

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: TERF2207001186ER

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 & 27 C and ISSED RSS-Gen, 132, 133, 139.

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
TERF2207001186ER	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

1.2 Operation Frequency Range

Operating Frequency (MHz)		
WCDMA / HSPA+ Band II	1852.4	- 1907.6
WCDMA / HSPA+ Band IV	1712.4	- 1752.6
WCDMA / HSPA+ Band V	826.4	- 846.6

1.3 Antenna Designation

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

Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
		Ant0
WCDMA / HSPA+ Band II	1852.4 - 1907.6	2.088
WCDMA / HSPA+ Band IV	1712.4 - 1752.6	3.131
WCDMA / HSPA+ Band V	826.4 - 846.6	-0.541

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

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

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB941225 D01 SAR test for 3G devices v03r01 (SAR Measurement Procedures for 3G Devices, WCDMA / HSPA) was used for EUT and Base station setting.

KDB412172 D01 Determining ERP and EIRP v01r01

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

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 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.				

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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

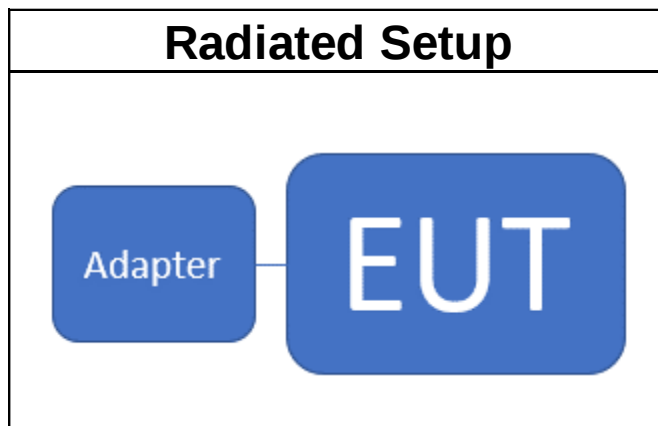
2.3.1 Radiated Emissions (ERP/EIRP)

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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3 TEST CONFIGURATION



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

3.1 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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4 SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§2.1053 §22.917(a) §24.238(a) §27.53(h)	RSS-GEN §6.13 RSS-132 §5.5 RSS-133 §6.5 RSS-139 §6.6	Field Strength of Spurious Radiation	Compliant

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5 DESCRIPTION OF TEST MODES

5.1 The Worst Test Modes and Channel Details

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.

5.2 Measurement Configuration

E-UTRA Band	Test Channel	Modulation
2	Low, Mid, High	WCDMA
4	Low, Mid, High	WCDMA
5	Low, Mid, High	WCDMA

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6 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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7 MEASUREMENT EQUIPMENT USED

7.1 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	MT8815B	6200711454	04/12/2022	04/11/2023
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 800-1000	Micro-Tronics	EWT	M1	12/14/2021	12/13/2022
Bandreject Filter 1700-2000	Micro-Tronics	EWT	M3	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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8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

8.1 Standard Applicable

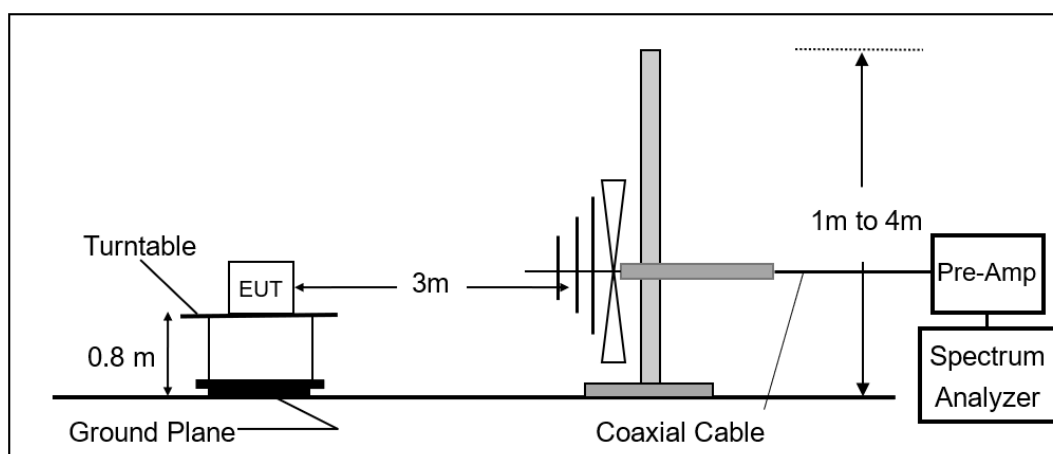
According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h) and RSS-132 §5.5, RSS-133 §6.5.1, RSS-139 §6.6

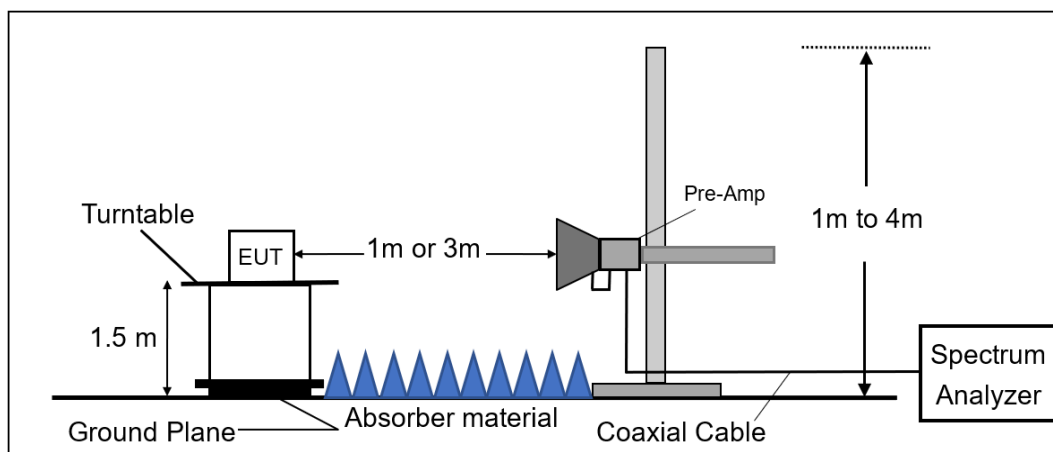
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

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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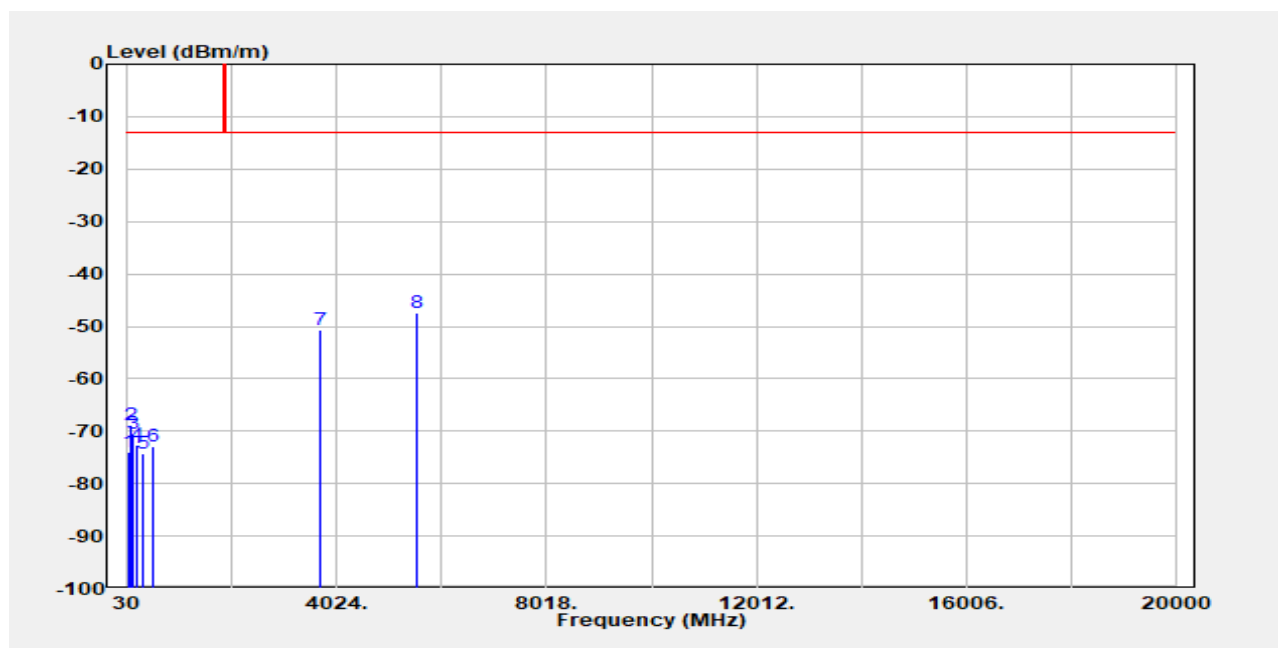
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8.4 Measurement Result:

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1852.4 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
60.07	-73.93	-65.79	-7.39	-0.75	-13.00	-60.93
100.81	-68.80	-69.41	1.63	-1.03	-13.00	-55.80
115.36	-70.50	-70.22	0.83	-1.11	-13.00	-57.50
203.63	-72.74	-77.89	6.63	-1.48	-13.00	-59.74
310.33	-74.36	-78.91	6.35	-1.80	-13.00	-61.36
527.61	-72.86	-77.26	6.52	-2.12	-13.00	-59.86
3704.80	-50.60	-58.78	12.59	-6.41	-13.00	-37.60
5557.20	-47.41	-54.17	13.00	-8.24	-13.00	-34.41

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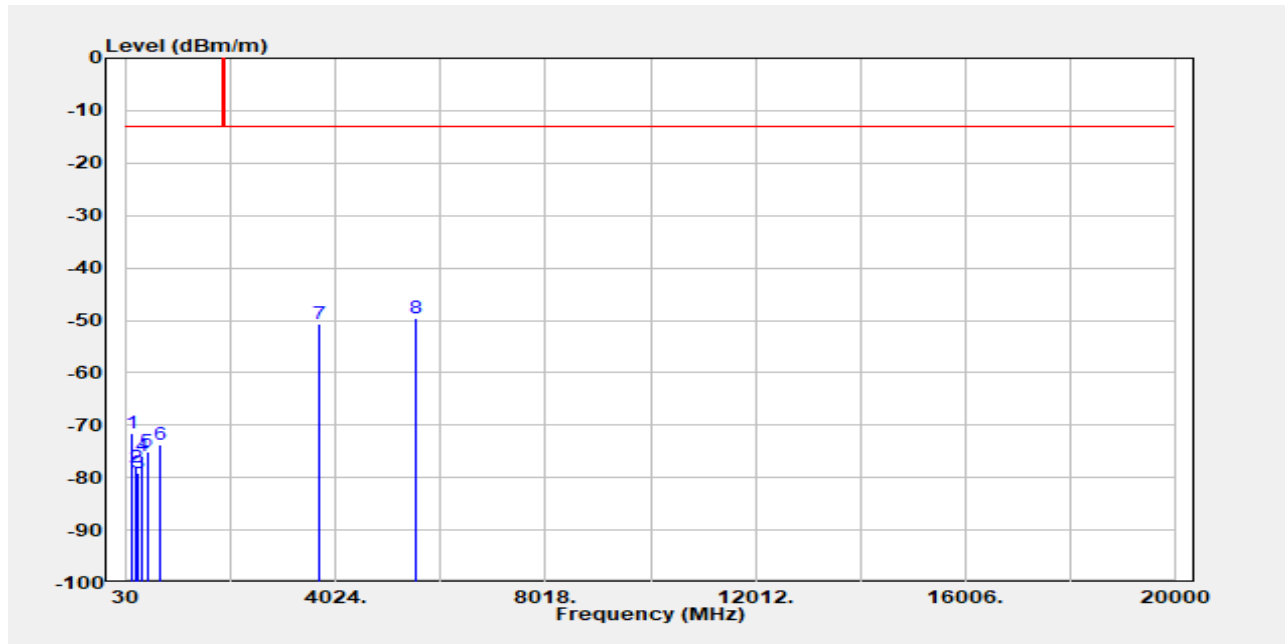
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Report Number :TERF2207001186ER
 Operation Mode :WCDMA B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1852.4 MHz

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
115.36	-71.42	-71.14	0.83	-1.11	-13.00	-58.42
204.60	-78.13	-83.30	6.65	-1.48	-13.00	-65.13
256.98	-79.08	-83.89	6.48	-1.68	-13.00	-66.08
312.27	-75.87	-80.41	6.32	-1.78	-13.00	-62.87
418.97	-75.11	-79.73	6.61	-2.00	-13.00	-62.11
662.44	-73.77	-77.50	6.35	-2.62	-13.00	-60.77
3704.80	-50.81	-58.98	12.59	-6.41	-13.00	-37.81
5557.20	-49.59	-56.36	13.00	-8.24	-13.00	-36.59

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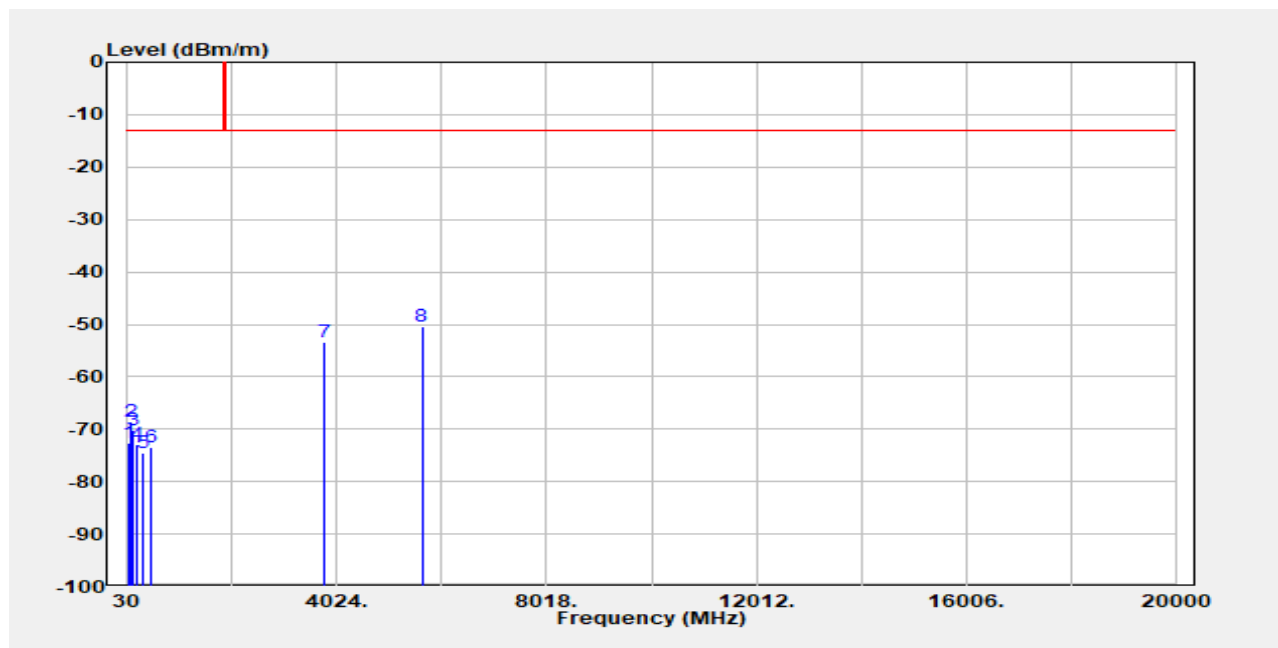
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Report Number :TERF2207001186ER
Operation Mode :WCDMA B2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1880 MHz

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
63.95	-72.53	-65.38	-6.36	-0.79	-13.00	-59.53
100.81	-68.53	-69.14	1.63	-1.03	-13.00	-55.53
115.36	-70.18	-69.90	0.83	-1.11	-13.00	-57.18
203.63	-72.77	-77.92	6.63	-1.48	-13.00	-59.77
314.21	-74.39	-78.93	6.30	-1.76	-13.00	-61.39
472.32	-73.39	-77.38	6.36	-2.38	-13.00	-60.39
3760.00	-53.51	-61.24	12.50	-6.77	-13.00	-40.51
5640.00	-50.34	-56.94	13.08	-8.48	-13.00	-37.34

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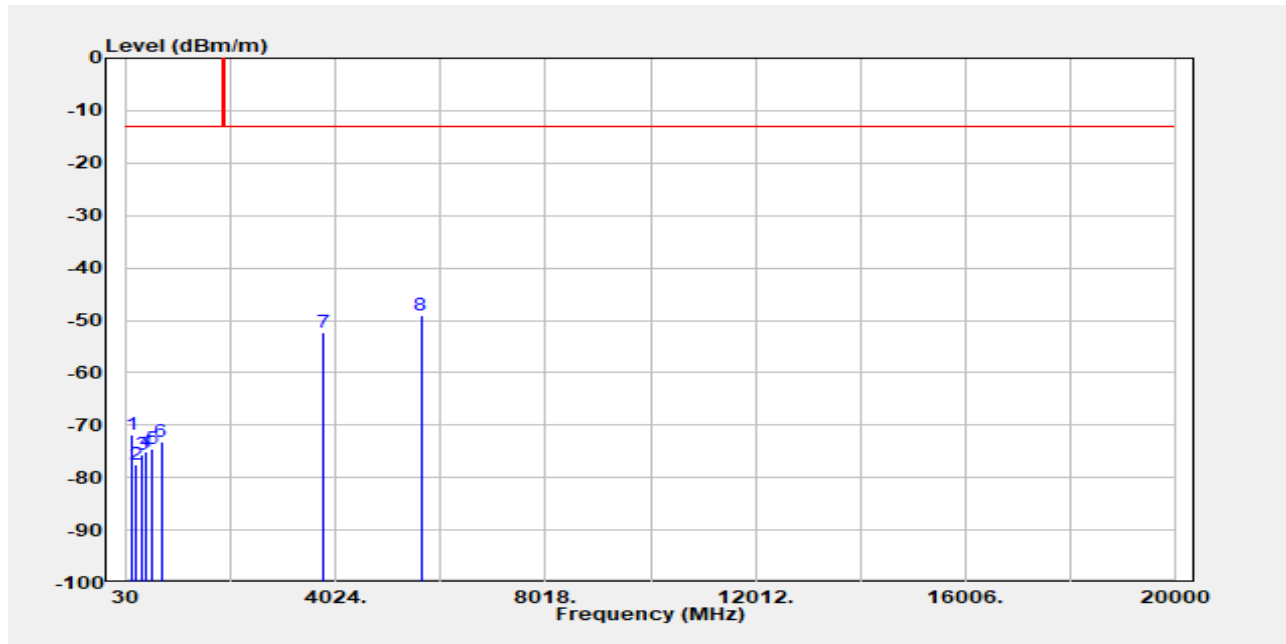
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Report Number :TERF2207001186ER
 Operation Mode :WCDMA B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1880 MHz

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
119.24	-71.68	-71.20	0.65	-1.14	-13.00	-58.68
201.69	-77.55	-82.66	6.58	-1.47	-13.00	-64.55
309.36	-75.54	-80.08	6.35	-1.81	-13.00	-62.54
389.87	-75.18	-79.75	6.64	-2.08	-13.00	-62.18
520.82	-74.58	-78.76	6.46	-2.28	-13.00	-61.58
686.69	-73.21	-76.47	6.32	-3.07	-13.00	-60.21
3760.00	-52.43	-60.16	12.50	-6.77	-13.00	-39.43
5640.00	-48.99	-55.59	13.08	-8.48	-13.00	-35.99

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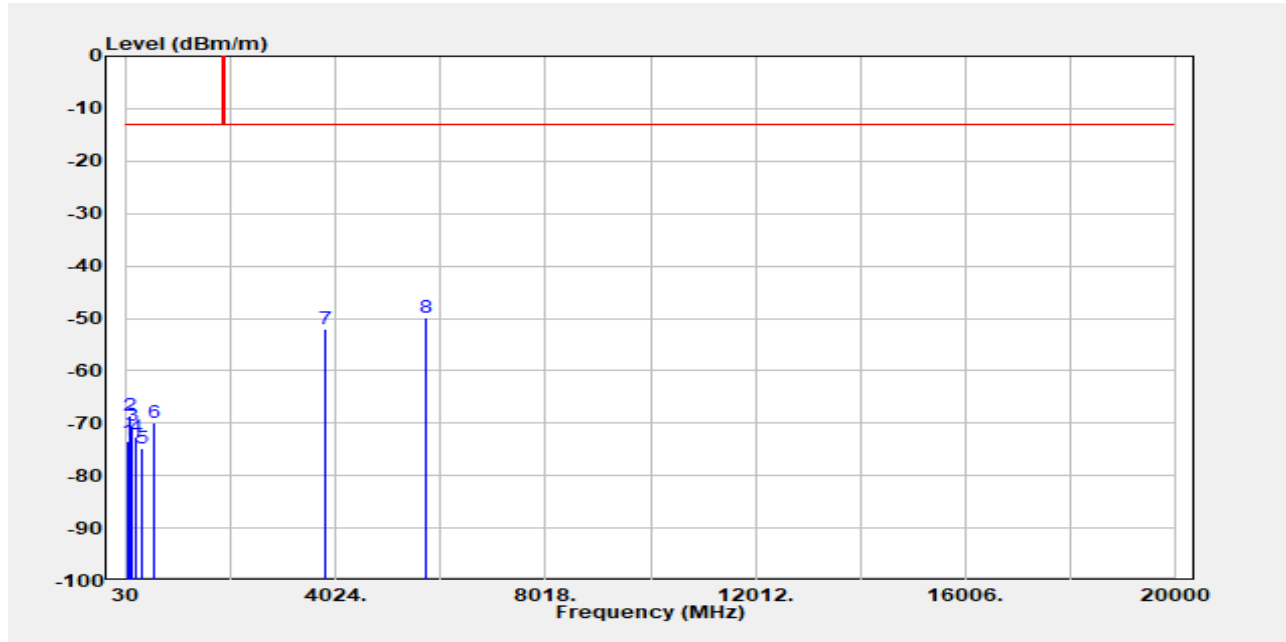
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Report Number :TERF2207001186ER
 Operation Mode :WCDMA B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1907.6 MHz

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	-73.47	-66.32	-6.36	-0.79	-13.00	-60.47
100.81	-68.43	-69.03	1.63	-1.03	-13.00	-55.43
116.33	-70.53	-70.19	0.77	-1.12	-13.00	-57.53
203.63	-72.75	-77.90	6.63	-1.48	-13.00	-59.75
315.18	-74.87	-79.41	6.29	-1.75	-13.00	-61.87
568.35	-70.03	-73.86	6.52	-2.68	-13.00	-57.03
3815.20	-51.93	-59.82	12.44	-6.55	-13.00	-38.93
5722.80	-49.73	-56.14	13.01	-8.60	-13.00	-36.73

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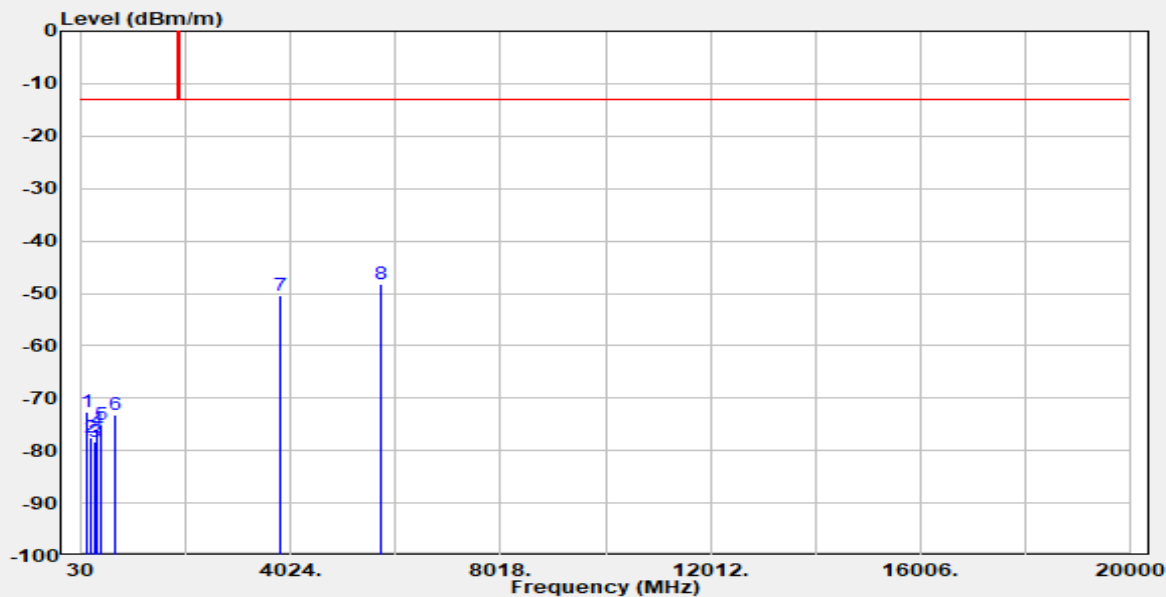
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Report Number :TERF2207001186ER
 Operation Mode :WCDMA B2
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1907.6 MHz

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



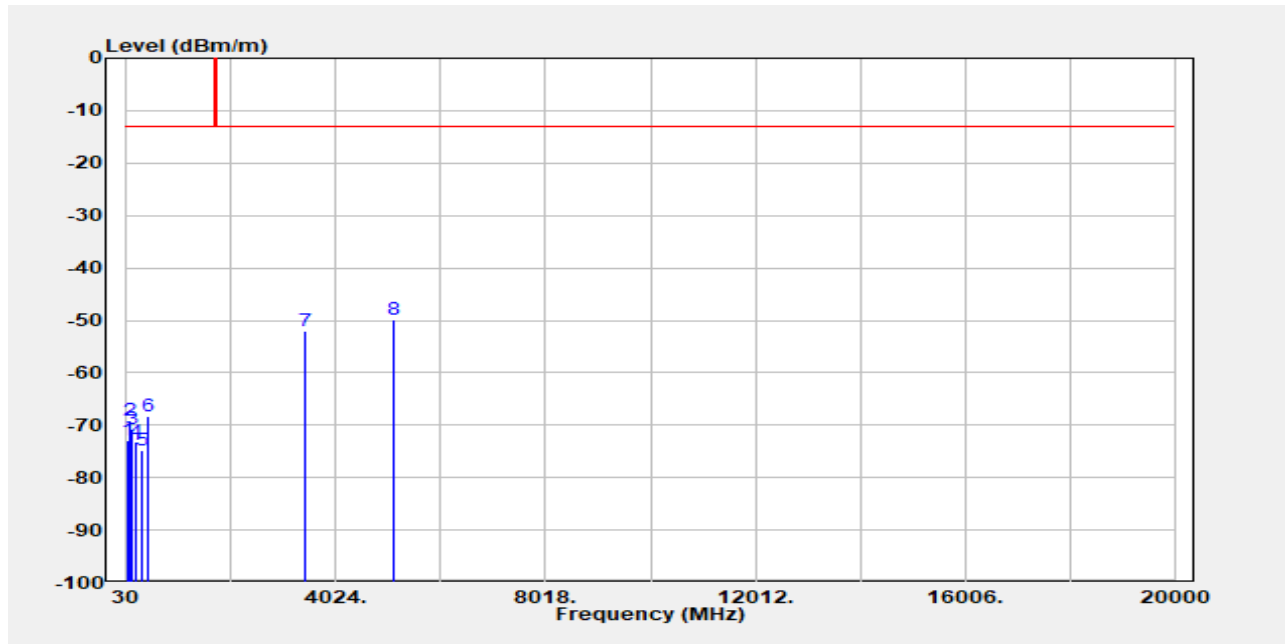
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
122.15	-72.70	-72.21	0.66	-1.15	-13.00	-59.70
202.66	-77.49	-82.62	6.61	-1.47	-13.00	-64.49
265.71	-78.29	-83.08	6.47	-1.68	-13.00	-65.29
312.27	-76.11	-80.66	6.32	-1.78	-13.00	-63.11
415.09	-74.95	-79.67	6.68	-1.96	-13.00	-61.95
659.53	-73.04	-76.99	6.39	-2.44	-13.00	-60.04
3815.20	-50.54	-58.43	12.44	-6.55	-13.00	-37.54
5722.80	-48.36	-54.76	13.01	-8.60	-13.00	-35.36

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Report Number :TERF2207001186ER
 Operation Mode :WCDMA B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1712.4 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	-72.92	-65.77	-6.36	-0.79	-13.00	-59.92
99.84	-69.00	-69.71	1.73	-1.02	-13.00	-56.00
117.30	-70.65	-70.24	0.71	-1.12	-13.00	-57.65
202.66	-73.14	-78.27	6.61	-1.47	-13.00	-60.14
314.21	-74.83	-79.37	6.30	-1.76	-13.00	-61.83
447.10	-68.31	-72.36	6.29	-2.24	-13.00	-55.31
3424.80	-52.11	-60.24	12.50	-6.38	-13.00	-39.11
5137.20	-49.85	-56.01	12.17	-8.01	-13.00	-36.85

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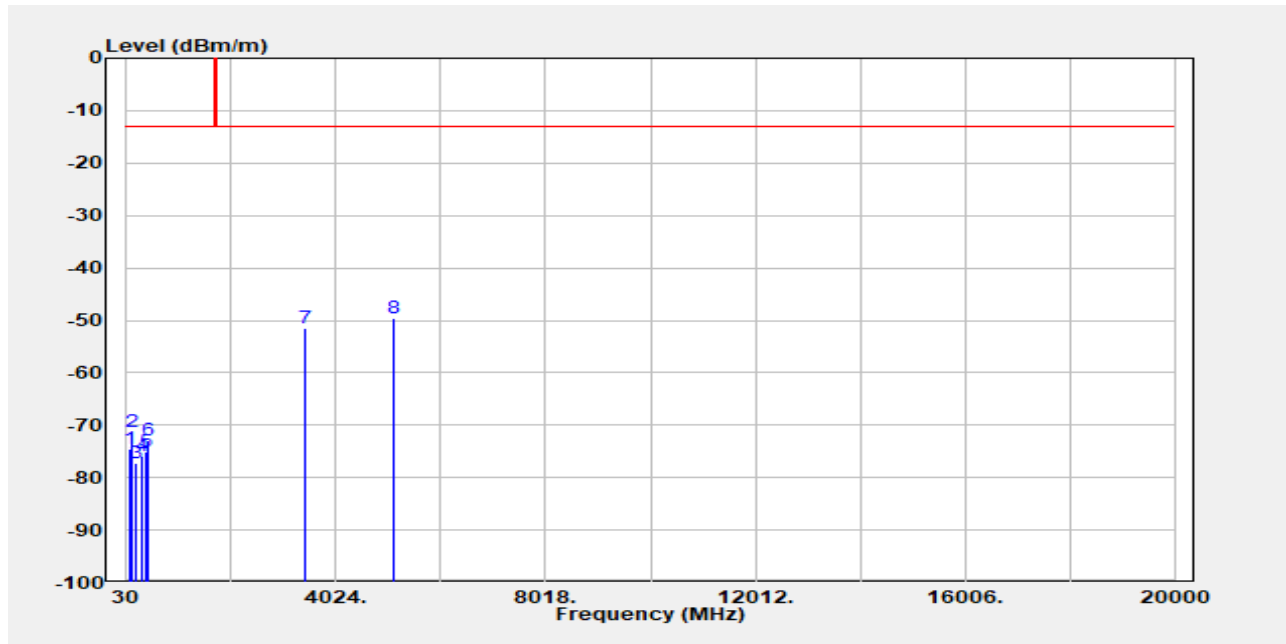
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Member of SGS Group

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1712.4 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	-74.63	-75.60	1.97	-1.01	-13.00	-61.63
122.15	-71.15	-70.66	0.66	-1.15	-13.00	-58.15
201.69	-77.35	-82.46	6.58	-1.47	-13.00	-64.35
314.21	-75.87	-80.40	6.30	-1.76	-13.00	-62.87
386.96	-75.17	-79.74	6.64	-2.07	-13.00	-62.17
447.10	-72.81	-76.86	6.29	-2.24	-13.00	-59.81
3424.80	-51.61	-59.73	12.50	-6.38	-13.00	-38.61
5137.20	-49.46	-55.62	12.17	-8.01	-13.00	-36.46

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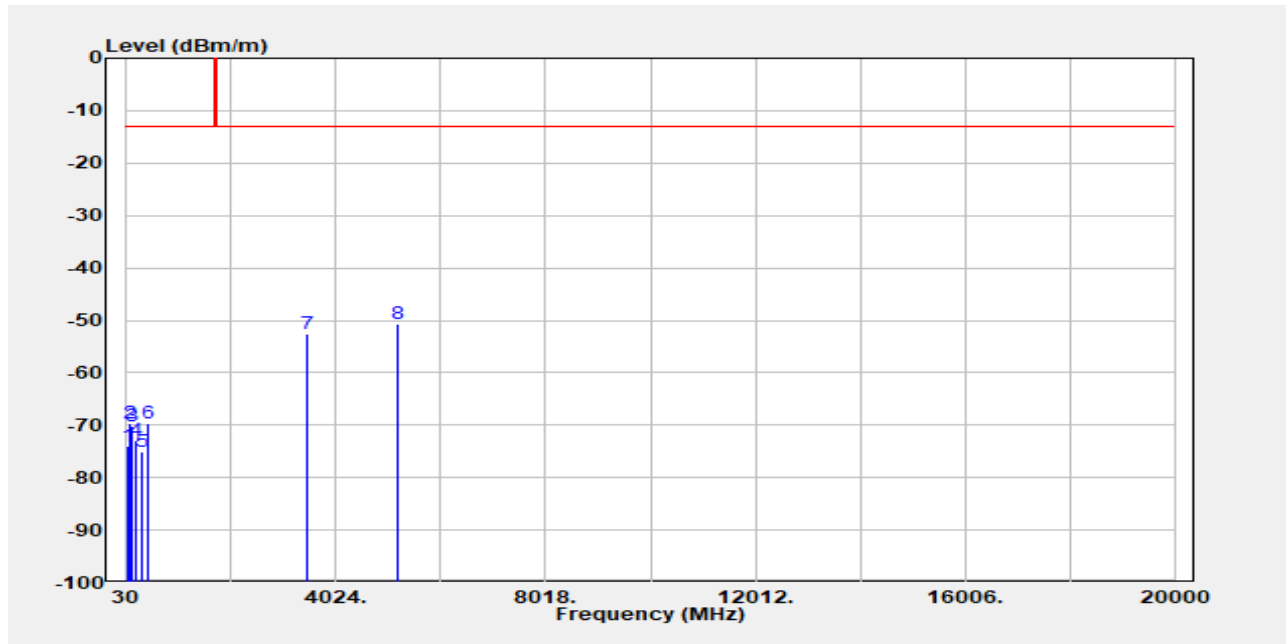
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1732.6 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	-73.95	-66.80	-6.36	-0.79	-13.00	-60.95
99.84	-69.60	-70.30	1.73	-1.02	-13.00	-56.60
117.30	-70.09	-69.67	0.71	-1.12	-13.00	-57.09
203.63	-72.92	-78.06	6.63	-1.48	-13.00	-59.92
314.21	-75.20	-79.73	6.30	-1.76	-13.00	-62.20
447.10	-69.53	-73.58	6.29	-2.24	-13.00	-56.53
3465.20	-52.62	-60.57	12.47	-6.51	-13.00	-39.62
5197.80	-50.69	-57.26	12.58	-8.01	-13.00	-37.69

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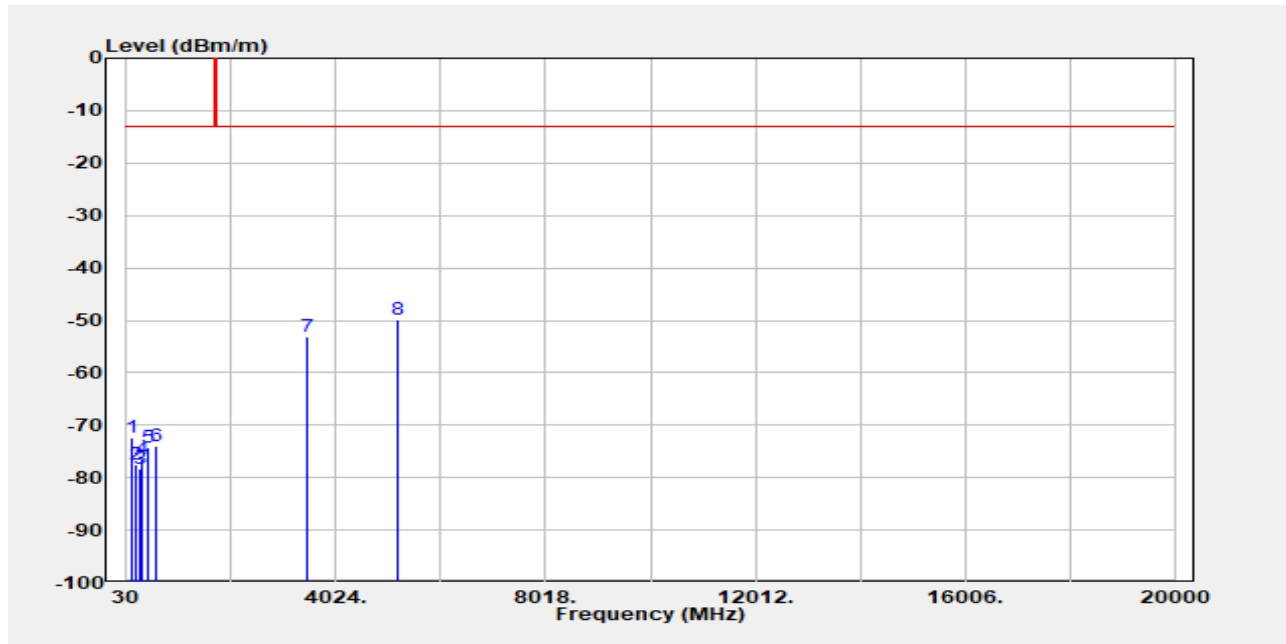
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Member of SGS Group

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1732.6 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
121.18	-72.46	-72.07	0.76	-1.15	-13.00	-59.46
202.66	-77.40	-82.53	6.61	-1.47	-13.00	-64.40
267.65	-78.23	-82.96	6.41	-1.68	-13.00	-65.23
309.36	-76.40	-80.93	6.35	-1.81	-13.00	-63.40
447.10	-74.15	-78.19	6.29	-2.24	-13.00	-61.15
586.78	-73.89	-77.34	6.26	-2.81	-13.00	-60.89
3465.20	-52.98	-60.94	12.47	-6.51	-13.00	-39.98
5197.80	-50.00	-56.57	12.58	-8.01	-13.00	-37.00

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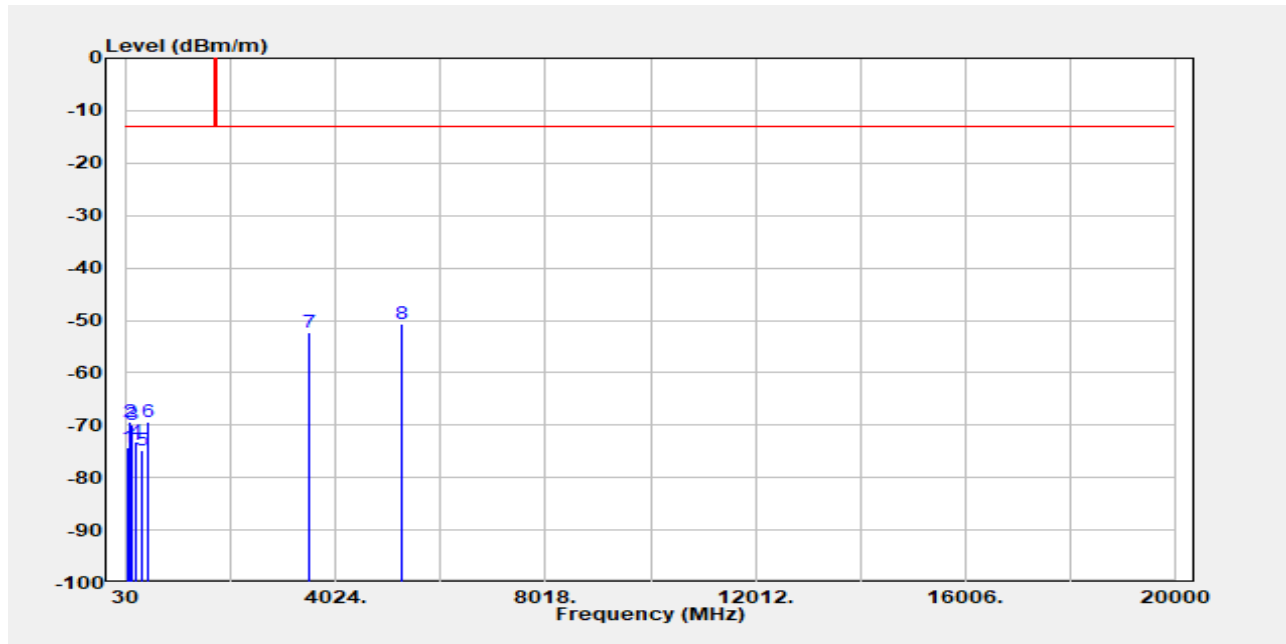
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Member of SGS Group

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1752.6 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
64.92	-74.26	-67.32	-6.14	-0.80	-13.00	-61.26
100.81	-69.39	-70.00	1.63	-1.03	-13.00	-56.39
119.24	-70.03	-69.54	0.65	-1.14	-13.00	-57.03
202.66	-73.05	-78.18	6.61	-1.47	-13.00	-60.05
311.30	-74.66	-79.21	6.33	-1.79	-13.00	-61.66
447.10	-69.31	-73.36	6.29	-2.24	-13.00	-56.31
3505.20	-52.32	-60.29	12.38	-6.41	-13.00	-39.32
5257.80	-50.57	-57.40	12.93	-8.11	-13.00	-37.57

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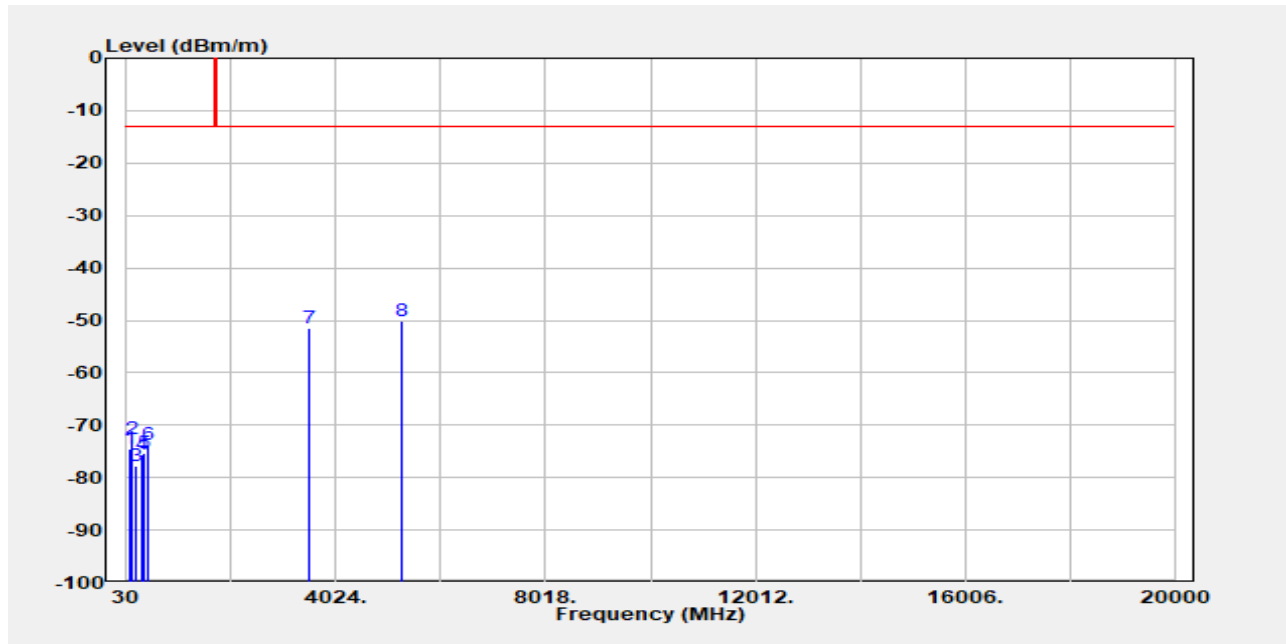
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Member of SGS Group

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B4
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :1752.6 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	-74.56	-75.32	1.77	-1.01	-13.00	-61.56
117.30	-72.52	-72.10	0.71	-1.12	-13.00	-59.52
202.66	-77.89	-83.02	6.61	-1.47	-13.00	-64.89
311.30	-75.52	-80.07	6.33	-1.79	-13.00	-62.52
353.98	-75.43	-80.08	6.72	-2.07	-13.00	-62.43
447.10	-73.76	-77.80	6.29	-2.24	-13.00	-60.76
3505.20	-51.45	-59.42	12.38	-6.41	-13.00	-38.45
5257.80	-50.20	-57.02	12.93	-8.11	-13.00	-37.20

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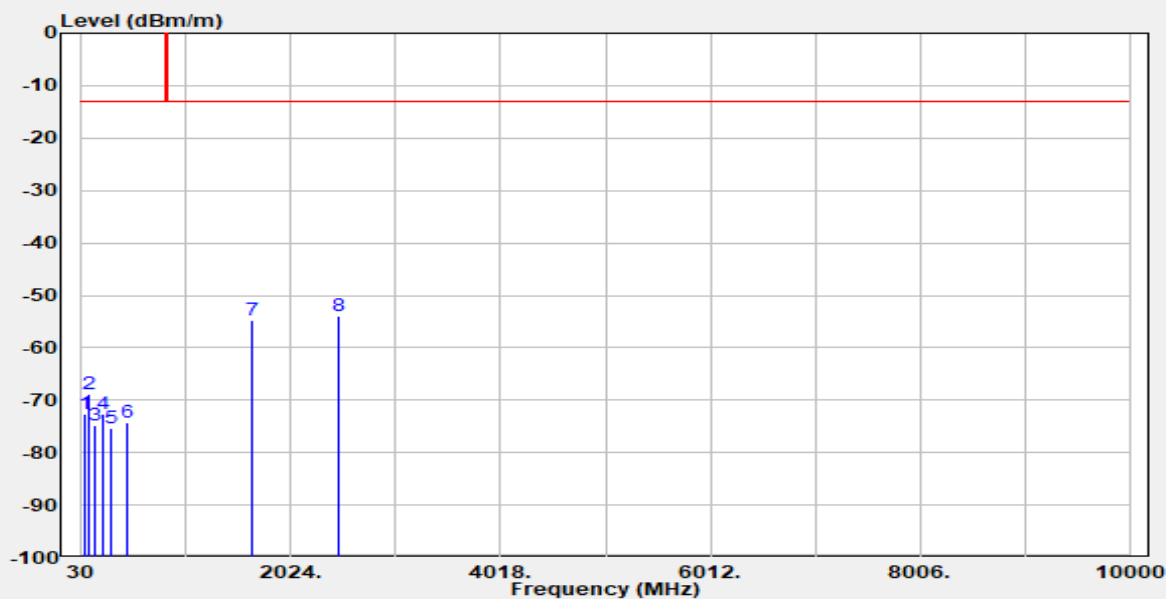
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Member of SGS Group

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B5
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :826.4 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	-72.53	-65.13	-6.63	-0.77	-13.00	-59.53
94.02	-68.79	-69.68	1.89	-1.00	-13.00	-55.79
163.86	-74.75	-74.78	1.31	-1.28	-13.00	-61.75
231.76	-72.60	-77.98	6.98	-1.60	-13.00	-59.60
314.21	-75.22	-79.75	6.30	-1.76	-13.00	-62.22
464.56	-74.29	-78.16	6.27	-2.41	-13.00	-61.29
1652.80	-54.86	-62.11	9.61	-4.36	-13.00	-41.86
2479.20	-53.94	-61.13	10.56	-5.37	-13.00	-40.94

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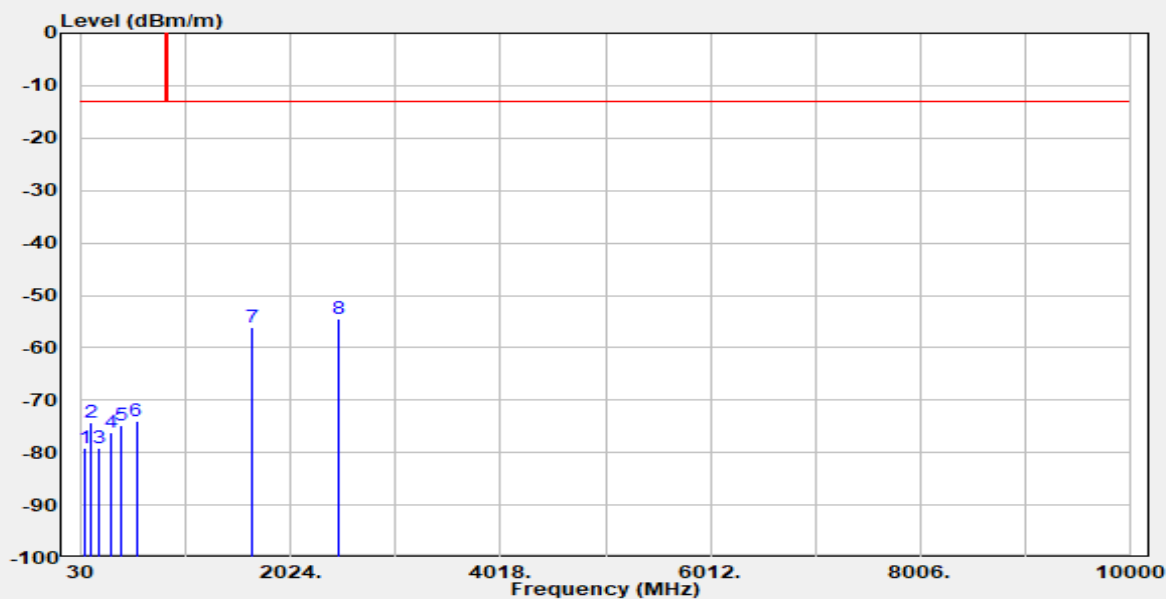
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Member of SGS Group

Report Number :TERF2207001186ER
 Operation Mode :WCDMA B5
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :826.4 MHz

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



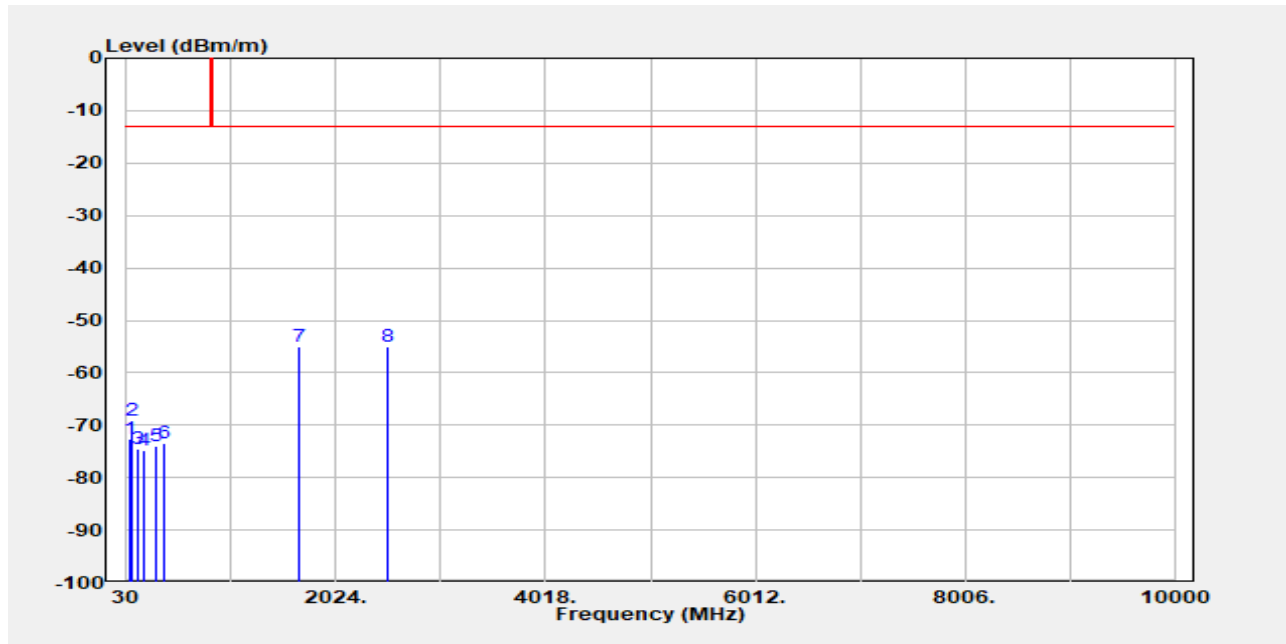
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-79.26	-71.45	-7.05	-0.76	-13.00	-66.26
120.21	-74.15	-73.73	0.72	-1.14	-13.00	-61.15
201.69	-79.24	-84.35	6.58	-1.47	-13.00	-66.24
312.27	-76.17	-80.71	6.32	-1.78	-13.00	-63.17
413.15	-74.83	-79.56	6.68	-1.95	-13.00	-61.83
549.92	-73.94	-78.15	6.63	-2.41	-13.00	-60.94
1652.80	-56.05	-63.30	9.61	-4.36	-13.00	-43.05
2479.20	-54.56	-61.75	10.56	-5.37	-13.00	-41.56

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Report Number :TERF2207001186ER
 Operation Mode :WCDMA B5
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :836.6 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	-72.75	-64.94	-7.05	-0.76	-13.00	-59.75
89.17	-69.08	-69.65	1.54	-0.97	-13.00	-56.08
137.67	-74.56	-73.80	0.53	-1.30	-13.00	-61.56
199.75	-74.86	-79.90	6.51	-1.46	-13.00	-61.86
318.09	-73.96	-78.55	6.31	-1.72	-13.00	-60.96
394.72	-73.39	-77.82	6.56	-2.13	-13.00	-60.39
1673.20	-55.06	-62.36	9.69	-4.40	-13.00	-42.06
2509.80	-54.99	-62.22	10.64	-5.41	-13.00	-41.99

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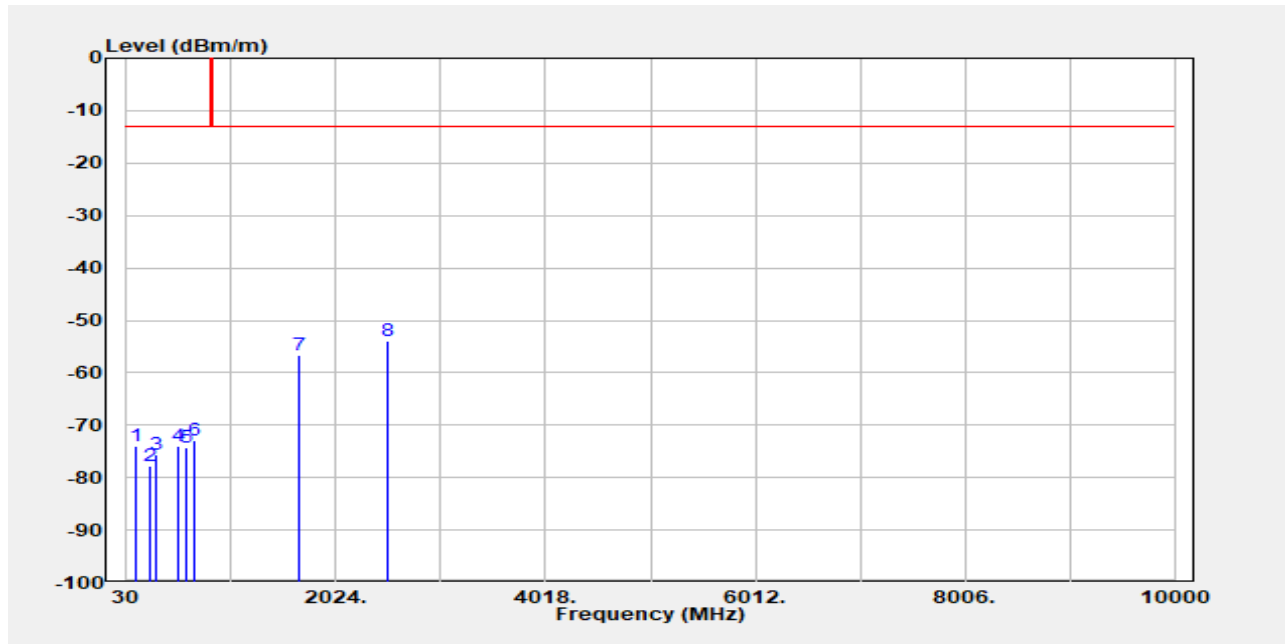
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Member of SGS Group

Report Number :TERF2207001186ER
Operation Mode :WCDMA B5
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :836.6 MHz

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



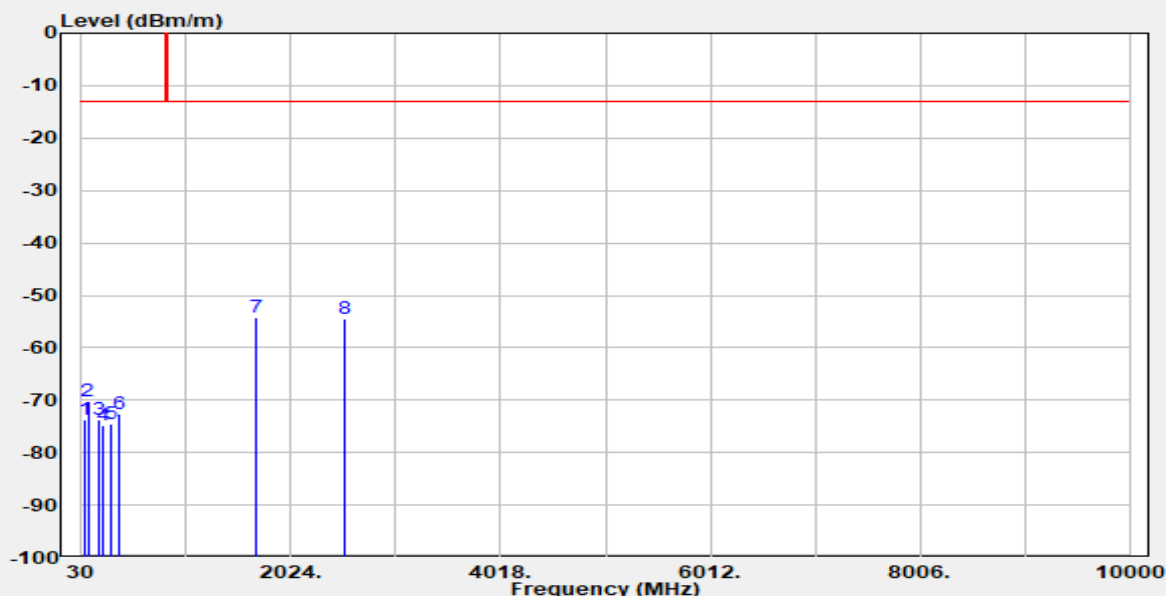
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
113.42	-73.98	-73.78	0.89	-1.09	-13.00	-60.98
259.89	-77.79	-82.63	6.52	-1.68	-13.00	-64.79
316.15	-75.60	-80.15	6.30	-1.74	-13.00	-62.60
521.79	-73.96	-78.18	6.47	-2.26	-13.00	-60.96
592.60	-74.30	-77.76	6.23	-2.77	-13.00	-61.30
673.11	-72.98	-76.20	6.32	-3.11	-13.00	-59.98
1673.20	-56.70	-64.00	9.69	-4.40	-13.00	-43.70
2509.80	-54.00	-61.23	10.64	-5.41	-13.00	-41.00

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Report Number :TERF2207001186ER
Operation Mode :WCDMA B5
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :846.6 MHz

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



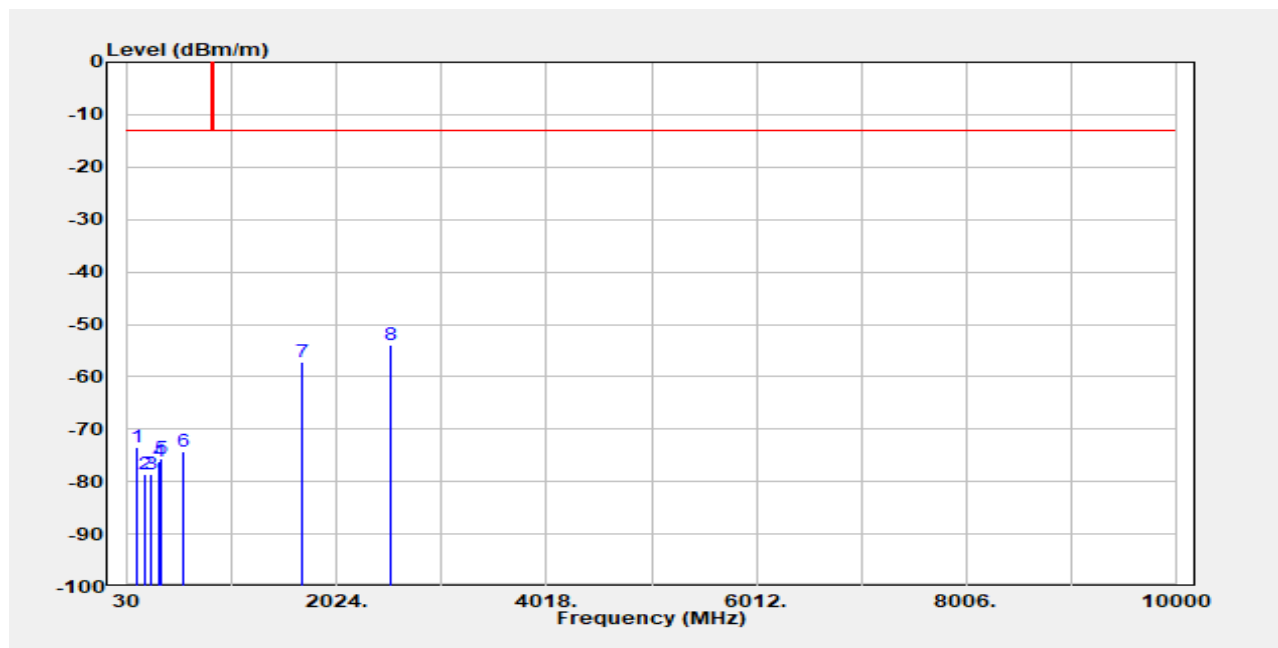
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
61.04	-73.78	-65.97	-7.05	-0.76	-13.00	-60.78
90.14	-70.16	-70.90	1.72	-0.98	-13.00	-57.16
202.66	-73.76	-78.89	6.61	-1.47	-13.00	-60.76
233.70	-74.77	-79.94	6.78	-1.61	-13.00	-61.77
315.18	-74.60	-79.14	6.29	-1.75	-13.00	-61.60
394.72	-72.52	-76.95	6.56	-2.13	-13.00	-59.52
1693.20	-54.11	-61.46	9.77	-4.42	-13.00	-41.11
2539.80	-54.50	-61.85	10.76	-5.41	-13.00	-41.50

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Report Number :TERF2207001186ER
 Operation Mode :WCDMA B5
 Test Mode :Tx
 EUT Pol :E1 Plane
 Test Frequency :846.6 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	-73.48	-73.03	0.71	-1.16	-13.00	-60.48
203.63	-78.62	-83.76	6.63	-1.48	-13.00	-65.62
259.89	-78.53	-83.37	6.52	-1.68	-13.00	-65.53
321.00	-76.08	-80.67	6.31	-1.73	-13.00	-63.08
353.98	-75.70	-80.36	6.72	-2.07	-13.00	-62.70
557.68	-74.31	-78.27	6.60	-2.63	-13.00	-61.31
1693.20	-57.05	-64.40	9.77	-4.42	-13.00	-44.05
2539.80	-54.01	-61.37	10.76	-5.41	-13.00	-41.01

~ End of Report ~

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