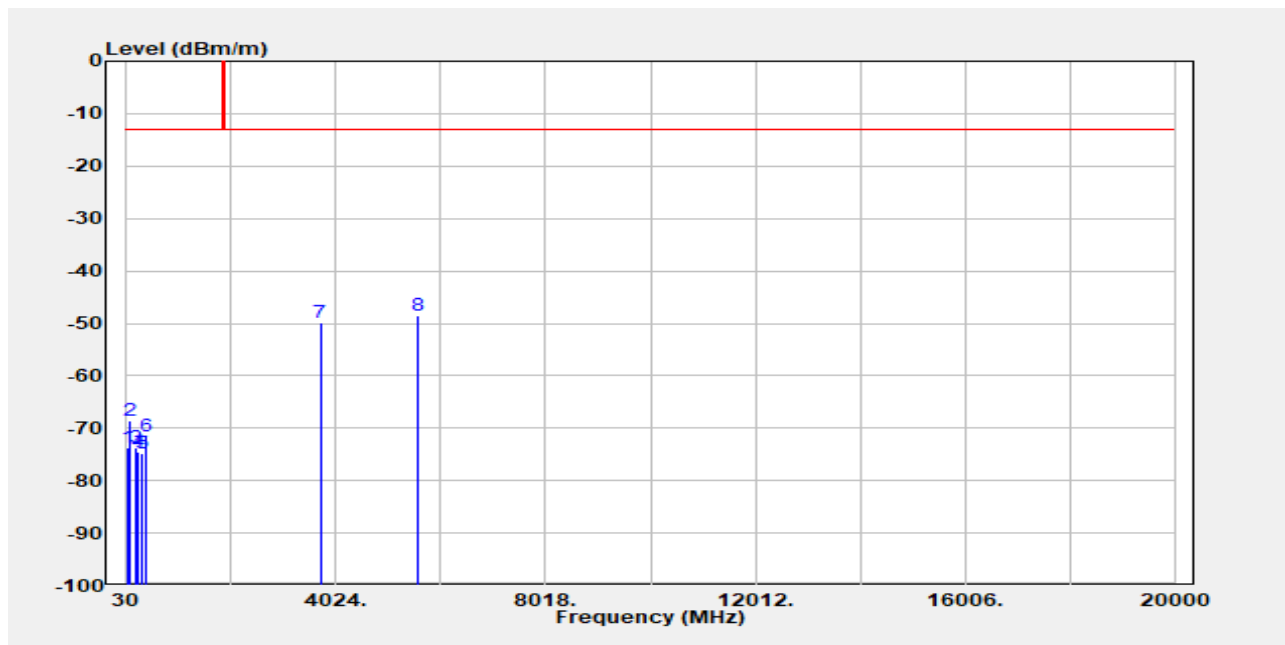
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7.4 Measurement Result:

Report Number :TERF2207001187ER
Operation Mode :LTE B2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1860 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-73.62	-66.47	-6.36	-0.79	-13.00	-60.62
98.87	-68.63	-69.35	1.74	-1.02	-13.00	-55.63
201.69	-73.82	-78.94	6.58	-1.47	-13.00	-60.82
237.58	-74.46	-79.36	6.53	-1.63	-13.00	-61.46
311.30	-74.69	-79.23	6.33	-1.79	-13.00	-61.69
394.72	-71.57	-76.00	6.56	-2.13	-13.00	-58.57
3720.00	-49.95	-58.05	12.56	-6.45	-13.00	-36.95
5580.00	-48.55	-55.14	13.00	-8.42	-13.00	-35.55

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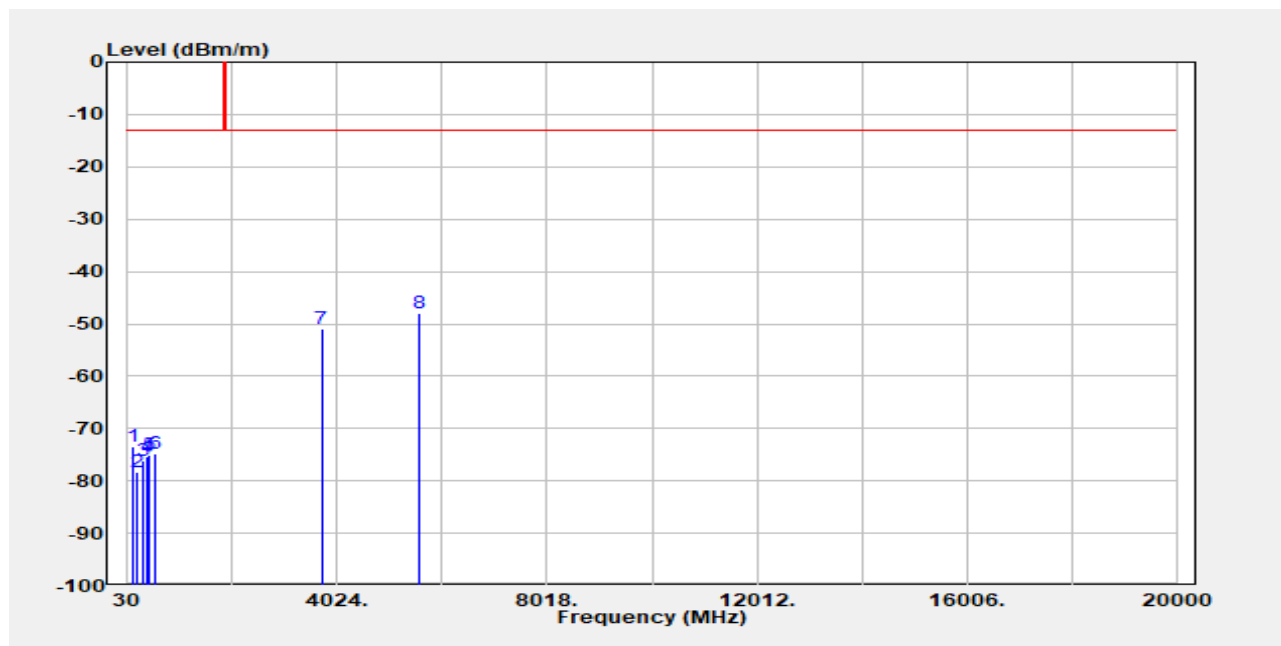
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Report Number :TERF2207001187ER
 Operation Mode :LTE B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1860 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
119.24	-73.37	-72.88	0.65	-1.14	-13.00	-60.37
201.69	-78.39	-83.50	6.58	-1.47	-13.00	-65.39
307.42	-76.27	-80.78	6.33	-1.82	-13.00	-63.27
387.93	-75.34	-79.91	6.64	-2.07	-13.00	-62.34
430.61	-74.97	-79.30	6.39	-2.06	-13.00	-61.97
567.38	-74.78	-78.59	6.50	-2.69	-13.00	-61.78
3720.00	-51.02	-59.12	12.56	-6.45	-13.00	-38.02
5580.00	-48.06	-54.64	13.00	-8.42	-13.00	-35.06

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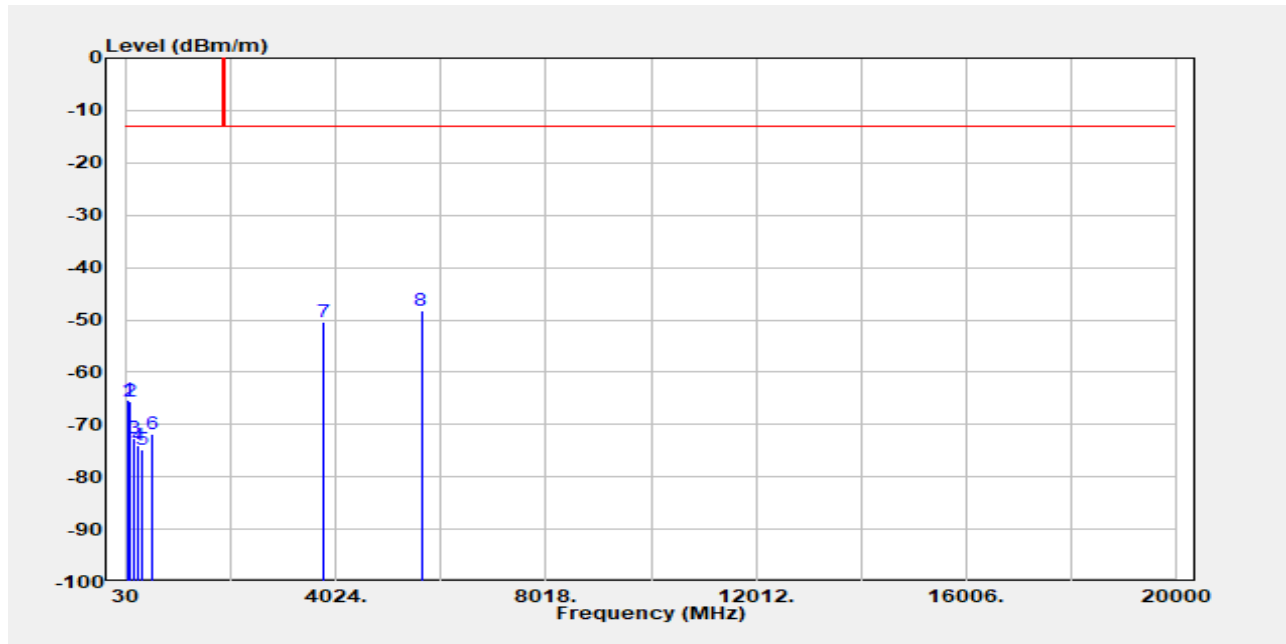
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Report Number :TERF2207001187ER
 Operation Mode :LTE B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1880 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.28	-65.39	-55.99	-8.69	-0.72	-13.00	-52.39
99.84	-65.59	-66.30	1.73	-1.02	-13.00	-52.59
182.29	-72.62	-75.31	4.10	-1.41	-13.00	-59.62
231.76	-74.06	-79.44	6.98	-1.60	-13.00	-61.06
318.09	-74.78	-79.37	6.31	-1.72	-13.00	-61.78
518.88	-71.80	-75.96	6.45	-2.28	-13.00	-58.80
3760.00	-50.38	-58.11	12.50	-6.77	-13.00	-37.38
5640.00	-48.21	-54.81	13.08	-8.48	-13.00	-35.21

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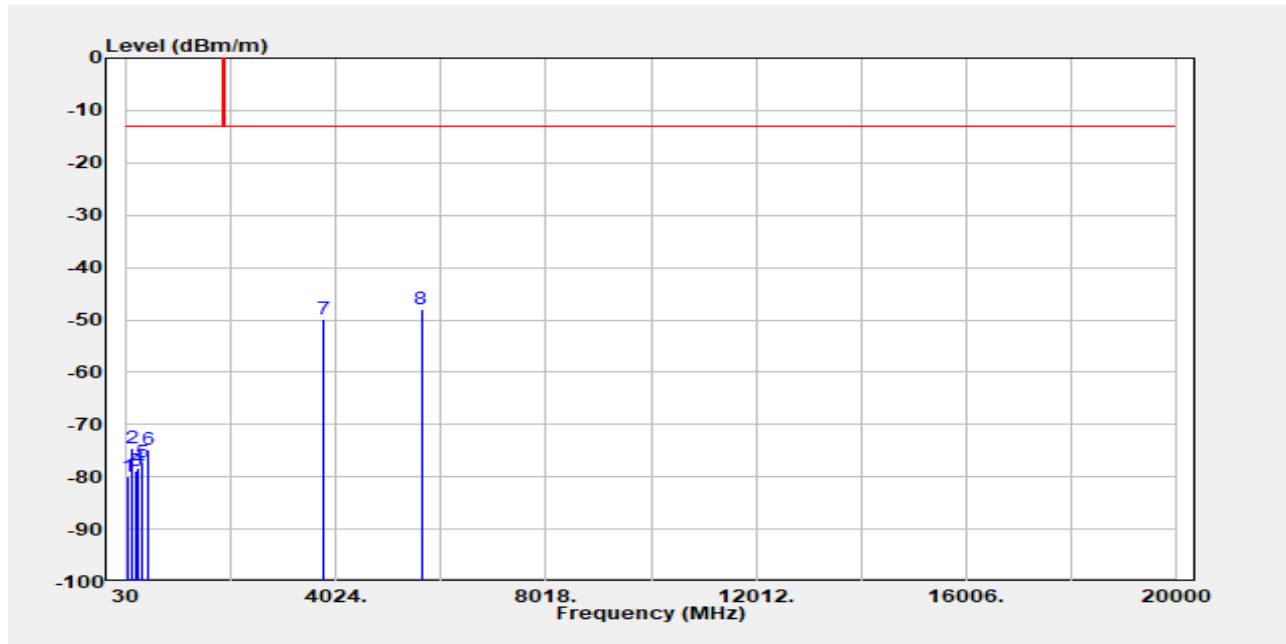
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Member of SGS Group

Report Number :TERF2207001187ER
 Operation Mode :LTE B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1880 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-79.98	-72.58	-6.63	-0.77	-13.00	-66.98
125.06	-74.44	-73.94	0.66	-1.16	-13.00	-61.44
202.66	-78.86	-84.00	6.61	-1.47	-13.00	-65.86
228.85	-78.20	-83.87	7.25	-1.58	-13.00	-65.20
311.30	-77.32	-81.87	6.33	-1.79	-13.00	-64.32
442.25	-74.73	-78.76	6.29	-2.26	-13.00	-61.73
3760.00	-49.98	-57.71	12.50	-6.77	-13.00	-36.98
5640.00	-47.87	-54.47	13.08	-8.48	-13.00	-34.87

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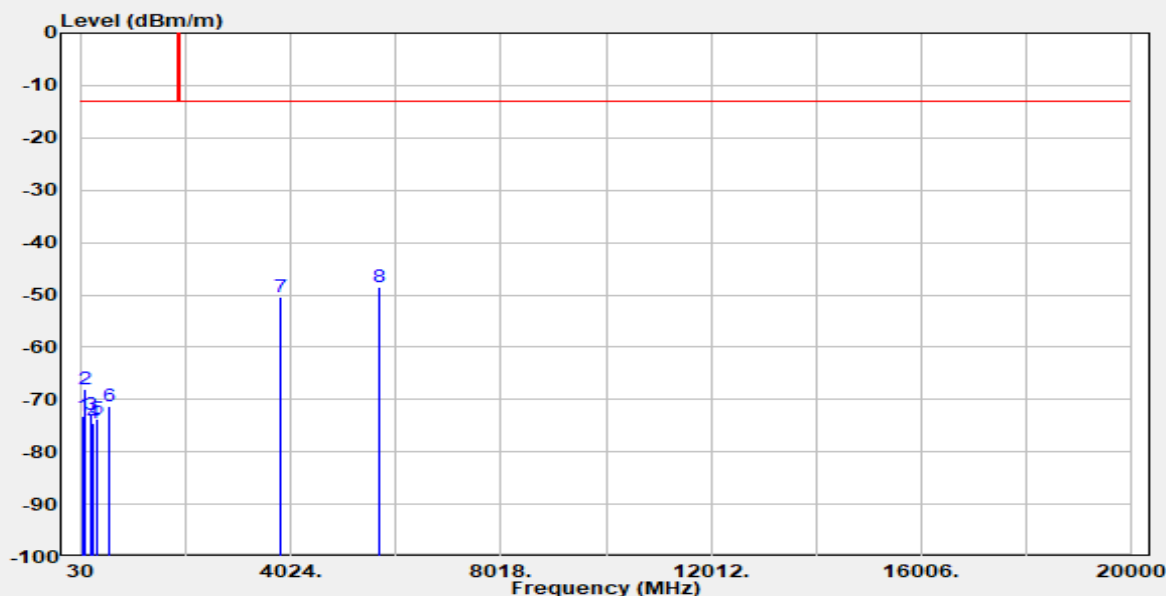
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2207001187ER
Operation Mode :LTE B2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1900 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-73.05	-65.91	-6.36	-0.79	-13.00	-60.05
99.84	-68.09	-68.79	1.73	-1.02	-13.00	-55.09
202.66	-72.80	-77.93	6.61	-1.47	-13.00	-59.80
233.70	-74.43	-79.59	6.78	-1.61	-13.00	-61.43
316.15	-73.80	-78.36	6.30	-1.74	-13.00	-60.80
558.65	-71.29	-75.22	6.59	-2.66	-13.00	-58.29
3800.00	-50.50	-58.43	12.50	-6.57	-13.00	-37.50
5700.00	-48.58	-55.24	13.10	-8.44	-13.00	-35.58

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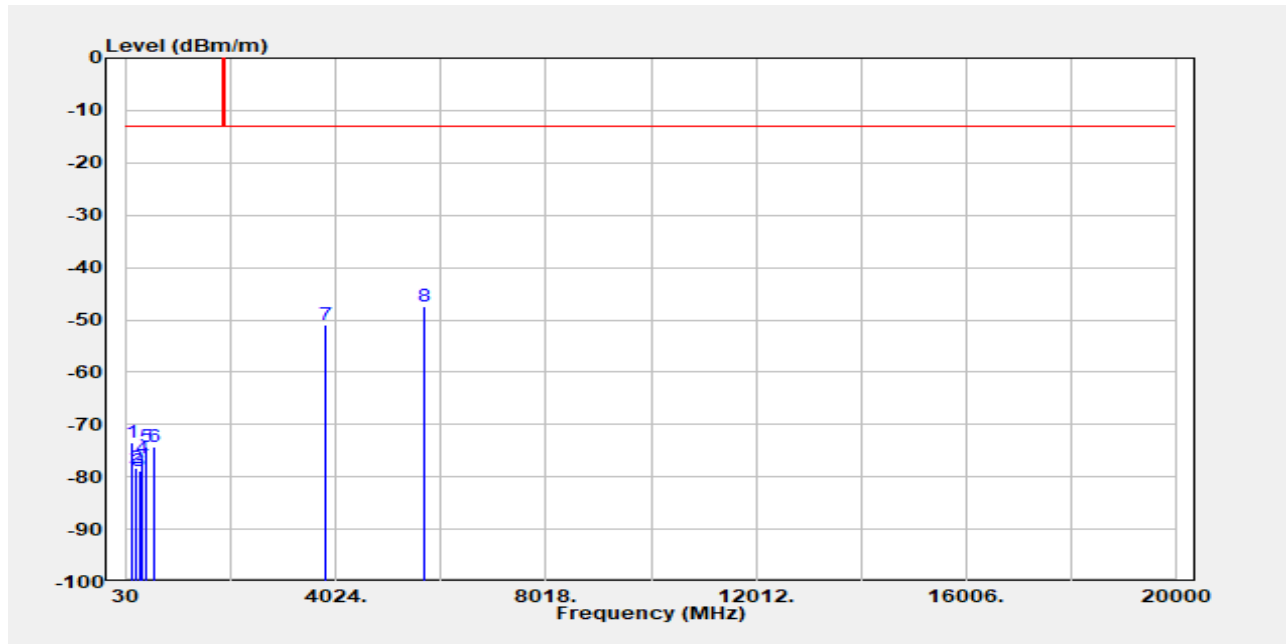
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Member of SGS Group

Report Number :TERF2207001187ER
 Operation Mode :LTE B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1900 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-73.39	-72.97	0.71	-1.12	-13.00	-60.39
202.66	-78.35	-83.48	6.61	-1.47	-13.00	-65.35
264.74	-78.98	-83.78	6.49	-1.68	-13.00	-65.98
315.18	-76.32	-80.85	6.29	-1.75	-13.00	-63.32
390.84	-74.37	-78.91	6.63	-2.09	-13.00	-61.37
561.56	-74.29	-78.14	6.55	-2.70	-13.00	-61.29
3800.00	-50.95	-58.87	12.50	-6.57	-13.00	-37.95
5700.00	-47.53	-54.19	13.10	-8.44	-13.00	-34.53

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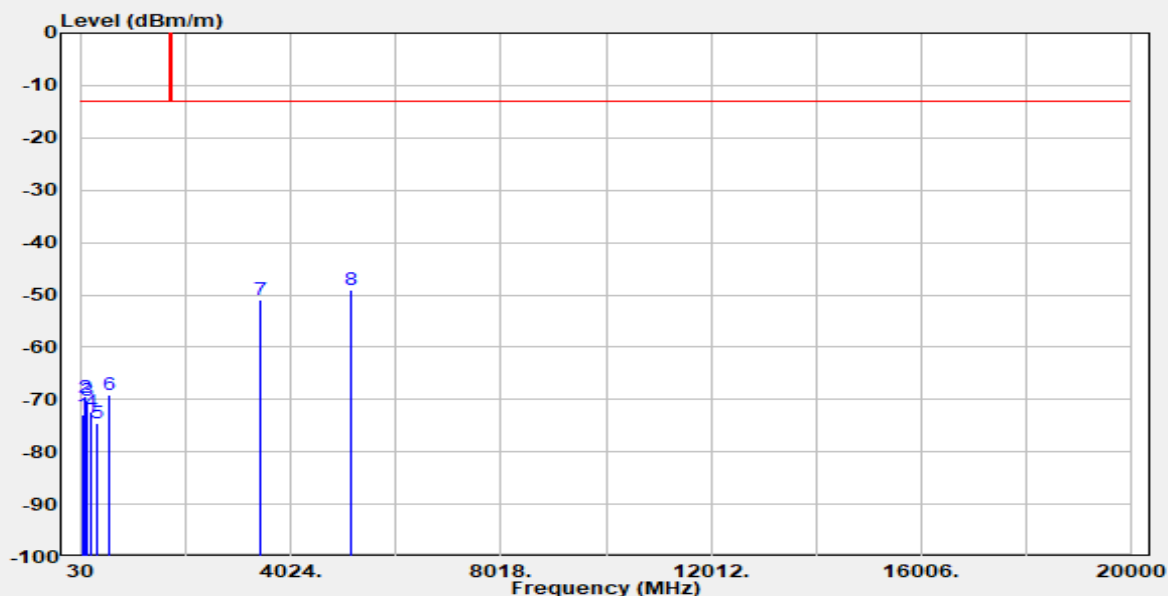
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Report Number :TERF2207001187ER
 Operation Mode :LTE B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1720 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



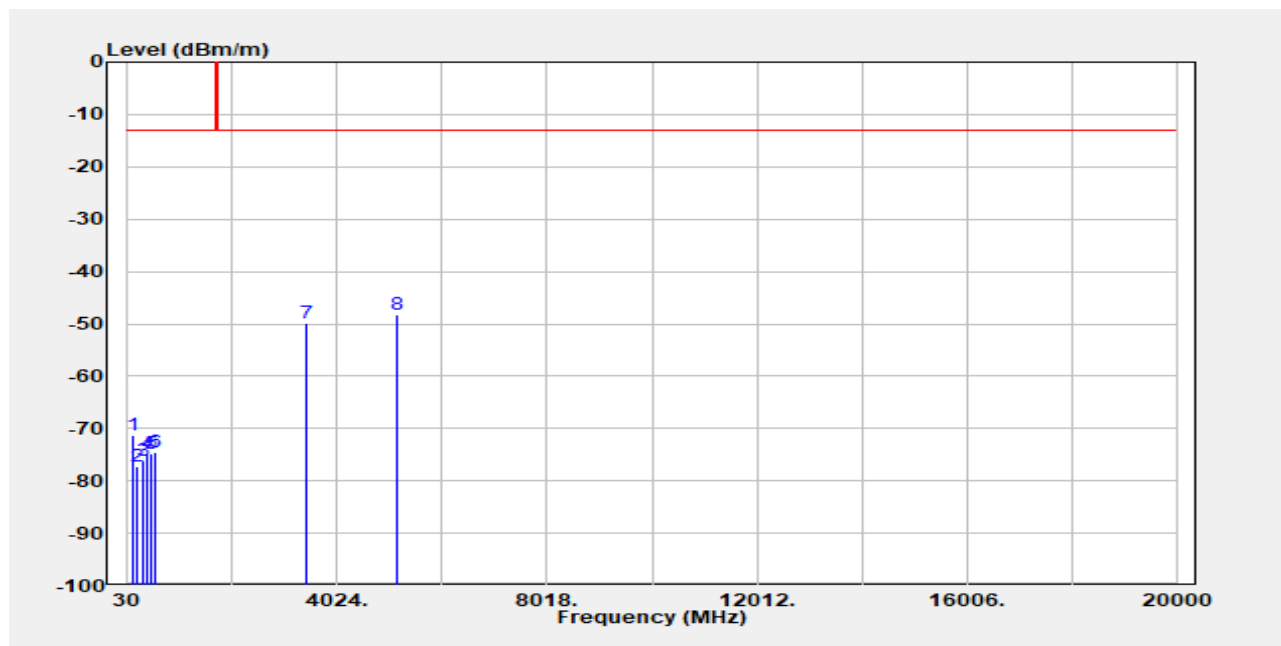
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-72.97	-65.82	-6.36	-0.79	-13.00	-59.97
99.84	-69.78	-70.48	1.73	-1.02	-13.00	-56.78
115.36	-70.29	-70.01	0.83	-1.11	-13.00	-57.29
204.60	-72.22	-77.39	6.65	-1.48	-13.00	-59.22
309.36	-74.54	-79.08	6.35	-1.81	-13.00	-61.54
562.53	-69.12	-72.95	6.52	-2.70	-13.00	-56.12
3440.00	-50.86	-58.71	12.50	-6.65	-13.00	-37.86
5160.00	-49.10	-55.39	12.28	-7.99	-13.00	-36.10

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Report Number :TERF2207001187ER
Operation Mode :LTE B4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1720 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
119.24	-71.27	-70.78	0.65	-1.14	-13.00	-58.27
203.63	-77.24	-82.39	6.63	-1.48	-13.00	-64.24
304.51	-76.28	-80.77	6.31	-1.83	-13.00	-63.28
393.75	-74.85	-79.30	6.58	-2.12	-13.00	-61.85
465.53	-74.74	-78.63	6.28	-2.40	-13.00	-61.74
561.56	-74.53	-78.38	6.55	-2.70	-13.00	-61.53
3440.00	-49.90	-57.75	12.50	-6.65	-13.00	-36.90
5160.00	-48.13	-54.42	12.28	-7.99	-13.00	-35.13

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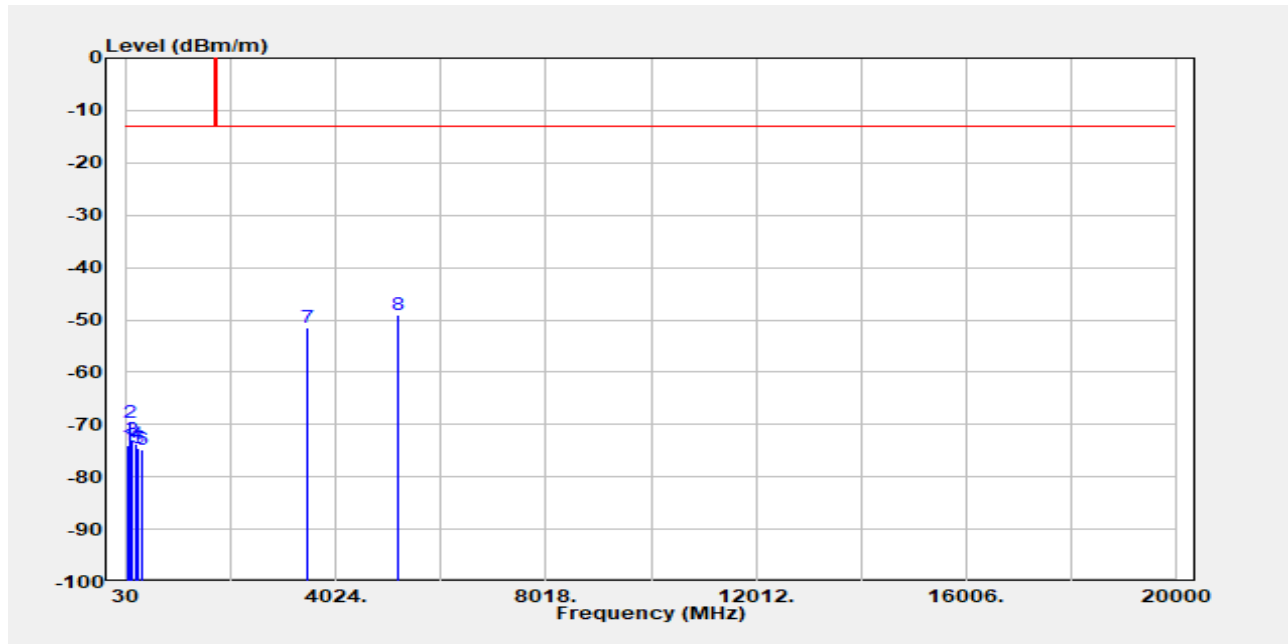
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Member of SGS Group

Report Number :TERF2207001187ER
 Operation Mode :LTE B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1732.5 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-73.87	-66.47	-6.63	-0.77	-13.00	-60.87
90.14	-69.63	-70.37	1.72	-0.98	-13.00	-56.63
122.15	-72.97	-72.48	0.66	-1.15	-13.00	-59.97
202.66	-73.73	-78.86	6.61	-1.47	-13.00	-60.73
232.73	-74.39	-79.67	6.88	-1.60	-13.00	-61.39
312.27	-74.73	-79.27	6.32	-1.78	-13.00	-61.73
3465.00	-51.58	-59.53	12.47	-6.52	-13.00	-38.58
5197.50	-48.92	-55.49	12.58	-8.01	-13.00	-35.92

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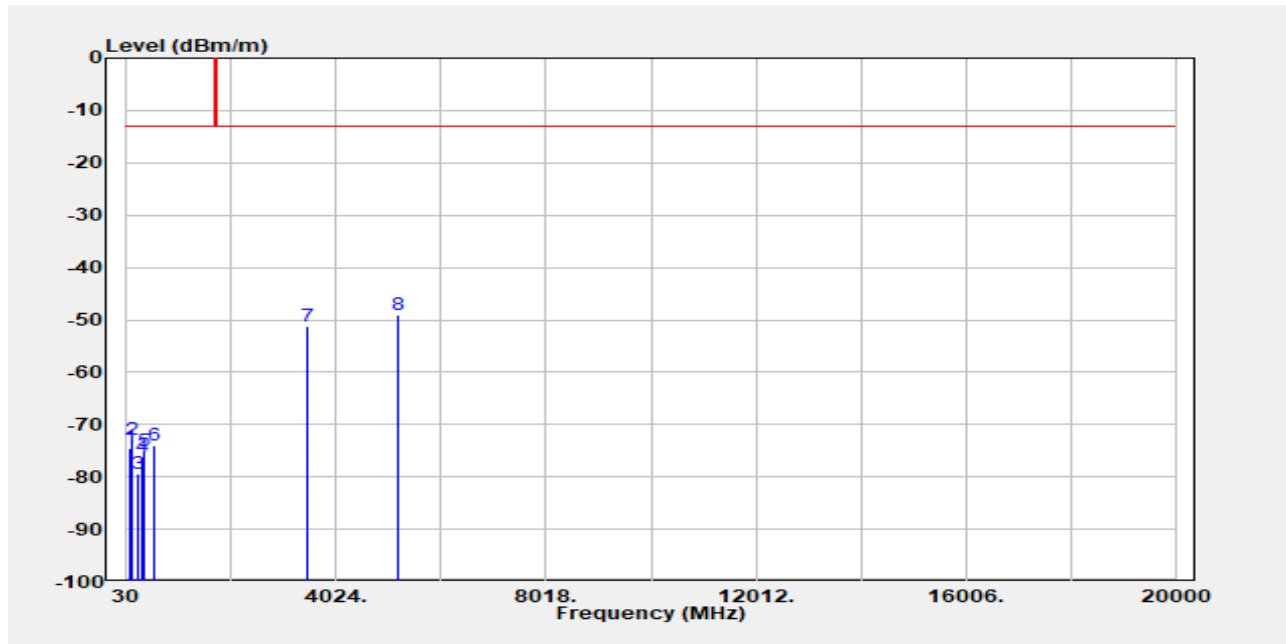
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Report Number :TERF2207001187ER
 Operation Mode :LTE B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1732.5 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
94.02	-74.57	-75.46	1.89	-1.00	-13.00	-61.57
122.15	-72.99	-72.50	0.66	-1.15	-13.00	-59.99
257.95	-79.54	-84.35	6.49	-1.68	-13.00	-66.54
318.09	-76.23	-80.82	6.31	-1.72	-13.00	-63.23
356.89	-74.98	-79.69	6.74	-2.03	-13.00	-61.98
558.65	-74.04	-77.97	6.59	-2.66	-13.00	-61.04
3465.00	-51.30	-59.25	12.47	-6.52	-13.00	-38.30
5197.50	-49.08	-55.65	12.58	-8.01	-13.00	-36.08

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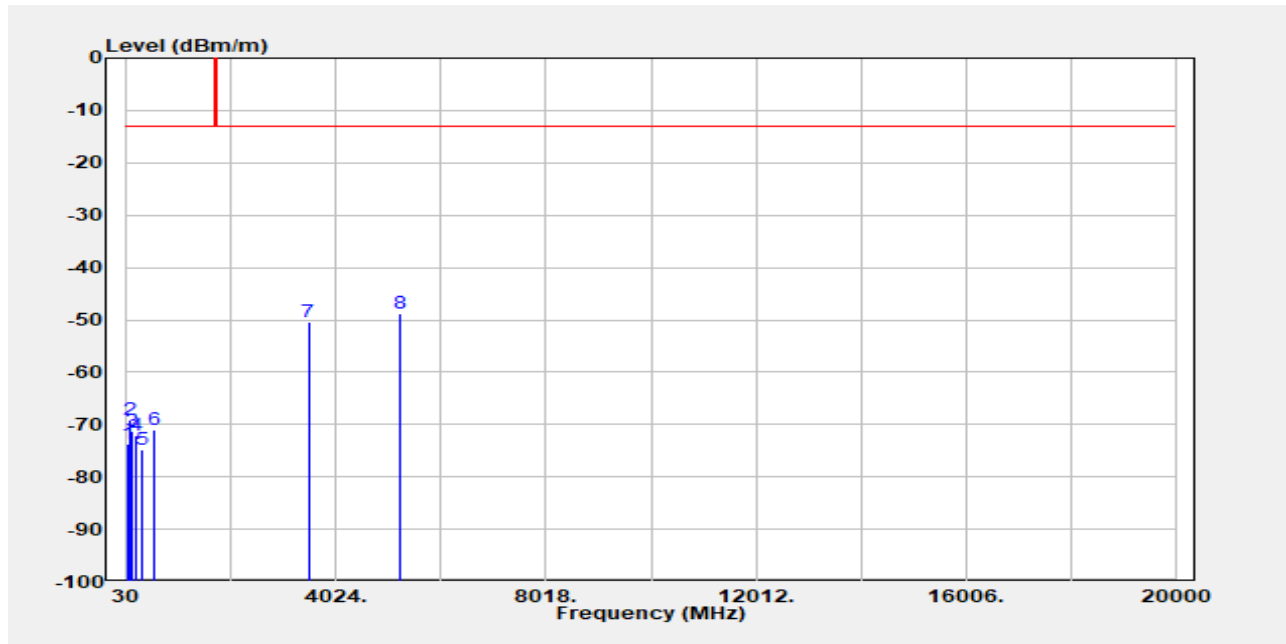
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Member of SGS Group

Report Number :TERF2207001187ER
 Operation Mode :LTE B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1745 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



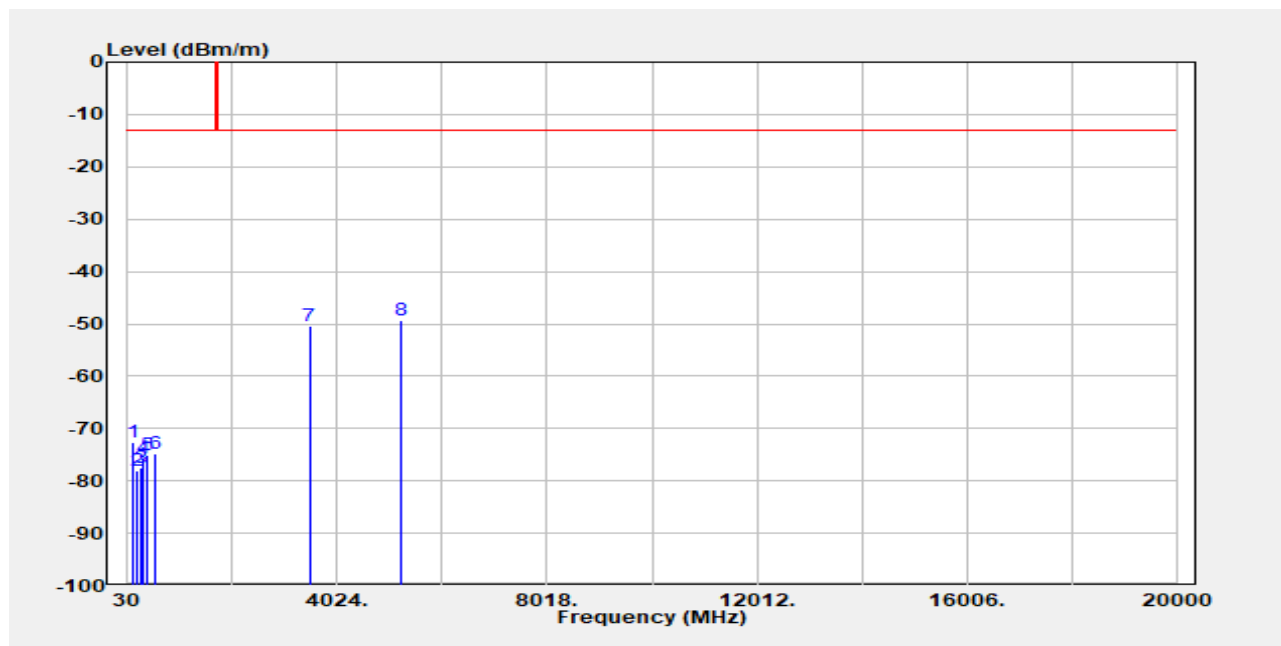
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-73.72	-66.57	-6.36	-0.79	-13.00	-60.72
99.84	-68.99	-69.69	1.73	-1.02	-13.00	-55.99
116.33	-71.24	-70.89	0.77	-1.12	-13.00	-58.24
203.63	-72.10	-77.25	6.63	-1.48	-13.00	-59.10
315.18	-74.83	-79.37	6.29	-1.75	-13.00	-61.83
559.62	-70.91	-74.81	6.59	-2.69	-13.00	-57.91
3490.00	-50.45	-58.54	12.42	-6.33	-13.00	-37.45
5235.00	-48.86	-55.63	12.81	-8.04	-13.00	-35.86

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Report Number :TERF2207001187ER
Operation Mode :LTE B4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1745 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
122.15	-72.61	-72.12	0.66	-1.15	-13.00	-59.61
203.63	-78.02	-83.17	6.63	-1.48	-13.00	-65.02
265.71	-77.55	-82.33	6.47	-1.68	-13.00	-64.55
316.15	-75.62	-80.18	6.30	-1.74	-13.00	-62.62
414.12	-74.99	-79.72	6.68	-1.95	-13.00	-61.99
545.07	-74.75	-79.03	6.65	-2.38	-13.00	-61.75
3490.00	-50.45	-58.54	12.42	-6.33	-13.00	-37.45
5235.00	-49.30	-56.07	12.81	-8.04	-13.00	-36.30

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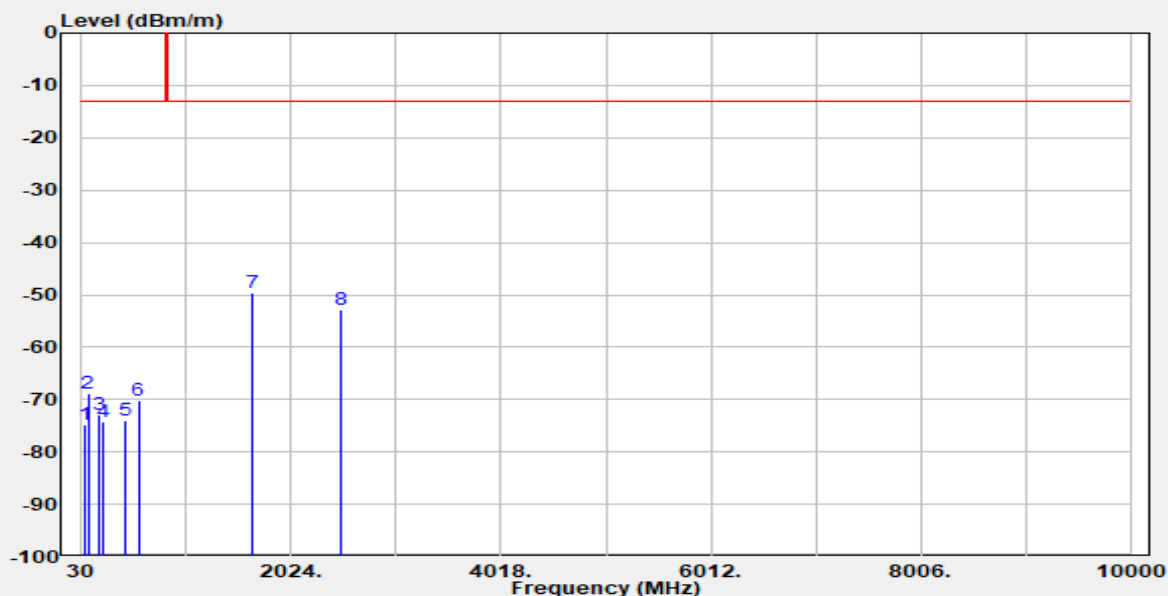
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Report Number :TERF2207001187ER
 Operation Mode :LTE B5
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :829 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



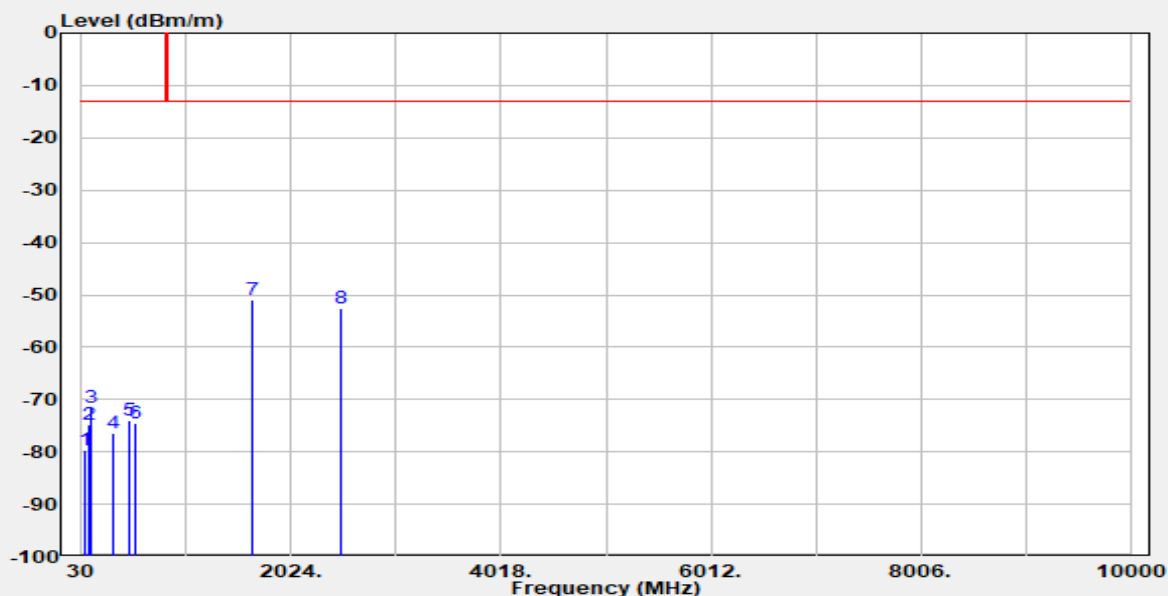
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-74.75	-66.94	-7.05	-0.76	-13.00	-61.75
90.14	-68.96	-69.71	1.72	-0.98	-13.00	-55.96
202.66	-72.95	-78.08	6.61	-1.47	-13.00	-59.95
237.58	-74.26	-79.16	6.53	-1.63	-13.00	-61.26
437.40	-74.08	-78.21	6.34	-2.21	-13.00	-61.08
569.32	-70.13	-73.98	6.53	-2.68	-13.00	-57.13
1658.00	-49.57	-54.81	9.63	-4.39	-13.00	-36.57
2487.00	-52.89	-60.07	10.57	-5.40	-13.00	-39.89

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Report Number :TERF2207001187ER
 Operation Mode :LTE B5
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :829 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



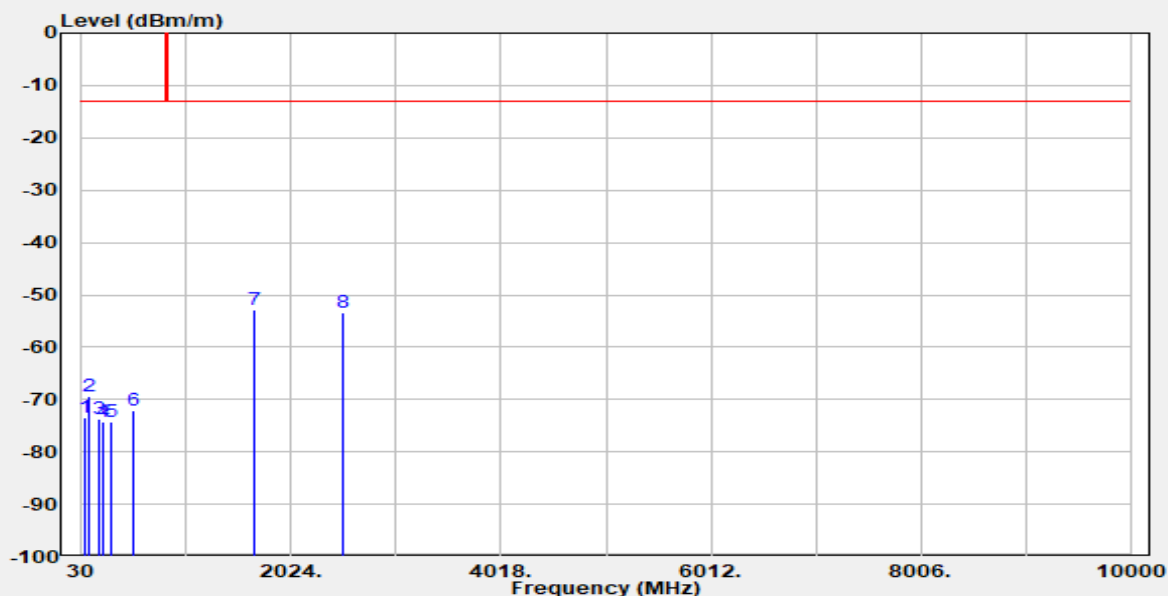
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-79.63	-71.82	-7.05	-0.76	-13.00	-66.63
95.96	-74.69	-75.66	1.97	-1.01	-13.00	-61.69
118.27	-71.50	-71.10	0.73	-1.13	-13.00	-58.50
321.00	-76.35	-80.94	6.31	-1.73	-13.00	-63.35
475.23	-74.07	-78.01	6.36	-2.42	-13.00	-61.07
533.43	-74.59	-79.00	6.56	-2.16	-13.00	-61.59
1658.00	-51.01	-56.25	9.63	-4.39	-13.00	-38.01
2487.00	-52.45	-59.63	10.57	-5.40	-13.00	-39.45

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Report Number :TERF2207001187ER
 Operation Mode :LTE B5
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :836.5 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-73.38	-66.23	-6.36	-0.79	-13.00	-60.38
94.02	-69.49	-70.39	1.89	-1.00	-13.00	-56.49
202.66	-73.72	-78.85	6.61	-1.47	-13.00	-60.72
234.67	-74.35	-79.42	6.68	-1.61	-13.00	-61.35
314.21	-74.34	-78.87	6.30	-1.76	-13.00	-61.34
528.58	-72.21	-76.63	6.51	-2.09	-13.00	-59.21
1673.00	-52.98	-61.27	9.69	-4.40	-13.00	-39.98
2509.50	-53.28	-60.51	10.64	-5.41	-13.00	-40.28

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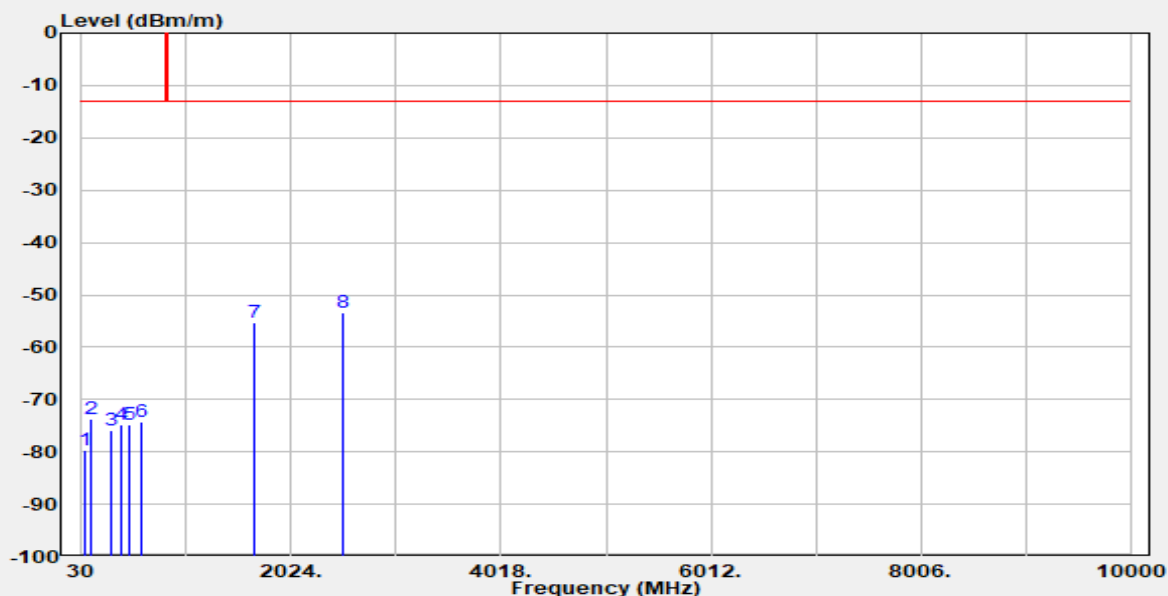
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Report Number :TERF2207001187ER
Operation Mode :LTE B5
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :836.5 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Horizontal
Engineer :Jack Liu



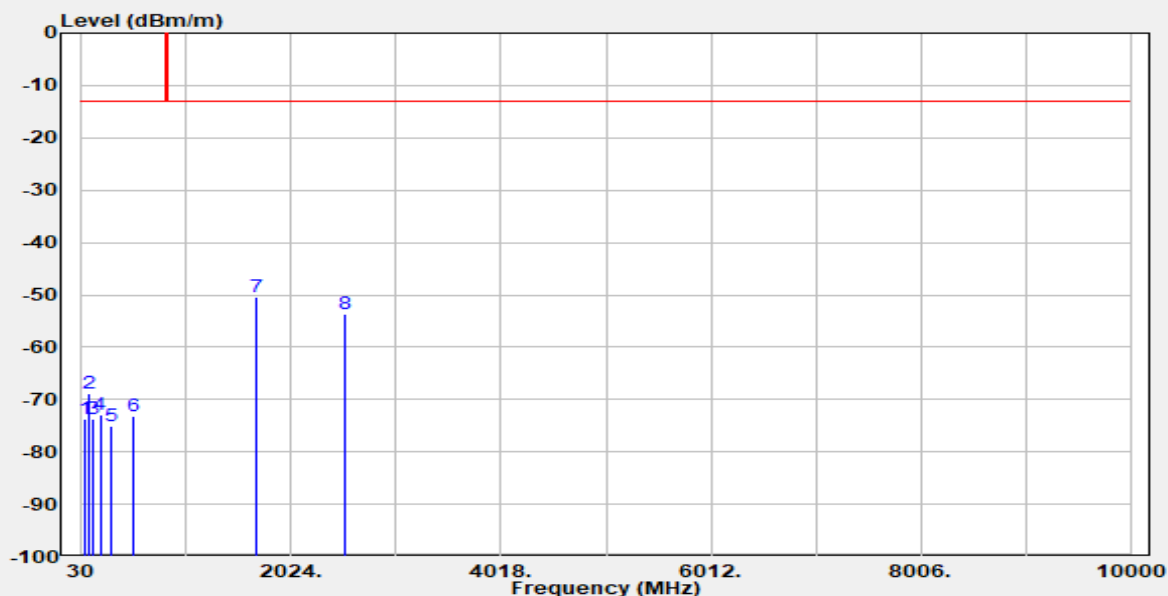
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-79.55	-71.74	-7.05	-0.76	-13.00	-66.55
123.12	-73.84	-73.39	0.71	-1.16	-13.00	-60.84
318.09	-75.84	-80.43	6.31	-1.72	-13.00	-62.84
406.36	-74.75	-79.41	6.67	-2.02	-13.00	-61.75
484.93	-74.79	-78.92	6.54	-2.40	-13.00	-61.79
601.33	-74.30	-77.66	6.01	-2.64	-13.00	-61.30
1673.00	-55.21	-63.51	9.69	-4.40	-13.00	-42.21
2509.50	-53.40	-60.63	10.64	-5.41	-13.00	-40.40

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Report Number :TERF2207001187ER
Operation Mode :LTE B5
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :844 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



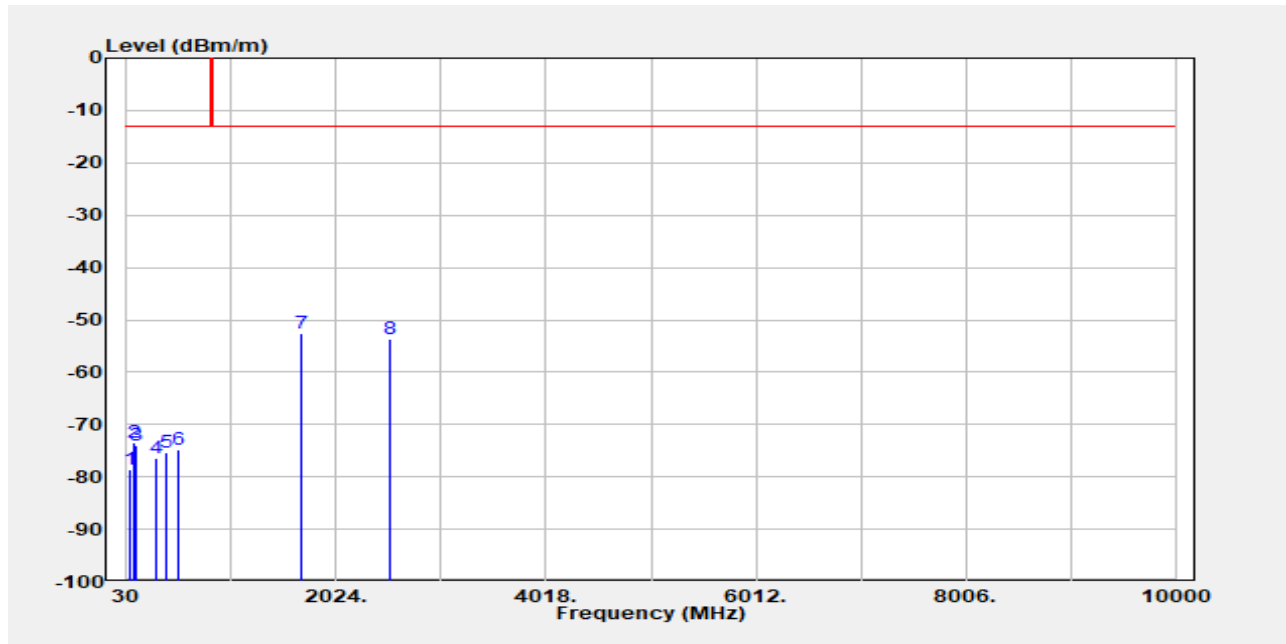
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
63.95	-73.68	-66.53	-6.36	-0.79	-13.00	-60.68
99.84	-68.88	-69.58	1.73	-1.02	-13.00	-55.88
138.64	-73.76	-72.95	0.50	-1.31	-13.00	-60.76
204.60	-72.84	-78.01	6.65	-1.48	-13.00	-59.84
314.21	-75.18	-79.71	6.30	-1.76	-13.00	-62.18
515.00	-73.06	-77.31	6.46	-2.21	-13.00	-60.06
1688.00	-50.40	-58.74	9.75	-4.41	-13.00	-37.40
2532.00	-53.53	-60.87	10.73	-5.39	-13.00	-40.53

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Report Number :TERF2207001187ER
Operation Mode :LTE B5
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :844 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Horizontal
Engineer :Jack Liu



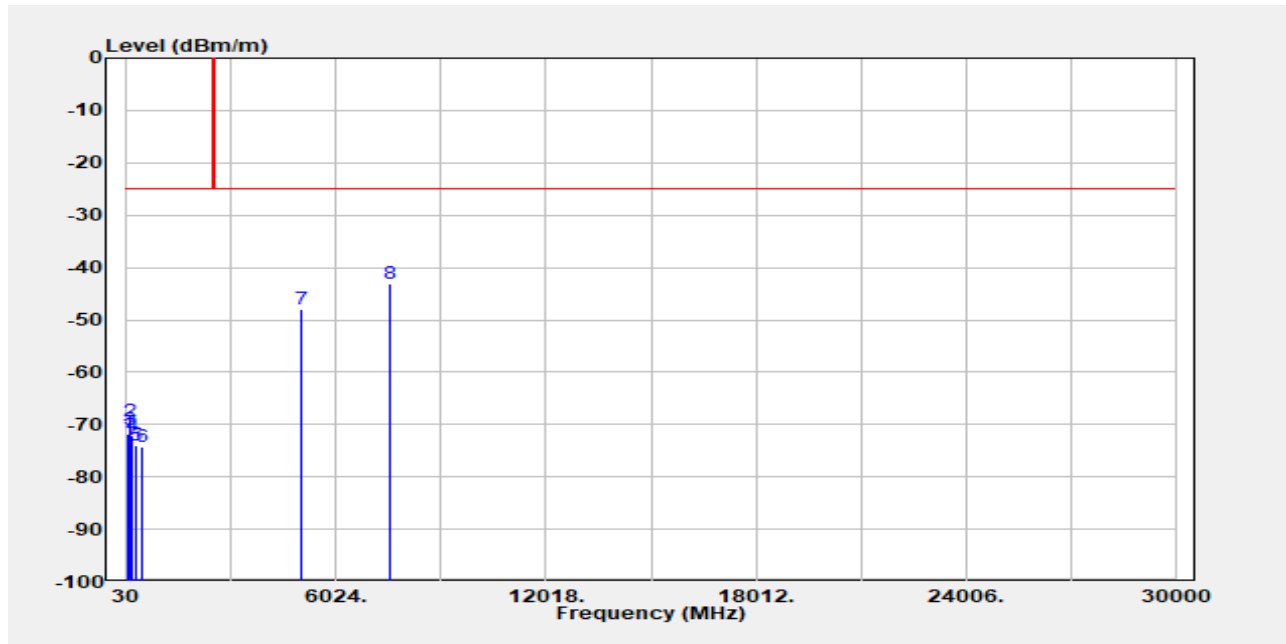
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-78.71	-71.31	-6.63	-0.77	-13.00	-65.71
97.90	-73.57	-74.30	1.75	-1.01	-13.00	-60.57
121.18	-73.88	-73.48	0.76	-1.15	-13.00	-60.88
310.33	-76.56	-81.10	6.35	-1.80	-13.00	-63.56
412.18	-75.23	-79.98	6.68	-1.94	-13.00	-62.23
529.55	-74.81	-79.24	6.51	-2.07	-13.00	-61.81
1688.00	-52.45	-60.79	9.75	-4.41	-13.00	-39.45
2532.00	-53.52	-60.87	10.73	-5.39	-13.00	-40.52

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Report Number :TERF2207001187ER
 Operation Mode :LTE B7
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :2510 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-71.86	-64.71	-6.36	-0.79	-25.00	-46.86
95.96	-69.33	-70.30	1.97	-1.01	-25.00	-44.33
117.30	-70.92	-70.50	0.71	-1.12	-25.00	-45.92
205.57	-72.17	-77.37	6.68	-1.49	-25.00	-47.17
317.12	-73.90	-78.47	6.31	-1.73	-25.00	-48.90
495.60	-74.37	-78.51	6.53	-2.38	-25.00	-49.37
5020.00	-47.90	-54.50	12.42	-7.82	-25.00	-22.90
7530.00	-43.05	-46.53	11.16	-9.68	-25.00	-18.05

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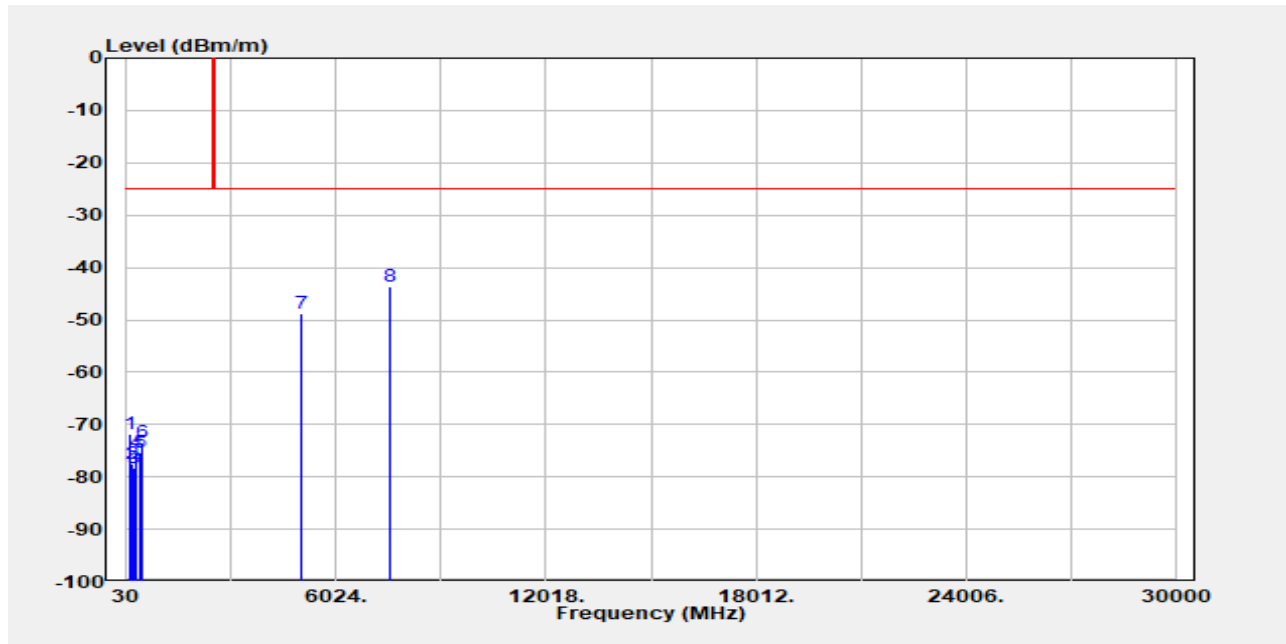
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Report Number :TERF2207001187ER
 Operation Mode :LTE B7
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :2510 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-71.73	-71.33	0.73	-1.13	-25.00	-46.73
203.63	-77.54	-82.69	6.63	-1.48	-25.00	-52.54
260.86	-78.40	-83.23	6.52	-1.68	-25.00	-53.40
311.30	-75.47	-80.01	6.33	-1.79	-25.00	-50.47
418.00	-75.44	-80.08	6.63	-1.99	-25.00	-50.44
483.96	-73.33	-77.43	6.52	-2.42	-25.00	-48.33
5020.00	-48.84	-55.44	12.42	-7.82	-25.00	-23.84
7530.00	-43.70	-47.17	11.16	-9.68	-25.00	-18.70

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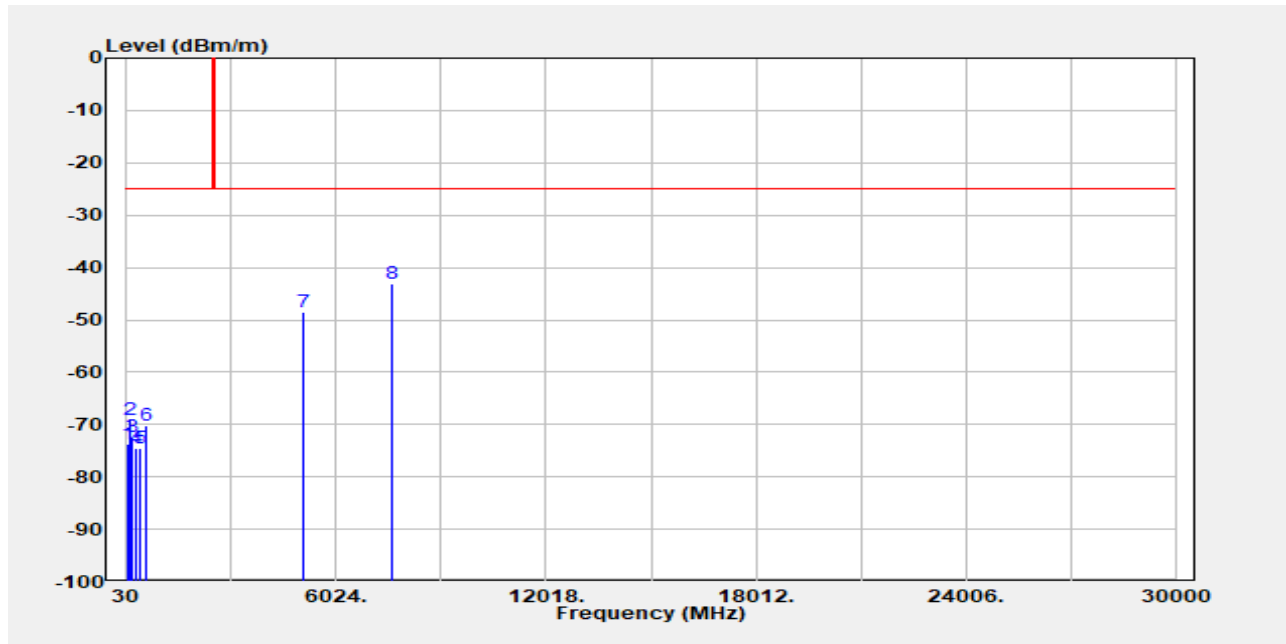
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Report Number :TERF2207001187ER
 Operation Mode :LTE B7
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :2535 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-73.84	-66.70	-6.36	-0.79	-25.00	-48.84
99.84	-69.06	-69.76	1.73	-1.02	-25.00	-44.06
204.60	-72.25	-77.42	6.65	-1.48	-25.00	-47.25
312.27	-74.40	-78.94	6.32	-1.78	-25.00	-49.40
416.06	-74.43	-79.12	6.66	-1.97	-25.00	-49.43
594.54	-70.29	-73.77	6.22	-2.73	-25.00	-45.29
5070.00	-48.55	-54.55	12.22	-8.22	-25.00	-23.55
7605.00	-43.08	-46.65	11.32	-9.75	-25.00	-18.08

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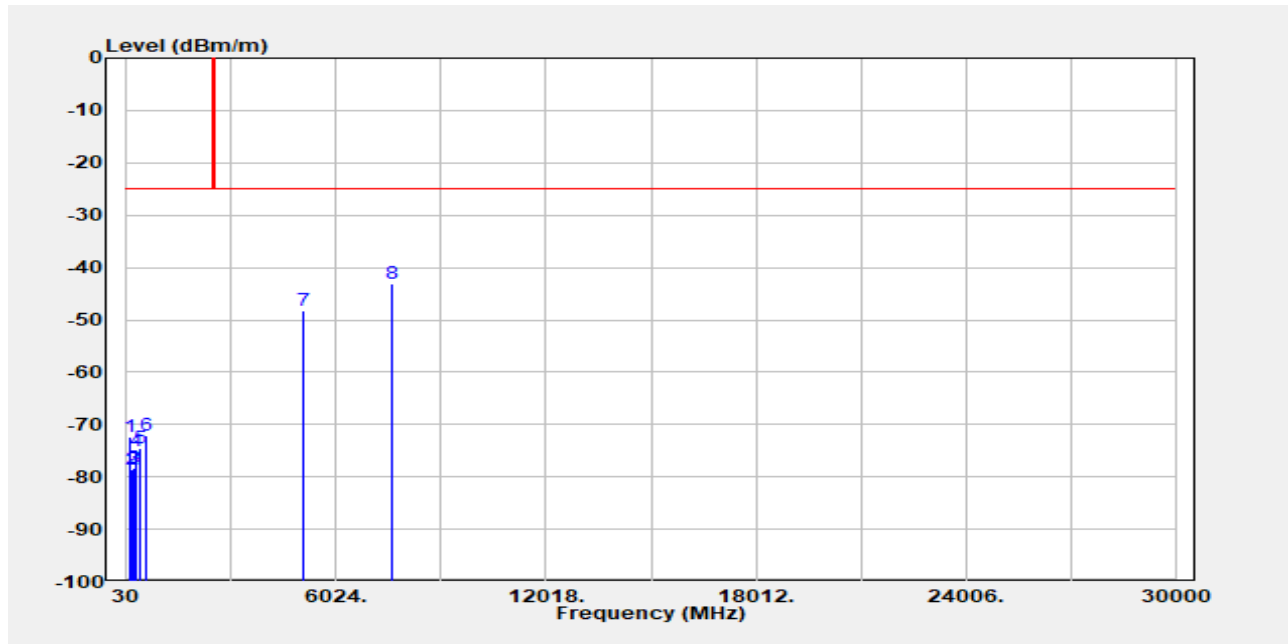
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Report Number :TERF2207001187ER
 Operation Mode :LTE B7
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :2535 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



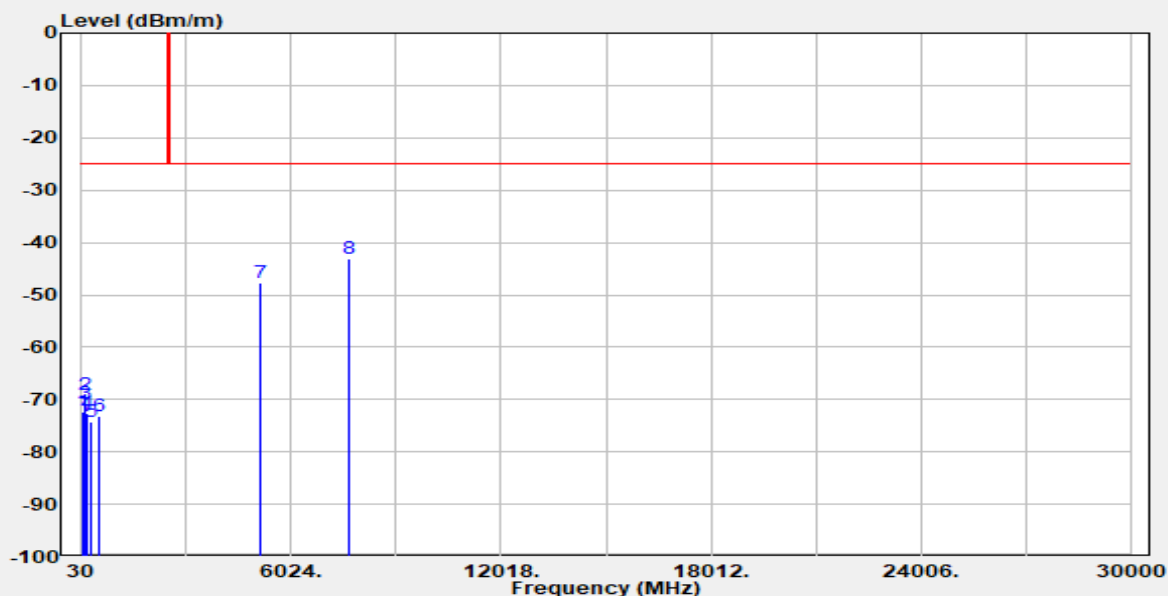
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-72.44	-72.01	0.72	-1.14	-25.00	-47.44
203.63	-78.47	-83.62	6.63	-1.48	-25.00	-53.47
259.89	-78.37	-83.21	6.52	-1.68	-25.00	-53.37
313.24	-75.16	-79.70	6.31	-1.77	-25.00	-50.16
413.15	-74.55	-79.29	6.68	-1.95	-25.00	-49.55
600.36	-72.02	-75.36	5.99	-2.65	-25.00	-47.02
5070.00	-48.30	-54.30	12.22	-8.22	-25.00	-23.30
7605.00	-43.10	-46.67	11.32	-9.75	-25.00	-18.10

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Report Number :TERF2207001187ER
Operation Mode :LTE B7
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :2560 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
63.95	-72.32	-65.17	-6.36	-0.79	-25.00	-47.32
99.84	-69.18	-69.89	1.73	-1.02	-25.00	-44.18
117.30	-70.74	-70.33	0.71	-1.12	-25.00	-45.74
203.63	-72.64	-77.79	6.63	-1.48	-25.00	-47.64
318.09	-74.19	-78.78	6.31	-1.72	-25.00	-49.19
516.94	-73.04	-77.24	6.45	-2.24	-25.00	-48.04
5120.00	-47.63	-54.07	12.14	-7.69	-25.00	-22.63
7680.00	-42.99	-46.65	11.56	-9.90	-25.00	-17.99

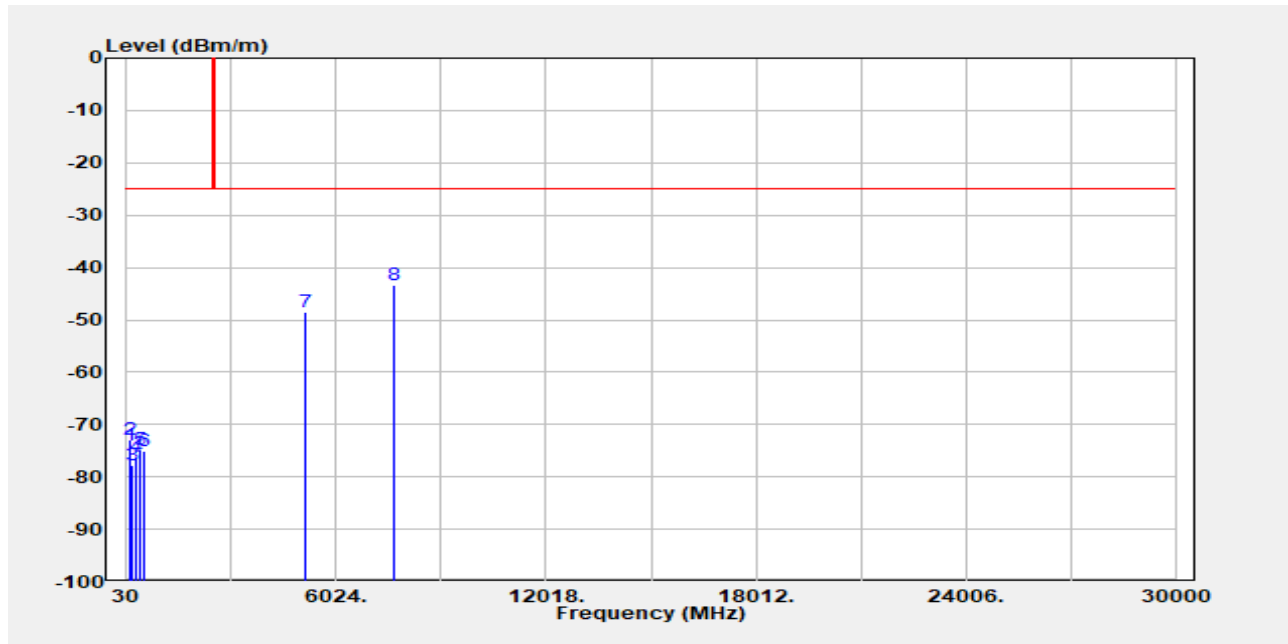
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Report Number :TERF2207001187ER
 Operation Mode :LTE B7
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :2560 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
96.93	-74.01	-74.77	1.77	-1.01	-25.00	-49.01
119.24	-72.89	-72.40	0.65	-1.14	-25.00	-47.89
203.63	-77.88	-83.03	6.63	-1.48	-25.00	-52.88
311.30	-76.04	-80.58	6.33	-1.79	-25.00	-51.04
387.93	-74.82	-79.39	6.64	-2.07	-25.00	-49.82
508.21	-75.05	-79.36	6.48	-2.17	-25.00	-50.05
5120.00	-48.59	-55.04	12.14	-7.69	-25.00	-23.59
7680.00	-43.24	-46.90	11.56	-9.90	-25.00	-18.24

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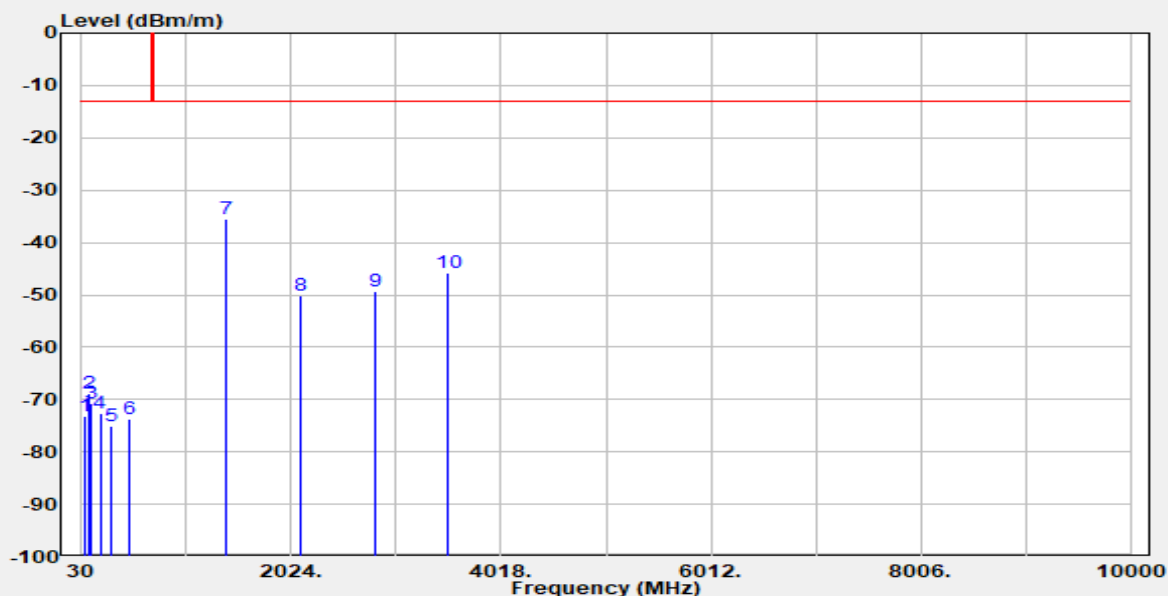
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Report Number :TERF2207001187ER
 Operation Mode :LTE B12
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :704 MHz

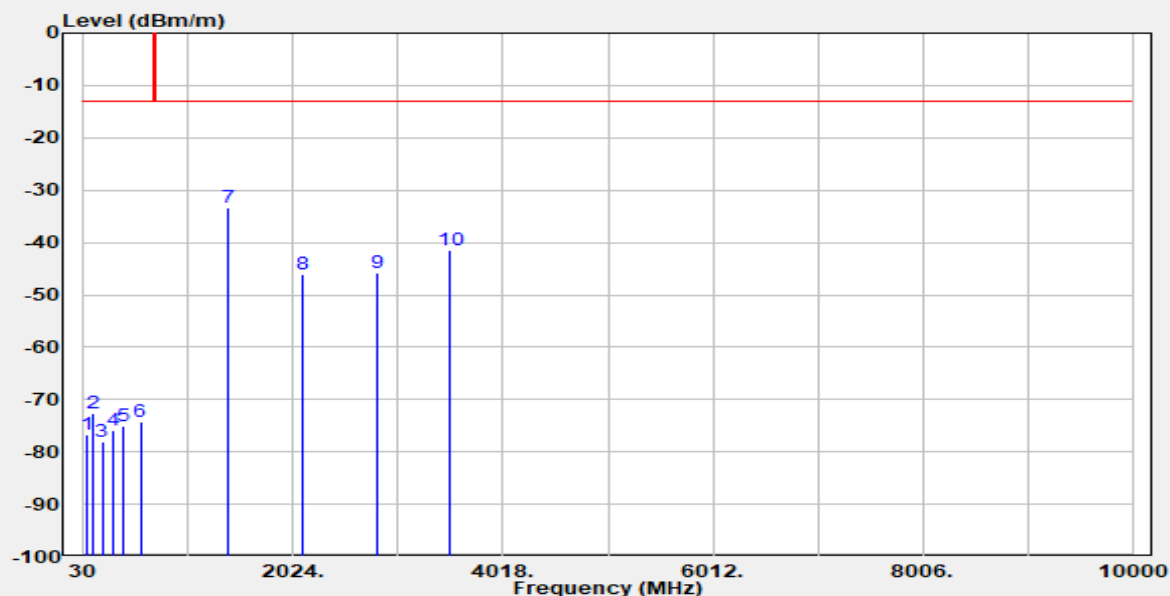
Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-73.27	-66.12	-6.36	-0.79	-13.00	-60.27
100.81	-68.93	-69.53	1.63	-1.03	-13.00	-55.93
120.21	-70.79	-70.37	0.72	-1.14	-13.00	-57.79
204.60	-72.71	-77.88	6.65	-1.48	-13.00	-59.71
315.18	-74.98	-79.52	6.29	-1.75	-13.00	-61.98
487.84	-73.78	-77.97	6.53	-2.34	-13.00	-60.78
1408.00	-35.61	-39.44	7.83	-4.01	-13.00	-22.61
2112.00	-50.02	-57.77	9.68	-4.93	-13.00	-37.02
2816.00	-49.19	-57.50	10.96	-5.65	-13.00	-36.19
3520.00	-45.69	-54.60	12.32	-6.41	-13.00	-32.69

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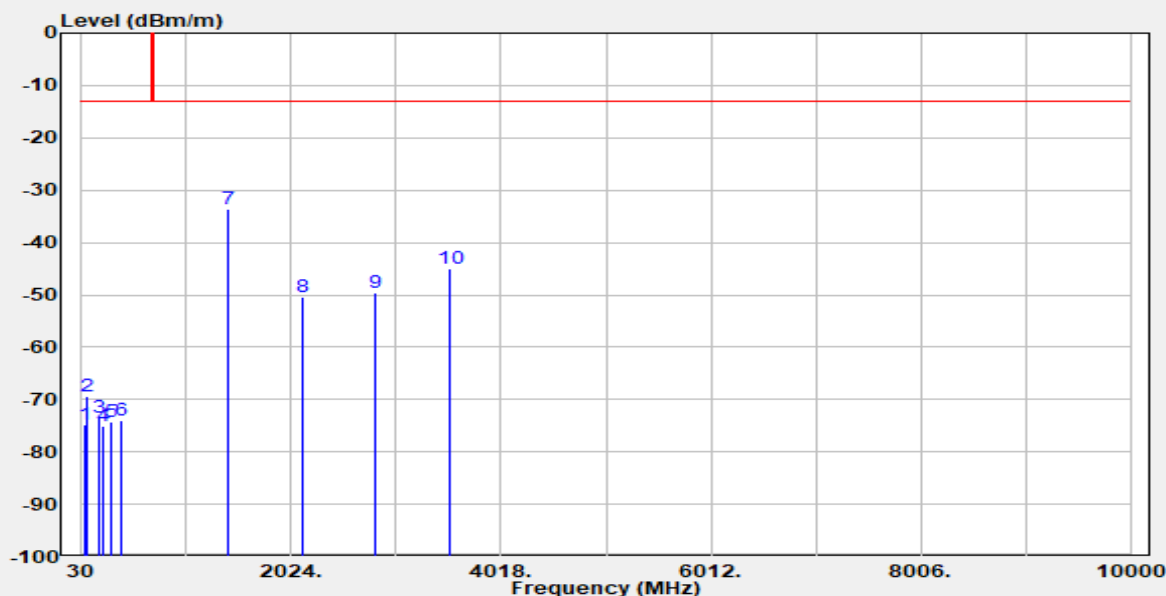


Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
57.16	-76.72	-68.08	-7.90	-0.73	-13.00	-63.72
119.24	-72.74	-72.26	0.65	-1.14	-13.00	-59.74
204.60	-78.02	-83.18	6.65	-1.48	-13.00	-65.02
313.24	-75.94	-80.47	6.31	-1.77	-13.00	-62.94
402.48	-75.10	-79.65	6.67	-2.12	-13.00	-62.10
569.32	-74.25	-78.10	6.53	-2.68	-13.00	-61.25
1408.00	-33.25	-40.08	7.83	-4.01	-13.00	-20.25
2112.00	-46.05	-53.80	9.68	-4.93	-13.00	-33.05
2816.00	-45.79	-54.10	10.96	-5.65	-13.00	-32.79
3520.00	-41.52	-50.43	12.32	-6.41	-13.00	-28.52

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Report Number :TERF2207001187ER
 Operation Mode :LTE B12
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :707.5 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-74.70	-67.55	-6.36	-0.79	-13.00	-61.70
88.20	-69.51	-69.98	1.43	-0.97	-13.00	-56.51
203.63	-73.35	-78.49	6.63	-1.48	-13.00	-60.35
230.79	-75.04	-80.53	7.08	-1.59	-13.00	-62.04
319.06	-74.38	-78.99	6.32	-1.71	-13.00	-61.38
402.48	-74.11	-78.66	6.67	-2.12	-13.00	-61.11
1415.00	-33.62	-40.48	7.86	-4.00	-13.00	-20.62
2122.50	-50.50	-58.12	9.57	-4.96	-13.00	-37.50
2830.00	-49.61	-58.05	11.02	-5.58	-13.00	-36.61
3537.50	-44.90	-53.60	12.25	-6.55	-13.00	-31.90

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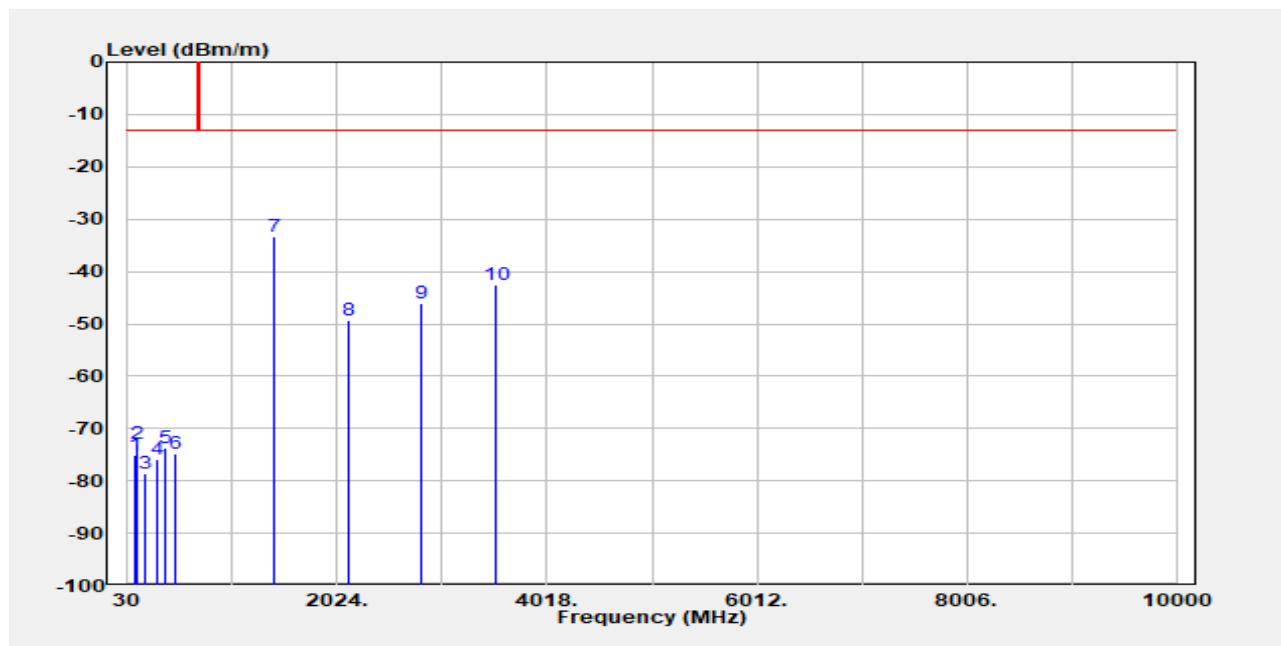
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Report Number :TERF2207001187ER
 Operation Mode :LTE B12
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :707.5 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



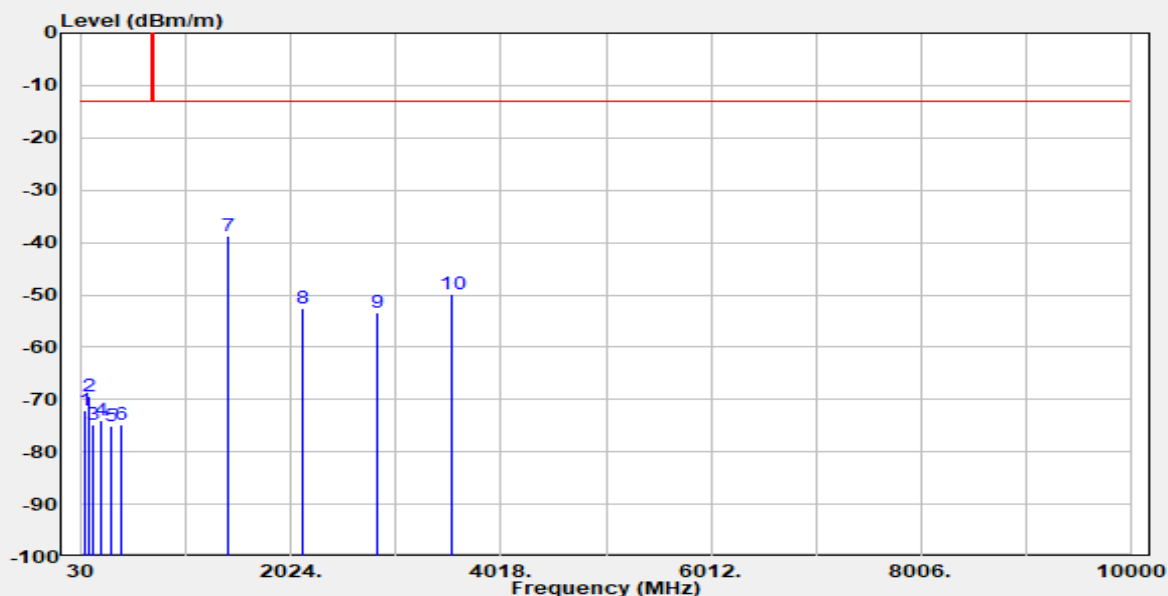
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
95.96	-75.02	-75.99	1.97	-1.01	-13.00	-62.02
121.18	-73.00	-72.61	0.76	-1.15	-13.00	-60.00
201.69	-78.65	-83.76	6.58	-1.47	-13.00	-65.65
312.27	-75.86	-80.40	6.32	-1.78	-13.00	-62.86
392.78	-73.72	-78.21	6.59	-2.11	-13.00	-60.72
478.14	-74.77	-78.73	6.41	-2.46	-13.00	-61.77
1415.00	-33.20	-40.06	7.86	-4.00	-13.00	-20.20
2122.50	-49.40	-57.01	9.57	-4.96	-13.00	-36.40
2830.00	-46.17	-54.61	11.02	-5.58	-13.00	-33.17
3537.50	-42.68	-51.38	12.25	-6.55	-13.00	-29.68

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Report Number :TERF2207001187ER
 Operation Mode :LTE B12
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :711 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



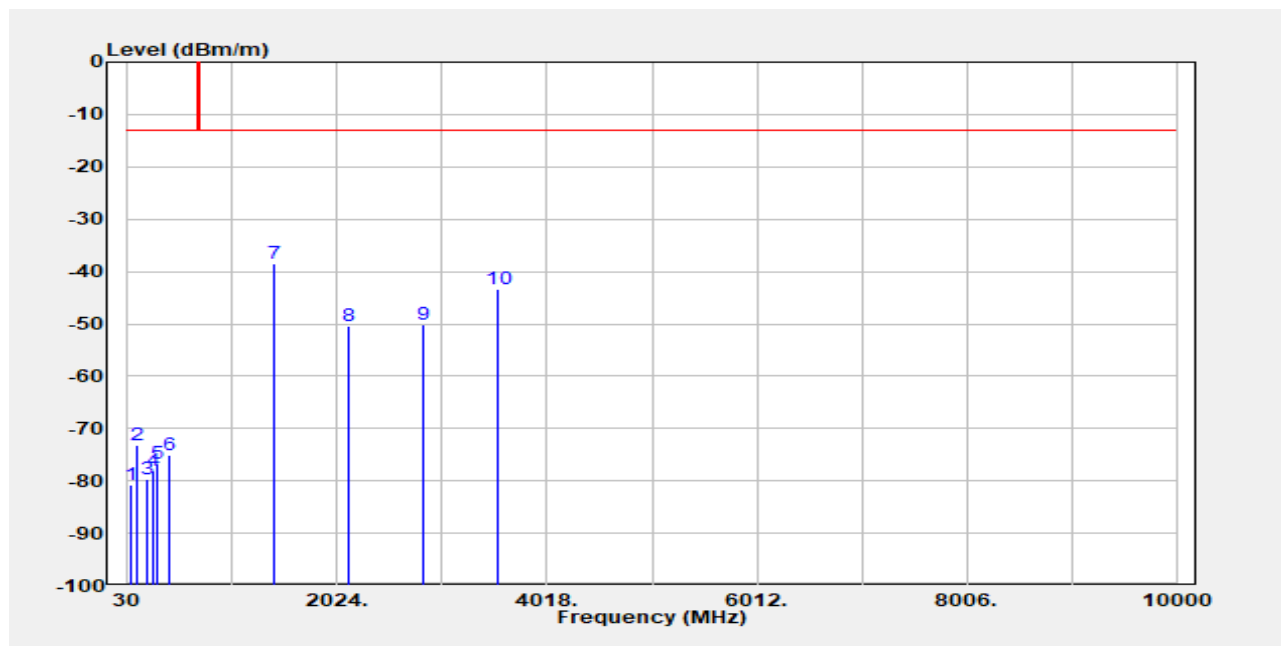
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
63.95	-72.21	-65.06	-6.36	-0.79	-13.00	-59.21
94.02	-69.50	-70.40	1.89	-1.00	-13.00	-56.50
140.58	-74.89	-74.10	0.52	-1.32	-13.00	-61.89
210.42	-74.11	-79.49	6.88	-1.50	-13.00	-61.11
318.09	-75.02	-79.61	6.31	-1.72	-13.00	-62.02
414.12	-74.73	-79.46	6.68	-1.95	-13.00	-61.73
1422.00	-38.75	-45.64	7.89	-4.00	-13.00	-25.75
2133.00	-52.51	-60.00	9.47	-4.98	-13.00	-39.51
2844.00	-53.35	-60.78	11.08	-5.65	-13.00	-40.35
3555.00	-49.86	-58.46	12.21	-6.61	-13.00	-36.86

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Report Number :TERF2207001187ER
 Operation Mode :LTE B12
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :711 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



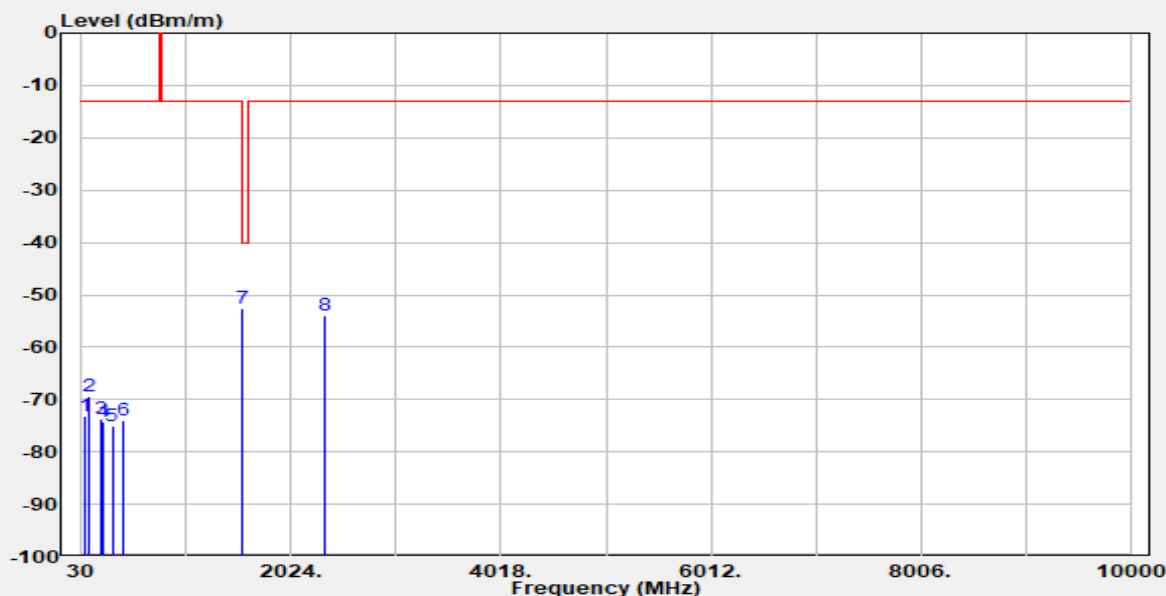
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-80.77	-73.37	-6.63	-0.77	-13.00	-67.77
123.12	-73.29	-72.84	0.71	-1.16	-13.00	-60.29
216.24	-79.79	-85.34	7.05	-1.50	-13.00	-66.79
280.26	-77.96	-82.40	6.17	-1.72	-13.00	-64.96
314.21	-76.73	-81.26	6.30	-1.76	-13.00	-63.73
431.58	-75.16	-79.47	6.39	-2.08	-13.00	-62.16
1422.00	-38.44	-45.33	7.89	-4.00	-13.00	-25.44
2133.00	-50.51	-58.01	9.47	-4.98	-13.00	-37.51
2844.00	-50.25	-58.67	11.08	-5.65	-13.00	-37.25
3555.00	-43.36	-51.96	12.21	-6.61	-13.00	-30.36

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Report Number :TERF2207001187ER
Operation Mode :LTE B13
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



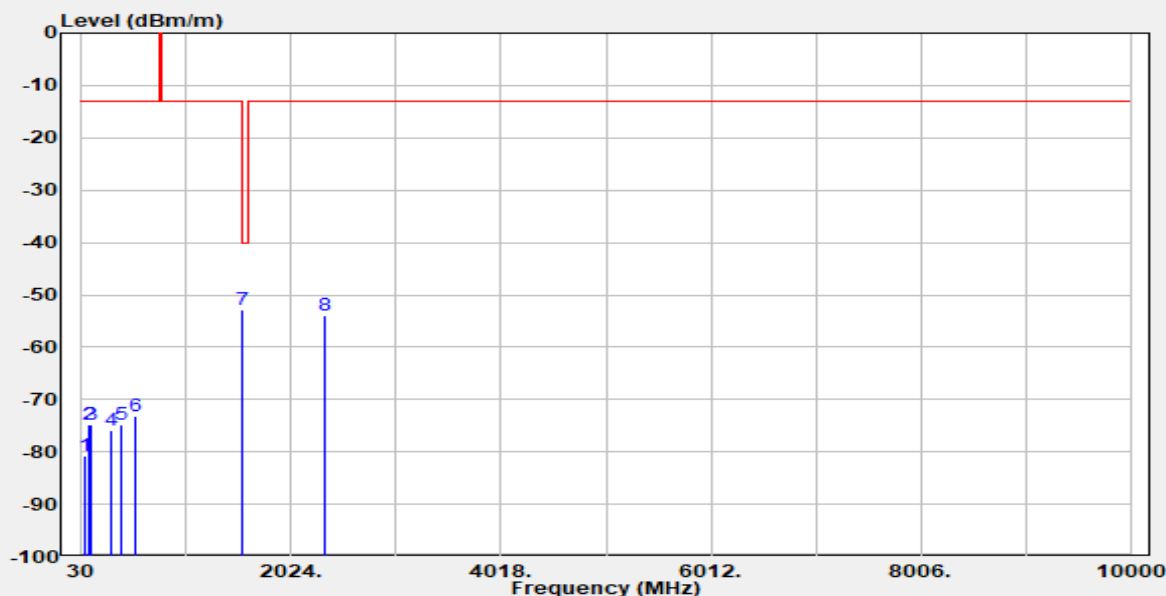
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-73.29	-64.18	-8.39	-0.72	-13.00	-60.29
94.99	-69.25	-70.23	1.98	-1.00	-13.00	-56.25
205.57	-73.80	-78.99	6.68	-1.49	-13.00	-60.80
231.76	-74.37	-79.75	6.98	-1.60	-13.00	-61.37
320.03	-75.01	-79.63	6.33	-1.71	-13.00	-62.01
427.70	-74.03	-78.48	6.48	-2.03	-13.00	-61.03
1564.00	-52.66	-60.60	9.18	-4.25	-40.00	-12.66
2346.00	-53.79	-60.39	9.78	-5.18	-13.00	-40.79

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Report Number :TERF2207001187ER
 Operation Mode :LTE B13
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :782 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



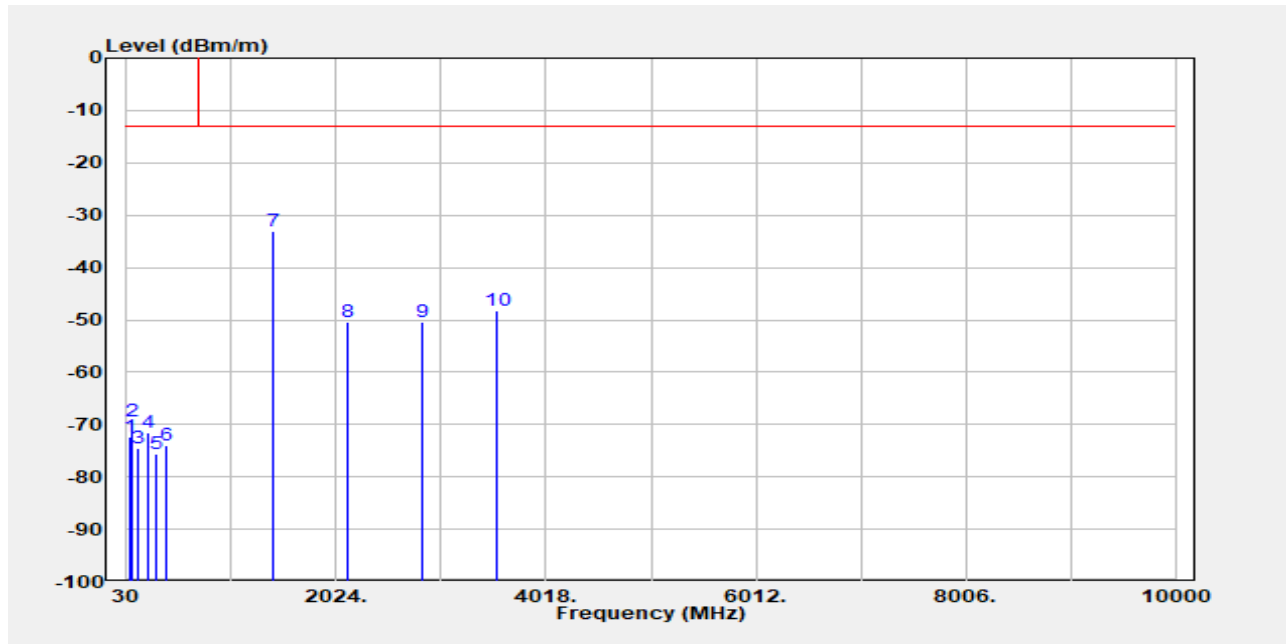
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-80.74	-73.34	-6.63	-0.77	-13.00	-67.74
97.90	-74.89	-75.62	1.75	-1.01	-13.00	-61.89
122.15	-74.88	-74.39	0.66	-1.15	-13.00	-61.88
309.36	-75.99	-80.53	6.35	-1.81	-13.00	-62.99
415.09	-74.82	-79.54	6.68	-1.96	-13.00	-61.82
542.16	-73.29	-77.54	6.61	-2.36	-13.00	-60.29
1564.00	-52.93	-60.87	9.18	-4.25	-40.00	-12.93
2346.00	-54.01	-60.61	9.78	-5.18	-13.00	-41.01

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Report Number :TERF2207001187ER
Operation Mode :LTE B17
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :709 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



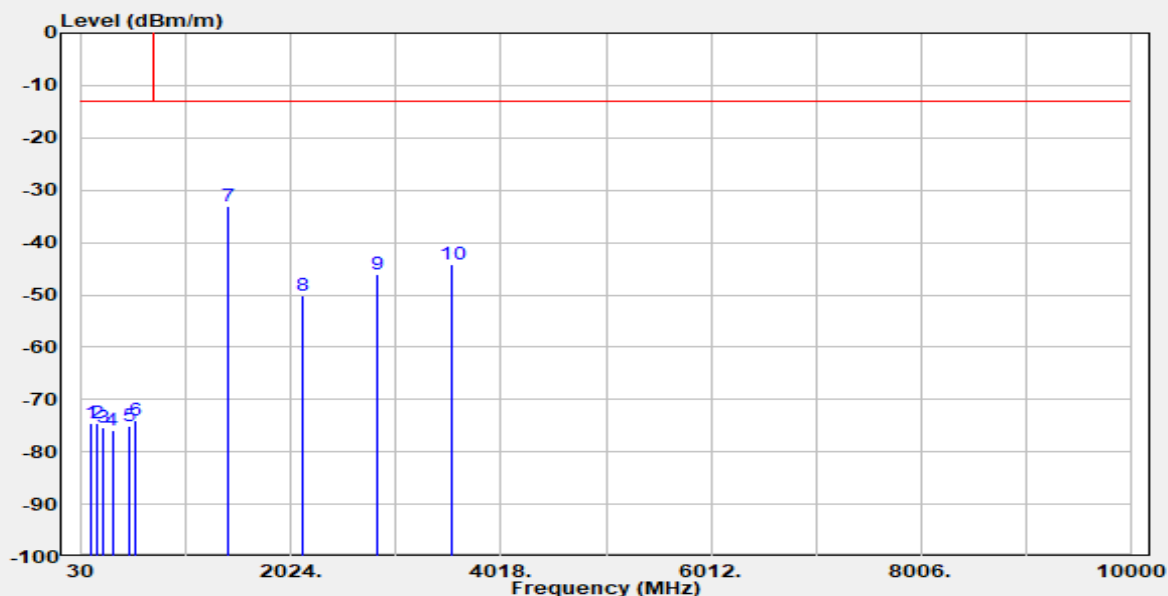
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
62.01	-72.38	-64.98	-6.63	-0.77	-13.00	-59.38
89.17	-69.44	-70.02	1.54	-0.97	-13.00	-56.44
140.58	-74.48	-73.69	0.52	-1.32	-13.00	-61.48
232.73	-71.56	-76.83	6.88	-1.60	-13.00	-58.56
318.09	-75.57	-80.16	6.31	-1.72	-13.00	-62.57
397.63	-74.09	-78.54	6.61	-2.16	-13.00	-61.09
1418.00	-33.09	-39.96	7.87	-3.99	-13.00	-20.09
2127.00	-50.40	-57.97	9.53	-4.97	-13.00	-37.40
2836.00	-50.54	-59.01	11.04	-5.58	-13.00	-37.54
3545.00	-48.15	-56.79	12.22	-6.58	-13.00	-35.15

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Report Number :TERF2207001187ER
 Operation Mode :LTE B17
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :709 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
123.12	-74.65	-74.20	0.71	-1.16	-13.00	-61.65
167.74	-74.39	-74.88	1.79	-1.30	-13.00	-61.39
224.97	-75.30	-81.32	7.57	-1.54	-13.00	-62.30
320.03	-75.86	-80.48	6.33	-1.71	-13.00	-62.86
487.84	-74.96	-79.14	6.53	-2.34	-13.00	-61.96
532.46	-74.11	-78.53	6.55	-2.13	-13.00	-61.11
1418.00	-33.17	-40.05	7.87	-3.99	-13.00	-20.17
2127.00	-50.27	-57.83	9.53	-4.97	-13.00	-37.27
2836.00	-46.15	-54.61	11.04	-5.58	-13.00	-33.15
3545.00	-44.09	-52.72	12.22	-6.58	-13.00	-31.09

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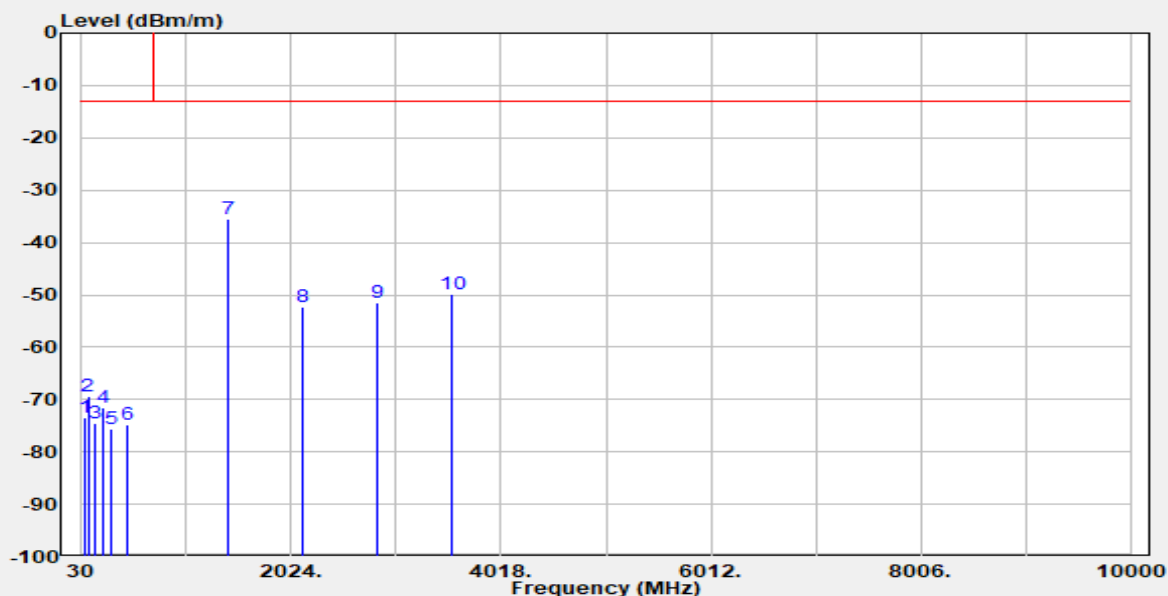
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Report Number :TERF2207001187ER
 Operation Mode :LTE B17
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :710 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-73.50	-66.11	-6.63	-0.77	-13.00	-60.50
90.14	-69.41	-70.15	1.72	-0.98	-13.00	-56.41
156.10	-74.61	-74.18	0.79	-1.23	-13.00	-61.61
232.73	-71.43	-76.71	6.88	-1.60	-13.00	-58.43
315.18	-75.52	-80.06	6.29	-1.75	-13.00	-62.52
469.41	-74.78	-78.79	6.35	-2.35	-13.00	-61.78
1420.00	-35.46	-42.35	7.88	-3.99	-13.00	-22.46
2130.00	-52.24	-59.77	9.50	-4.97	-13.00	-39.24
2840.00	-51.40	-59.88	11.06	-5.58	-13.00	-38.40
3550.00	-49.95	-58.56	12.20	-6.60	-13.00	-36.95

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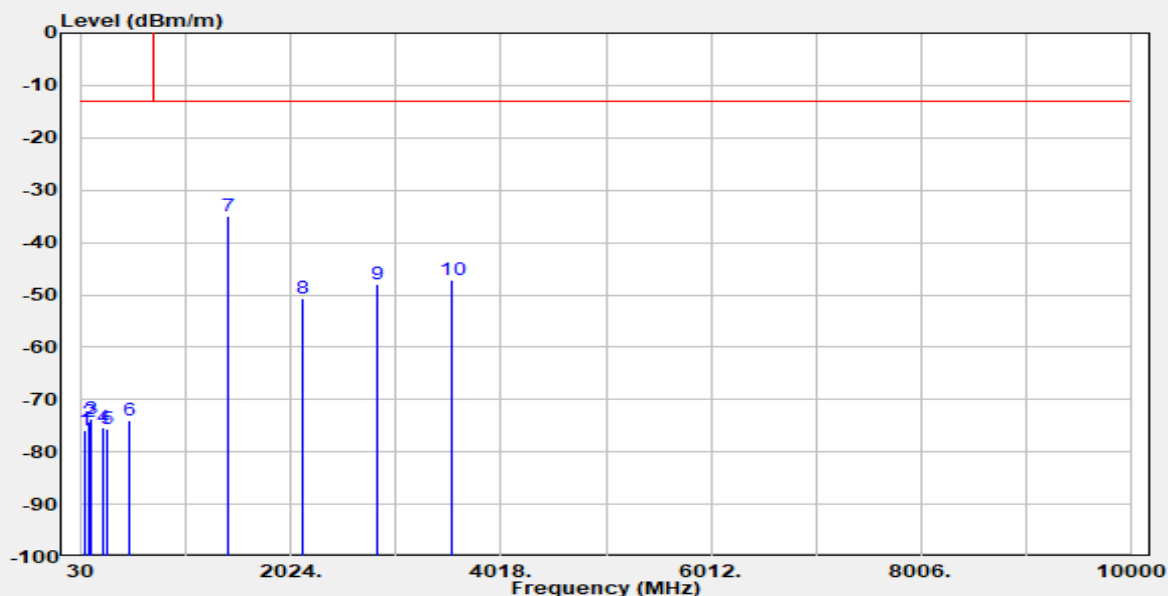
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Report Number :TERF2207001187ER
Operation Mode :LTE B17
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :710 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Horizontal
Engineer :Jack Liu



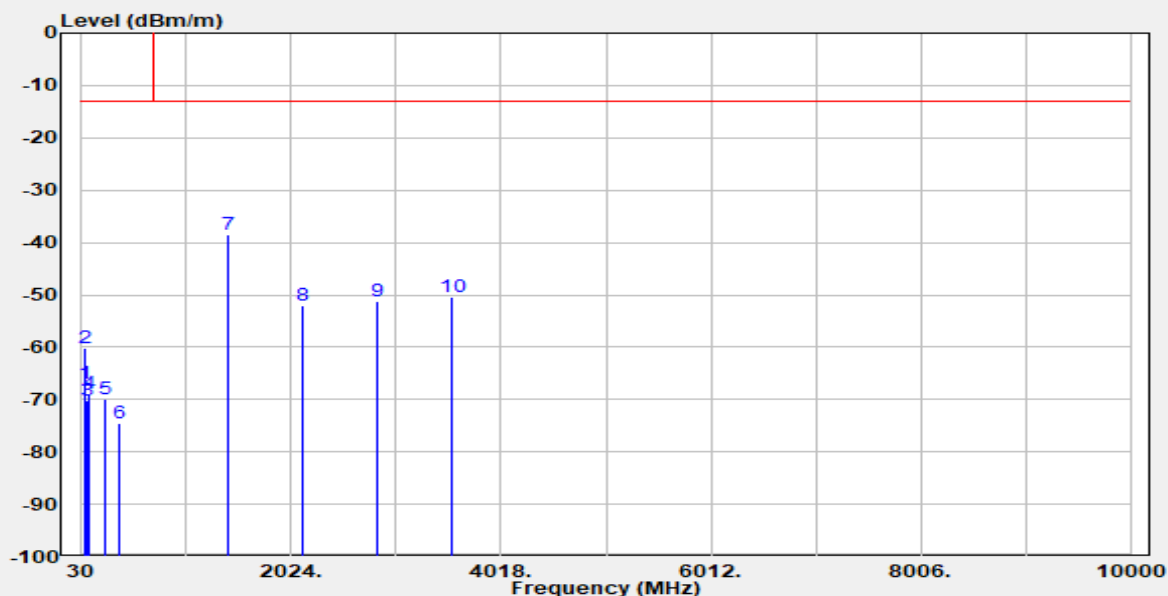
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
61.04	-75.95	-68.14	-7.05	-0.76	-13.00	-62.95
92.08	-74.12	-75.04	1.91	-0.99	-13.00	-61.12
123.12	-73.81	-73.36	0.71	-1.16	-13.00	-60.81
224.97	-75.32	-81.34	7.57	-1.54	-13.00	-62.32
262.80	-75.58	-80.40	6.50	-1.68	-13.00	-62.58
475.23	-74.07	-78.01	6.36	-2.42	-13.00	-61.07
1420.00	-34.88	-41.77	7.88	-3.99	-13.00	-21.88
2130.00	-50.67	-58.20	9.50	-4.97	-13.00	-37.67
2840.00	-47.95	-56.43	11.06	-5.58	-13.00	-34.95
3550.00	-47.18	-55.78	12.20	-6.60	-13.00	-34.18

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Report Number :TERF2207001187ER
 Operation Mode :LTE B17
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :711 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Vertical
 Engineer :Jack Liu



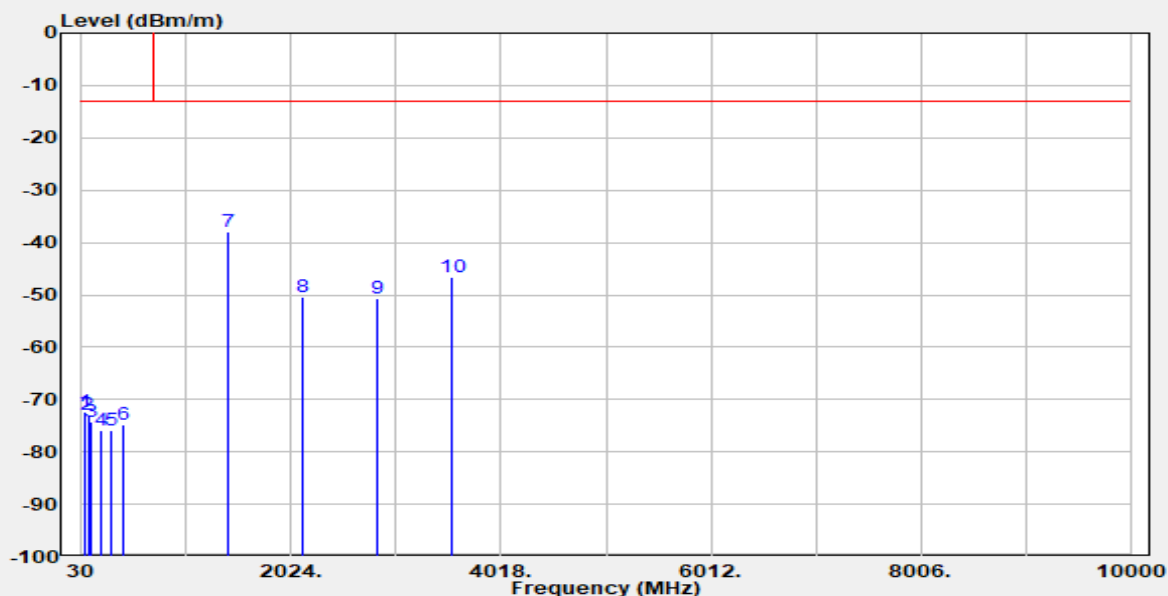
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-66.98	-58.96	-7.28	-0.74	-13.00	-53.98
64.92	-60.12	-53.18	-6.14	-0.80	-13.00	-47.12
89.17	-70.14	-70.72	1.54	-0.97	-13.00	-57.14
106.63	-68.92	-68.92	1.05	-1.05	-13.00	-55.92
248.25	-69.80	-74.60	6.46	-1.65	-13.00	-56.80
385.02	-74.50	-79.08	6.63	-2.06	-13.00	-61.50
1422.00	-38.42	-45.32	7.89	-4.00	-13.00	-25.42
2133.00	-52.00	-59.49	9.47	-4.98	-13.00	-39.00
2844.00	-51.22	-59.65	11.08	-5.65	-13.00	-38.22
3555.00	-50.45	-59.04	12.21	-6.61	-13.00	-37.45

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Report Number :TERF2207001187ER
 Operation Mode :LTE B17
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :711 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
62.01	-72.43	-65.03	-6.63	-0.77	-13.00	-59.43
90.14	-72.78	-73.52	1.72	-0.98	-13.00	-59.78
123.12	-74.36	-73.91	0.71	-1.16	-13.00	-61.36
218.18	-75.89	-81.56	7.16	-1.50	-13.00	-62.89
315.18	-75.95	-80.49	6.29	-1.75	-13.00	-62.95
422.85	-74.81	-79.38	6.59	-2.02	-13.00	-61.81
1422.00	-37.93	-44.82	7.89	-4.00	-13.00	-24.93
2133.00	-50.39	-57.88	9.47	-4.98	-13.00	-37.39
2844.00	-50.67	-59.10	11.08	-5.65	-13.00	-37.67
3555.00	-46.70	-55.30	12.21	-6.61	-13.00	-33.70

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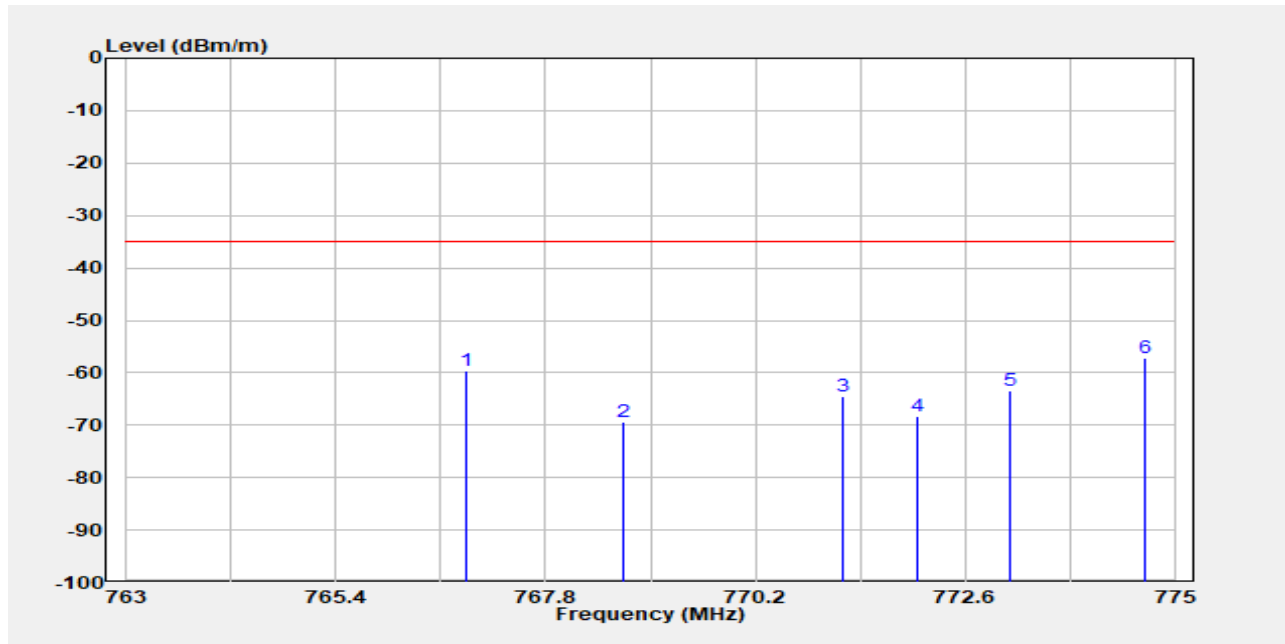
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Report Number :TERF2207001187ER
Operation Mode :LTE B13
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
766.89	-59.74	-62.80	5.98	-2.92	-35.00	-24.74
768.70	-69.27	-72.25	5.96	-2.99	-35.00	-34.27
771.21	-64.48	-67.41	5.97	-3.03	-35.00	-29.48
772.06	-68.27	-71.22	5.98	-3.04	-35.00	-33.27
773.13	-63.52	-66.47	5.99	-3.04	-35.00	-28.52
774.66	-57.30	-60.26	6.01	-3.04	-35.00	-22.30

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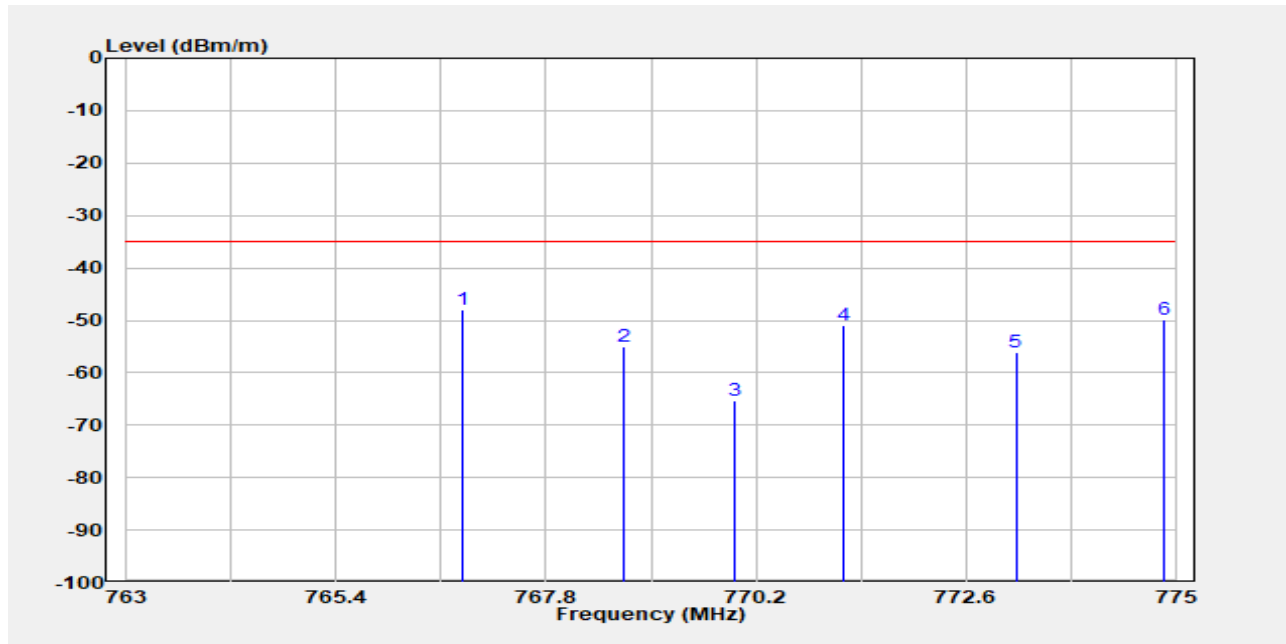
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Report Number :TERF2207001187ER
 Operation Mode :LTE B13
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :782 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



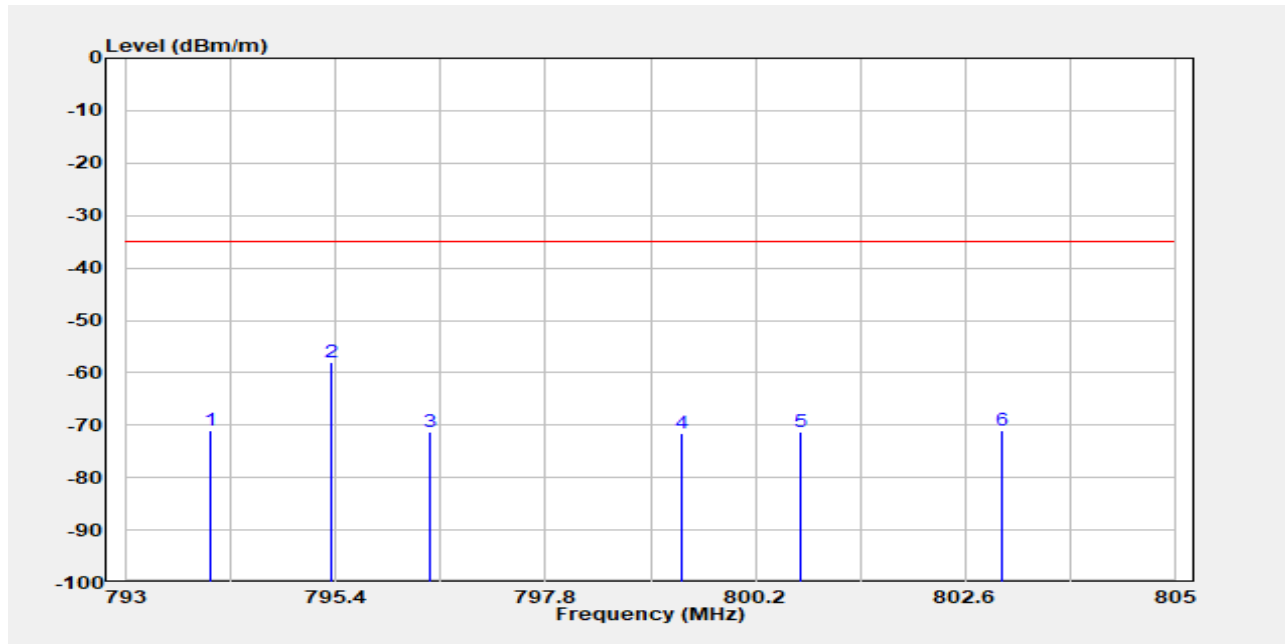
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
766.84	-48.07	-51.14	5.98	-2.92	-35.00	-13.07
768.70	-55.04	-58.02	5.96	-2.99	-35.00	-20.04
769.95	-65.44	-68.36	5.95	-3.03	-35.00	-30.44
771.20	-50.86	-53.79	5.97	-3.03	-35.00	-15.86
773.18	-56.04	-58.99	5.99	-3.04	-35.00	-21.04
774.88	-49.90	-52.87	6.01	-3.04	-35.00	-14.90

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Report Number :TERF2207001187ER
Operation Mode :LTE B13
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :782 MHz

Test Site :SAC 1
Test Date :2022-09-08
Temp./Humi. :24.5/67
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.96	-71.05	-73.95	6.12	-3.22	-35.00	-36.05
795.35	-57.91	-60.80	6.13	-3.24	-35.00	-22.91
796.47	-71.35	-74.23	6.15	-3.26	-35.00	-36.35
799.36	-71.42	-74.29	6.18	-3.31	-35.00	-36.42
800.73	-71.24	-74.13	6.19	-3.31	-35.00	-36.24
803.02	-70.99	-73.93	6.22	-3.27	-35.00	-35.99

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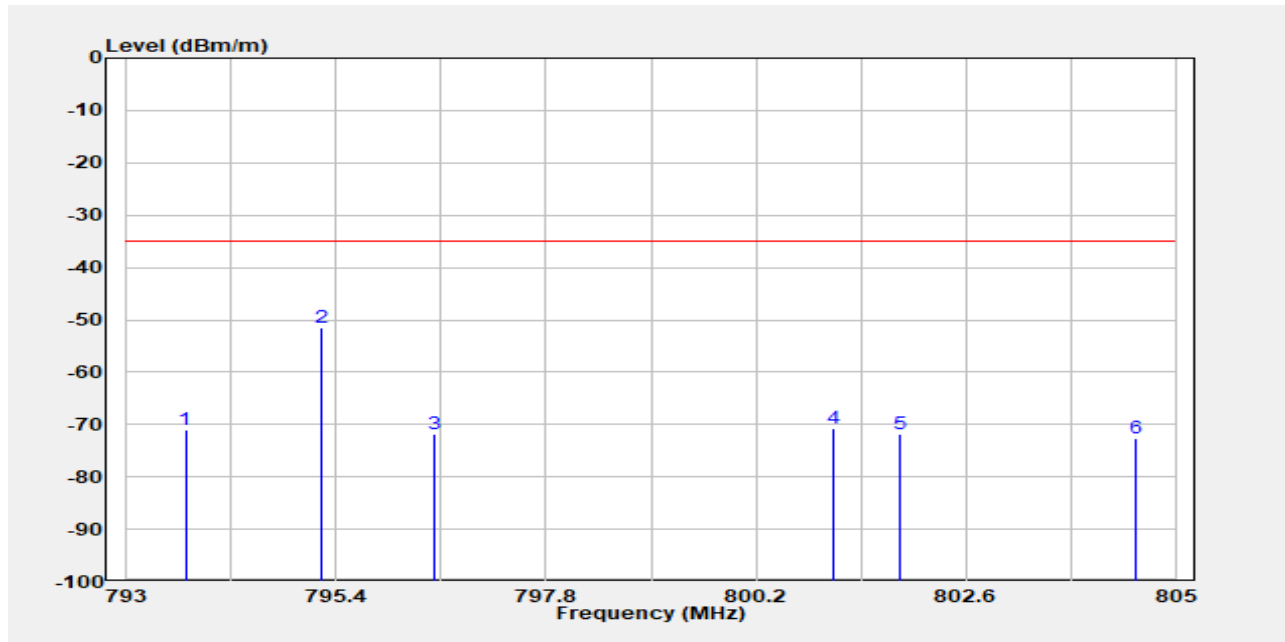
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 Operation Mode :LTE B13
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :782 MHz

Test Site :SAC 1
 Test Date :2022-09-08
 Temp./Humi. :24.5/67
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
793.67	-70.91	-73.81	6.12	-3.22	-35.00	-35.91
795.22	-51.61	-54.50	6.13	-3.24	-35.00	-16.61
796.53	-71.89	-74.77	6.15	-3.26	-35.00	-36.89
801.09	-70.86	-73.75	6.20	-3.30	-35.00	-35.86
801.84	-71.78	-74.70	6.21	-3.29	-35.00	-36.78
804.56	-72.71	-75.69	6.23	-3.25	-35.00	-37.71

~ End of Report ~

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